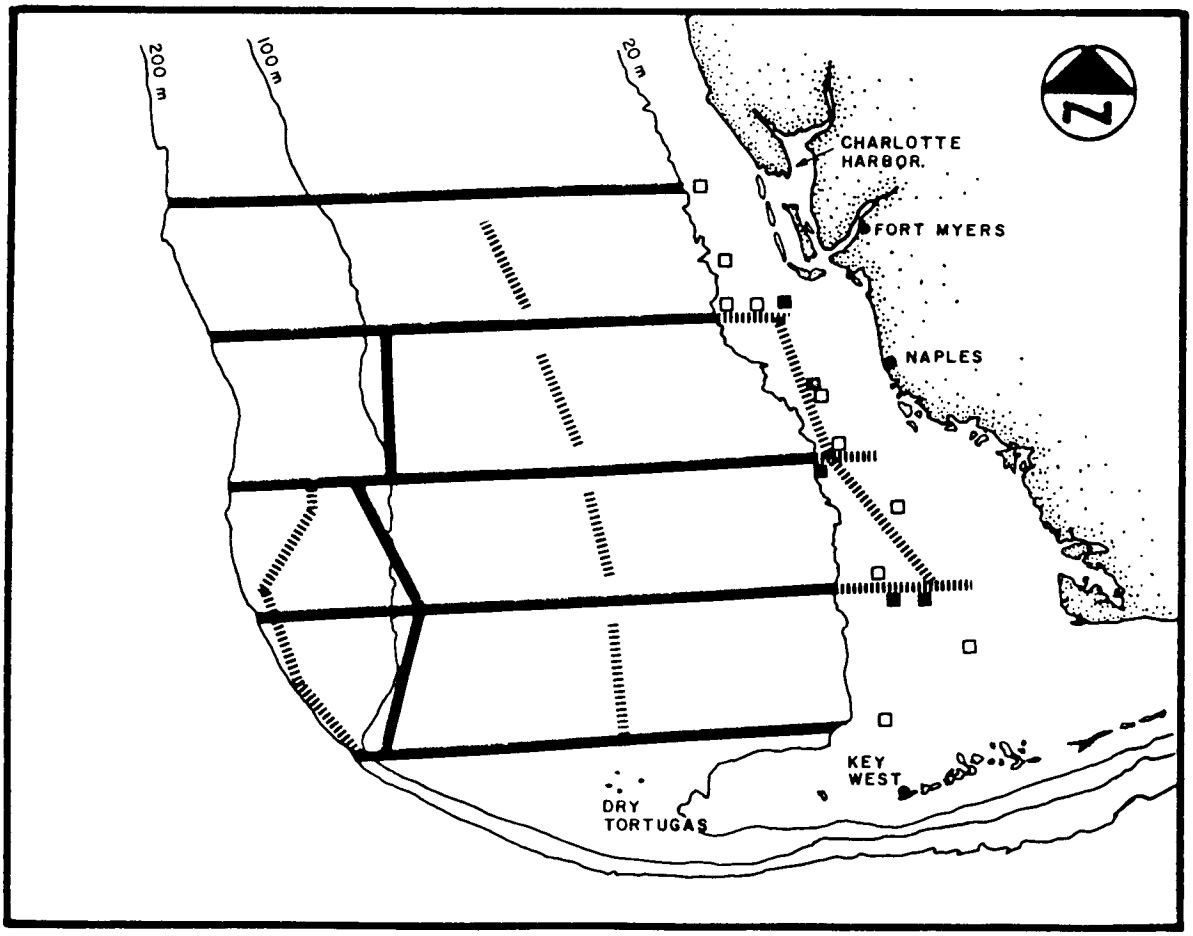
OCS Study
MMS 86-0110

Southwest Florida Shelf Regional Biological Communities Survey: Year 3 Final Report

Volume III
Appendices



MMS
U.S. Department of the Interior
Minerals Management Service
Gulf of Mexico OCS Region

OCS STUDY MMS 86-0110

SOUTHWEST FLORIDA SHELF REGIONAL BIOLOGICAL COMMUNITIES SURVEY

YEAR 3 FINAL REPORT
VOLUME III -- APPENDICES

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TABLE A.1. CRUISE I SURFACE SALINITY AND TEMPERATURE DATA.

Location	Latitude (N)	Longitude (W)	Sampling Date	Collection Time	Salinity (°/••)	Temperature (°C)
In Transit to						
Transect B	27°15.08'	82°39.60'	10-15-82	1030	33.700	27.45
	27°09.91'	82°37.06'	10-15-82	1108	33.823	27.50
	28°29.37'	81°22.03'	10-15-82	1148	33.980	27.70
	26°59.81'	82°32.14'	10-15-82	1221	33.741	28.00
	26°54.88'	82°29.60'	10-15-82	1256	33.645	28.05
	26°49.79'	82°27.14'	10-15-82	1332	33.311	27.95
	26°44.47'	82°24.59'	10-15-82	1410	33.907	27.90
	26°39.31'	82°21.99'	10-15-82	1448	33.200	28.05
	26°34.16'	82°19.58'	10-15-82	1525	32.542	28.10
	26°29.35'	82°16.99'	10-15-82	1603	33.798	28.10
	26°24.44'	82°14.26'	10-15-82	1640	33.655	28.00
	26°19.55'	82°12.09'	10-15-82	1718	35.577	28.00
Transect B	26°17.65'	82°13.08'	10-16-82	0125	35.690	27.60
	26°17.53'	82°15.35'	10-16-82	0228	35.635	27.40
	26°17.25'	82°18.07'	10-16-82	0332	34.948	27.60
	26°17.24'	82°20.32'	10-16-82	0436	35.764	27.55
	26°17.48'	82°23.40'	10-16-82	0523	34.702	26.85
	26°17.00'	82°25.69'	10-16-82	0632	35.884	27.65
In Transit to	26°11.59'	82°24.65'	10-16-82	0938	36.303	27.95
Transect C	26°07.07'	82°21.47'	10-16-82	1012	36.210	27.88
	26°02.43'	82°18.15'	10-16-82	1044	36.266	28.10
	25°57.86'	82°14.84'	10-16-82	1121	36.255	28.05
	25°53.39'	82°11.59'	10-16-82	1153	36.367	28.05
	25°49.75'	82°08.93'	10-16-82	1224	36.222	28.10
Transect C	25°46.43'	81°53.40'	10-17-82	2101	35.515	27.15
	25°46.31'	81°56.05'	10-17-82	2205	35.750	27.30
	25°46.20'	81°58.48'	10-17-82	2300	35.954	27.40
	25°46.16'	82°01.25'	10-17-82	0002	36.099	27.40
	--	--	10-17-82	0104	36.235	27.50
	25°46.01'	82°06.73'	10-17-82	0201	36.206	27.50
In Transit to	--	--	10-18-82	0313	36.262	27.30
Transect D	25°39.93'	82°05.64'	10-18-82	0400	36.273	27.55
	--	--	10-18-82	0445	36.253	27.45
	25°29.56'	82°04.38'	10-18-82	0520	36.236	27.62
	25°23.88'	82°03.67'	10-18-82	0600	36.258	27.60
Transect D	25°17.64'	82°01.23'	10-18-82	1355	36.567	27.75
	25°17.64'	81°56.83'	10-18-82	1520	36.526	27.50
	25°18.94'	81°56.31'	10-18-82	1559	36.581	27.50
	25°17.68'	81°51.36'	10-18-82	1720	36.637	27.20

TABLE A.1. (CONTINUED).

Location	Latitude (N)	Longitude (W)	Sampling Date	Collection Time	Salinity (°/••)	Temperature (°C)
Transect D	25°17.90'	81°33.87'	10-19-82	0800	36.835	26.25
(Continued)	25°17.85'	81°36.67'	10-19-82	1130	36.880	26.50
	25°17.82'	81°39.46'	10-19-82	1230	36.831	26.60
	25°17.77'	81°43.84'	10-19-82	1935	36.811	26.75
	25°17.71'	81°48.94'	10-19-82	2120	36.732	26.80
	25°17.84'	81°50.66'	10-19-82	2153	36.630	26.92
Transect G	25°19.90'	81°40.11'	10-20-82	0405	36.834	26.45
	25°22.24'	81°41.32'	10-20-82	0506	36.672	26.40
	25°24.61'	81°42.63'	10-20-82	0602	36.972	26.40
	25°27.01'	81°43.93'	10-20-82	0702	36.445	26.25
	25°16.77'	81°46.81'	10-20-82	0845	36.786	26.80
	25°09.66'	81°48.46'	10-20-82	0935	36.702	26.70
	25°00.17'	81°50.43'	10-20-82	1035	36.803	27.40
	24°52.16'	81°52.69'	10-20-82	1135	36.683	27.50
	24°43.70'	81°53.96'	10-20-82	1230	36.399	27.55
	25°30.08'	81°47.06'	10-21-82	0330	36.111	26.45
	25°32.26'	81°49.28'	10-21-82	0425	36.070	26.50
	25°34.29'	81°51.50'	10-21-82	0519	36.061	26.60
	25°36.54'	81°53.74'	10-21-82	0620	36.070	26.65
	25°38.67'	81°55.89'	10-21-82	1042	36.063	26.70
	25°40.37'	81°57.79'	10-21-82	1139	36.311	26.80
	25°42.71'	82°00.06'	10-21-82	1255	36.316	27.00
	25°43.89'	82°01.35'	10-21-82	1338	36.535	26.95
	25°45.70'	82°03.25'	10-21-82	1436	36.599	27.05
	25°49.29'	82°04.59'	10-21-82	1717	36.143	27.05
	25°54.58'	82°06.04'	10-21-82	2216	35.948	26.65
	25°52.30'	82°01.99'	10-21-82	2314	35.835	26.60
	25°59.64'	82°07.52'	10-22-82	0012	35.905	26.39
	26°02.32'	82°08.21'	10-22-82	0124	36.239	26.25
	26°04.85'	82°08.96'	10-22-82	0218	36.335	26.60
	26°07.68'	82°09.74'	10-22-82	0317	36.167	26.40
	26°10.19'	82°10.44'	10-22-82	0520	35.388	26.35
	26°12.85'	82°11.17'	10-22-82	0614	35.075	26.25
	26°16.17'	82°12.18'	10-22-82	0728	34.981	26.20
Transect B	26°17.56'	82°14.97'	10-22-82	1133	35.127	26.40
(Repeat)	26°17.35'	82°20.06'	10-22-82	1305	35.079	26.70
	26°17.17'	82°23.56'	10-22-82	1411	35.133	26.80
In Transit to	26°18.44'	82°32.12'	10-22-82	1630	35.600	26.90
Transect H	26°25.51'	82°48.20'	10-22-82	1805	36.017	27.00
	26°27.76'	82°53.38'	10-22-82	1840	36.039	27.30
	26°31.33'	83°01.25'	10-22-82	1932	36.020	27.10
	26°34.64'	83°08.45'	10-22-82	2022	36.139	27.15
	26°37.24'	83°14.33'	10-22-82	2105	35.873	27.15
	26°40.10'	83°19.80'	10-22-82	2145	35.975	27.15

TABLE A.1. (CONTINUED).

Location	Latitude (N)	Longitude (W)	Sampling Date	Collection Time	Salinity (°/••)	Temperature (°C)
Transect H	26°37.47'	83°18.95'	10-23-82	0140	36.044	27.10
	26°34.67'	83°17.64'	10-23-82	0237	35.878	27.05
	26°31.41'	83°16.17'	10-23-82	0352	36.067	27.05
	26°28.47'	83°14.88'	10-23-82	0500	36.066	26.95
	26°26.74'	83°14.17'	10-23-82	0642	35.961	26.88
	26°24.18'	83°13.04'	10-23-82	0746	36.036	26.52
In Transit to Transect I	26°15.03'	83°10.77'	10-23-82	1211	36.107	26.71
Transect I	26°09.34'	83°07.49'	10-23-82	1541	35.996	27.10
	26°06.47'	83°06.46'	10-23-82	1641	36.220	27.05
	26°03.38'	83°05.43'	10-23-82	1745	35.828	26.85
	26°00.29'	83°04.36'	10-23-82	1847	35.887	26.89
	25°57.11'	83°03.24'	10-23-82	1950	35.974	26.80
	25°54.47'	83°02.27'	10-23-82	2050	35.980	26.69
	25°52.13'	83°01.49'	10-23-82	2145	36.030	26.65
In Transit to Transect J	25°43.14	83°00.58'	10-24-82	0145	36.036	26.45
Transect J	25°38.09'	82°57.41'	10-24-82	1215	36.075	26.52
	25°33.50'	82°56.50'	10-24-82	1348	35.957	26.85
	25°28.61'	82°55.07'	10-24-82	1529	35.878	27.20
	25°25.66'	82°54.60'	10-24-82	1623	35.866	27.20
In Transit to Transect K	25°15.67'	82°54.77'	10-24-82	2005	35.939	26.90
Transect K	25°05.55'	82°51.13'	10-24-82	2339	35.928	26.90
	25°06.25'	82°53.62'	10-25-82	0050	35.933	27.10
	25°03.48'	82°53.56'	10-25-82	0157	35.936	27.15
	25°01.18'	82°53.55'	10-25-82	0249	35.923	27.10
	24°57.40'	82°53.44'	10-25-82	0414	35.854	27.20
	25°01.85'	82°57.58'	10-25-82	0445	35.836	27.15
	24°53.15'	82°53.42'	10-25-82	0554	35.877	27.10
	24°51.18'	82°53.41'	10-25-82	0645	35.948	26.80
In Transit to	24°48.12'	82°59.94'	10-25-82	1000	35.981	26.71
Transect E	24°48.11'	83°05.93'	10-25-82	1040	35.893	26.61
	24°48.10'	83°11.66'	10-25-82	1112	35.917	26.88
	24°48.04'	83°17.27'	10-25-82	1148	36.523	26.73
	24°47.96'	83°25.38'	10-25-82	1240	36.040	26.58
	24°48.15'	83°28.22'	10-25-82	1257	36.009	26.55
	24°48.73'	83°34.32'	10-25-82	1337	36.009	26.34

TABLE A.1. (CONTINUED).

Location	Latitude (N)	Longitude (W)	Sampling Date	Collection Time	Salinity (°/••)	Temperature (°C)
Transect E	24°47.77'	83°39.14'	10-25-82	1652	36.173	26.70
	24°47.70'	83°41.83'	10-25-82	1749	36.152	26.60
In Transit to to Transect L	24°45.99'	83°48.66'	10-25-82	2145	36.223	26.40
Transect L	24°48.72'	83°55.01'	10-26-82	0502	35.898	26.75
	24°50.66'	83°56.93'	10-26-82	0602	35.776	25.20
	24°53.25'	84°00.07'	10-26-82	0751	35.969	25.35
	24°55.28'	84°02.06'	10-26-82	0900	35.890	25.20
	24°56.82'	84°04.13'	10-26-82	1000	35.944	25.62
	24°58.69'	84°05.81'	10-26-82	1103	35.940	25.65
	25°00.88'	84°07.15'	10-26-82	1205	35.979	25.45
	25°03.58'	84°08.57'	10-27-82	0035	35.951	25.50
	25°05.40'	84°09.73'	10-27-82	0135	35.998	25.40
	--	--	10-27-82	0234	35.981	25.30
In Transit to St. Petersburg	25°09.35'	84°16.51'	10-27-82	1415	36.052	25.48
	25°14.72'	84°15.21'	10-27-82	1500	36.092	25.79
	25°20.24'	84°14.28'	10-27-82	1545	36.157	25.85
	25°26.00'	84°13.24'	10-27-82	1630	36.104	25.76
	25°30.78'	84°10.83'	10-27-82	1710	36.086	25.62
	25°35.53'	84°07.62'	10-27-82	1750	36.117	25.81
	25°39.84'	84°04.53'	10-27-82	1838	36.146	25.79
	25°43.13'	84°04.18'	10-27-82	1951	36.045	25.47
	25°46.05'	84°03.97'	10-27-82	2052	35.995	25.50
	25°52.14'	84°00.92'	10-27-82	2210	35.974	25.45
	25°57.35'	83°59.03'	10-27-82	2258	36.030	25.05
	26°04.18'	83°59.12'	10-27-82	2337	36.039	25.20
	26°10.70'	83°58.48'	10-28-82	0025	36.081	25.10
	26°15.69'	83°55.75'	10-28-82	0110	36.167	25.12
	26°32.29'	83°44.61'	10-28-82	0515	36.164	24.90
	26°33.97'	83°42.85'	10-28-82	0555	36.214	24.90
	26°40.19'	83°36.96'	10-28-82	0740	35.984	25.20
	26°43.61'	83°34.37'	10-28-82	0820	36.144	25.25
	26°46.60'	83°31.68'	10-28-82	0900	35.929	25.43
	26°49.85'	83°26.51'	10-28-82	0950	35.939	25.65
	26°52.86'	83°21.26'	10-28-82	1040	35.976	25.48
	26°58.34'	83°18.94'	10-28-82	1130	35.968	25.36
	27°03.35'	83°16.12'	10-28-82	1213	35.887	25.39
	27°07.62'	83°12.32'	10-28-82	1255	36.038	25.35
	27°11.85'	83°08.42'	10-28-82	1330	35.966	25.52
	27°16.08'	83°04.46'	10-28-82	1404	35.806	25.17
	27°20.39'	83°00.44'	10-28-82	1440	35.521	24.55
	27°24.87'	82°56.28'	10-28-82	1515	35.042	23.96

TABLE A.2. CRUISE I SALINITY, TEMPERATURE, AND DISSOLVED OXYGEN PROFILE DATA.

Location	Latitude (N)	Longitude (W)	Sampling Date	Collection Time	Sampling Depth (m)	Salinity (°/••)	Temperature (°C)	Dissolved Oxygen (ml l^{-1})
Transect B-East	26°17.70'	82°11.33'	10-15-82	1847	1.5	35.651	28.26	6.24
			10-15-82	1847	11.0	35.566	28.24	6.50
Transect B-West	26°16.89'	82°27.04'	10-16-82	0800	1.5	35.921	27.97	5.94
			10-16-82	0800	6.8	35.935		5.94
			10-16-82	0800	16.8	35.923	28.06	5.94
Transect C-West	25°45.96'	82°06.73'	10-16-82	1314	1.5	36.413	28.46	6.04
			10-16-82	1314	7.7	36.232		5.99
			10-16-82	1314	17.7	36.236	28.48	6.14
Transect C-East	25°46.53'	81°50.75'	10-17-82	1830	1.5	35.182	27.46	6.16
			10-17-82	1830	10.1	35.16	27.44	6.14
Transect D-West	25°17.55'	82°03.20'	10-18-82	0723	1.5	36.506	27.98	6.04
			10-18-82	0723	6.5	36.512		6.09
			10-18-82	0723	16.5	36.504	27.99	6.22
Transect D-East	25°17.89'	81°30.40'	10-19-82	0400	1.5	36.743	26.55	6.09
			10-19-82	0400	8.5	36.769	26.53	6.10
Transect G-South	25°17.81'	81°39.03'	10-20-82	0105	1.5	36.784	26.80	6.16
			10-20-82	0105	10.5	36.820	26.78	6.14
Transect G-Mid	25°51.01'	82°05.15'	10-21-82	1912	1.5	36.005	27.11	6.39
			10-21-82	1912	5.5	36.068		6.36
			10-21-82	1912	15.5	36.153	27.06	6.29

TABLE A.2. (CONTINUED).

Location	Latitude (N)	Longitude (W)	Sampling Date	Collection Time	Sampling Depth (m)	Salinity (‰)	Temperature (°C)	Dissolved Oxygen (ml l^{-1})
Transect G-North	26°17.69'	82°12.68'	10-22-82	0836	1.5	35.167	26.44	6.19
			10-22-82	0836	10.8	35.205	26.48	6.09
Transect H-North	26°40.88'	83°20.42'	10-22-82	2045	1.5	35.930	27.42	6.14
			10-22-82	2045	9.5	35.942		6.33
			10-22-82	2045	19.5	36.266		6.21
			10-22-82	2045	29.5	36.068		6.18
			10-22-82	2045	39.5	36.125		6.22
			10-22-82	2045	49.5	36.292	23.16	5.32
Transect H-South	26°22.29'	83°12.32'	10-23-82	1006	1.5	36.002	26.88	6.15
			10-23-82	1006	8.5	36.003		6.14
			10-23-82	1006	18.5	35.995		6.04
			10-23-82	1006	28.5	35.996		6.14
			10-23-82	1006	38.5	36.510		6.40*
			10-23-82	1006	48.5	36.355	22.72	5.94
Transect I-North	26°11.83'	83°03.38'	10-23-82	1315	1.5	35.961	27.12	6.24
			10-23-82	1315	8.5	35.957		6.28
			10-23-82	1315	18.5	35.970		6.32
			10-23-82	1315	28.5	36.086		6.29
			10-23-82	1315	38.5	36.491		6.45*
			10-23-82	1315	48.5	36.363	22.64	6.11
Transect I-South	25°51.09'	83°01.11'	10-23-82	2323	1.5	35.989	26.78	6.24
			10-23-82	2323	8.5	35.994		6.25
			10-23-82	2323	18.5	35.981		6.24

TABLE A.2. (CONTINUED).

Location	Latitude (N)	Longitude (W)	Sampling Date	Collection Time	Sampling Depth (m)	Salinity (°/••)	Temperature (°C)	Dissolved Oxygen (ml l^{-1})
Transect I-South	25°51.09'	83°01.11'	10-23-82	2323	28.5	36.098		6.25
(continued)			10-23-82	2323	38.5	36.334		6.34
			10-23-82	2323	48.5	36.440	23.51	5.94
Transect J-North	25°40.64'	82°58.07'	10-24-82	0854	1.5	36.017	26.84	6.20
			10-24-82	0854	9.5	36.035		6.12
			10-24-82	0854	19.5	36.045		6.10
			10-24-82	0854	29.5	36.060		6.05
			10-24-82	0854	39.5	36.288		6.21
			10-24-82	0854	49.5	36.401	23.07	5.86
Transect J-South	25°22.49'	82°53.94'	10-24-82	1844	1.5	35.864	27.29	6.28
			10-24-82	1844	9.5	35.861		6.27
			10-24-82	1844	19.5	35.866		6.30
			10-24-82	1844	29.5	35.866		6.26
			10-24-82	1844	39.5	36.115		6.31
			10-24-82	1844	49.5	36.362	24.11	6.05
Transect K-North	25°11.92'	82°53.78'	10-24-82	2105	1.5	35.915	27.28	6.26
			10-24-82	2105	8.5	35.914		6.26
			10-24-82	2105	18.5	35.913		6.31
			10-24-82	2105	28.5	35.937		6.36
			10-24-82	2105	38.5	36.007		6.51
			10-24-82	2105	48.5	36.335	23.56	5.34
Transect K-South	24°48.41'	82°53.56'	10-25-82	0842	1.5	35.996	27.05	5.94
			10-25-82	0842	12.5	35.989		5.92

TABLE A.2. (CONTINUED).

Location	Latitude (N)	Longitude (W)	Sampling Date	Collection Time	Sampling Depth (m)	Salinity (°/••)	Temperature (°C)	Dissolved Oxygen (ml l^{-1})
Transect K-South (continued)	24°48.41'	82°53.56'	10-25-82	0842	22.5	35.973		5.96
			10-25-82	0842	32.5	35.989		5.93
			10-25-82	0842	42.5	35.970	27.02	5.80
Transect L-South	24°47.21'	83°53.24'	10-26-82	0030	1.5	36.017	26.49	6.34
			10-26-82	0030	13.5	36.014		6.48
			10-26-82	0030	23.5	36.016		6.36
			10-26-82	0030	33.5	36.032		6.30
			10-26-82	0030	43.5	36.339		6.48
			10-26-82	0030	53.5	36.229		6.26
			10-26-82	0030	63.5	36.452		5.44
			10-26-82	0030	73.5	36.439		5.12
			10-26-82	0030	83.5	36.429		4.66
			10-26-82	0115	93.5	36.429		4.84
			10-26-82	0115	103.5	36.344	18.53	4.37

TABLE A.3. CRUISE I TRANSMISSIVITY AND TEMPERATURE PROFILE DATA.

Location	Latitude (N)	Longitude (W)	Sampling Date	Time	Sampling Depth (m)	Temperature (°C)	Transmittance (%)
Transect B-East	26°17.70'	82°11.33'	10-15-82	1847	4.0	28.3	50
			10-15-82	1847	5.0	28.3	55
			10-15-82	1847	10.0	28.3	56
			10-15-82	1847	11.0	28.3	55
Transect B-West	26°16.89'	82°27.04'	10-16-82	0800	1.5	28.0	74
			10-16-82	0800	6.5	28.0	74
			10-16-82	0800	10.0	28.1	74
			10-16-82	0800	15.0	28.1	74
Transect C-West	25°45.96'	82°06.73'	10-16-82	1314	1.5	28.5	61
			10-16-82	1314	5.0	28.5	61
			10-16-82	1314	10.0	28.5	59
			10-16-82	1314	15.0	28.5	59
			10-16-82	1314	17.7	28.5	59
Transect C-East	25°46.53'	81°50.75'	10-17-82	1830	1.5	27.5	39
			10-17-82	1830	5.0	28.2	41
			10-17-82	1830	10.0	27.4	43
Transect D-West	25°17.55'	82°03.20'	10-18-82	0723	1.5	27.9	62
			10-18-82	0723	5.0	28.0	63
			10-18-82	0723	10.0	28.0	63
			10-18-82	0723	15.0	28.0	64

TABLE A.3. (CONTINUED).

Location	Latitude (N)	Longitude (W)	Sampling Date	Time	Sampling Depth (m)	Temperature (°C)	Transmittance (%)
Transect D-East	25°17.89	81°30.40'	10-19-82	0400	1.5	26.6	44
			10-19-82	0400	5.0	26.6	47
			10-19-82	0400	8.0	26.5	48
Transect G-South	25°17.81'	81°39.03'	10-20-82	0105	1.5	26.8	46
			10-20-82	0105	5.0	26.8	47
			10-20-82	0105	10.0	26.8	47
Transect G-Mid	25°51.01'	82°05.15'	10-21-82	1912	1.5	27.1	66
			10-21-82	1912	5.0	27.1	67
			10-21-82	1912	10.0	27.0	68
			10-21-82	1912	15.0	27.0	68
			10-21-82	1912			
Transect G-North	26°17.69'	82°12.68'	10-22-82	0836	1.5	26.4	51
			10-22-82	0836	5.0	26.4	53
			10-22-82	0836	9.5	26.4	53
Transect H-North	26°40.88'	83°20.42'	10-22-82	2045	1.5	27.4	91
			10-22-82	2045	5.0	27.4	92
			10-22-82	2045	10.0	27.4	92
			10-22-82	2045	15.0	27.4	92
			10-22-82	2045	20.0	27.4	91
			10-22-82	2045	25.0	27.3	90

TABLE A.3. (CONTINUED).

Location	Latitude (N)	Longitude (W)	Sampling Date	Time	Sampling Depth (m)	Temperature (°C)	Transmittance (%)
Transect H-North (continued)	26°40.88'	83°20.42'	10-22-82	2045	30.0	27.3	91
			10-22-82	2045	35.0	27.3	91
			10-22-82	2045	40.0	25.3	88
			10-22-82	2045	45.0	23.2	81
			10-22-82	2045			
Transect H-South	26°22.29'	83°12.32'	10-23-82	1006	1.5	26.9	83
			10-23-82	1006	5.0	26.9	93
			10-23-82	1006	10.0	26.9	94
			10-23-82	1006	15.0	26.9	94
			10-23-82	1006	20.0	26.9	95
			10-23-82	1006	25.0	26.9	94
			10-23-82	1006	30.0	26.4	94
			10-23-82	1006	35.0	25.2	94
			10-23-82	1006	40.0	23.0	93
			10-23-82	1006	45.0	22.7	77
			10-23-82	1006	46.0	22.7	77
Transect I-North	26°11.83'	83°08.38'	10-23-82	1315	1.5	27.1	92
			10-23-82	1315	5.0	27.1	95
			10-23-82	1315	10.0	27.1	98
			10-23-82	1315	15.0	27.1	97
			10-23-82	1315	20.0	27.1	97
			10-23-82	1315	25.0	27.1	97
			10-23-82	1315	30.0	26.1	97

TABLE A.3. (CONTINUED).

Location	Latitude (N)	Longitude (W)	Sampling Date	Time	Sampling Depth (m)	Temperature (°C)	Transmittance (%)
Transect I-North (continued)	26°11.83'	83°08.38'	10-23-82	1315	35.0	25.3	96
			10-23-82	1315	40.0	23.8	95
			10-23-82	1315	45.0	22.8	83
			10-23-82	1315	47.0	22.6	81
Transect I-South	25°51.09'	83°01.11'	10-23-82	2323	1.5	26.8	84
			10-23-82	2323	6.0	26.8	91
			10-23-82	2323	11.0	26.8	96
			10-23-82	2323	16.0	26.8	98
			10-23-82	2323	21.0	26.8	98
			10-23-82	2323	26.0	26.3	97
			10-23-82	2323	31.0	25.3	97
			10-23-82	2323	36.0	24.8	97
			10-23-82	2323	41.0	23.5	90
Transect J-North	25°40.64'	82°58.07'	10-24-82	0854	1.5	26.6	90
			10-24-82	0854	5.0	26.8	92
			10-24-82	0854	10.0	26.8	96
			10-24-82	0854	15.0	26.8	96
			10-24-82	0854	20.0	26.8	97
			10-24-82	0854	25.0	26.8	97
			10-24-82	0854	30.0	26.8	97
			10-24-82	0854	35.0	26.8	96

TABLE A.3. (CONTINUED).

Location	Latitude (N)	Longitude (W)	Sampling Date	Time	Sampling Depth (m)	Temperature (°C)	Transmittance (%)
Transect K-North	25°11.92'	82°53.78'	10-24-82	2105	26.0	27.4	92
			10-24-82	2105	31.0	27.4	92
			10-24-82	2105	36.0	26.6	92
			10-24-82	2105	41.0	23.7	86
			10-24-82	2105	46.0	23.6	79
Transect K-South	24°48.41'	82°53.56'	10-25-82	0842	1.5	27.0	81
			10-25-82	0842	5.0	27.0	81
			10-25-82	0842	10.0	27.0	81
			10-25-82	0842	15.0	27.0	81
			10-25-82	0842	20.0	27.0	81
			10-25-82	0842	25.0	27.0	82
			10-25-82	0842	30.0	27.0	82
			10-25-82	0842	35.0	27.0	83
			10-25-82	0842	38.0	27.0	76
Transect L-South	24°47.21'	83°53.24'	10-26-82	0030	1.5	26.5	94
			10-26-82	0030	6.0	26.6	96
			10-26-82	0030	11.0	26.6	96
			10-26-82	0030	16.0	26.6	96
			10-26-82	0030	21.0	26.6	96
			10-26-82	0030	26.0	26.6	96
			10-26-82	0030	31.0	26.3	96
			10-26-82	0030	36.0	25.5	94

TABLE A.3. (CONTINUED).

Location	Latitude (N)	Longitude (W)	Sampling Date	Time	Sampling Depth (m)	Temperature (°C)	Transmittance (%)
Transect L-South (continued)	24°47.21'	83°53.24'	10-26-82	0030	41.0	24.1	94
			10-26-82	0030	46.0	23.3	94
			10-26-82	0030	51.0	22.6	94
			10-26-82	0030	56.0	21.6	94
			10-26-82	0030	61.0	21.1	96
			10-26-82	0030	66.0	20.5	98
			10-26-82	0030	71.0	20.2	98
			10-26-82	0030	76.0	20.0	99
			10-26-82	0030	81.0	19.7	99
			10-26-82	0030	86.0	19.1	99
			10-26-82	0115	91.0	18.6	100
			10-26-82	0115	96.0	18.5	100
			10-26-82	0115	101.0	18.5	100

TABLE A.4. CRUISE II SALINITY, TEMPERATURE, AND DISSOLVED OXYGEN PROFILE DATA.

Station	Sampling Date	Collection Time	Sampling Depth (m)	Salinity (°/••)	Temperature (°C)	Dissolved Oxygen (ml l^{-1})
44	12-05-82	0230	1.5	35.159	23.90	6.30
	12-05-82	0230	12.0	35.157	23.92	6.34
45	12-06-82	0237	1.5	35.371	23.95	6.55
	12-06-82	0237	5.5	35.357		6.42
	12-06-82	0237	15.5	35.358	23.96	6.46
47	12-07-82	0120	1.5	35.988	24.52	6.53
	12-07-82	0120	8.5	35.967		6.58
	12-07-82	0120	18.5	35.972	24.41	6.68
51	12-07-82	2245	1.5	35.511	24.67	6.40
	12-07-82	2245	14.0	35.516	24.69	6.48
52	12-09-82	0225	1.5	35.298	24.62	6.60
	12-09-82	0225	11.5	35.300	24.62	6.58

TABLE A.5. CRUISE II TRANSMISSIVITY AND TEMPERATURE PROFILE DATA.

Station	Sampling Date	Time	Sampling Depth (m)	Temperature (°C)	Transmittance (%)
44	12-05-82	0230	1.5	23.9	62
	12-05-82	0230	6.0	23.9	73
	12-05-82	0230	11.0	23.8	74
	12-05-82	0230			
45	12-06-82	0237	1.5	24.0	74
	12-06-82	0237	6.0	24.0	76
	12-06-82	0237	11.0	24.0	78
	12-06-82	0237	14.0	24.0	78
	12-06-82	0237			
	12-06-82	0237			
47	12-07-82	0120	1.5	24.5	80
	12-07-82	0120	6.0	24.5	82
	12-07-82	0120	11.0	24.3	82
	12-07-82	0120	16.0	24.3	81
	12-07-82	0120	19.0	24.3	81
	12-07-82	0120			
51	12-07-82	2245	1.5	24.7	58
	12-07-82	2245	6.0	24.7	61
	12-07-82	2245	11.0	24.7	62
	12-07-82	2245			
52	12-09-82	0225	1.5	24.6	38
	12-09-82	0225	6.0	24.6	43
	12-09-82	0225	10.0	24.6	44
	12-09-82	0225			

TABLE A.6. CRUISE III SALINITY, TEMPERATURE, AND DISSOLVED OXYGEN PROFILE DATA.

Station	Sampling Date	Collection Time	Sampling Depth (m)	Salinity (°/••)	Temperature (°C)	Dissolved Oxygen (ml l^{-1})
44	05-31-83	0115	1.5	35.143	26.52	6.50
	05-31-83	0115	9.5	35.145	26.50	6.37
45	05-31-83	2315	1.5	35.217	26.39	6.50
	05-31-83	2315	4.0	35.225		6.66
	05-31-83	2315	14.0	35.516	25.93	5.82
47	06-01-83	2300	1.5	35.178	27.09	6.58
	06-01-83	2300	7.5	35.505		6.61
	06-01-83	2300	17.5	35.812	23.98	7.22
51	06-03-83	0217	1.5	35.924	27.85	6.66
	06-03-83	0217	12.0	35.923	26.92	6.70
52	06-02-83	2340	1.5	35.638	28.48	6.70
	06-02-83	2340	10.0	35.771	27.60	6.75

TABLE A.7. CRUISE III TRANSMISSIVITY AND TEMPERATURE PROFILE DATA.

Station	Sampling Date	Time	Sampling Depth (m)	Temperature (°C)	Transmittance (%)
44	05-31-83	0115	1.5	26.5	70
	05-31-83	0115	5.0	26.5	70
	05-31-83	0115	10.0	26.5	70
	05-31-83	0115			
45	05-31-83	2315	1.5	26.4	80
	05-31-83	2315	5.0	26.4	81
	05-31-83	2315	10.0	26.4	83
	05-31-83	2315	14.0	25.9	76
	05-31-83	2315			
	05-31-83	2315			
47	06-01-83	2300	1.5	27.0	80
	06-01-83	2300	5.0	26.7	79
	06-01-83	2300	10.0	25.7	78
	06-01-83	2300	15.0	24.0	64
	06-01-83	2300	18.0	24.0	60
	06-01-83	2300			
51	06-03-83	0217	1.5	27.8	64
	06-03-83	0217	5.0	27.0	66
	06-03-83	0217	10.0	26.9	70
	06-03-83	0217	12.0	26.9	70
52	06-02-83	2340	1.5	28.5	52
	06-02-83	2340	5.0	27.7	46
	06-02-83	2340	10.0	27.6	33
	06-02-83	2340			

TABLE A.8. THERMOGRAPH DATA FROM STATION 52, 10 DECEMBER 1982 TO 4 JUNE 1983.

Date	Temperature (°C) Noon	Midnight
DEC 10	23.8	24.0
DEC 11	23.9	23.9
DEC 12	23.8	23.9
DEC 13	23.7	23.3
DEC 14	22.9	22.7
DEC 15	22.5	22.4
DEC 16	22.5	22.5
DEC 17	22.6	22.2
DEC 18	21.9	21.1
DEC 19	21.2	20.9
DEC 20	21.0	20.9
DEC 21	20.9	20.6
DEC 22	20.6	20.4
DEC 23	20.3	20.2
DEC 24	20.2	20.2
DEC 25	20.2	20.4
DEC 26	20.4	20.5
DEC 27	20.6	20.7
DEC 28	20.6	20.8
DEC 29	20.7	20.8
DEC 30	20.7	20.9
DEC 31	20.9	21.0
JAN 1	21.0	21.1
JAN 2	21.1	21.3
JAN 3	21.3	21.3
JAN 4	21.3	21.4
JAN 5	21.5	21.3
JAN 6	21.2	21.1
JAN 7	21.0	21.0
JAN 8	21.0	20.8
JAN 9	20.8	20.8
JAN 10	20.8	20.8
JAN 11	20.9	20.9
JAN 12	20.9	20.9
JAN 13	21.0	20.8
JAN 14	20.7	20.2
JAN 15	19.8	19.6
JAN 16	19.2	19.2
JAN 17	19.0	19.1
JAN 18	18.6	18.7
JAN 19	18.4	18.4
JAN 20	18.1	18.0
JAN 21	17.9	17.8
JAN 22	17.8	17.8
JAN 23	17.8	17.8

TABLE A.8. (CONTINUED).

Date	Temperature (°C) Noon	Midnight
JAN 24	17.8	17.9
JAN 25	18.0	18.2
JAN 26	18.2	18.0
JAN 27	18.1	18.0
JAN 28	17.9	17.8
JAN 29	17.9	17.8
JAN 30	17.9	17.9
JAN 31	17.9	17.8
FEB 1	17.9	17.9
FEB 2	18.0	18.2
FEB 3	18.3	18.3
FEB 4	18.4	18.5
FEB 5	18.6	18.6
FEB 6	18.6	18.6
FEB 7	18.5	18.4
FEB 8	18.3	18.3
FEB 9	18.3	18.5
FEB 10	18.5	18.6
FEB 11	18.5	18.4
FEB 12	18.3	18.3
FEB 13	18.3	18.4
FEB 14	18.4	18.5
FEB 15	18.6	18.6
FEB 16	18.6	18.6
FEB 17	18.6	18.5
FEB 18	18.5	18.4
FEB 19	18.4	18.4
FEB 20	18.4	18.3
FEB 21	18.5	18.5
FEB 22	18.5	18.5
FEB 23	18.5	18.6
FEB 24	18.6	18.7
FEB 25	18.7	18.6
FEB 26	18.6	18.7
FEB 27	18.7	18.8
FEB 28	18.8	18.9
MAR 1	19.0	19.1
MAR 2	19.1	19.0
MAR 3	18.9	18.9
MAR 4	18.8	19.0
MAR 5	19.0	19.0
MAR 6	18.9	18.9
MAR 7	18.9	18.9
MAR 8	19.0	19.0
MAR 9	19.3	19.2

TABLE A.8. (CONTINUED).

Date	Temperature (°C) Noon	Midnight
MAR 10	19.5	19.6
MAR 11	19.7	19.9
MAR 12	19.9	20.2
MAR 13	20.1	20.0
MAR 14	20.2	20.0
MAR 15	20.0	19.7
MAR 16	19.5	19.1
MAR 17	19.0	18.9
MAR 18	18.7	18.8
MAR 19	18.9	18.9
MAR 20	19.0	19.0
MAR 21	19.0	19.1
MAR 22	19.1	19.3
MAR 23	19.3	19.4
MAR 24	19.4	19.5
MAR 25	19.6	19.7
MAR 26	19.9	20.0
MAR 27	19.9	19.8
MAR 28	19.8	19.7
MAR 29	19.9	19.9
MAR 30	19.8	19.6
MAR 31	19.6	19.5
APR 1	19.7	19.7
APR 2	19.9	19.9
APR 3	20.0	19.8
APR 4	19.9	19.9
APR 5	20.1	20.1
APR 6	20.2	20.2
APR 7	20.2	20.3
APR 8	20.3	20.6
APR 9	20.6	20.7
APR 10	20.7	20.8
APR 11	21.0	21.0
APR 12	21.2	21.2
APR 13	21.7	21.8
APR 14	22.0	22.3
APR 15	22.4	22.5
APR 16	22.7	22.7
APR 17	22.5	22.6
APR 18	22.4	22.5
APR 19	22.4	22.4
APR 20	22.4	22.4
APR 21	22.5	22.5
APR 22	22.5	22.5
APR 23	22.4	22.0

TABLE A.8. (CONTINUED).

Date	Temperature (°C) Noon	Midnight
APR 24	22.0	21.7
APR 25	21.8	21.6
APR 26	21.7	21.6
APR 27	21.6	21.7
APR 28	21.7	21.8
APR 29	21.9	22.1
APR 30	22.2	22.4
MAY 1	22.5	22.6
MAY 2	22.4	22.4
MAY 3	22.2	22.4
MAY 4	22.3	22.4
MAY 5	22.3	22.5
MAY 6	22.4	22.5
MAY 7	22.5	22.6
MAY 8	22.6	22.6
MAY 9	22.7	22.8
MAY 10	23.0	23.0
MAY 11	23.3	23.4
MAY 12	23.7	23.7
MAY 13	23.7	23.6
MAY 14	23.7	23.6
MAY 15	23.7	23.6
MAY 16	23.7	23.7
MAY 17	23.9	23.9
MAY 18	24.2	24.0
MAY 19	24.0	23.9
MAY 20	24.0	23.8
MAY 21	23.8	23.8
MAY 22	23.7	23.8
MAY 23	23.9	24.2
MAY 24	24.1	24.3
MAY 25	24.3	24.5
MAY 26	24.7	24.8
MAY 27	24.8	24.8
MAY 28	24.8	24.9
MAY 29	24.9	25.0
MAY 30	25.0	25.2
MAY 31	25.2	25.3
JUN 1	25.3	25.3
JUN 2	25.7	25.7
JUN 3	25.9	25.8
JUN 4	25.8	

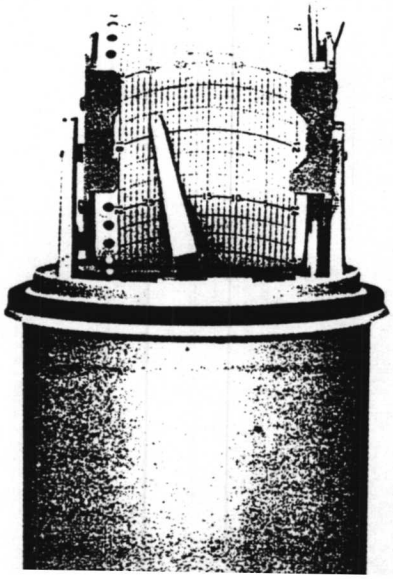
TABLE A.9. SEDIMENT TRAP DATA.

Station	Date Deployed	Date Recovered	Height of Trap Mouth Above Bottom	Replicate	Total Dry Wt Deposited (g)
47	12-15-82	6-2-83	1 m	A	26.75
				B	27.99
				C	62.95
			2 m	A	59.19
				B	60.58
				C	27.23
51	12-11-82	6-3-83	1 m	A	52.03
				B	56.34
				C	107.72
			2 m	A	92.77
				B	92.46
				C	54.70
52	12-10-82	6-4-83	2 m	A	58.53
				B	63.24
				C	62.02

Note: Station 44 and 45 arrays were not recovered. The lower traps at Station 52 had been dislodged when the array was recovered.
The surface area of each trap mouth was 5.07 cm^2.

Ryan Model J Portable Waterproof Thermograph

For unattended water and ambient air temperature chart recordings for periods up to 180 days.



A rugged, dependable, multi-purpose instrument for scientific temperature recording by research hydrologists and environmentalists.

The Ryan Model J Thermograph enables research workers to chart water or air temperature changes with unattended scientific accuracy for periods up to 3 months with the J-90 and 6 months with the J-180 . . . making this an ideal instrument for water resource studies, thermal pollution studies, and fishery research projects. Precision of movement is provided by a quartz timing mechanism. Fast response probe records temperature changes on an easy-to-read, pressure sensitive chart 2 inches wide by 24 feet long: this chart is mounted on a removable cartridge for ease of loading and unloading directly in the field, and is advanced by a sprocket drive. All operational parts are contained in the bottom half of the external casing; this is connected to the top casing by a quick-attachment coupler to establish a water-tight seal. Full details on this outstanding instrument are contained on the opposite side of this sheet

SPECIFICATIONS WATERPROOF THERMOGRAPH - MODEL J

MODELS:	J-180 (Six Months). J-90 (Three Months).
SENSING ELEMENT:	Hi-expansion liquid filled system, operating a bellows mechanism.
DRIVE:	Removable chart transport assembly consists of feed, take-up and sprocket drive spools geared to a miniature stepping motor powered by CMOS integrated circuit, timed by a quartz crystal oscillator.
POWER SOURCE:	Battery (One) 1.5 volt C-cell alkaline.
CHART:	Pressure sensitive strip chart perforated to accommodate sprocket drive, temp grid 2 inches wide, 24 feet long with lineal day span length as follows: 90 day @ 3.0"/day 180 day @ 1.5"/day
TEMPERATURE RANGE:	Centigrade 30°C span: 1°C division 5 ranges: −5° to +25°C, 0 to +30°C, +5° to +35°C, +10° to +40°C, +15° to +45°C.
ENCLOSURE:	Two-piece heavy section plastic tank sealed at center with "O" ring and flush latch clamp. Tank enclosure is international yellow or dark green polycarbonate thermo plastic and will withstand water pressure to depths of 500 feet (225 psi). Anchor holes provided top and bottom will accept ¼" nylon line.
PHYSICAL:	Completely self-contained, outside diameter slightly under 5 inches, height 11.5 inches, weight 2.5 lbs.
ACCURACY:	Time: ±.2 of one percent running time. Temperature: ±2 percent full scale.
WARRANTY:	Within one year from date of purchase no charge for repair and/or replacement of part or parts whose failure in service was attributed to faulty part(s) or workmanship.

Rental Rates for Short-Term Use

Rental rates per instrument, MODEL J:

Months:	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Rate:	**$35**	**$55**	**$70**	**$85**	**$100**	**$110**	**$120**	**$130**	**$140**	**$150**	**$150**	**$150**

Rental period begins with shipment from Ryan plant, with a 14-day grace period for return of the instrument. An additional one-month rental at the applicable rate will be charged for instruments received on the 15th day or later.

Quantity long-term rental rates are available on request.

Charts are included in the rental charge.

Purchase option: Up to six months paid rental may be applied in full to the purchase of a new instrument.

Ryan Thermograph Purchase Prices

Purchase price per instrument, MODEL J: $475.00

Purchase price includes 3 charts, one additional chart transport and one additional clamp per instrument. Extra stripcharts available at $18.00 per half dozen; $24 per dozen.

Prices F.O.B. Plant, Kirkland, WA

When ordering, please specify Model J, chart speed, temperature range desired and enclosure color.

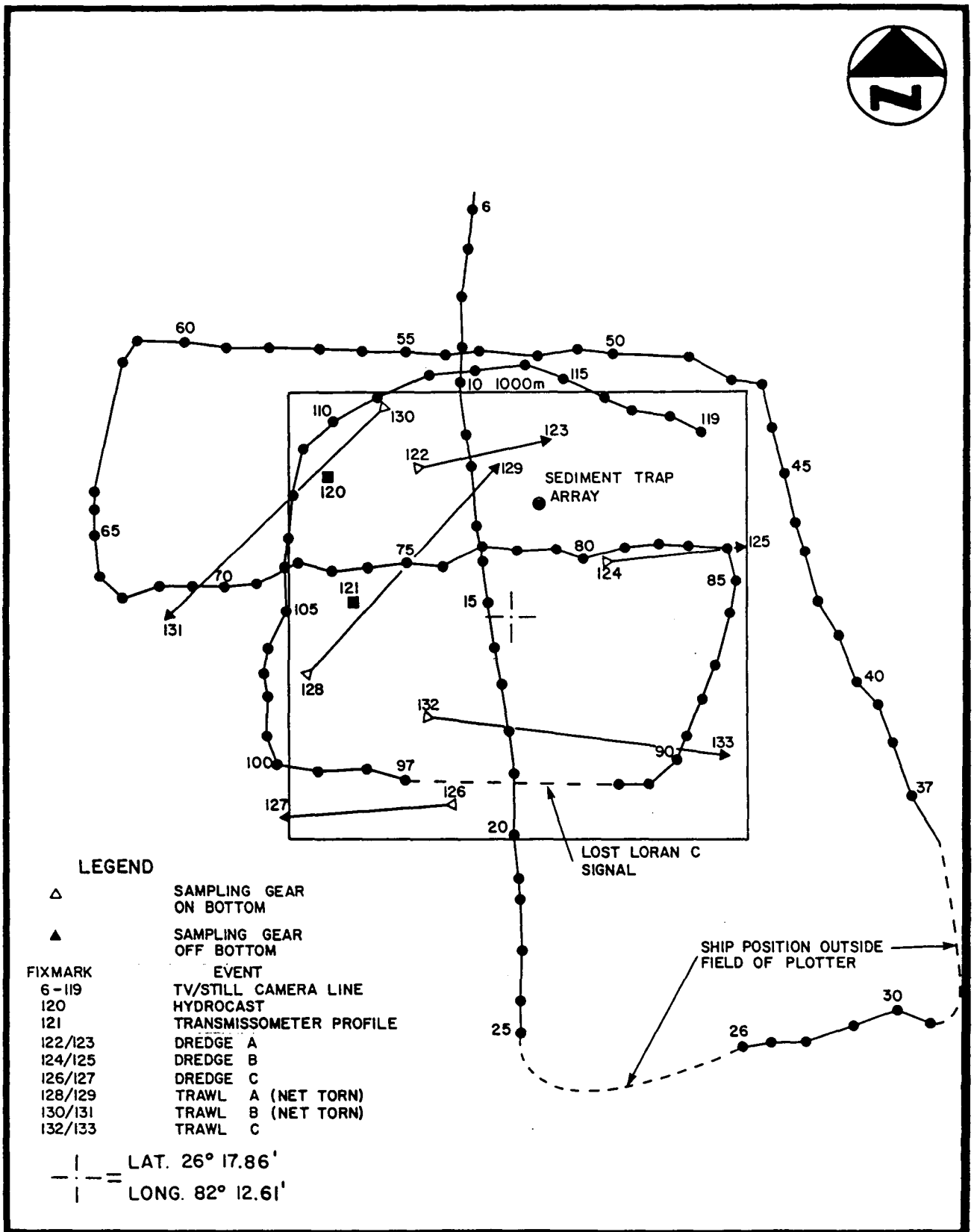
QUANTITY DISCOUNT SCHEDULE

UNITS	MODEL J
1-4	$475.00
5-10	$427.50
11-25	$403.75
26-50	$380.00
51 or more	$356.25

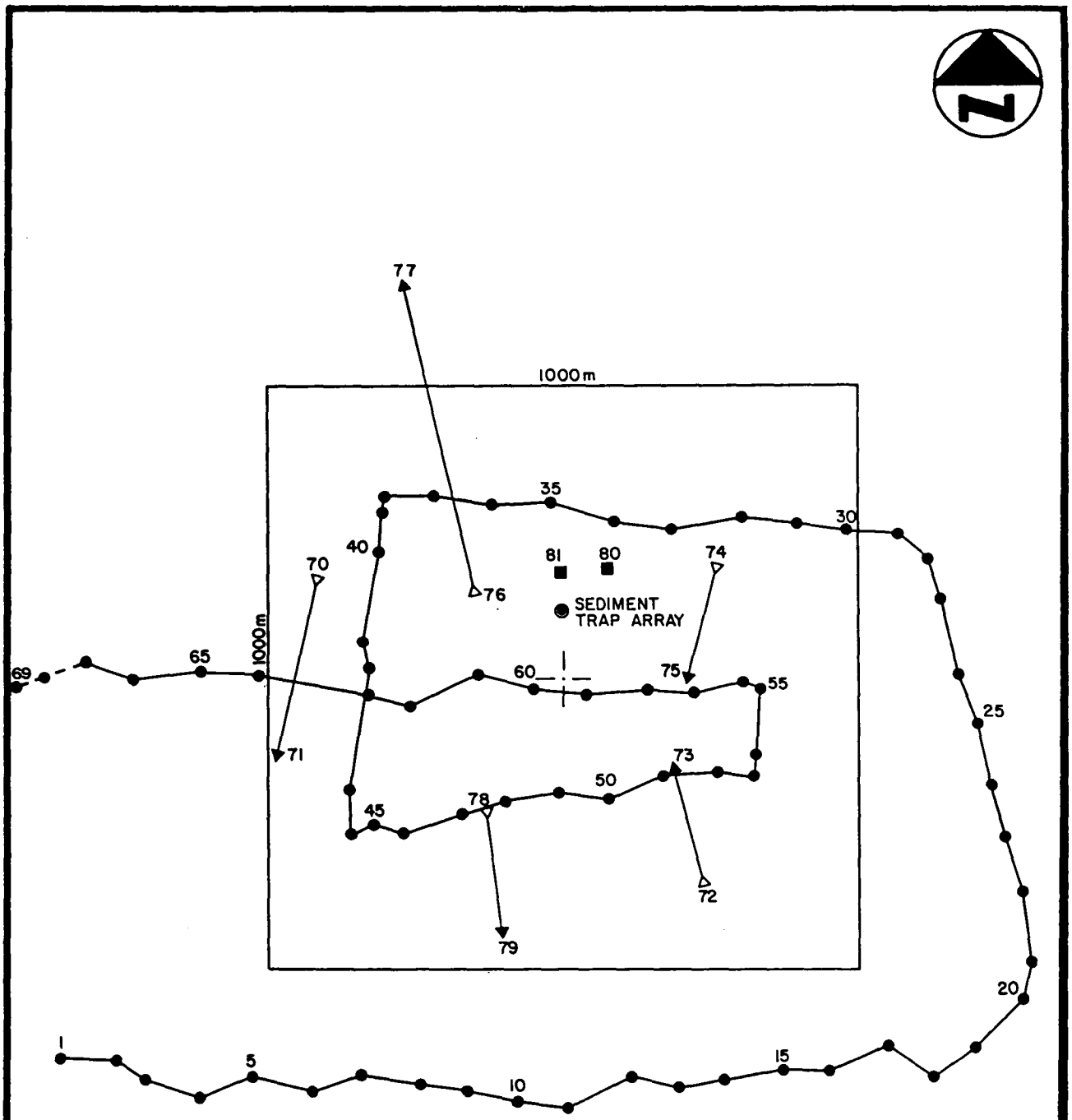
ryan instruments, inc.
A Peabody Company
P.O. Box 599
KIRKLAND, WA 98033
Telephone: 206/827-9572
TWX: 910 449 2870

APPENDIX B

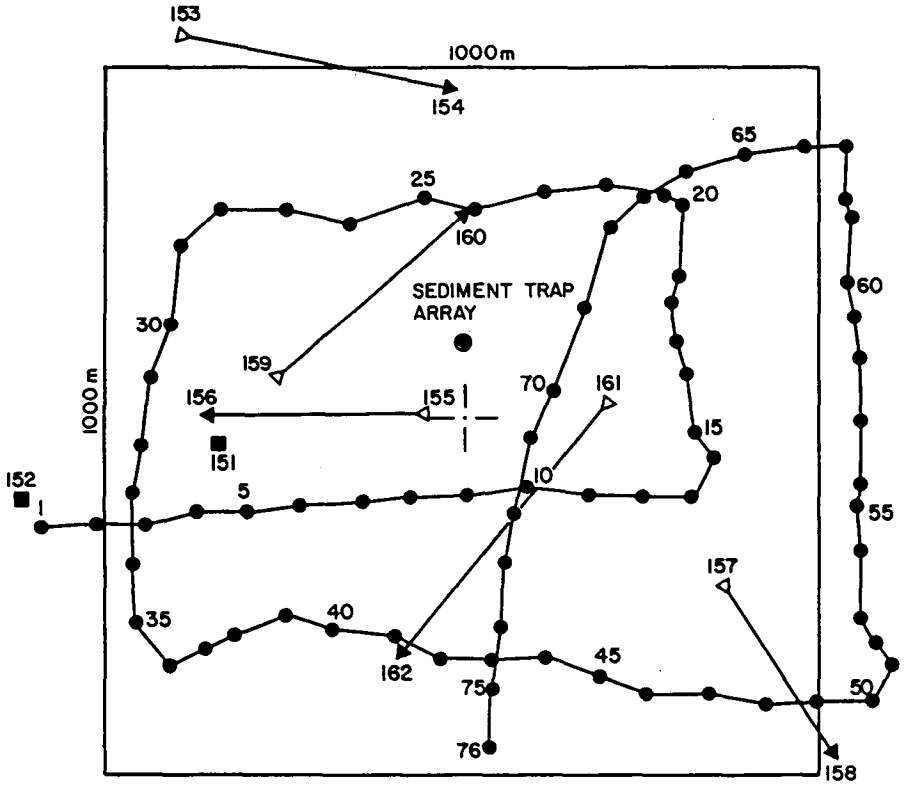
LOCATIONS OF TELEVISION/STILL CAMERA TOWS, DREDGE AND TRAWL SAMPLING, AND HYDROGRAPHIC PROFILING AT LIVE-BOTTOM STATIONS



STATION 44 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
CRUISE II



STATION 45- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
CRUISE II



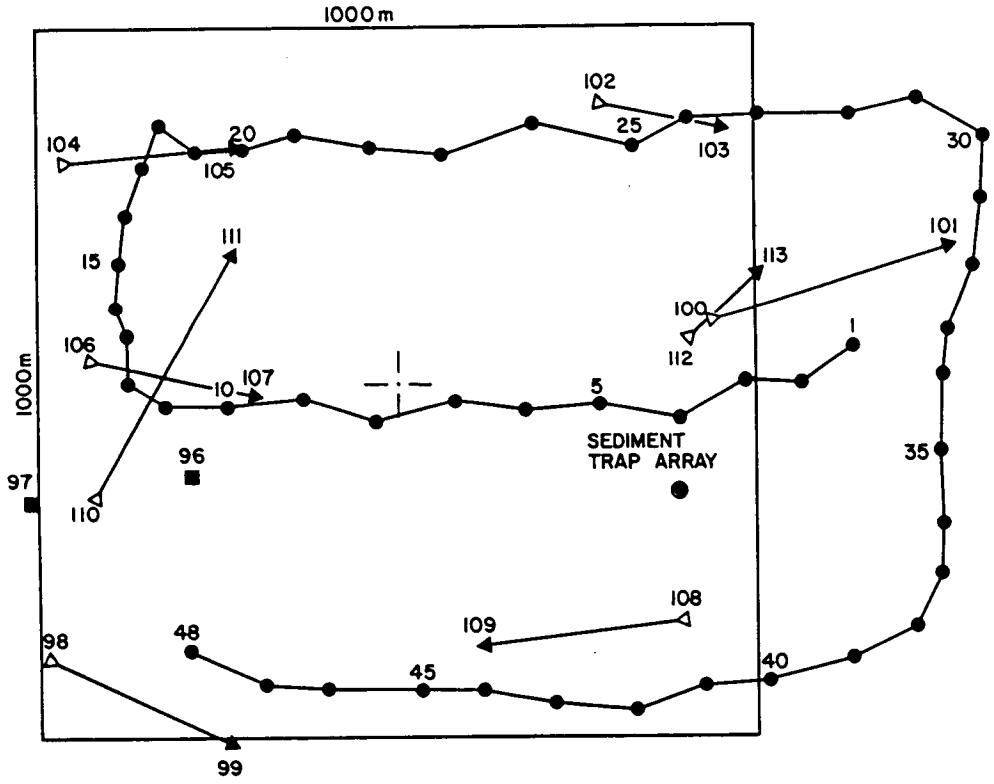
LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM

FIXMARK	EVENT
1-76	TV/STILL CAMERA LINE
151	HYDROCAST
152	TRANSMISSOMETER PROFILE
153/154	DREDGE A
155/156	DREDGE B
157/158	DREDGE C
159/160	TRAWL A (NET TORN)
161/162	TRAWL B

LAT. 25° 46.02'
LONG. 82° 06.06'

STATION 47 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
CRUISE II



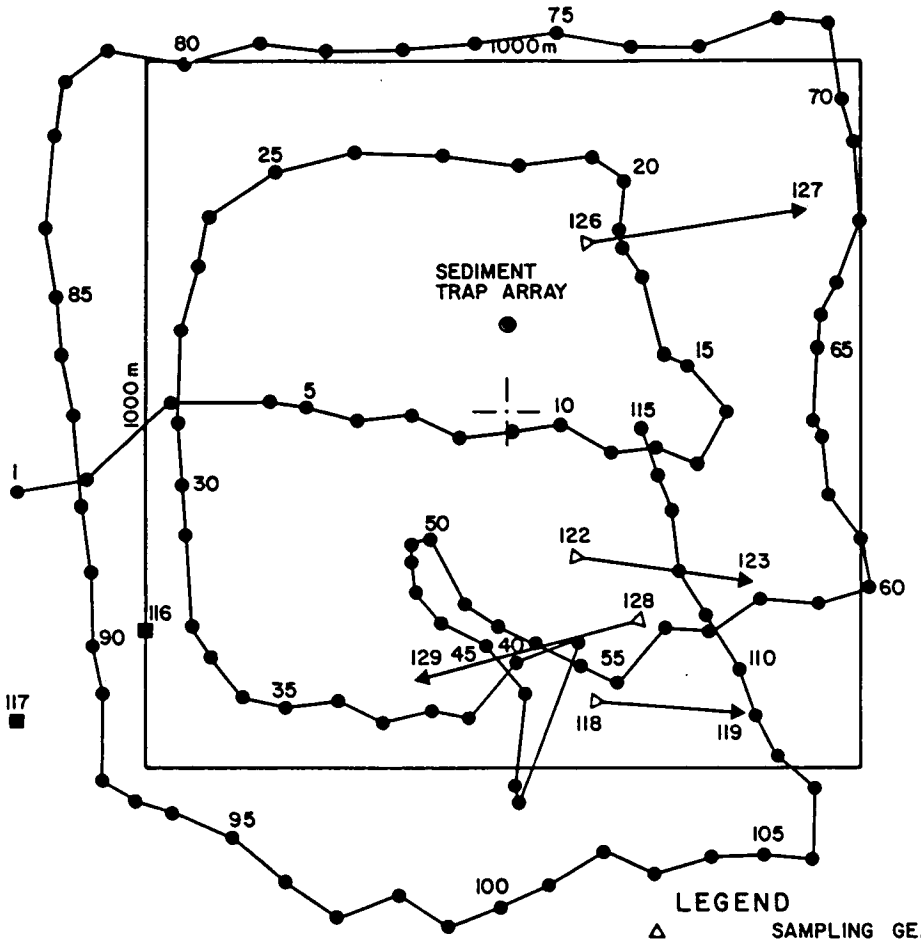
LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM

FIXMARK	EVENT
1-48	TV/STILL CAMERA LINE
96	HYDROCAST
97	TRANSMISSOMETER PROFILE
98/99	DREDGE A
100/101	DREDGE D
102/103	DREDGE E
104/105	DREDGE C
106/107	DREDGE B
108/109	DREDGE F
110/111	TRAWL A
112/113	TRAWL B

LAT. 25° 17.67'
LONG. 81° 48.00'

STATION 51- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
CRUISE II



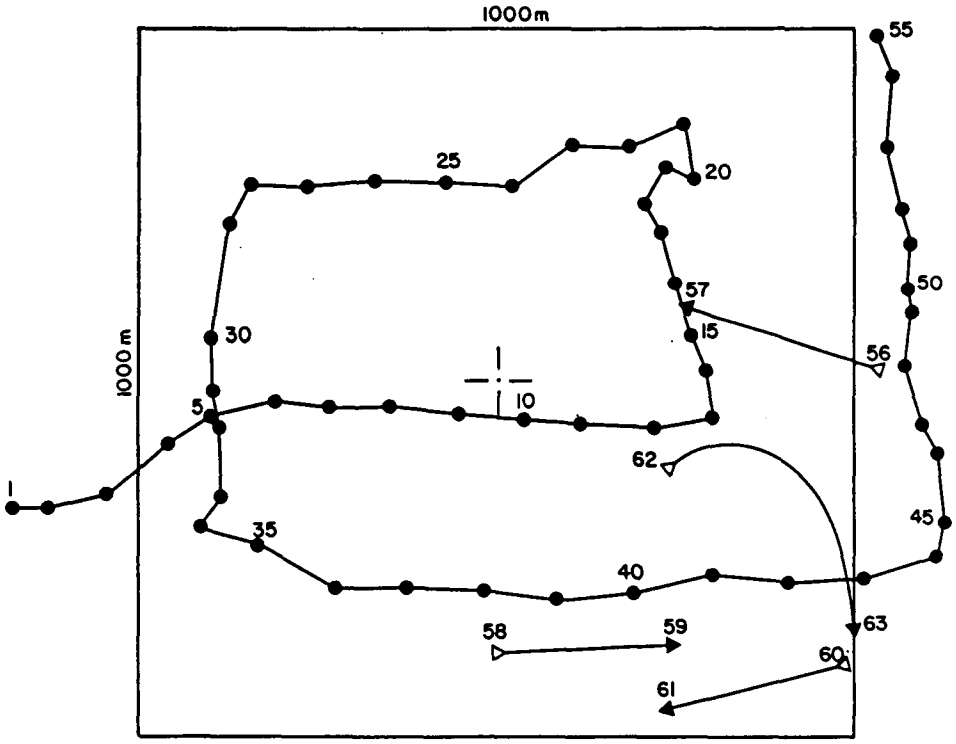
LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM

FIXMARK	EVENT
1–115	TV/STILL CAMERA LINE
116	HYDROCAST
117	TRANSMISSOMETER PROFILE
118/119	DREDGE A
122/123	DREDGE B
126/127	DREDGE C
128/129	TRAWL A

LAT. 25° 17.80'
LONG. 81° 39.80'

STATION 52- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
CRUISE II (NIGHT)



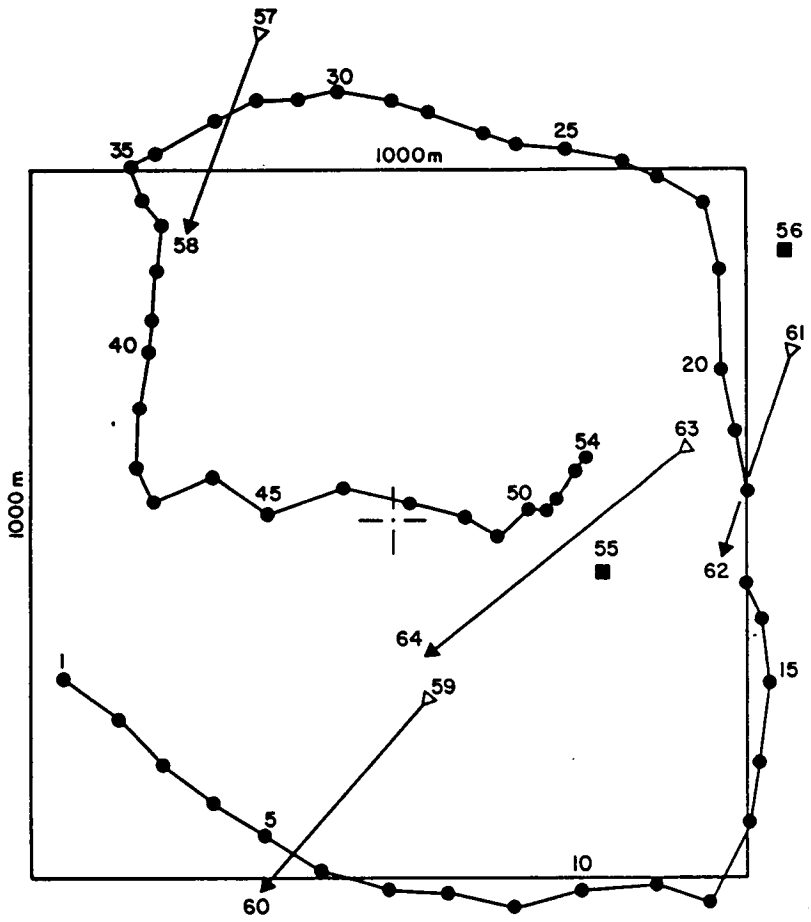
LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM

FIXMARK	EVENT
1-55	TV/STILL CAMERA LINE
56/57	DREDGE D
58/59	DREDGE E
60/61	DREDGE F
62/63	TRAWL B

LAT. 25° 17.80'
LONG. 81° 39.80'

STATION 52- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
CRUISE II (DAY)



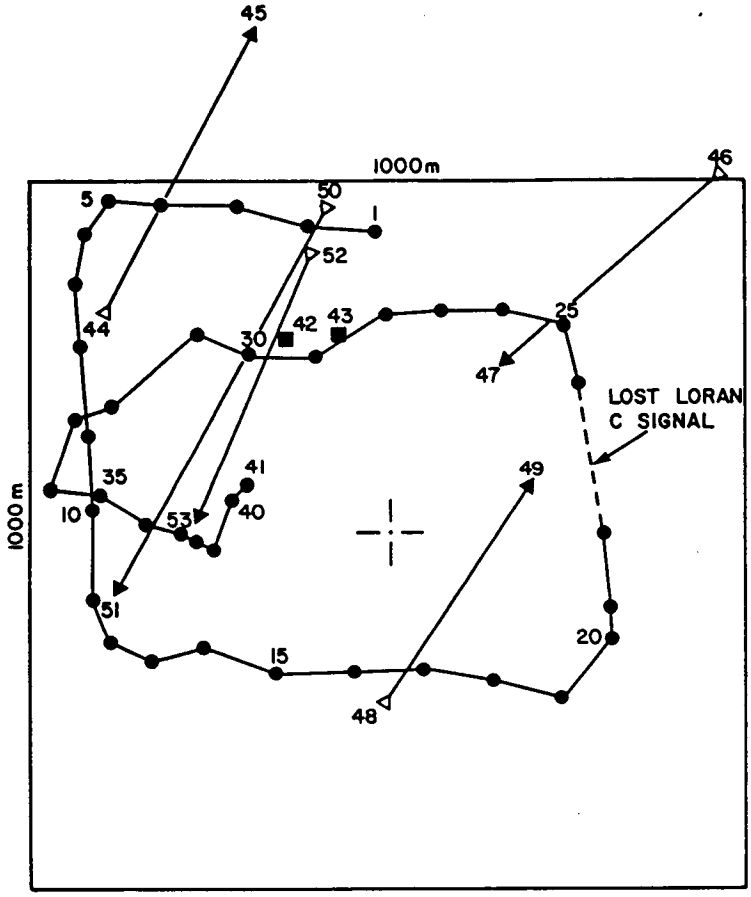
LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM

FIXMARK	EVENT
1–54	TV/STILL CAMERA LINE
55	HYDROCAST
56	TRANSMISSOMETER PROFILE
57/58	DREDGE A
59/60	DREDGE B
61/62	DREDGE C
63/64	TRAWL A

LAT. 26° 17.86'
LONG. 82° 12.61'

STATION 44- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS CRUISE III

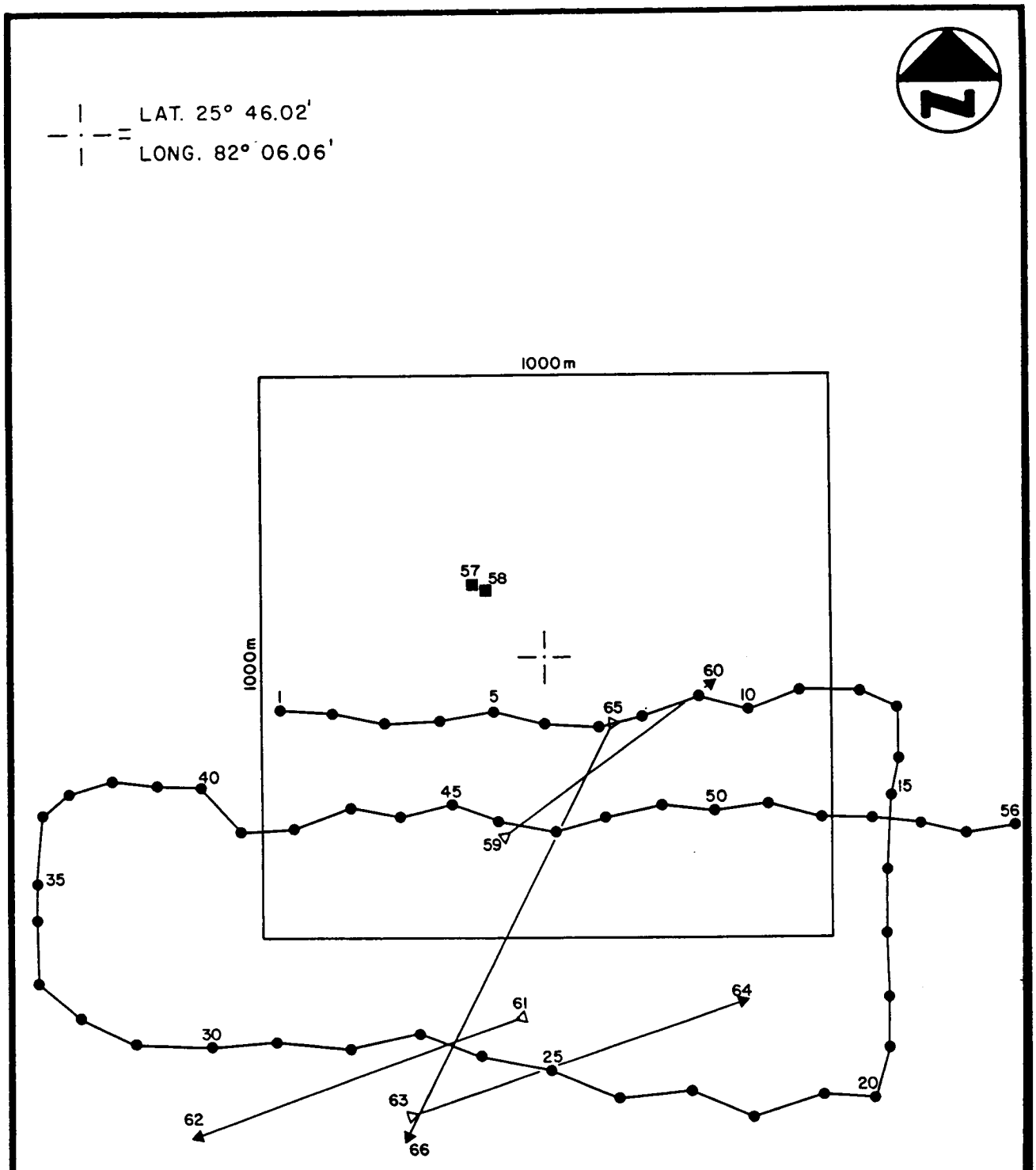


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-41	TV/STILL CAMERA LINE
42	HYDROCAST
43	TRANSMISSOMETER PROFILE
44/45	DREDGE A
46/47	DREDGE B
48/49	DREDGE C
50/51	TRAWL A (NET TORN)
52/53	DREDGE D

LAT. 26° 03.19'
LONG. 82° 08.45'

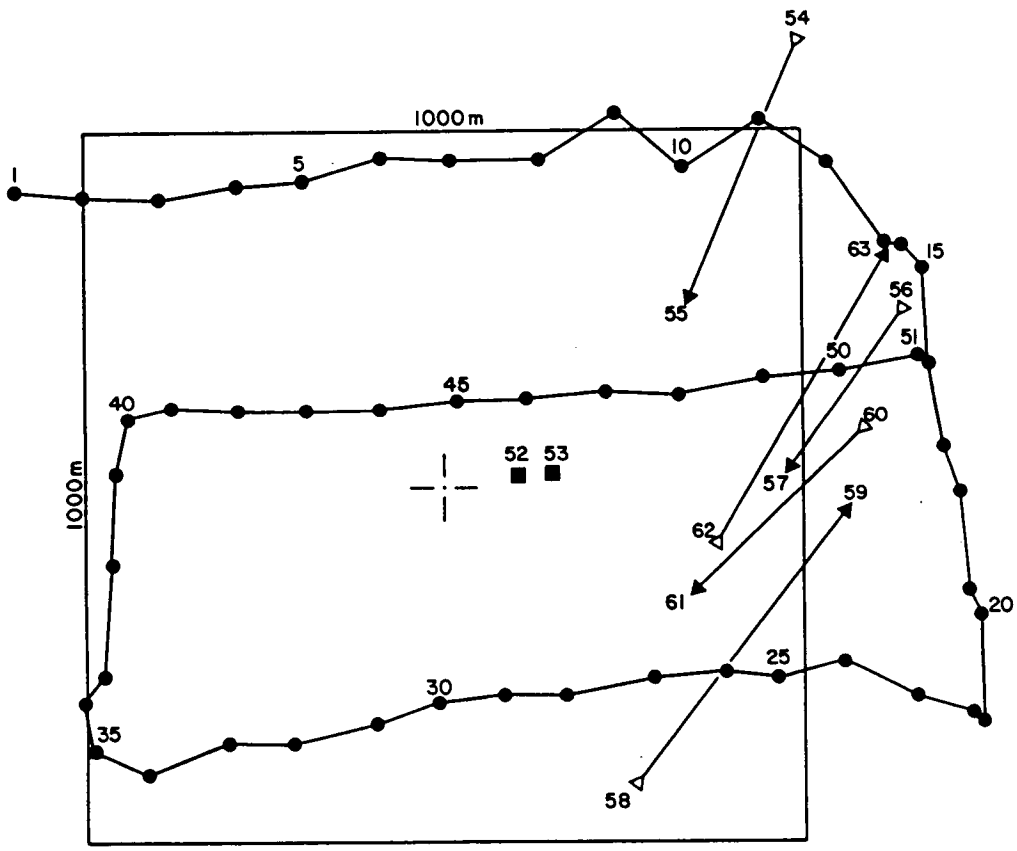
STATION 46 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS CRUISE III



LEGEND

		FIXMARK	EVENT	FIXMARK	EVENT
△	SAMPLING GEAR ON BOTTOM	1-56	TV/STILL CAMERA LINE	59/60	DREDGE A
		57	HYDROCAST	61/62	DREDGE B
▲	SAMPLING GEAR OFF BOTTOM	58	TRANSMISSOMETER PROFILE	63/64 65/66	DREDGE C TRAWL A

STATION 47- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
CRUISE III

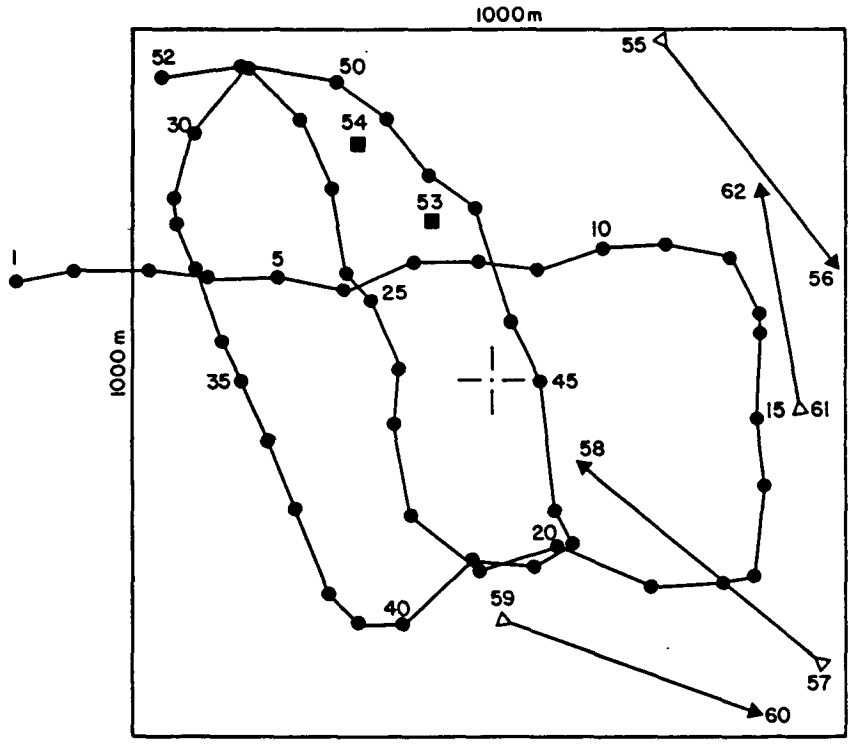


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-51	TV/STILL CAMERA LINE
52	HYDROCAST
53	TRANSMISSOMETER PROFILE
54/55	DREDGE A
56/57	DREDGE B
58/59	DREDGE C
60/61	TRAWL A (NET TORN)
62/63	TRAWL B

LAT. 25° 17.67'
LONG. 81° 48.00'

STATION 51 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
CRUISE III



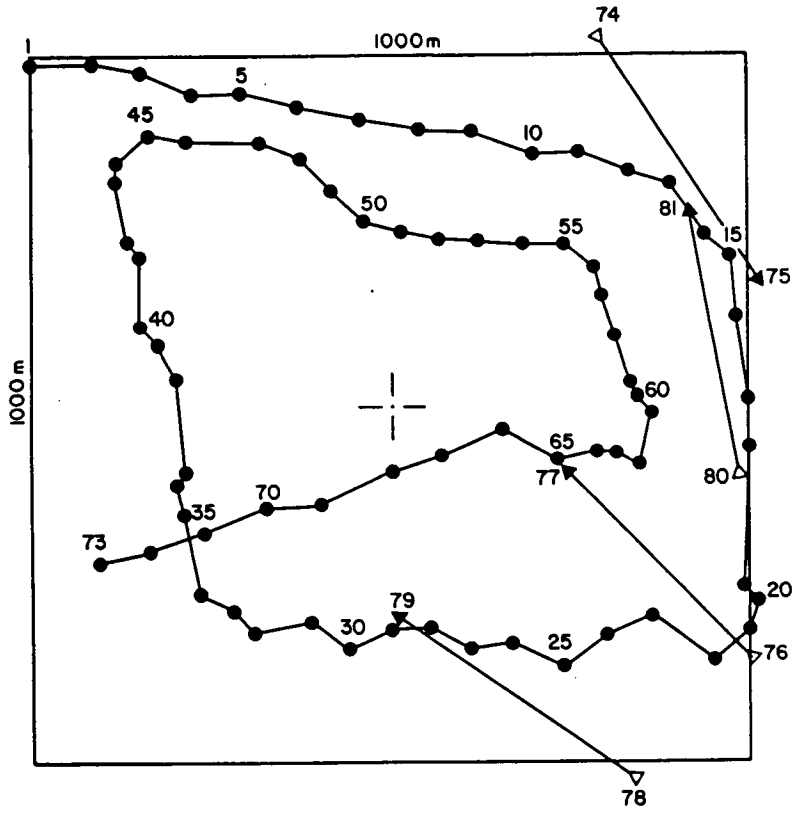
LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM

FIXMARK	EVENT
1-52	TV/STILL CAMERA LINE
53	HYDROCAST
54	TRANSMISSOMETER PROFILE
55/56	DREDGE A
57/58	DREDGE B
59/60	DREDGE C
61/62	TRAWL A

LAT. 25° 17.80'
LONG. 81° 39.80'

STATION 52- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
CRUISE III (NIGHT)



LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM

FIXMARK	EVENT
1-73	TV/STILL CAMERA LINE
74/75	DREDGE D
76/77	DREDGE E
78/79	DREDGE F
80/81	TRAWL B

LAT. 25° 17.80'
LONG. 81° 39.80'

STATION 52- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
CRUISE III (DAY)

APPENDIX C

COLLECTION DATES AND TIMES FOR BIOLOGICAL SAMPLES

LIST OF TABLES

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C.3	COLLECTION DATES AND TIMES FOR TRIANGLE DREDGE SAMPLES, CRUISE II.....	C-3
C.4	COLLECTION DATES AND TIMES FOR TRIANGLE DREDGE SAMPLES, CRUISE III.....	C-4
C.5	COLLECTION DATES AND TIMES FOR OTTER TRAWL SAMPLES, CRUISES II AND III.....	C-5
C.6	COLLECTION DATES AND TIMES FOR DIVER-HARVESTED QUADRAT SAMPLES, CRUISE II...	C-6
C.7	COLLECTION DATES AND TIMES FOR DIVER-HARVESTED QUADRAT SAMPLES, CRUISE III..	C-7

TABLE C.1. COLLECTION DATES AND TIMES FOR BOX CORE INFAUNAL SAMPLES, CRUISE 11.

Station	Date	Time of Day
40	4 Dec 1982	1020
41	4 Dec 1982	1350
42	4 Dec 1982	1642
43	15 Dec 1982	1443
46	7 Dec 1982	1225
48	7 Dec 1982	1507
49	12 Dec 1982	0840
50	8 Dec 1982	1525
52(A)*	10 Dec 1982	1335
52(B)*	10 Dec 1982	1145
52(C)*	10 Dec 1982	1445
52(D)*	10 Dec 1982	1540
52(E)*	10 Dec 1982	1640
52(F)*	11 Dec 1982	1620
53	8 Dec 1982	1220
54	8 Dec 1982	0905

Cruise 11: 4 to 15 December 1982.

*At Station 52, sets of samples were collected within a live-bottom area (A) and at distances of 5 m (B), 8 m (C and D), 30 m (E), and 75 m (F) from the live-bottom area.

TABLE C.2. COLLECTION DATES AND TIMES FOR BOX CORE INFAUNAL SAMPLES, CRUISE III.

Station	Date	Time of Day
40	30 May 1983	0850
41	30 May 1983	1125
42	30 May 1983	1550
43	30 May 1983	1725
46	1 Jun 1983	1845
48	2 Jun 1983	1510
49	2 Jun 1983	1900
50	3 Jun 1983	1620
52(A)*	4 Jun 1983	0934
52(B)*	4 Jun 1983	1205
52(C)*	4 Jun 1983	1325
52(D)*	4 Jun 1983	1435
52(E)*	4 Jun 1983	1525
53	5 Jun 1983	1417
54	5 Jun 1983	1743

Cruise III: 29 May to 8 June 1983.

*At Station 52, sets of samples were collected within a live-bottom area (B) and at distances of 5 m (C), 8 m (D), 30 m (E), and 75 m (A) from the live-bottom area.

TABLE C.3. COLLECTION DATES AND TIMES FOR TRIANGLE DREDGE SAMPLES, CRUISE II.

Station	Replicate	Date	Time of Day
44	A	5 Dec 1982	0328
	B	5 Dec 1982	0406
	C	5 Dec 1982	0432
45	A	6 Dec 1982	0323
	B	6 Dec 1982	0355
	C	6 Dec 1982	0416
47	A	7 Dec 1982	0100
	B	7 Dec 1982	0119
	C	7 Dec 1982	0143
51*	A	7 Dec 1982	2349
	B	8 Dec 1982	0231
	C	8 Dec 1982	0129
	D	8 Dec 1982	0027
	E	8 Dec 1982	0045
	F	8 Dec 1982	0311
52†	A	9 Dec 1982	0311
	B	9 Dec 1982	0322
	C	9 Dec 1982	0334
	D	9 Dec 1982	1612
	E	9 Dec 1982	1625
	F	9 Dec 1982	1649

Cruise II: 4 to 15 December 1982.

*At Station 51, dredge samples A, B, and C were collected in a seagrass/algal area and samples D, E, and F were collected in a sponge-gorgonian live-bottom area.
†Daytime and nighttime dredge samples were collected at Station 52.

TABLE C.4. COLLECTION DATES AND TIMES FOR TRIANGLE DREDGE SAMPLES, CRUISE III.

Station	Replicate	Date	Time of Day
44	A	31 May 1983	0313
	B	31 May 1983	0337
	C	31 May 1983	0359
45*	A	1 Jun 1983	0026
	B	1 Jun 1983	0045
	C	1 Jun 1983	0104
	D	1 Jun 1983	0239
47	A	2 Jun 1983	0008
	B	2 Jun 1983	0025
	C	2 Jun 1983	0045
51	A	3 Jun 1983	0301
	B	3 Jun 1983	0319
	C	3 Jun 1983	0344
52†	A	9 Jun 1983	2112
	B	9 Jun 1983	2127
	C	9 Jun 1983	2145
	D	9 Jun 1983	1624
	E	9 Jun 1983	1637
	F	9 Jun 1983	1707

Cruise III: 29 May to 8 June 1983.

*An extra dredge sample was collected at Station 45 in lieu of a trawl sample (the trawl net was ripped repeatedly on hard coral heads).
†Daytime and nighttime dredge samples were collected at Station 52.

TABLE C.5. COLLECTION DATES AND TIMES FOR OTTER TRAWL SAMPLES, CRUISES II AND III.

Cruise	Station	Replicate	Date	Time of Day
II	44	A	5 Dec 1982	2100
II	45	A	6 Dec 1982	0542
II	47	A	7 Dec 1982	0315
II	51*	A	8 Dec 1982	0353
		B	8 Dec 1982	0412
II	52†	A	9 Dec 1982	0455
		B	9 Dec 1982	1713
III	44	A	31 May 1983	0505
III	45§	No trawl sampled obtained (net ripped)		
III	47	A	2 Jun 1983	0119
III	51	A	3 Jun 1983	0520
III	52†	A	3 Jun 1983	2236
		B	4 Jun 1983	1732

Cruises II and III: 4 to 15 December 1982 and 29 May to 8 June 1983, respectively.

*At Station 51, trawl sample A was collected in a seagrass/algal area and sample B was collected in a sponge-gorgonian live-bottom area.

†Daytime and nighttime trawl samples were obtained at Station 52.

§No trawl sample was obtained at Station 45 on Cruise III due to repeated ripping of the trawl net by hard coral heads. An extra dredge sample was collected instead.

TABLE C.6. COLLECTION DATES AND TIMES FOR DIVER-HARVESTED QUADRAT SAMPLES, CRUISE 11.

Station	Quadrat Nos.	Date	Time of Day
44	1-9	5 Dec 1982	1210
	10-18	5 Dec 1982	1440
	19-32	5 Dec 1982	1640
45	1-8	6 Dec 1982	1242
	9-16	6 Dec 1982	1434
	17-24	6 Dec 1982	1604
	25-30	7 Dec 1982	0940
	31-35	7 Dec 1982	1037
47	1-8	14 Dec 1982	1500
	9-20	14 Dec 1982	1600
	21-32	15 Dec 1982	0915
	33-40	15 Dec 1982	1010
	41-44	15 Dec 1982	1100
51	1-10	11 Dec 1982	0935
	11-20	11 Dec 1982	1030
	21-30	11 Dec 1982	1140
	31-35	11 Dec 1982	1320
52	1-8	9 Dec 1982	1000
	9-17	9 Dec 1982	1110
	18-27	9 Dec 1982	1215
	28-36	10 Dec 1982	0835

Cruise 11: 4 to 15 December 1982.

TABLE C.7. COLLECTION DATES AND TIMES FOR DIVER-HARVESTED QUADRAT SAMPLES, CRUISE 111.

Station	Quadrat Nos.	Date	Time of Day
44	1-4	31 May 1983	1035
	5-8	31 May 1983	1150
	9-13	31 May 1983	1255
	14-19	31 May 1983	1405
	20-25	31 May 1983	1534
	26-30	31 May 1983	1633
	31-35	31 May 1983	1750
45	1-7	1 Jun 1983	1009
	8-13	1 Jun 1983	1120
	14-19	1 Jun 1983	1155
	20-25	1 Jun 1983	1329
	26-31	1 Jun 1983	1447
	32-36	1 Jun 1983	1610
47	1-8	2 Jun 1983	0935
	9-20	2 Jun 1983	1055
	21-32	2 Jun 1983	1205
	33-36	2 Jun 1983	1315
51	1-10	3 Jun 1983	1035
	11-21	3 Jun 1983	1145
	22-33	3 Jun 1983	1325
	34-35	3 Jun 1983	1430
52	1-13	5 Jun 1983	0835
	14-27	5 Jun 1983	1000
	28-42	5 Jun 1983	1115

Cruise 111: 29 May to 8 June 1983.

APPENDIX D

HABITAT MAPS FOR LIVE-BOTTOM STATIONS

HABITAT MAPS WERE PRODUCED FROM TELEVISION/STILL CAMERA SURVEYS AT EACH STATION DURING EACH CRUISE.

LEGEND

 = SOFT BOTTOM

 = OCCASIONAL LIVE BOTTOM

 = THIN LIVE BOTTOM

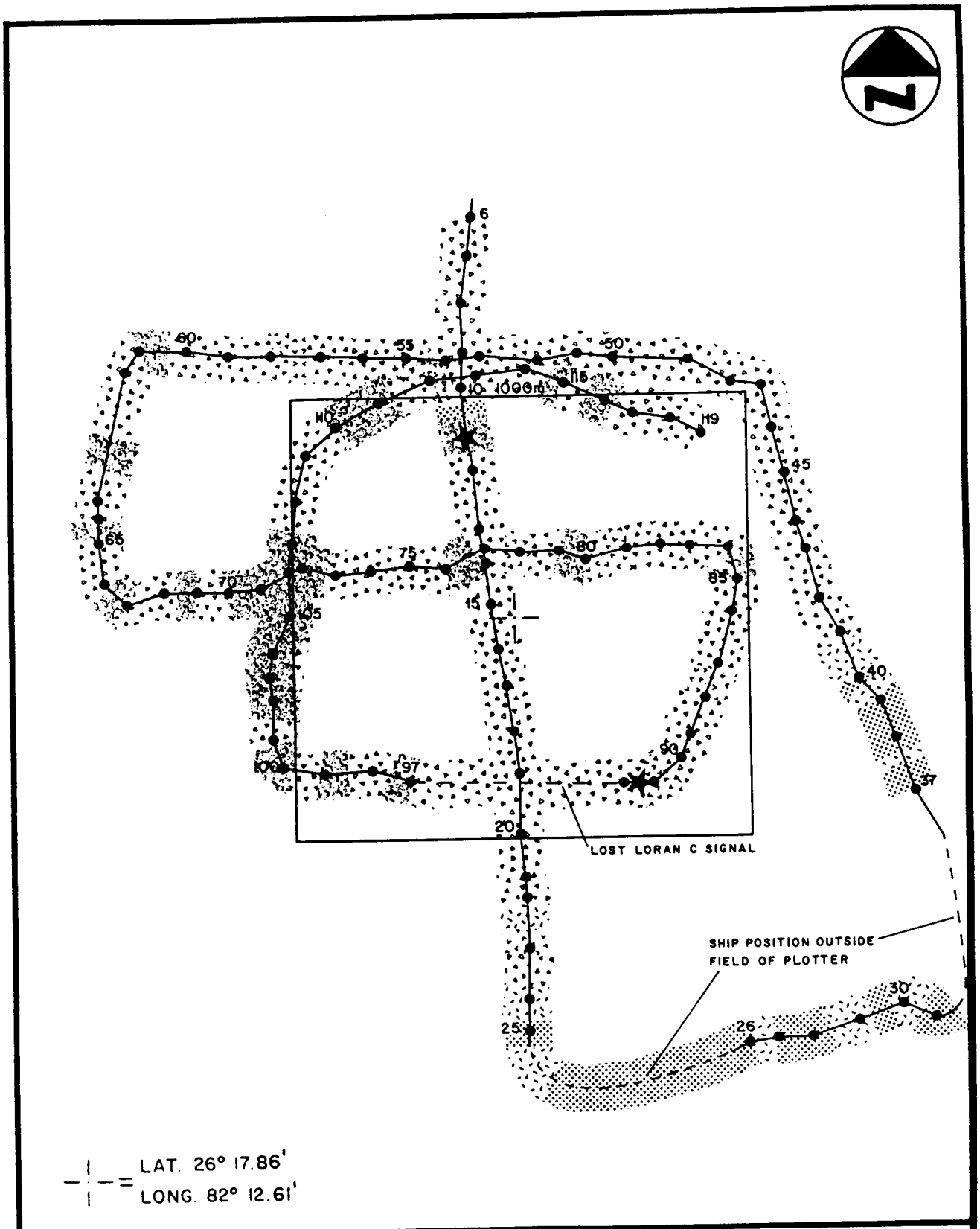
 = MEDIUM LIVE BOTTOM

 = THICK LIVE BOTTOM

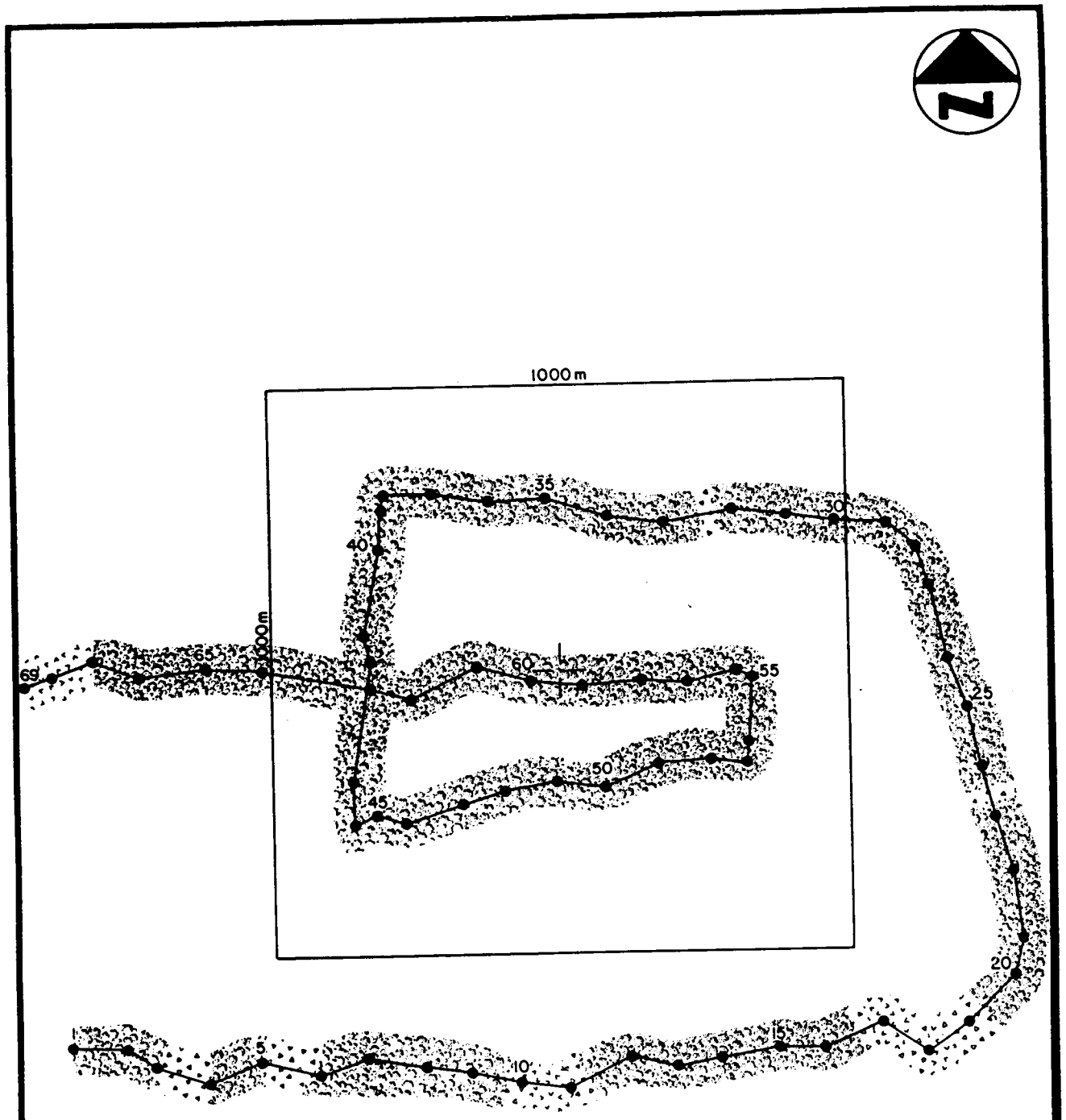
 = ALGAL/SEAGRASS AREA

 = SAND WAVES

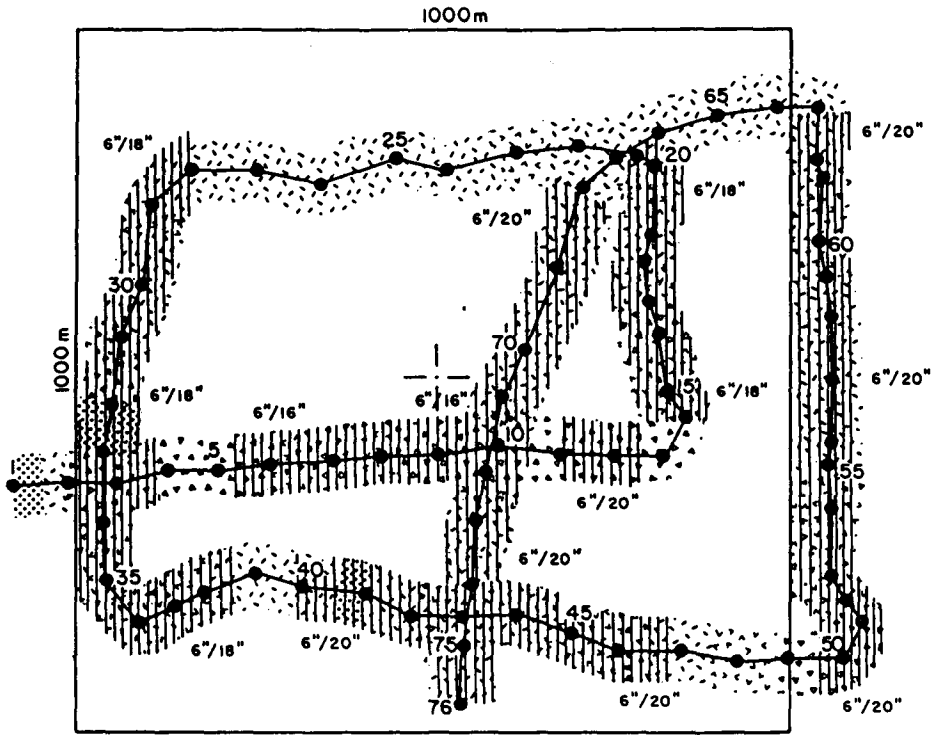
 = ROCK OUTCROP



STATION 44 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE II

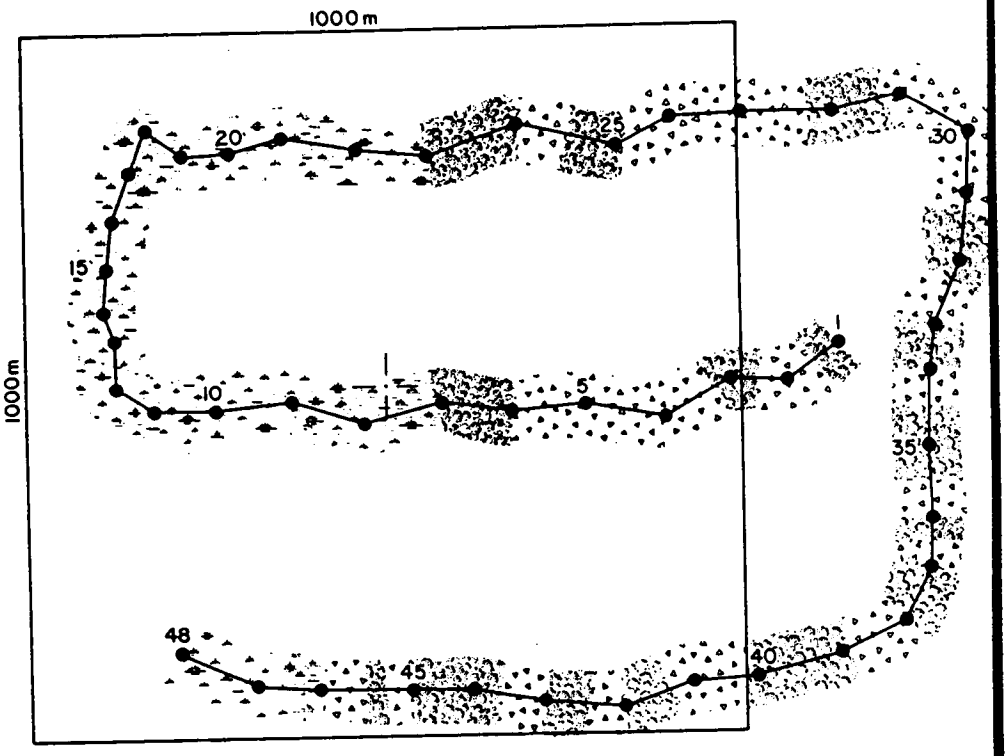


STATION 45 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE II



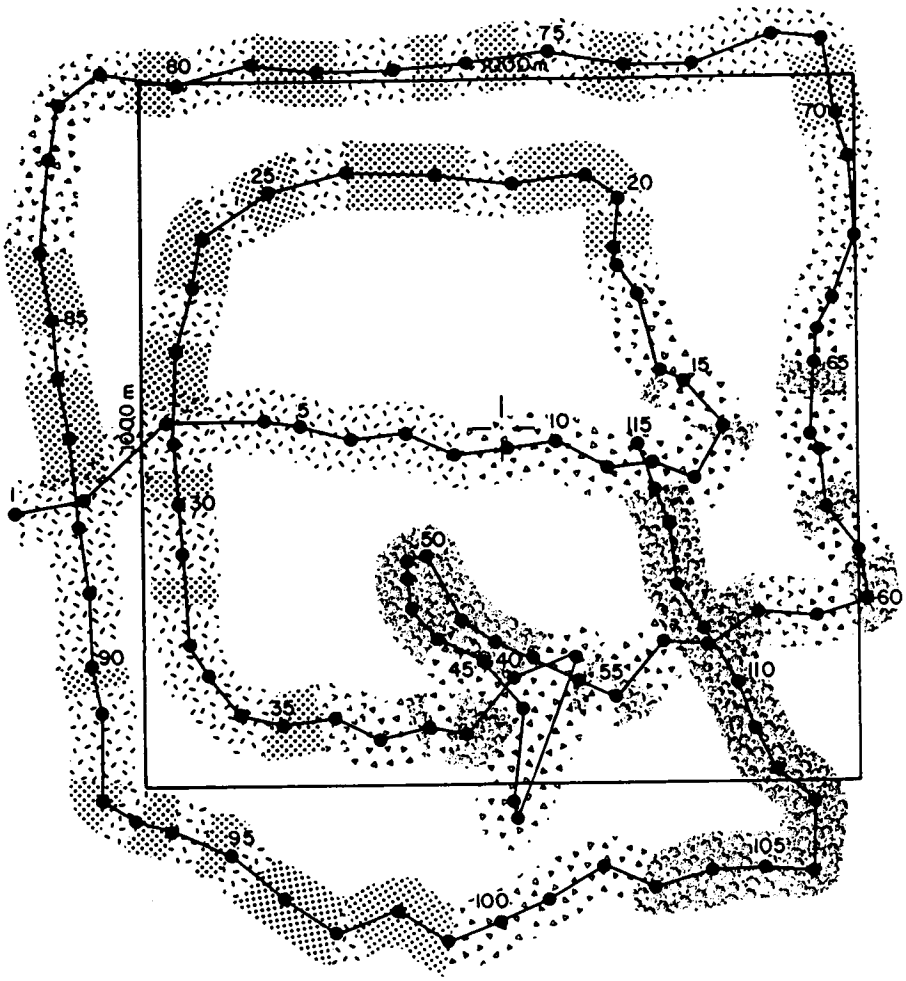
LAT. 25° 46.02'
LONG. 82° 06.06'

STATION 47 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE II



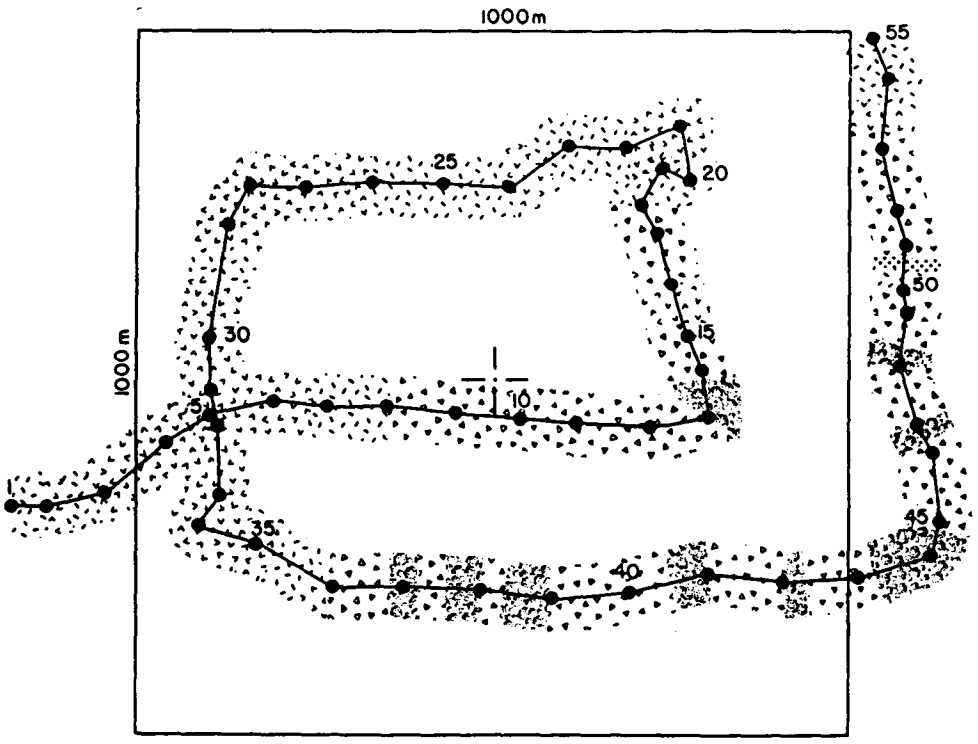
LAT. 25° 17.67'
LONG. 81° 48.00'

STATION 51 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE II



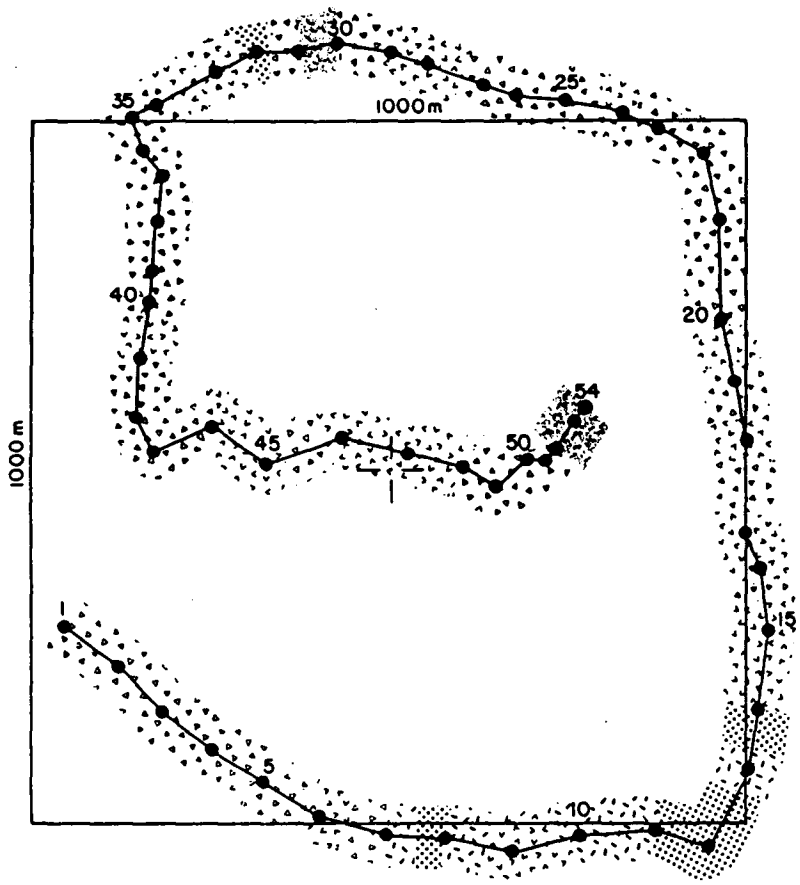
LAT. 25° 17.80'
LONG. 81° 39.80'

STATION 52 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE II (NIGHT)



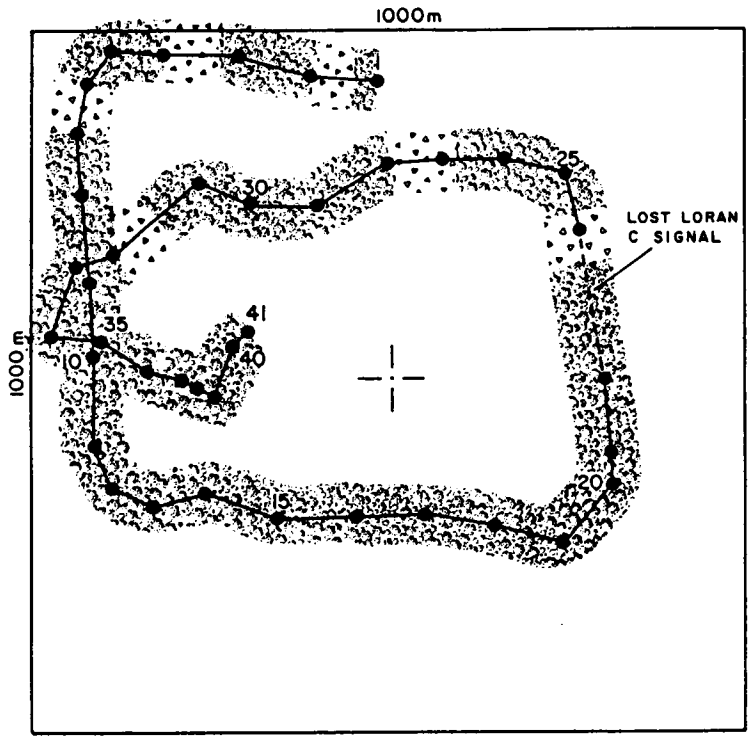
LAT. 25° 17.80'
LONG. 81° 39.80'

STATION 52 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE II (DAY)



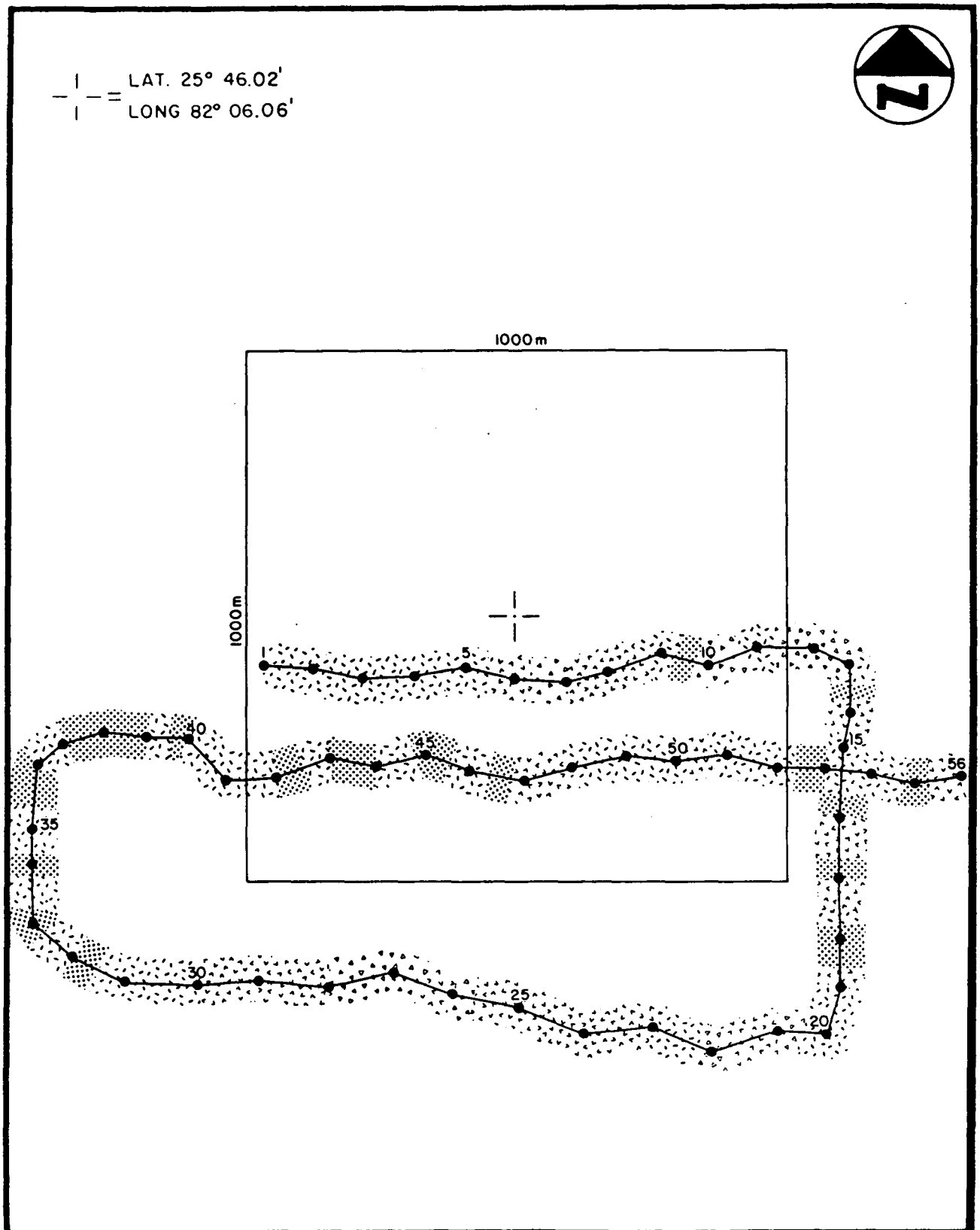
LAT. 26° 17. 86'
LONG. 82° 12.61'

STATION 44 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III

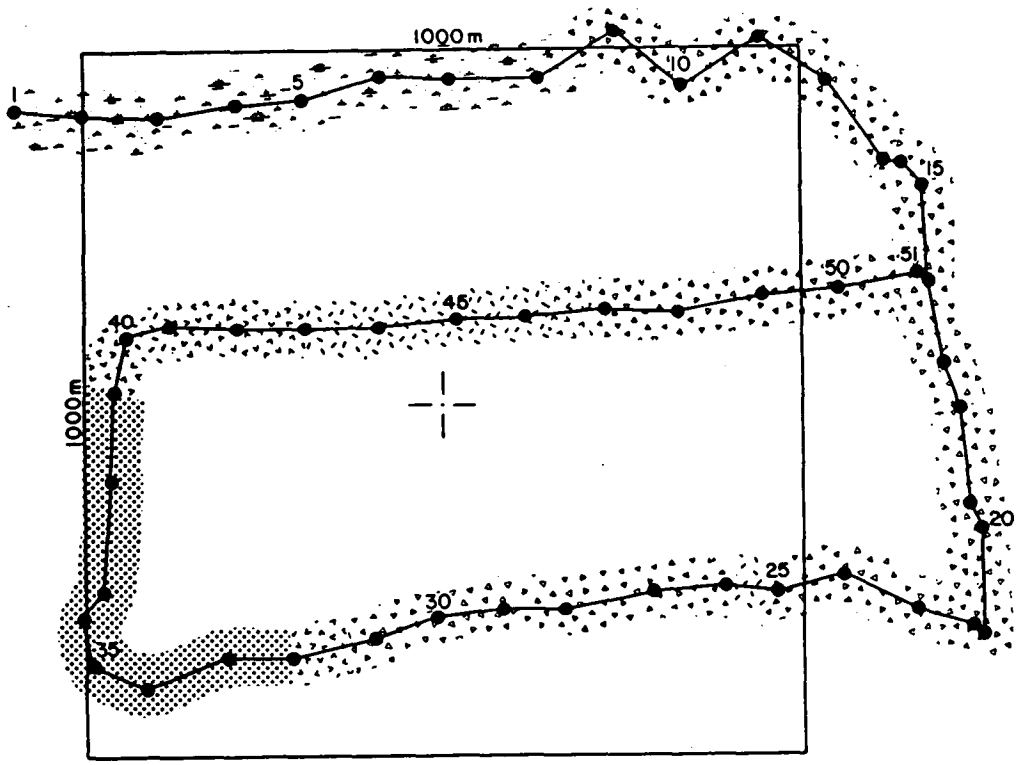


LAT. 26° 03.19'
LONG. 82° 08.45'

STATION 46 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III

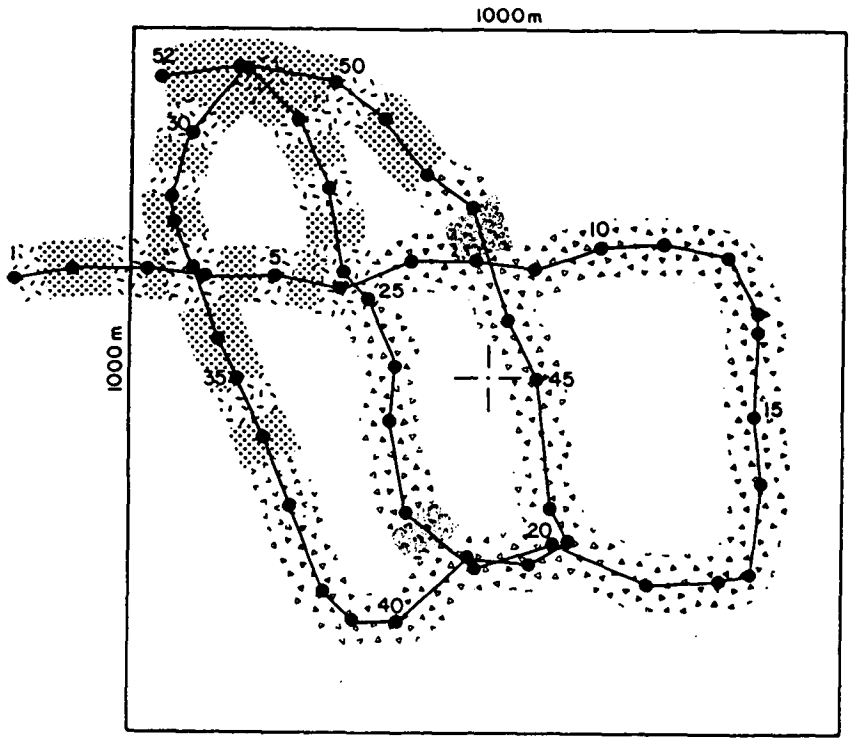


STATION 47 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III



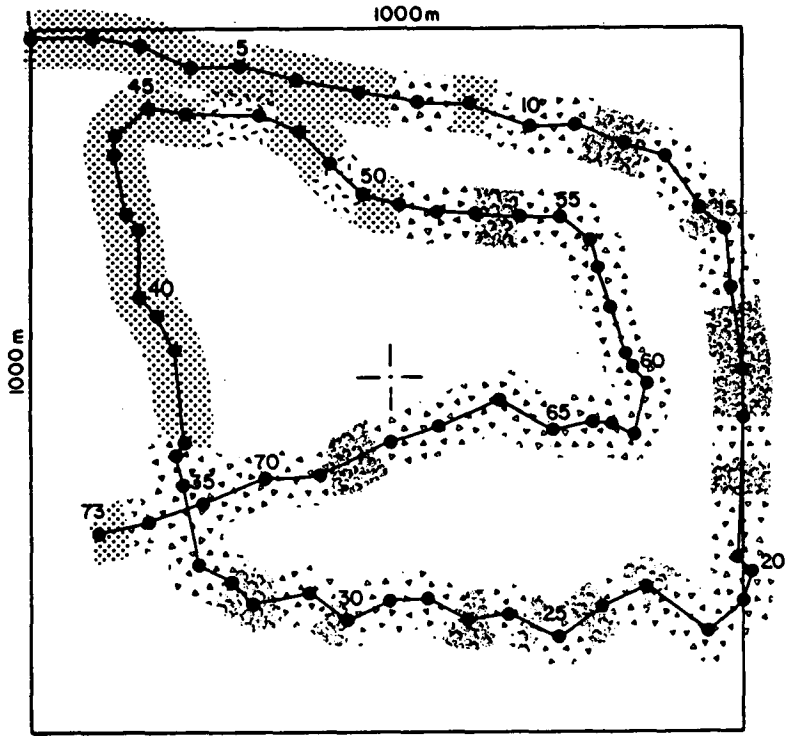
LAT. 25° 17.67'
LONG. 81° 48.00'

STATION 51 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III



LAT. 25° 17.80'
LONG. 81° 39.80'

STATION 52 – HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA – CRUISE III (NIGHT)



LAT. 25° 17.80'
LONG. 81° 39.80'

STATION 52 – HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA – CRUISE III (DAY)

APPENDIX E

QUANTITATIVE SLIDE ANALYSIS DATA

TABLE E.1. QUANTITATIVE SLIDE ANALYSIS DATA FOR STATION 44, CRUISE 11.*

Taxon	Slide 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Unidentified biota = vira	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	-	2	-	5	2	2	3	1	-	-	-	-	5	-	-
Corallinaceae	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-
Porifera	-	-	2	3	-	-	-	1	1	4	1	3	-	3	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eurypongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	1	-	-	4	-	-	-	-	-	-	3	-	2	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halichondria melanadocia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	1	-	-	4	-	-	-	-	-
Timea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Laxosuberites coerulea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tethya sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myriastra kallitetilla	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Axinella spp.	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-
Homaxinella weltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Higginsia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-hydroida	15	10	-	2	-	-	-	1	-	-	-	-	2	-	-
Carejoa riisei	3	-	-	5	1	-	2	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	5	2	-	2	2	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea laxa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lophogorgia sp.	-	-	13	-	2	-	-	-	-	-	-	-	-	6	3
Leptogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	4	-	-	1
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
Zoantharia-Scleractinia	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Stephanocoenia michelinii	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Porites sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ectoprocta	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-
Amathia convoluta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asteriodea	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	5	3	-	-	-	-	-	-
Ophiothricidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiothrix suensonii	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinoidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diadema antillarum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lytechinus sp.	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Lytechinus variegatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encope sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ascidiacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synodus sp.	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Monacanthus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lactophrys quadricornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	73	82	83	81	87	88	92	68	71	91	85	87	90	73	96
Rubble	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
Shell rubble	4	-	-	-	2	-	-	6	10	-	1	-	-	17	-
Rock	4	-	-	-	1	2	1	12	15	-	3	2	-	1	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	19.0	18.0	17.0	19.0	10.0	10.0	7.0	14.0	4.0	9.0	11.0	8.0	10.0	9.0	4.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.1. (CONTINUED).

Taxon	Slide														
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Unidentified biota * vira	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	1	4	4	6	-	-	-	-	2	-	2	3	-	-	2
Corallinaceae	-	-	2	1	-	2	2	-	-	-	-	-	-	1	-
Porifera	1	11	2	3	2	1	3	-	2	3	2	-	1	4	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eurypongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	2	-	7	-	-	-	-	-	-	-	-
Halichondria melanadocia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	4	-	-	-	1	-	-	1	-	-	-	-
Timea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	8	-	2	-	-	1	-	-	-	3
Laxosuberites coerulea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tethya sp.	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myriastra kallitetilla	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	1	-	-	5	-	1	-	-	-	-	-	4	2	-
Cinachyra spp.	3	-	-	-	-	-	-	-	-	2	2	-	-	1	1
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Higginsia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-hydroida	-	-	-	1	-	-	-	-	3	-	1	4	-	-	-
Carejoa riisei	-	-	-	-	2	-	-	-	-	-	4	20	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	4	-	-	-	-	-	-	-	-	-	1
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea laxa	-	-	-	-	-	3	-	-	-	-	-	-	-	-	1
Lophogorgia sp.	-	-	-	-	-	6	-	-	-	1	-	-	-	-	-
Leptogorgia sp.	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	2	4	6	-	-	2	-
Zoantharia-Scleractinia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stephanocoenia michelinii	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-
Porites sp.	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	2	-	-	-	-	2	-	-	-	-
Ectoprocta	-	-	-	-	9	-	1	-	-	-	-	-	-	-	-
Amathia convoluta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asteriodea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiothricidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiothrix suensonii	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinoidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diadema antillarum	-	-	-	-	-	-	3	-	-	1	-	-	-	-	-
Lytechinus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lytechinus variegatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encope sp.	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-
Ascidiacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	1	-	1	-	-	-	-	-	9	-	-
Osteichthyes	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Synodus sp.	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Monacanthus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lactophrys quadricornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	79	65	91	77	68	68	72	93	91	88	77	70	86	84	92
Rubble	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Shell rubble	-	4	-	-	-	-	9	-	-	-	-	-	-	1	-
Rock	12	13	1	5	3	1	-	-	-	-	1	-	-	5	-
TOTAL POINTS	100	100	100	99	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	9.0	18.0	8.0	17.2	28.0	31.0	19.0	7.0	9.0	12.0	22.0	30.0	14.0	10.0	8.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.1. (CONTINUED).

Taxon	Slide														
	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Unidentified biota = virs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanophyta	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	7	1	5	5	-	-	-	-	3	-	-	-	1	-	-
Corallinaceae	-	2	-	-	-	-	-	3	-	1	3	1	1	2	-
Porifera	1	-	-	2	1	-	-	1	6	1	1	-	4	5	-
Ircinia campana	-	-	-	-	-	3	5	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eurypongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heliciona sp.	-	-	-	-	-	5	-	-	-	-	-	-	1	-	-
Heliciona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Microciona spp.	-	-	-	1	-	-	-	-	-	-	-	-	-	3	-
Halichondria melanadocia	-	-	-	-	-	-	-	-	-	3	-	-	-	1	-
Spirastrella sp. A	-	-	-	3	-	-	-	10	-	-	-	-	2	2	-
Timea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	6	-	-	1	-	1	3	4	3	4	1	-
Laxosuberites coerulea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	6	-	-	-	-	-	7	1	4	-	-	-	11	-
Tethya sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-
Myriastra kallitetilla	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	2	-	-	-	-	-	-	-	-	-	2	-
Cinachyra spp.	2	1	-	-	-	-	-	-	5	1	1	-	2	2	-
Axinellidae	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
Axinella spp.	-	-	-	2	-	-	2	-	-	-	-	-	-	4	-
Homaxinella weltonsmithi	-	-	-	-	-	-	-	-	1	-	2	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	2	5	-	-	-	-
Higginsia sp.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-hydroida	-	-	-	-	1	-	-	-	-	7	2	-	-	-	-
Carajoa risei	-	-	-	-	3	1	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	4	-	5	2	-	-	2	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea laxa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lophogorgia sp.	2	-	7	-	-	3	4	15	-	4	-	-	-	-	-
Leptogorgia sp.	-	-	1	3	-	4	-	9	-	-	-	-	-	5	-
Pseudopterogorgia sp.	-	-	-	-	-	9	-	-	-	4	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Zoantharia-Sclerectinia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stephanocoenia michelinii	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Siderastrea radians	-	-	-	-e	-	-	-	1	2	-	1	-	1	-	-
Porites sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Solenastrea hyades	-	-	-	-	1	-	-	-	-	-	-	4	-	-	-
Ectoprocta	-	-	-	-	1	-	-	1	2	-	-	-	-	-	-
Amathia convoluta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asteriodea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiothricidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiothrix suensonii	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-
Echinoidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diadema antillarum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lytechinus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lytechinus variegatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encope sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ascidiacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Clavelina gigantea	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synodus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monacanthus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lactophrys quadricornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	85	90	87	69	88	73	87	38	67	65	75	91	71	29	87
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shell rubble	-	-	-	4	-	1	-	-	2	-	-	1	3	-	-
Rock	-	-	-	-	5	-	-	10	7	-	-	-	10	21	10
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	15.0	10.0	13.0	27.0	7.0	26.0	13.0	52.0	24.0	35.0	25.0	8.0	16.0	50.0	3.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.1. (CONTINUED).

Taxon	Slide 46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Unidentified biota = virs	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	1	-	-	-	-	-	1	-	-	-	-	-	3	-	2
Corallinaceae	-	1	4	-	-	1	3	-	-	2	4	2	1	2	-
Porifera	-	17	1	10	1	1	3	-	-	8	11	1	-	-	1
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euryspongia rosea	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	2	-	-	-	-	-	-	-	3	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halichondria melanadocia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	5	6	-	-	-	-	-	-	1	2	-	-	-
Timea sp.	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	6	4	2	-	1	1	1	-	1	-	-	4	-
Laxosuberites coerulea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	12	2	-	-	-	-	-	-	7	4	-	-	-	-
Tethya sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolesis lithophaga	-	2	13	-	-	-	-	-	-	-	-	-	-	-	-
Myriastra kallitetilla	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	3	-	6	-	-	4	-	3	-	-	-	-	-	2	-
Cinachyra spp.	-	2	-	-	2	1	-	-	-	5	1	-	-	-	3
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Higginsia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-hydroida	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Carajoa risei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Plexauridae	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea laxa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lophogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	7	-	5
Leptogorgia sp.	-	-	-	-	3	-	-	-	-	-	-	4	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	44	13	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zoantharia-Scleractinia	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Stephenocoenia michelinii	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	1	-	-	-	-	-	4	1	1	-	-	-
Porites sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	3	-	-	-	1	-	-	-	2
Ectoprocta	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Amathia convoluta	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Asteriodea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	5	5	-	-	-	-	-	-	-	-	-
Ophiothricidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiothrix suensonii	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinoidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diadema antillarum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lytechinus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lytechinus variegatus	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Encope sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ascidiacea	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Synodus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monacanthus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lactophrys quadricornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	72	59	35	74	86	85	79	52	82	36	40	75	84	87	86
Rubble	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Shell rubble	-	1	-	-	-	-	-	-	-	-	1	-	5	-	1
Rock	10	2	25	5	-	-	-	-	-	38	31	12	-	4	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	18.0	35.0	40.0	21.0	14.0	15.0	21.0	48.0	18.0	26.0	28.0	13.0	11.0	9.0	13.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.1. (CONTINUED).

Taxon	Slide														
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Unidentified biota = virs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanophyta	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	-	4	-	-	-	-	-	-	-	-	-	1	-	-	-
Corallinaceae	-	-	-	-	2	-	1	2	-	-	-	2	1	-	-
Porifera	-	4	-	2	1	3	5	-	-	-	-	-	11	-	1
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eurypongia rosea	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	4	-	-	14	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3
Halichondria melanadocia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	1	-	1	5	-	-	-	-	-	-	-
Timea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	2	-	-	-	-	-	1	-	-	1	-
Laxosuberites coerulea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	-	-	-	-	-	6	4	-	-	1	2	1	-	5
Tethya sp.	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	6	-	-	-	-	-	-	3	-
Myriastra kallitetilla	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	1	-	-	-	4	2	-	1	-	-	1	3	-	-	-
Cinachyra spp.	2	-	-	-	-	-	-	2	-	-	1	-	-	2	-
Axinellidae	-	-	-	-	-	1	-	-	-	-	1	2	-	1	-
Axinella spp.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Pseudaxinella lunaecharta	-	-	-	-	-	3	-	-	-	-	-	2	-	1	-
Higginsia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-hydroida	-	-	-	6	-	-	-	-	7	1	-	-	-	-	-
Carejoa rilsei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea laxa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lophogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Leptogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zoantheria-Scleractinia	-	-	-	-	-	1	-	-	-	1	-	-	-	3	-
Stephanocoenia michelinii	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Porites sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ectoprocta	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Amathia convoluta	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-
Asteriodea	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-
Ophiothricidae	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-
Ophiothrix suensonii	4	-	4	-	-	-	-	-	-	5	-	-	-	-	-
Echinoidea	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Diadema antillarum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lytechinus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lytechinus variegatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encope sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ascidiacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synodus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monacanthus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lactophrys quadricornis	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Sand	84	81	94	87	85	68	69	41	93	92	82	76	49	77	85
Rubble	-	-	-	-	-	-	3	-	-	-	-	-	-	1	-
Shell rubble	4	6	-	-	-	-	-	-	-	-	-	1	3	-	-
Rock	-	1	-	3	-	22	-	28	-	-	-	8	34	-	1
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	12.0	12.0	6.0	10.0	15.0	10.0	28.0	51.0	7.0	8.0	18.0	15.0	14.0	22.0	14.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.1. (CONTINUED).

Taxon	Slide 76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
Unidentified biota - viro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-
Corallinaceae	-	1	2	-	1	-	-	6	1	8	-	2	-	1	1
Porifera	4	4	2	4	10	1	5	2	8	1	3	3	2	-	2
Ircinia campana	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Ircinia felix	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Euryspongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	5	-	-	16	-	-	5	-	-	-	-	1
Igernella notabilis	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
Microciona spp.	-	-	2	-	9	-	-	-	-	-	-	-	-	-	-
Halichondria melanadocia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	11	-	-	-	-	-	1	3	-	22
Timea sp.	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-
Anthosigmella varians	7	4	-	4	2	-	-	1	-	-	-	5	5	-	-
Laxosuberites coeruleo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	5	-	2	-	-	2	6	2	3	-	-	-	-	3	14
Tethya sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Epipolasis lithophaga	-	-	3	-	18	4	4	-	-	-	-	-	-	-	1
Myriastra kallitetilla	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2
Cinachyra spp.	1	1	-	-	-	3	-	1	-	-	-	3	-	-	-
Axinellidae	-	1	-	-	-	-	1	-	-	-	2	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monaxinella waltonsmithi	-	-	-	1	-	-	-	2	-	-	-	1	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	3	-	-	-	1	-	-	-
Higginsia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-hydroida	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-
Carajoa risei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea laxa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lophogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Leptogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	3	-	4	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zoantharia-Scleractinia	-	-	-	1	-	-	-	3	1	-	-	2	-	1	-
Stephanocoenia michelinii	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Siderastrea radians	1	1	-	1	-	-	1	1	2	-	-	2	-	-	1
Porites sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	1	-	-	-	-	-	2	-	-	-	-	-	-	1
Solenastrea hyades	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Ectoprocta	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Amathia convoluta	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-
Asteriodea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
Ophiothricidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiothrix suensonii	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinoidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diadema antillarum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lytechinus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lytechinus variegatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encope sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ascidiacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synodus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monacanthus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lactophrys quadricornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	82	82	63	65	40	75	65	75	72	77	86	64	89	86	43
Rubble	-	-	-	-	-	-	1	-	2	-	-	-	-	-	1
Shell rubble	-	-	2	-	-	-	1	-	-	1	-	-	-	-	-
Rock	-	5	6	6	6	1	-	1	10	5	-	-	-	1	10
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	101
PERCENT BIOTA	18.0	15.0	29.0	29.0	54.0	24.0	33.0	24.0	16.0	17.0	14.0	36.0	11.0	13.0	46.5

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.1. (CONTINUED).

Taxon	Slide									
	91	92	93	94	95	96	97	98	99	100
Unidentified biota - viro	-	-	-	-	-	-	-	-	-	-
Cyanophyta	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	1	-	-
Rhodophycophyta	-	1	-	10	-	13	-	14	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	-
Porifera	-	6	-	3	1	8	3	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-
Eurypongia rosea	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	2	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-
Heliclona sp.	-	-	-	-	-	-	-	-	-	-
Heliclona compressa	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	1	-	-	-	-	-	-	-
Mycale chondria molenadocia	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	8	-	-	-	-	-	-	-
Timea sp.	-	-	-	6	-	-	-	-	-	-
Anthosigmella varians	-	7	-	-	-	-	4	1	-	1
Laxosuberites coeruleo	-	2	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	-	-	-	-	-	-	-	-	-
Tethya sp.	-	-	-	-	-	-	-	-	-	-
Epipolesis lithophaga	-	-	-	-	-	-	-	-	-	-
Myriastra kallitetilla	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	1	4	-	-
Cinachyra spp.	-	-	6	1	-	-	-	-	-	-
Axinellidae	-	2	-	-	-	1	-	-	1	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	1	-	-	-	-	-	-	-	-
Higginsia sp.	-	-	-	-	-	-	-	-	-	-
Hydrozoa-hydroida	-	-	2	-	-	-	-	7	5	-
Carejoa rilsei	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-
Plexauridae	2	-	-	3	-	-	1	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	9
Muricea laxa	-	-	-	-	-	-	-	-	-	-
Lophogorgia sp.	-	-	-	-	7	-	7	-	-	-
Leptogorgia sp.	-	-	-	-	-	-	1	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	5	-	-	-	-	-	4	-	-	-
Zoantheria-Scleractinia	-	-	-	1	-	-	-	-	-	-
Stephanocoenia michelinii	-	-	-	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	-	-	-	-	-	-
Porites sp.	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-
Ectoprocta	-	-	-	-	-	-	-	-	-	-
Amathia convoluta	-	-	-	-	-	-	-	-	-	-
Asteriodea	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-
Ophiothricidae	-	-	-	-	-	-	-	-	-	-
Ophiothrix suensonii	-	-	-	-	-	-	-	-	-	-
Echinoidea	-	-	-	-	-	-	-	-	-	-
Diadema antillarum	-	-	-	-	-	-	-	-	-	-
Lytechinus sp.	-	-	-	-	-	-	-	-	-	-
Lytechinus variegatus	7	-	-	-	-	-	-	-	-	-
Encope sp.	-	-	-	-	-	-	-	-	-	-
Ascidiacea	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-
Synodus sp.	-	-	-	-	-	-	-	-	-	-
Monacanthus sp.	-	-	-	-	-	-	-	-	-	-
Lactophrys quadricornis	-	-	-	-	-	-	-	-	-	-
Sand	86	78	80	76	92	78	79	72	94	90
Rubble	-	-	-	-	-	-	-	-	-	-
Shell rubble	-	1	-	-	-	-	-	1	-	-
Rock	-	-	3	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	14.0	21.0	17.0	24.0	8.0	22.0	21.0	27.0	6.0	10.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.2. QUANTITATIVE SLIDE ANALYSIS DATA FOR STATION 45, CRUISE 11.*

Taxon	Slide														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Unidentified biota = virs	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halimeda sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	3	-	1	3	2	-	-	2	1
Porifera	10	-	1	-	3	-	-	2	-	1	10	-	2	2	4
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-
Aplysina fistularis	-	-	-	-	2	8	-	-	-	-	-	-	-	-	2
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neotibularia nolitangere	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa thispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halichondria melanadocia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	7	3	1	1	1	2	3	-	-	2	3	2	7	3	-
Spheciospongia vesparium	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	-	2	1	3	-	1
Placospongia melobesioides	-	3	-	-	-	-	5	-	4	-	7	-	-	2	-
Cliona delitrix	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Tethya sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Cinachyra spp.	-	1	-	-	-	-	2	3	2	-	1	-	3	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	2	-	-	-	-	-	-	2	-
Teichaxinella sp. A	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ptilocaulis ?spiculifer	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Hydrozoa-hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carijoa risei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Plexauridae	14	7	4	3	-	30	4	15	3	11	10	7	3	18	32
Muricea elongata	-	-	1	-	-	-	-	-	-	-	-	5	-	-	-
Muricea laxa	-	1	2	8	-	-	9	7	6	-	8	2	-	-	-
Pseudopterogorgia sp.	3	15	10	-	18	-	-	4	18	8	-	-	37	-	-
Pterogorgia guadalupensis	10	-	2	-	-	-	-	-	-	-	-	2	-	-	-
Zoantharia-Scleractinia	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Stephanocoenia michelinii	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-
Siderastrea radians	-	-	1	-	-	-	2	1	-	1	-	-	3	1	-
Porites sp.	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Porites porites	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	2	2	-	-	-	-	-	-	1	4	2	3	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scolymia lacera	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Isophyllia sp.	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Mycetophyllia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ectoprocta	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-
Echinaster sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	2	-	2	-	10	3	1	2	-	7	2	-	-	1
Gorgonocephalidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinoidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Holothuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thalassometridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ascidiacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polycarpa circumerata	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Osteichthyes	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Synodus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Equetus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	51	57	66	77	64	50	58	61	55	-	35	68	38	65	55
Rubble	2	7	6	-	-	-	-	1	-	-	-	-	1	-	-
Shell rubble	-	-	-	-	-	-	-	-	-	69	11	-	-	-	1
Algal rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	9	11	-	7	2	-	1	-	3	-	3	2
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	47.0	36.0	28.0	14.0	25.0	50.0	35.0	36.0	45.0	30.0	54.0	29.0	61.0	32.0	42.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.2. (CONTINUED).

Taxon	Slide														
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Unidentified biota = virs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halimeda sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Porifera	1	2	-	2	1	-	7	4	2	2	3	-	-	3	-
Ircinia campana	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	4	-	-	-	12	5	-	-	-	2	4	-	2	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neofibularia nolitangere	-	-	-	-	-	-	-	-	22	-	-	-	-	-	-
Ulosa thispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halichondria melanadocia	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	1	8	1	-	1	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	2	-	-	-	3	-	2	3	-	3	-	-	-
Plecospongia melobesioides	-	-	-	7	7	2	2	-	-	4	-	-	-	-	-
Cliona delitrix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tethya sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	-	-	1	4	-	-	-	-
Cinachyra spp.	2	-	-	4	-	-	-	-	-	-	-	-	-	3	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Teichaxinella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ptilocaulis ?spiculifer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cerajoa riisei	-	-	13*	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	15	3	6	13	6	6	1	5	2	1	10	-	3	22	-
Muricea elongata	-	-	-	-	-	-	-	-	-	16	-	-	17	-	18
Muricea laxa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Pseudopterogorgia sp.	-	-	-	-	-	-	14	31	21	15	-	58	22	17	8
Pterogorgia guadalupensis	3	-	-	-	-	1	2	-	-	-	12	-	1	-	-
Zoantharia-Scleractinia	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Stephanocoenia michelinii	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Siderastrea radians	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-
Porites sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porites porites	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	2	-	-	-	-	-	-	-	3	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scolymia lacera	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Isophyllia sp.	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-
Mycetophyllia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ectoprocta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinaster sp.	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	1	-	-	-	-	3	-	1
Gorgonocephalidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinoidea	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Holothuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thalassometridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ascidiacea	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
Clavelina sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polycarpa circumcincta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synodus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Equetus sp.	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Sand	66	81	78	74	86	75	55	49	47	54	66	35	54	51	70
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shell rubble	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Algal rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	102	100	100	100
PERCENT BIOTA	29.0	19.0	22.0	26.0	14.0	25.0	44.0	51.0	53.0	46.0	34.0	65.7	46.0	49.0	30.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.2. (CONTINUED).

Taxon	Slide 31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Unidentified biota * virs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halimeda sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Porifera	-	-	2	1	1	-	-	-	1	-	-	3	-	-	4
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	6	-	5	-	-	-	-	-	-	3	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neofibularia nolitangere	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halichondria melanadocia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	2	-	-	-	-	-	1	1	-	-	1	-	4
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	3	-	-	2	-	-	-	-	-	1	1	-	-
Placospongia melobesioides	-	-	2	-	-	-	-	-	-	-	-	-	-	-	31
Cliona delitrix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tethya sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Teichaxinella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ptilocaulis ?spiculifer	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Hydrozoa-hydroida	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2
Carijoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	20	2	-	-	25	1	-	5	18	2	14	5	-	4	-
Muricea elongata	6	6	3	-	-	-	-	-	-	-	2	3	5	-	-
Muricea laxa	-	-	-	-	11	-	-	-	4	-	-	-	-	-	-
Pseudopterogorgia sp.	-	16	9	55	-	36	56	29	-	20	-	3	12	48	-
Pterogorgia guadalupensis	4	-	-	-	-	-	-	-	3	-	-	7	-	6	-
Zoantheria-Scleractinia	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Stephanocoenia michelinii	-	-	-	1	-	-	3	-	-	-	-	-	3	-	-
Siderastrea radians	-	1	-	-	-	-	-	1	-	-	-	-	-	1	-
Porites sp.	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Porites porites	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scolymia lacera	-	-	-	-	1	-	-	-	-	2	-	1	-	-	-
Isophyllia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mycetophyllia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ectoprocta	-	-	-	-	-	-	-	1	-	-	-	-	-	-	4
Echinaster sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	1	3	-	-	5	-	-	-	-	3	5	2	3	7	-
Gorgonocephalidae	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Echinoidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Holothuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thalassometridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ascidiacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polycarpa circumerata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synodus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Equetus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	56	69	47	38	57	35	36	58	67	39	64	60	45	29	35
Rubble	-	1	-	-	-	-	-	2	-	-	3	3	-	-	4
Shell rubble	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Algal rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	2	-	23	5	-	24	2	4	4	30	10	9	28	-	13
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	39.0	30.0	30.0	57.0	43.0	41.0	62.0	36.0	29.0	31.0	23.0	28.0	27.0	71.0	48.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.2. (CONTINUED).

Taxon	Slide 46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Unidentified biota * vire	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Halimeda sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Corallinaceae	-	-	2	-	-	-	-	1	-	2	5	-	1	-	3
Porifera	-	3	1	-	1	-	-	4	-	1	-	1	-	-	1
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	2	-	-	8	-	-	-
Aplysina fistularis	1	-	-	3	-	4	-	-	-	-	1	11	-	4	-
Haliclona sp.	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	2	1	-	-	-	-	-	1	-	-	-	3
Haliclona viridis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Neofibularia nolitangere	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa thispida	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halichondria melanadocia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	1	-	-	-	-	-	-	3	1	6	4	2
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	1	-	-	-	2	-	-	1	-	1	2	2
Placospongia melobesioides	-	-	-	-	1	-	-	2	-	4	6	-	-	2	29
Cliona delitrix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tethya sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	2	-	-	-	-	1	1	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	4	1	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-
Teichaxinella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ptilocaulis spiculifer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-hydroida	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	2	3	-	-	-	-	2	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	4	-	10	5	2	1	-	35	5	5	7	13	1	4
Muricea elongata	-	-	-	-	-	-	3	9	-	-	-	1	-	-	-
Muricea laxa	13	-	-	-	22	-	-	-	21	31	-	9	-	18	-
Pseudopterogorgia sp.	4	42	19	19	18	13	39	7	-	-	5	-	-	6	-
Pterogorgia guadalupensis	-	3	4	-	-	29	17	9	1	2	-	-	-	11	-
Zoantharia-Scleractinia	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Stephanocoenia michelinii	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-
Siderastrea radians	-	-	-	1	-	-	1	-	-	-	-	1	2	-	-
Porites sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porites porites	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	4	-	1	8	-	-	2	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scolymia lacera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophyllia sp.	-	-	-	-	-	-	2	2	-	-	-	1	-	-	-
Mycetophyllia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ectoprocta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinaster sp.	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	10	-	-	-	7	-	-	-	2	3	-	1	6	8	1
Gorgonocephalidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinoidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Holothuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thalassometridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ascidiacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polycarpa circumcincta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Synodus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Equetus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	70	36	67	47	43	52	31	55	37	43	43	52	57	34	40
Rubble	-	2	1	-	-	-	-	2	1	-	9	3	1	1	4
Shell rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Algal rubble	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-
Rock	-	1	-	1	-	-	1	-	1	6	3	-	-	6	8
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	90	100	100
PERCENT BIOTA	30.0	61.0	32.0	52.0	57.0	48.0	68.0	43.0	61.0	51.0	37.0	45.0	35.6	59.0	48.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.2. (CONTINUED).

Taxon	Slide 61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Unidentified biota - viro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halimeda sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	1	1	-	1	4	1	2	3	-	1
Porifera	-	1	2	3	-	1	1	2	-	3	-	-	-	1	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	4	-	-	-	-	5	2	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	2	-	-	-	-	2	-	-	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neofibularia nolitangere	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Halichondria melanadocia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	2	5	4	-	1	-	1	10	-	1	-	1	-	-	5
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	2	1	-	1	-	-	3	-	1	4	-	1
Plecospongia molobesioides	-	-	-	-	-	-	15	-	-	-	-	-	1	-	4
Cliona delitrix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tethya sp. A	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	1	2	2	-	-	-	-	-	1	-	-	-
Cinachyra spp.	-	-	-	-	1	-	-	-	2	-	-	-	-	-	-
Axinellidae	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	2	-	2	-	-	-	-	-
Homaxinella valtonsmithi	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-
Pseudaxinella lunaecharta	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Teichaxinella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ptilocaulis ?spiculifer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corajoa rilsei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	1	-	20	35	5	20	-	11	25	15	33	13	8	31	10
Muricea elongata	-	3	-	-	-	-	1	-	2	-	3	-	-	-	2
Muricea laxa	-	-	-	-	-	-	-	-	-	5	-	-	-	-	2
Pseudopterogorgia sp.	24	28	-	6	17	2	17	-	-	-	-	23	13	9	-
Pterogorgia guadalupensis	-	1	4	-	1	4	-	1	-	1	-	-	2	-	2
Zoantharia-Scleractinia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stephanocoenia michelinii	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea radians	-	1	-	-	-	-	1	1	-	-	-	-	1	-	4
Porites sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porites porites	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	2	-	-	-	1	-	3	1	2	-	-	5	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scolymia lacera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophyllia sp.	-	2	-	-	-	-	-	-	-	1	-	1	-	-	-
Mycetophyllia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ectoprocta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinaster sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	1	-	-	-	7	-	9	-	4	-	-	-	-
Gorgonocephalidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinoidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Holothuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thalassometridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ascidiacea	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polycarpa circumarata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synodus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Equetus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	66	56	66	50	65	61	44	62	58	58	54	55	53	51	63
Rubble	1	-	1	-	1	-	1	8	-	-	1	1	10	2	1
Shell rubble	-	-	-	-	3	2	-	-	-	-	-	-	-	-	-
Algal rubble	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Rock	-	-	-	-	2	1	8	-	-	4	2	1	-	6	2
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	33.0	44.0	33.0	50.0	29.0	36.0	47.0	30.0	42.0	38.0	45.0	42.0	37.0	41.0	34.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.2. (CONTINUED).

Taxon	Slide 76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
Unidentified biota = virs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	1	-	-	-	-	-	-	-	-	-	1	-	-	2	-
Halimeda sp.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Corallinaceae	-	3	2	-	1	3	1	-	-	1	-	1	1	5	-
Porifera	3	-	-	1	-	-	3	-	-	1	-	1	3	1	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	1	-	-	-	-	-	-	-	-	-	3	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	5	-	-	-	-	-	-	-	-	-	-	-	-	3
Haliclona viridis	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neofibularia nolitangere	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halichondria melanadocia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	1	-	6	5	-	2	6	3	-	2	1	-	-	2	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Anthosigmella varians	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecospongia melobesioides	1	-	-	9	3	-	6	-	-	-	2	-	-	-	7
Cliona delitrix	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-
Tethya sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolesis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	1	-	-	-	-	-	-	2	1
Axinellidae	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Axinella spp.	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Teichaxinella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ptilocaulis ?spiculifer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-hydroida	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-
Carijoa riisei	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	17	2	3	21	6	2	10	5	2	6	7	-	7	9	3
Muricea elongata	-	-	-	-	-	1	-	-	-	-	-	-	-	2	-
Muricea laxa	-	29	-	-	12	-	1	-	-	-	4	3	-	-	-
Pseudopterogorgia sp.	-	-	-	-	29	28	2	39	48	23	17	33	12	8	24
Pterogorgia guadalupensis	6	2	17	4	-	5	-	-	-	-	8	-	14	-	-
Zoantharia-Scleractinia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stephanocoenia michelinii	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	-	-	-	1	-	1	-	1	-	-	-
Porites sp.	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Porites porites	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	5	-	-	3	-	-	-	-	-	-	1	2	-	2
Solenastrea hyades	-	-	-	-	5	-	1	-	-	-	-	-	-	-	-
Scolymia lacera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Isophyllia sp.	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1
Mycetophyllia sp.	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-
Ectoprocta	-	-	-	-	1	-	-	-	-	-	-	-	-	2	-
Echinaster sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	5	1	-	-	2	-	2	-	-	-	-	6	2	-
Gorgonocephalidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinoidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Holothuroidea	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-
Thalassometridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ascidiacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina sp.	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polycarpa circumerata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synodus sp.	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-
Equetus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	55	45	59	57	39	47	55	46	49	53	52	48	31	55	47
Rubble	7	1	-	-	-	6	6	3	-	4	-	1	2	1	9
Shell rubble	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
Algal rubble	-	1	5	-	-	-	-	-	-	-	-	-	-	-	-
Rock	7	3	3	-	-	2	6	1	-	5	2	2	-	4	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	90	100	100
PERCENT BIOTA	31.0	50.0	33.0	43.0	61.0	45.0	33.0	50.0	51.0	38.0	46.0	48.0	62.2	40.0	44.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.2. (CONTINUED).

Taxon	Slide									
	91	92	93	94	95	96	97	98	99	100
Unidentified biota = vira	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	1	-	-
Halimeda sp.	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	1
Porifera	-	2	-	-	4	2	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	2	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	2	-	-	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-
Neofibularia nolitangere	-	-	-	-	-	-	-	-	-	-
Ulosa thispida	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	2	-	-
Halichondria melanadocia	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	1	1	-	3	3	1	-	-	8
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	2	-	-	2	-	-	-	-	-
Placospongia melobesioides	3	-	-	2	-	1	-	-	-	-
Cliona delitrix	-	-	-	-	-	-	-	-	-	-
Tethya sp. A	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	3	-	-	-	-	-	-
Geodia gibberosa	2	1	-	-	-	-	-	-	-	-
Cinachyra spp.	-	1	-	-	2	-	-	-	1	-
Axinellidae	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-
Teichaxinella sp. A	-	-	-	-	-	-	-	-	-	-
Ptilocaulis ?spiculifer	-	-	-	-	-	-	-	-	-	-
Hydrozoa-hydroida	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	-	-	1	-	2	15	-	3	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-
Plexauridae	4	4	26	3	8	10	15	6	10	7
Muricea elongata	-	-	-	-	3	2	-	7	-	-
Muricea laxa	-	-	-	-	-	-	-	31	-	-
Pseudopterogorgia sp.	16	24	-	31	5	4	-	-	-	18
Pterogorgia guadalupensis	3	17	3	-	-	1	-	-	9	-
Zoantharia-Scleractinia	-	-	-	-	-	-	-	-	-	-
Stephanocoenia michelinii	-	-	-	-	1	-	-	-	-	-
Siderastrea radians	-	1	1	1	-	-	-	-	-	-
Porites sp.	-	-	-	-	-	-	-	-	-	-
Porites porites	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	2	1	-	8	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-
Scolymia lacera	-	-	-	-	-	-	-	-	-	-
Isophyllia sp.	-	-	-	-	1	-	1	-	-	-
Mycetophyllia sp.	-	-	-	-	-	-	-	-	-	-
Ectoprocta	-	-	-	16	-	2	-	-	-	-
Echinaster sp.	-	-	-	-	-	3	-	-	-	-
Ophiuroidea	2	3	3	-	-	-	4	8	3	-
Gorgonocephalidae	-	-	-	-	-	-	-	-	-	-
Echinoidea	-	-	-	-	-	-	-	-	-	-
Holothuroidea	-	-	-	-	-	-	-	-	-	-
Thalassometridae	-	-	-	-	-	1	-	-	-	-
Ascidiacea	-	-	-	-	-	-	-	-	-	-
Clavelina sp.	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	2	-	-	-
Polycarpa circumerata	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-
Synodus sp.	-	-	-	-	-	-	-	-	-	-
Equetus sp.	-	-	-	-	-	-	-	-	-	-
Sand	67	40	62	37	58	57	60	52	73	57
Rubble	-	-	-	-	3	-	1	-	1	-
Shell rubble	-	-	-	-	-	-	-	-	-	-
Algal rubble	-	-	-	-	-	-	1	-	-	-
Rock	3	2	1	4	2	2	-	-	-	9
TOTAL POINTS	100	100	100	100	100	90	100	107	100	100
PERCENT BIOTA	30.0	58.0	37.0	59.0	37.0	34.4	38.0	51.4	26.0	34.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.3. QUANTITATIVE SLIDE ANALYSIS DATA FOR STATION 47, CRUISE 11.*

Taxon	Slide 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Unidentified biota = vira	-	-	7	-	-	-	4	11	11	3	21	6	-	15	2
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	7	-	-	-	-	1	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dictyopteris jamaicensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sargassum sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Gracilaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	4	-	2	-	-	-	-	-	-	1	-	-	-
Jania sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halophila decipiens	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Aplysina fistularis	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Spinosella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
?Rhabdoploca sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	20	-	-	-	-	-	-	-	-	8	-	-	-	-	11
Anthosigmella varians	-	-	-	-	4	-	1	-	-	-	-	-	1	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliodada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	5	-	4	4	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	18	2	13	-	2	14	-	-	-	16	-	-	29	-	25
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penaeidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stenorhynchus seticornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ectoprocta	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-
Amathia convoluta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cupuladiidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cupuladria doma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinoidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-
Lachnolaimus maximus	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-
Symphurus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lactophrys quadricornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chilomycterus schoepfi	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Sand	52	81	76	89	82	81	75	89	79	60	27	-	61	-	62
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shell rubble	8	-	-	-	1	5	2	-	7	3	51	93	-	83	-
Algal rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	1	-	-	3	-	1	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	40.0	18.0	24.0	11.0	14.0	14.0	22.0	11.0	14.0	37.0	22.0	7.0	39.0	17.0	38.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.3. (CONTINUED).

Taxon	Slide														
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Unidentified biota = vira	8	-	-	3	8	6	4	1	-	7	5	4	-	2	8
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	2	-	-	-	-	-	-	-	8	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dictyopteris jamaicensis	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Sargassum sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gracilaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	1	1	-	-	-	1	-	-	-	-	2	-	-
Jania sp.	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Halophila decipiens	-	-	-	-	-	7	3	4	-	9	-	-	-	1	-
Porifera	-	11	-	-	-	-	-	-	1	-	-	-	-	-	-
Aplysina fistularis	-	3	2	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spinosella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
?Rhabdoploca sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	3	3	-	-	-	-	-	-	-	-	5	-	11	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliaciada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	2	-	-	-	-	8	-	-	-	-	-	-
Carejoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	49	17	-	-	-	-	-	-	14	4	13	6	35
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Penaeidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stenorhynchus seticornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ectoprocta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amathia convoluta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cupuladriidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cupuladria doma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinoidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lachnolaimus maximus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Symphurus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lactophrys quadricornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chilomycterus schoepfi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	89	76	43	65	79	87	93	93	83	84	81	87	85	77	57
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shell rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Algal rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	11.0	23.0	57.0	35.0	21.0	13.0	7.0	7.0	17.0	16.0	19.0	13.0	15.0	21.0	43.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.3. (CONTINUED).

Taxon	Slide														
	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Unidentified biota = vire	1	6	2	5	-	3	7	5	4	-	5	2	10	-	-
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Chlorophycophyta	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dictyopteris jamaicensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sargassum sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	-	-	-	-	-	5	-	-	-	-	-	-	-	-	2
Gracilaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Jania sp.	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
Halophila decipiens	1	3	-	-	-	-	3	-	-	-	-	-	9	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spinosella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
?Rhabdoploca sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	2	2	-	-	2	-	-	-	-	1	-	-	-	2
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	3	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alloclada	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	3	1	12	5	-	-	-	-	-	3	-	-	2
Carejoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	15	-	-	3	30	1	-	-	-	9	-	10	-	5	3
Pterogorgia guadalupensis	-	-	-	-	4	-	-	-	-	8	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penaeidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stenorhynchus seticornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ectoprocta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amathia convoluta	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cupuladiidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cupuladria doma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinoidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lachnolaimus maximus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Symphurus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lactophrys quadricornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chilomycterus schoepfi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	71	89	93	89	53	80	90	95	87	83	88	84	81	84	86
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Shell rubble	2	-	-	-	1	-	-	-	-	-	-	-	-	7	1
Algal rubble	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	27.0	11.0	7.0	11.0	46.0	20.0	10.0	5.0	13.0	17.0	12.0	15.0	19.0	7.0	12.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.3. (CONTINUED).

Taxon	Slide														
	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Unidentified biota = virs	-	2	3	-	-	-	5	17	-	11	10	-	7	4	10
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	4	-	1	-	-	-	-	1	-	4	-	-	-
Udotea sp.	-	-	-	-	-	-	-	2	1	-	3	-	-	3	-
Dictyopteris jamaicensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sargassum sp.	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Gracilaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-
Jania sp.	-	-	-	-	-	5	-	-	-	-	-	-	-	1	-
Halophila decipiens	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spinosella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
?Rhabdoploca sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	60	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis ithophaga	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	17	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliclada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	9	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Carejoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	14	7	-	6	-	12	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penaeidae	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Stenorhynchus seticornis	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-
Ectoprocta	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amathia convoluta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cupuladiidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cupuladria doma	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Echinoidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lachnolaimus maximus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Symphurus sp.	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Lactophrys quadricornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chilomycterus schoepfi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	67	86	7	93	96	80	94	80	98	88	87	92	91	91	90
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shell rubble	-	5	2	1	-	-	1	-	-	-	-	3	-	-	-
Algal rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	33.0	9.0	91.0	6.0	4.0	20.0	5.0	20.0	2.0	12.0	13.0	5.0	9.0	9.0	10.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.3. (CONTINUED).

Taxon	Slide														
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Unidentified biota = virs	9	1	12	8	5	15	1	-	-	1	-	-	4	-	3
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	2	-	-	-	2	1	-	3	7	-	-	-	-	-
Udotea sp.	2	-	-	-	-	2	-	-	1	2	-	-	-	-	-
Dictyopteris jamaicensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sargassum sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-
Gracilaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	1	-	2	-	2	1	3	1	3	-	-	1	3	-	1
Jania sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halophila decipiens	-	-	-	26	5	-	-	-	-	-	10	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	7	2
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spinosella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-
?Rhabdoploca sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Epipolesis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
Cinachyra alliciada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	4	-	-	-	-	8	-	3
Carejoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Plexauridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	9	-	-	-	12	-	1	6
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penaeidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stenorhynchus seticornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ectoprocta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amathia convoluta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cupuladiidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cupuladria doma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinoidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Osteichthyes	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Lachnolaimus maximus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Symphurus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lactophrys quadricornis	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Chilomycterus schoepfi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	87	90	86	66	88	80	95	86	91	87	83	58	-	76	80
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Shell rubble	-	4	-	-	-	-	-	-	-	-	-	15	85	2	-
Algal rubble	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-
Rock	1	-	-	-	-	-	-	-	-	-	-	14	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	12.0	6.0	14.0	34.0	12.0	20.0	5.0	14.0	9.0	10.0	17.0	13.0	15.0	20.0	20.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.3. (CONTINUED).

Taxon	Slide														
	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
Unidentified biota = vira	-	1	-	-	-	2	14	2	-	2	-	-	-	2	-
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	4	-	4	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dictyopteris jamaicensis	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Sargassum sp.	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Gracilaria sp.	1	-	-	-	-	-	-	9	-	-	-	-	-	-	-
Corallinaceae	-	1	1	-	-	-	4	-	-	-	-	-	3	-	-
Jania sp.	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-
Halophila decipiens	-	-	-	-	-	-	-	-	3	11	1	1	-	-	-
Porifera	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spinosella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
?Rhabdoploca sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	11	-	-	-	-	-	-	-	4	-	-
Anthosigmella varians	-	6	1	-	-	3	-	-	-	-	-	-	1	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Geodia gibberosa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliciada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	1	1	-	-	-	8	-	-	24	12	3	-	4
Carejoe riisei	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	3	-	-	1	-	-	-	-	7	-	-	-	8	8	12
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penaeidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stenorhynchus seticornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ectoprocta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amathia convoluta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cupuladriidae	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Cupuladria doma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinoidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Lachnolaimus maximus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Symphurus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lactophrys quadricornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chilomycterus schoepfi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	94	87	83	97	88	94	80	77	84	86	56	87	74	90	84
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shell rubble	1	2	2	-	-	-	2	-	5	-	-	-	-	-	-
Algal rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	5.0	9.0	15.0	3.0	12.0	6.0	18.0	23.0	11.0	14.0	44.0	13.0	26.0	10.0	16.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.3. (CONTINUED).

Taxon	Slide									
	91	92	93	94	95	96	97	98	99	100
Unidentified biota = virs	2	1	1	-	8	5	9	1	-	1
Cyanophyta	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	2	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-
Dictyopteris jamaicensis	-	3	-	-	-	-	-	-	-	-
Sargassum sp.	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	-	-	-	-	-	-	-	-	-	-
Gracilaria sp.	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	5	-	-	-	-
Jania sp.	2	-	-	-	-	-	-	-	-	-
Halophila decipiens	-	-	-	-	7	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-
Spinosella sp.	-	-	-	-	-	-	-	-	-	-
†Rhabdoploca sp.	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	10	-	-	7	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	4	-	-	-	-	1	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-
Cinachyra alliodada	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	3	-	2	-	-
Carejoa riisei	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	3	26	15	-	-	-	-	18	5	9
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-
Penaeidae	-	-	-	-	-	-	-	-	-	-
Stenorhynchus seticornis	-	-	-	-	-	-	-	-	-	-
Ectoprocta	-	-	-	-	-	-	-	-	-	-
Amathia convoluta	-	-	-	-	-	-	-	-	-	-
Cupuladiidae	-	-	-	-	-	-	-	-	-	-
Cupuladria doma	-	-	-	-	-	-	-	-	-	-
Echinoidea	-	-	2	-	-	-	-	-	-	-
Clavelina picta	-	-	6	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-
Lachnolaimus maximus	-	-	-	-	-	-	-	-	-	-
Symphurus sp.	-	-	-	-	-	-	-	-	-	-
Lactophrys quadricornis	-	-	-	-	-	-	-	-	-	-
Chilomycterus schoepfi	-	-	-	-	-	-	-	-	-	-
Sand	93	68	66	86	85	83	84	79	94	90
Rubble	-	-	-	-	-	-	-	-	-	-
Shell rubble	-	-	10	-	-	-	-	-	-	-
Algal rubble	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	4	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	7.0	32.0	24.0	14.0	15.0	13.0	16.0	21.0	6.0	10.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.4. QUANTITATIVE SLIDE ANALYSIS DATA FOR STATION 51, CRUISE 11.*

Taxon	Slide 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Unidentified biota = vira	4	2	-	6	-	-	2	1	-	2	1	1	-	1	-
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	2	1	1	1	-	-	-	-	-	-	4	3
Caulerpa sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
Halimeda sp.	7	11	-	2	-	-	-	-	-	-	1	1	4	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dictyopteris jamaicensis	3	27	29	7	20	58	39	9	-	10	4	-	1	-	-
Rhodophycophyta	-	5	-	1	1	1	-	3	-	4	2	9	-	4	19
Gracilaria sp.	-	10	-	-	-	-	-	2	-	-	-	-	2	-	-
Corallinaceae	-	-	-	-	4	-	-	-	-	1	2	-	3	-	-
Jania sp.	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-
Griffithsia sp.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Angiospermae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halophila decipiens	19	-	-	18	-	1	-	9	54	16	31	37	11	40	22
Porifera	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-
Hyattella intestinalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alloclada	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-
Campanularia marginata	-	-	-	-	-	5	-	2	-	-	-	-	-	-	-
Carejoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Discoporella umbellata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eudistoma capsulatum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	63	45	46	64	67	33	56	72	46	62	59	52	72	48	56
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shell rubble	-	-	23	-	-	-	-	-	-	-	-	-	2	-	-
Rock	-	-	-	-	7	1	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	37.0	55.0	31.0	36.0	26.0	66.0	44.0	28.0	54.0	38.0	41.0	48.0	26.0	52.0	44.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.4. (CONTINUED).

Taxon	Slide														
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Unidentified biota = virs	-	-	-	-	2	-	-	-	3	2	-	-	-	-	-
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	20	20	13	-	38	6	-	1	1	-	-	-	-
Caulerpa sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halimeda sp.	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dictyopteris jamaicensis	8	-	-	-	6	1	-	-	9	2	-	31	42	76	17
Rhodophycophyta	14	10	6	4	13	3	2	6	-	5	2	1	-	1	-
Gracilaria sp.	-	-	-	3	-	-	-	-	6	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	3	-	-	-	-	-	-	1
Jania sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Griffithsia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Angiospermae	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Halophila decipiens	15	40	33	18	15	25	8	41	16	50	49	16	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Hyattella intestinalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliclada	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella weltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Campanularia marginata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carejoa rilsei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Discoporella umbellata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eudistoma capsulatum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Didemnidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	63	42	40	55	51	71	52	41	75	40	48	52	53	22	69
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shell rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	2	1	5
TOTAL POINTS	100	100	100	100	100	100	100	100	110	100	100	100	100	100	100
PERCENT BIOTA	37.0	58.0	60.0	45.0	49.0	29.0	48.0	59.0	31.8	60.0	52.0	48.0	45.0	77.0	26.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.4. (CONTINUED).

Taxon	Slide														
	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Unidentified biota = vira	3	-	-	-	-	1	1	-	2	1	-	1	1	2	1
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caulerpa sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halimeda sp.	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dictyopteris jamaicensis	47	35	25	42	13	64	60	23	6	53	19	25	35	37	10
Rhodophycophyta	-	-	-	2	-	-	-	-	-	-	-	-	-	-	2
Gracilaria sp.	-	-	-	-	4	-	-	1	-	-	-	-	-	-	-
Corallinaceae	-	-	1	1	-	-	-	1	-	-	-	-	1	-	-
Jania sp.	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Griffithsia sp.	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-
Angiospermae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halophila decipiens	-	-	-	-	24	-	-	-	-	-	-	-	1	-	7
Porifera	-	-	-	-	-	-	3	1	-	-	-	-	-	2	-
Hyattella intestinalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Haliclona compressa	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Geodia gibberosa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliodada	-	1	-	-	-	-	-	-	1	-	-	-	-	1	2
Axinellidae	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	3	-	-	3	-	-	-	1	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Campanularia marginata	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	6	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Siderastrea radians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Discoporella umbellata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eudistoma capsulatum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnidae	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Didemnum candidum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	41	56	74	55	50	32	30	64	73	43	78	74	61	53	69
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shell rubble	-	-	-	-	-	-	-	-	9	-	1	-	-	-	-
Rock	-	2	-	-	-	1	2	10	7	-	2	-	1	-	5
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	59.0	42.0	26.0	45.0	50.0	67.0	68.0	26.0	11.0	57.0	19.0	26.0	38.0	47.0	26.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.4. (CONTINUED).

Taxon	Slide														
	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Unidentified biota = virs	-	3	1	2	-	1	-	2	2	-	3	2	-	-	-
Cyanophyta	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	5	-	1	-	-	-	-	1	-	-
Caulerpa sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halimeda sp.	-	-	-	1	10	7	10	12	5	2	3	5	-	5	-
Udotea sp.	-	-	-	-	-	1	-	2	-	-	-	-	-	-	-
Dictyopteris jamaicensis	1	38	19	7	24	5	10	19	5	9	2	-	-	19	35
Rhodophycophyta	-	3	-	3	-	16	11	13	2	-	3	-	2	2	-
Gracilaria sp.	1	-	-	-	6	-	-	-	-	-	-	9	-	5	-
Corallinaceae	-	-	-	-	-	-	-	-	1	3	-	1	-	1	-
Jania sp.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Griffithsia sp.	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Angiospermae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halophila decipiens	42	-	5	18	4	34	10	18	26	37	45	32	58	11	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hyattella intestinalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliodada	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	3	-	-	-	3	3	2	-	-	1	-
Campanularia marginata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Discoporella umbellata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eudistoma capsulatum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	52	51	75	69	45	31	59	33	53	45	42	49	39	55	37
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Shell rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	8	-	-	-	-	1	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	48.0	49.0	25.0	31.0	47.0	69.0	41.0	67.0	47.0	54.0	58.0	51.0	61.0	44.0	63.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.4. (CONTINUED).

Taxon	Slide														
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Unidentified biota = virs	-	2	-	-	-	2	-	1	3	-	-	-	-	-	-
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Caulerpa sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halimeda sp.	-	-	-	-	-	-	-	2	-	-	8	-	2	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dictyopteris jamaicensis	55	21	70	41	76	42	46	-	10	13	7	1	5	35	15
Rhodophycophyta	1	-	-	-	-	-	-	-	1	-	13	9	3	-	-
Gracilaria sp.	-	-	-	-	-	-	-	4	-	-	-	-	-	1	-
Corallinaceae	1	1	5	-	-	-	-	-	1	1	-	-	-	6	1
Jania sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Griffthsia sp.	-	-	-	-	-	-	-	1	-	-	-	-	2	-	-
Angiospermae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halophila decipiens	-	3	-	-	-	1	-	38	1	33	37	58	45	-	13
Porifera	4	1	-	1	-	1	-	-	-	-	-	-	-	-	-
Hyattella intestinalis	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	6	-	-	1	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Placospongia melobesioides	3	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Epipolasis lithophaga	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-
Geodia gibberosa	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliclada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	1	-	-	2	-	3	-	-	-	-	-	-
Campanularia marginata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	5	-	11	-	-	-	-	-	-
Siderastrea radians	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Discoporella umbellata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-
Eudistoma capsulatum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Sand	30	65	17	48	23	48	44	54	57	53	35	32	42	57	66
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shell rubble	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Rock	-	-	1	-	-	4	-	-	-	-	-	-	-	1	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	70.0	35.0	82.0	52.0	77.0	48.0	55.0	46.0	43.0	47.0	65.0	68.0	58.0	42.0	34.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.4. (CONTINUED).

Taxon	Slide														
	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
Unidentified biota = vira	1	-	1	-	-	-	-	5	-	-	-	1	1	-	-
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-
Caulerpa sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
Halimeda sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dictyopteris jamaicensis	47	58	37	-	30	36	47	55	67	36	1	82	12	22	9
Rhodophycophyta	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Gracilaria sp.	-	-	-	10	-	-	1	-	-	-	-	-	-	-	2
Corallinaceae	-	-	-	1	1	2	-	-	1	-	-	-	-	1	-
Jania sp.	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Griffithsia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Angiospermae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halophila decipiens	-	-	-	45	-	-	-	-	-	-	47	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hyattella intestinalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Spheciospongia vesparium	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-
Placospongia melobesioides	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliocieda	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	2	-	-	1	1	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	2	-	-	-	-	-	-	-	-	5	-	-	-	-	-
Campanularia marginata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	2	-	-	-	-	-	2	-	-	-	-	-	-	1	-
Pterogorgia guadalupensis	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Discoporella umbellata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eudistoma capsulatum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	46	42	49	43	26	61	49	38	26	58	52	15	81	72	65
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shell rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	54.0	58.0	51.0	57.0	74.0	39.0	51.0	62.0	74.0	42.0	48.0	85.0	19.0	26.0	35.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.4. (CONTINUED).

Taxon	Slide									
	91	92	93	94	95	96	97	98	99	100
Unidentified biota = vira	-	-	4	-	-	-	-	2	-	2
Cyanophyta	-	-	-	10	5	-	-	-	-	-
Chlorophycophyta	-	4	-	-	1	-	-	-	-	1
Caulerpa sp.	-	-	12	-	17	-	-	-	-	-
Halimeda sp.	-	-	-	9	-	1	-	-	-	-
Udotea sp.	-	-	1	3	3	1	-	-	-	-
Dictyopteris jamaicensis	1	1	-	17	5	9	-	4	9	20
Rhodophycophyta	-	7	-	1	-	-	-	-	-	-
Gracilaria sp.	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	-
Jania sp.	-	-	-	-	-	-	-	-	-	-
Griffthsia sp.	-	-	-	-	-	-	-	-	-	-
Angiospermae	-	-	-	-	-	-	-	-	-	-
Halophila decipiens	37	36	54	33	15	30	27	10	-	11
Porifera	-	-	-	-	-	-	-	-	-	-
Hyattella intestinalis	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	1	7
Placospongia melobesioides	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	12	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	1
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-
Cinachyra alliciada	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	2
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-
Campanularia marginata	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	-	-	-	-	-	12	4	-	-
Plexauridae	-	-	-	-	-	-	-	-	3	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	-	-	-	-	-	-
Discoporella umbellata	2	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	2	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-
Eudistoma capsulatum	-	-	-	-	-	-	-	-	-	-
Didemnidae	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	-	-	-	-	-	-	-
Sand	57	52	29	27	53	59	59	68	85	51
Rubble	-	-	-	-	-	-	-	-	-	-
Shell rubble	3	-	-	-	1	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	2	5
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	40.0	48.0	71.0	73.0	46.0	41.0	41.0	32.0	13.0	44.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.5. QUANTITATIVE SLIDE ANALYSIS DATA FOR STATION 52 (DAY), CRUISE 11.*

Taxon	Slide														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Unidentified biota = vira	-	7	3	1	-	1	3	4	-	-	3	-	-	3	1
Dictyopteris jamaicensis	-	38	4	6	17	50	61	29	11	24	42	28	10	34	23
Gracilaria sp.	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Botryocladia occidentalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halophila decipiens	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	4	3	-	-	-	-	-	-	-	11	-	-	-	-	3
Spongia tubulifera	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Hyattella intestinalis	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	5	3	-	-	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	1	-	-	5	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
Haliclona compressa	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neofibularia nolitangere	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	4	-	-	-	-	-	2	-	-	-	-	-
Spirastrella sp. A	-	-	-	1	-	-	3	-	-	-	-	-	-	-	1
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	2	-	-	-	-	-	-	3	-	-	-
Placospongia melobesioides	-	-	-	1	-	-	-	1	-	-	2	8	-	2	-
Tethya actinia	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alloclada	-	1	-	2	-	-	1	-	-	-	1	-	-	1	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-
Carejoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	25	11	-	-	2	20	2	-	-	-	-	2
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-
Siderastrea radians	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Celleporaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon plumieri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphoeroides spengleri	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	88	32	79	54	70	38	32	63	61	57	52	55	-	47	68
Shell rubble	8	-	-	-	-	-	-	-	-	-	-	-	90	-	-
Rock	-	11	1	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	4.0	57.0	20.0	46.0	30.0	62.0	68.0	37.0	39.0	43.0	48.0	45.0	10.0	53.0	32.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.5. (CONTINUED).

Taxon	Slide														
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Unidentified biota = vira	5	6	-	-	2	6	2	5	-	6	3	4	1	4	-
Dictyopteris jamaicensis	60	18	-	4	4	22	55	46	19	21	39	15	16	27	13
Gracilaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botryocladia occidentalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halophila decipiens	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	1	-	5	-	2	-	-	-	4	1	2	-
Spongia tubulifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hyattella intestinalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neofibularia nolitangere	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	2	-	-	-	-	-	1	3	1	2	-	-
Placospongia melobesioides	-	-	-	-	-	-	-	5	-	-	2	21	-	1	-
Tethya actinia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliocida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	1	17	-	-	-	-	-	-	-	5	12	-	-	-
Muricea elongata	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Celleporaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon plumieri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphoeroides spengleri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	35	75	77	78	70	64	34	41	20	70	41	43	79	65	79
Shell rubble	-	-	1	14	10	-	-	-	50	-	1	-	-	-	8
Rock	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	65.0	25.0	22.0	8.0	20.0	33.0	66.0	59.0	20.0	30.0	58.0	57.0	21.0	35.0	13.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.5. (CONTINUED).

Taxon	Slide														
	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Unidentified biota = vira	6	6	-	7	1	-	-	1	-	-	3	-	-	2	-
Dictyopteris jamaicensis	40	30	43	24	17	41	31	49	28	19	56	17	21	4	7
Gracilaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botryocladia occidentalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Halophila decipiens	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	3	-	-	2	7	-	-	-	-	-	-	-	1	-	-
Spongia tubulifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hyattella intestinalis	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	3	-	-	-	-	-	3	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neofibularia nolitangere	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	1	-	1	-	10	-	-	-	-	-	-	-	4	-	-
Placospongia melobesioides	1	1	17	4	2	15	-	10	-	-	2	-	5	2	7
Tethya actinia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Cinachyra spp.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliocleda	-	-	-	-	1	1	-	-	1	-	-	-	-	-	3
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	17	-	-	10	1	-	-	-	3	-	5	-
Muricea elongata	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
Siderastrea radians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Celleporaria sp.	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon plumieri	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Sphoeroides spengleri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	46	63	35	46	55	33	56	39	71	78	37	79	58	84	92
Shell rubble	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	54.0	37.0	65.0	54.0	44.0	67.0	44.0	61.0	29.0	22.0	63.0	21.0	40.0	16.0	18.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.5. (CONTINUED).

Taxon	Slide														
	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Unidentified biota = vira	-	1	3	1	-	2	3	1	-	5	1	-	-	-	-
Dictyopteris jamaicensis	78	5	14	60	19	2	5	2	16	7	6	51	-	-	-
Gracilaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botryocladia occidentalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halophila decipiens	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Porifera	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
Spongia tubulifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hyattella intestinalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Neofibularia nolitangere	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	2	-	-	-	-	-	-	-	-	1	17	-	-
Placospongia melobesioides	2	-	-	1	3	-	-	-	-	-	-	1	-	-	-
Tethya actinia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	4	-	-	1	-	2	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliocłada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	2	-	-	-	-	-	-	-	-	4	-
Axinella spp.	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	1	5	1	-	-	-	-
Carejoa riisei	-	-	-	6	-	-	-	-	-	-	-	-	-	-	2
Plexauridae	-	-	-	-	-	32	-	-	-	-	-	-	3	4	29
Muricea elongata	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Celleporaria sp.	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Haemulon plumieri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Sphoeroides spengleri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	20	87	76	32	66	63	88	68	82	83	91	47	78	92	64
Shell rubble	-	-	-	-	-	-	-	27	-	-	1	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	80.0	13.0	24.0	68.0	34.0	37.0	12.0	5.0	18.0	17.0	8.0	53.0	22.0	8.0	36.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.5. (CONTINUED).

Taxon	Slide														
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Unidentified biota = vira	3	-	1	1	2	1	-	-	1	3	5	-	-	11	3
Dictyopteris jamaicensis	-	-	-	-	-	17	39	65	35	47	14	22	20	26	46
Gracilaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botryocladia occidentalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halophila decipiens	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spongia tubulifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hyattella intestinalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-
Niphates erecta	-	-	-	4	-	-	-	-	-	-	-	-	-	11	-
Siphonodictyon sp. A	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-
Neofibularia nolitangere	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Placospongia melobesioides	-	-	-	-	-	3	2	3	3	7	3	-	-	-	-
Tethya actinia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-
Cinachyra allioclada	-	-	-	-	-	-	-	1	2	-	1	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	19	-	-	2	3	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	9	3	-	-	-	-	-	-	-	-	-	9	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
Siderastrea radians	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Solenastrea hyades	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Celleporaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon plumieri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphoeroides spengleri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	70	91	85	85	94	-	59	30	47	41	75	78	71	52	37
Shell rubble	-	-	-	1	-	79	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	30.0	9.0	15.0	14.0	6.0	21.0	41.0	70.0	53.0	59.0	25.0	22.0	29.0	48.0	63.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.5. (CONTINUED).

Taxon	Slide														
	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
Unidentified biota = vira	-	4	3	7	5	6	6	1	6	2	-	4	5	4	6
Dictyopteris jamaicensis	12	44	10	55	-	38	37	20	-	-	47	9	43	54	51
Gracilaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Botryocladia occidentalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halophila decipiens	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	4	1	-	-	-	-	5	5	-	4
Spongia tubulifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hyattella intestinalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Ircinia felix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neofibularia nolitangere	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	-	2	-	-	2	-	-	-	-	-	-	3	5	3
Tethya actinia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliocleda	-	-	-	-	-	2	-	-	-	1	-	1	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	6	13	-	-	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	-	2	-	-	-	-	-	-	5	-	-	-	-	-
Plexauridae	3	2	-	4	9	5	-	11	6	11	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Pseudopterogorgia sp.	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Celleporaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon plumieri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphoeroides spengleri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	85	43	65	34	82	32	53	68	87	80	27	81	44	34	32
Shell rubble	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	101	100	100	100	100
PERCENT BIOTA	15.0	57.0	35.0	66.0	18.0	68.0	47.0	32.0	13.0	20.0	52.5	19.0	56.0	66.0	68.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.5. (CONTINUED).

Taxon	Slide									
	91	92	93	94	95	96	97	98	99	100
Unidentified biota = vira	-	7	2	5	-	-	4	-	1	-
Dictyopteris jamaicensis	28	68	45	38	27	23	19	59	38	56
Gracilaria sp.	-	-	-	-	-	5	-	-	-	-
Corallinaceae	-	-	-	2	-	-	-	-	-	-
Botryocladia occidentalis	-	-	-	-	-	-	-	-	-	-
Halophila decipiens	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	6	-
Spongia tubulifera	-	-	-	-	-	6	-	-	-	-
Hyattella intestinalis	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-
Neofibularia nolitangere	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	1	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	2	-	-	-	-	-	-
Placospongia melobesioides	-	-	-	-	-	-	7	-	-	-
Tethya actinia	-	-	-	-	-	-	-	-	-	-
Epipolesis lithophaga	-	-	1	-	-	-	-	-	3	1
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-
Cinachyra alliocladа	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	3	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	2	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	3	-	-	-	-
Carejoa riisei	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	3	5	2	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	25	-	1	-	-	-
Siderastrea radians	-	-	-	-	-	3	-	-	-	-
Solenastrea hyades	1	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-
Celleporaria sp.	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-
Haemulon plumieri	-	-	-	-	-	-	-	-	-	-
Sphoeroides spengleri	-	-	-	-	-	-	-	-	-	-
Sand	71	20	52	53	48	57	64	39	51	43
Shell rubble	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	29.0	80.0	48.0	47.0	52.0	43.0	36.0	61.0	49.0	57.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.6. QUANTITATIVE SLIDE ANALYSIS DATA FOR STATION 52 (NIGHT), CRUISE 11.*

Taxon	Slide														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Unidentified biota = vira	-	-	-	2	10	-	2	-	7	6	4	-	3	-	1
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dictyopteris jamaicensis	21	26	50	57	20	37	20	-	-	22	24	15	35	55	40
Rhodophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gracilaria sp.	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	2	-	1	-	-	-
Porifera	-	3	1	1	3	-	10	-	-	-	-	-	-	-	-
Hyattella intestinalis	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-	2	4	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eurypongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aiolochroia crassa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neofibularia nolitangere	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	31	-	-	-	-	-	-
Microciona spp.	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	1	2	-	-	-	1	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliocieda	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Myrmekioderma sp. A	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Hydrozoa-Hydroida	-	-	-	3	-	3	-	-	1	-	-	-	-	-	-
Campanularia marginata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	1	-	3	13	-	-	-	1	-	-	-	4	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manicina areolata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Portunidae	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Celleporaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinaster sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon plumieri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	62	68	44	31	43	46	60	93	61	56	64	75	40	41	59
Shell rubble	17	3	-	-	-	-	5	1	-	-	-	-	-	-	-
Rock	-	-	1	-	-	-	-	-	-	13	3	4	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	21.0	29.0	55.0	69.0	57.0	54.0	35.0	6.0	39.0	31.0	33.0	21.0	60.0	59.0	41.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.6. (CONTINUED).

Taxon	Slide 16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Unidentified biota = vira	-	-	3	7	8	3	2	1	1	5	-	1	-	1	4
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dictyopteris jamaicensis	38	37	42	8	16	32	30	56	37	41	40	4	41	57	29
Rhodophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gracilaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	2	3	3	-	-	11	-	-	-	2	-	-	-	-
Hyattella intestinalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	26	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Ircinia felix	-	7	-	-	-	-	-	-	-	-	-	11	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euryspongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aiolochroia crassa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	1	-	-	-	-	-	-	1	-	-	7	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neofibularia nolitangere	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-
Anthosigmella varians	-	-	-	6	-	-	1	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	-	-	-	-	9	-	10	-	7	-	1	-	-	-
Epipolasis lithophaga	-	2	-	-	-	-	-	17	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Cinachyra spp.	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliocladа	-	-	-	-	1	1	-	-	-	-	1	-	-	-	1
Axinella spp.	-	-	-	19	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myrmekioderma sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Campanularia marginata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
Carejoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	1	-	9	-	3	-	-	-	-	-	-	-	5
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Manicina areolata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portunidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Celleporaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinaster sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon plumieri	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-
Sand	59	47	47	54	65	55	52	16	57	32	41	54	59	29	45
Shell rubble	-	-	-	-	1	-	-	-	2	-	-	-	-	-	-
Rock	-	5	-	-	-	-	-	-	-	2	13	3	-	-	-
TOTAL POINTS	100	100	100	98	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	41.0	48.0	53.0	44.9	34.0	45.0	48.0	84.0	41.0	66.0	46.0	43.0	41.0	71.0	55.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.6. (CONTINUED).

Taxon	Slide														
	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Unidentified biota = vira	4	-	-	-	-	2	-	-	5	-	-	-	-	1	13
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dictyopteris jamaicensis	32	30	35	8	30	8	10	8	15	1	8	59	24	6	49
Rhodophycophyta	-	-	-	-	1	-	3	-	-	-	-	-	-	-	-
Gracilaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-
Porifera	-	4	-	11	1	1	-	-	-	-	-	-	-	-	-
Hyattella intestinalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-
Euryspongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aiolochroia crassa	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2
Haliclona compressa	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Siphonodictyon sp. A	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-
Neofibularia nolitangere	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	3	-	-	-	-	-	5	-	-	-	-	-
Placospongia melobesioides	11	7	-	8	-	7	-	-	-	-	4	4	-	7	11
Epipolasis ithophaga	-	3	5	-	4	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliciada	-	-	-	-	2	-	1	-	2	-	-	-	-	-	2
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-
Myrmekioderma sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Campanularia marginata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	18	-	1	-	-	12	-	-	-	2	-	-	-	5	5
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manicina areolata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portunidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calleporaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinaster sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon plumieri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	27	49	59	68	56	59	82	92	78	91	86	37	68	81	15
Shell rubble	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
Rock	-	7	-	-	-	4	-	-	-	-	2	-	2	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	73.0	44.0	41.0	32.0	41.0	37.0	18.0	8.0	22.0	9.0	12.0	63.0	30.0	19.0	85.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.6. (CONTINUED).

Taxon	Slide 46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Unidentified biota = vira	2	-	9	-	-	1	-	4	1	-	-	3	13	-	5
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dictyopteris jamaicensis	21	35	-	1	-	-	-	37	20	13	22	52	-	62	5
Rhodophycophyta	-	-	-	-	-	-	-	-	9	-	-	-	-	-	1
Gracilaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	1	-	-	-	6	-	-	-	-	2	6	-	-	4	2
Hyattella intestinalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-
Ircinia strobilina	19	-	-	-	-	-	-	-	-	-	-	4	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-
Eurypongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aiolochroia crassa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neofibularia nolitangere	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Spirastrella sp. A	2	-	-	-	-	-	-	-	-	-	4	-	3	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	-	1	-	12	-	3
Placospongia melobesioides	-	-	-	9	-	-	-	-	-	-	6	-	-	-	1
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Geodia gibberosa	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliaclada	-	-	-	-	-	-	-	2	-	2	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Myrmekioderma sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	3	-	-	-	-	-	-	-	-	-	1	-	6
Campanularia marginata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	-	17	-	-	-	-	15	-	-	-	-	-	3	-
Plexauridae	-	-	-	-	-	-	4	5	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Siderastrea radians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manicina areolata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portunidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Celleporaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinaster sp.	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
Clavelina gigantea	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Haemulon plumieri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	49	65	60	81	88	88	94	36	69	80	39	41	50	30	55
Shell rubble	-	-	-	-	6	7	2	-	-	3	-	-	-	-	-
Rock	-	-	-	10	-	-	-	-	-	-	10	-	-	-	4
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	51.0	35.0	40.0	9.0	6.0	5.0	4.0	64.0	31.0	17.0	51.0	59.0	50.0	70.0	31.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.6. (CONTINUED).

Taxon	Slide														
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Unidentified biota = vira	-	3	-	1	3	1	-	7	-	-	-	3	-	-	2
Udotea sp.	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Dictyopteris jamaicensis	19	7	42	29	8	23	8	9	-	-	18	2	44	18	3
Rhodophycophyta	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Gracilaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	1	-	-	-	2	-	-	1
Porifera	7	2	-	-	1	6	-	-	9	1	-	9	-	-	-
Hyattella intestinalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eurypongia rosea	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aiolochroia crassa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	1	-	-	6	-	-	-	-	-	-	6	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Neofibularia nolitangere	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	4	-	1	-	-	-	-	-
Placospongia melobesioides	4	12	-	-	-	-	-	10	-	-	-	-	-	-	14
Epipolasis lithophaga	-	-	-	5	-	-	-	-	-	-	3	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliocladа	1	-	-	-	-	-	-	-	-	-	-	-	-	3	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myrmekioderma sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Campanularia marginata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	7	-	-	-	8	-	9	-	-	-	-	-	-	-	6
Muricea elongata	-	-	-	-	-	-	-	-	-	-	8	1	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	2	-	3	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manicina areolata	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Solenastrea hyades	-	1	-	-	-	-	-	3	-	-	-	-	-	-	-
Portunidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calleporaria sp.	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-
Echinaster sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Haemulon plumieri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	49	66	46	62	80	54	76	40	87	11	67	71	55	67	74
Shell rubble	1	-	-	-	-	-	-	-	-	85	-	2	1	6	-
Rock	-	3	7	2	-	-	-	9	4	-	-	10	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	50.0	31.0	47.0	36.0	20.0	46.0	24.0	51.0	9.0	4.0	33.0	17.0	44.0	27.0	26.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.6. (CONTINUED).

Taxon	Slide														
	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
Unidentified biota = vira	-	-	-	8	1	7	-	1	3	1	1	-	-	3	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dictyopteris jamaicensis	13	14	57	17	27	25	-	20	30	28	7	55	30	-	23
Rhodophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gracilaria sp.	-	-	-	-	3	-	-	-	-	-	-	-	-	-	2
Corallinaceae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Porifera	-	-	-	-	-	1	-	-	2	-	1	-	4	-	-
Hyattella intestinalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euryspongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aiolochroia crassa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
Haliclona compressa	-	-	-	3	1	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Neofibularia nolitangere	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	1	-	2	-	1	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	3	-	-	-	-	-	-	-	-	-	6	3
Placospongia melobesioides	21	-	-	7	-	-	-	-	-	-	-	-	-	-	3
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Cinachyra alliocladia	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Axinella spp.	-	-	1	2	2	2	-	-	-	4	-	1	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Pseudaxinella lunaecharta	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Myrmekioderma sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	5	-	-	1	-	-	-	-	-
Campanularia marginata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-
Plexauridae	-	-	9	-	5	-	-	-	-	2	24	-	-	26	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manicina areolata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portunidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Celleporaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinaster sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon plumieri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	54	86	33	59	59	58	88	32	44	63	63	44	66	62	66
Shell rubble	10	-	-	-	-	-	7	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	1	-	45	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	36.0	14.0	67.0	41.0	41.0	41.0	5.0	23.0	56.0	37.0	37.0	56.0	34.0	38.0	34.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.6. (CONTINUED).

Taxon	Slide								
	91	92	93	94	95	96	97	98	99
Unidentified biota = vira	5	-	-	2	8	11	1	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-
Dictyopteris jamaicensis	7	13	93	39	41	4	20	21	66
Rhodophycophyta	-	-	-	-	-	-	-	-	-
Gracilaria sp.	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-
Porifera	1	8	1	-	5	-	-	-	-
Hyattella intestinalis	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	3	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	9	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-
Euryspongia rosea	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-
Aiolochroia crassa	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	1	-	-	-	-
Haliclona sp.	14	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	7	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-
Neofibularia nolitangere	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	1	-	-	-	-	1	-	-	-
Spheciospongia vesparium	-	-	-	-	-	9	-	-	-
Anthosigmella varians	-	-	-	-	1	-	-	-	-
Placospongia melobesioides	-	-	-	-	8	-	1	-	-
Epipolasis lithophaga	-	-	-	-	-	-	1	-	-
Geodia gibberosa	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	3	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-
Cinachyra alliciada	-	-	-	1	-	-	2	-	2
Axinella spp.	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-
Myrmekioderma sp. A	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	4	-
Campanularia marginata	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	-	-	-	-	-	-	2	-
Plexauridae	-	-	-	-	-	6	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-
Siderastrea radians	-	-	-	-	-	-	-	-	-
Manicina areolata	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-
Portunidae	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-
Celleporaria sp.	-	-	-	-	-	-	-	-	-
Echinaster sp.	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-
Didemnum candidum	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-
Haemulon plumieri	-	-	-	-	-	-	-	-	-
Sand	72	79	6	58	32	57	68	73	32
Shell rubble	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	3	-	-	-
TOTAL POINTS	100	100	100	100	102	100	100	100	100
PERCENT BIOTA	28.0	21.0	94.0	42.0	68.6	40.0	32.0	27.0	68.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.7. QUANTITATIVE SLIDE ANALYSIS DATA FOR STATION 44, CRUISE III.*

Taxon	Slide														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Unidentified biota = vira	1	1	2	2	4	-	5	2	6	2	2	1	6	-	3
Udotea sp.	-	3	-	2	2	-	2	-	4	1	1	5	2	-	5
Rhodophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	5	1	-	-	-	-	1	-	-	-	-	1	-	-	-
Spongia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euryspongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aiolochroia crassa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	3	-	-	-	-	1	-	-	9	1	2	3	3	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	3	-	-	-	-	2	-	2	-	-	-	-	-
Placospongia melobesioides	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	1	-	-	-	-	6	-	-	-	-	-	-	-
Geodia gibberosa	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliclada	2	-	-	-	-	-	2	2	2	1	-	-	-	-	-
Axinellidae	-	-	-	-	-	1	-	-	-	-	-	-	3	-	1
Axinella spp.	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
Homaxinella weltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Teichaxinella sp.	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Alcyonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-
Plexauridae	-	-	-	1	-	4	-	3	-	-	-	2	-	-	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea laxa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptogorgia sp.	-	-	-	-	-	-	-	-	-	12	5	-	-	5	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-
Zoantharia-Scleractinia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea sp.	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Cladocora arbuscula	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xanthidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asteriodea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
Ophiuroidea-Ophiurida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arbacia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplidium constellatum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	2	-	4	3	-	-	-	-	2	2	-	2	2	-
Scorpaena sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ostraciidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chilomycterus schoepfi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	83	92	87	90	80	94	90	85	74	78	83	88	84	93	90
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shell rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Algal rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	12.0	8.0	13.0	10.0	20.0	6.0	10.0	15.0	26.0	22.0	17.0	12.0	16.0	7.0	10.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.7. (CONTINUED).

Taxon	Slide 16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Unidentified biota = vira	5	2	-	-	2	1	3	-	5	2	-	1	2	7	1
Udotea sp.	-	-	5	4	2	2	5	-	4	1	-	-	-	-	-
Rhodophycophyta	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-
Corallinaceae	1	-	-	2	-	-	-	-	-	-	-	1	-	-	-
Porifera	1	-	1	-	2	2	-	1	-	-	-	-	-	-	7
Spongia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eurypongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-
Aplochroia crassa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	1	2	-	-	-	2	-	-	-	12	2	3	-	7	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	2	-	-	-	1	-	-	6	-	-	-
Placospongia melobesioides	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-
Epipolasis lithophaga	-	3	-	-	-	2	-	2	3	-	-	-	-	-	-
Geodia gibberosa	1	-	-	-	3	-	-	4	-	-	-	-	-	1	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliclada	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Teichaxinella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
Octocorallia-Alcyonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea laxa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zoantharia-Scleractinia	-	-	2	-	-	-	-	-	1	-	-	-	-	-	-
Siderastrea sp.	-	-	-	-	3	-	-	-	-	2	-	-	-	-	2
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	7	-	-	-	-	-	-	4
Xanthidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asteriodea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea-Ophiurida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arbacia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Clavelina gigantea	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
Aplidium constellatum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scorpaena sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ostraciidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chilomycterus schoepfi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	87	92	92	94	82	88	92	81	85	81	93	81	93	58	85
Rubble	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Shell rubble	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-
Algal rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	13.0	8.0	8.0	6.0	18.0	12.0	8.0	19.0	14.0	17.0	2.0	19.0	7.0	42.0	15.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.7. (CONTINUED).

Taxon	Slide														
	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Unidentified biota = vira	2	2	-	-	6	1	-	8	3	-	5	6	-	5	-
Udotea sp.	-	1	-	-	2	-	-	-	-	-	-	-	-	2	3
Rhodophycophyta	-	-	-	-	3	-	-	1	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	1	-	-	-	4	-	-	4	-
Spongia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Euryspongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	3	4	1	-	1	-	-	-	-
Aiolochroia crassa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	3	-	-	-	3	1	2	-	5	-	-	-	4	-	2
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	4	2	-	-	2	-	-	-	2	1	3	1	-
Placospongia melobesioides	-	-	-	-	-	-	-	9	-	2	2	16	3	-	-
Epipolasis ?lithophaga	-	2	-	-	2	1	-	-	3	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	-	3	2	2	-	-	5	-
Cinachyra spp.	-	-	-	-	2	-	-	1	-	1	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	2	-	-	-	-	-	-	2	-	-
Cinachyra alloclada	-	-	-	-	-	-	-	-	3	-	-	-	2	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella veitonsmithi	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Teichaxinella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Alcyonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	1	-	4	6	-	-	2	-	-	-	-	-	-	-	-
Muricea spp.	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-
Muricea laxa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptogorgia sp.	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zoantharia-Scleractinia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea sp.	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Solenastrea hyades	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Xanthidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asteriodea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea-Ophiurida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arbacia sp.	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplidium constellatum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Scorpaena sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ostreidae	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Chilomycterus schoepfi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	78	87	82	91	67	93	90	75	79	94	81	76	86	81	95
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shell rubble	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Algal rubble	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	22.0	13.0	18.0	9.0	22.0	6.0	10.0	25.0	21.0	6.0	19.0	24.0	14.0	19.0	5.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.7. (CONTINUED).

Taxon	Slide														
	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Unidentified biota = vire	4	-	6	3	-	4	-	4	-	3	10	1	4	1	5
Udotea sp.	3	-	-	1	-	3	2	-	4	-	2	3	-	-	1
Rhodophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	3	5	-	-	2	4	8	6	-	2	-	3	2	-
Spongia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euryspongia rosea	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-
Aplysina fistularis	-	5	-	2	-	-	-	-	-	1	-	-	-	-	-
Aiolochroia crassa	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	3	5	4	-	7	2	2	9	-	-	-	-	5	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	4	-	-	1	-	-	1	3	-	-	-	-
Plecospongia melobesioides	-	2	2	1	-	-	-	-	3	-	3	-	3	-	-
Epipolasis lithophaga	-	3	-	-	-	2	-	-	-	4	-	-	-	4	-
Geodia gibberosa	4	-	1	-	-	-	-	-	1	-	1	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	3	-	-	-	-	1	-	2
Cinachyra kuekenthali	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-
Cinachyra silociada	-	2	-	-	-	-	1	-	-	-	1	-	-	1	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-
Teichaxinella sp.	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Alcyonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea laxa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptogorgia sp.	-	-	1	-	-	-	-	-	10	3	-	7	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Zoantharia-Sclerectinia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea sp.	1	-	-	-	-	-	-	-	-	-	-	-	-	1	2
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Xanthidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asteriodea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea-Ophiurida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arbacia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplidium constellatum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scorpaena sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ostreolidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chilomycterus schoepfi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Sand	85	80	78	74	93	78	89	64	76	85	75	86	79	91	87
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shell rubble	-	-	1	-	-	-	-	2	-	1	-	-	-	-	1
Algal rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	15.0	20.0	21.0	26.0	7.0	13.0	11.0	34.0	24.0	14.0	25.0	14.0	21.0	9.0	12.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.7. (CONTINUED).

Taxon	Slide														
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Unidentified biota * vira	4	-	7	2	2	4	1	2	1	3	1	5	3	4	2
Udotea sp.	1	-	-	-	-	-	2	-	2	-	1	1	1	-	1
Rhodophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	3	9	3	1	-	-	-	-	3	2	2	-	-	-
Spongia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eurypongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-
Aiolochroia crassa	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	6	-	2	-	-	-	2	-	-	2	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	3	2	-	-	-	2	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis ?lithophaga	-	-	-	-	-	-	-	11	-	3	-	-	-	-	-
Geodia gibberosa	4	-	-	-	-	-	1	-	4	-	-	1	1	1	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliciada	-	-	-	-	-	-	-	-	4	-	2	-	1	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-
Axinella spp.	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Teichaxinella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Alcyonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	1	-	-	-	-	-	-	-	4	4	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Muricea laxa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptogorgia sp.	-	-	-	-	1	-	-	-	4	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	18	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zoantheria-Sclerectinia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea sp.	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Xanthidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asteriodea	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Ophiuroidea-Ophiurida	-	-	-	-	-	4	4	-	1	-	-	1	-	-	-
Arbacia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplidium constellatum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	2	-	-	-	-	-	-	-	-	2
Scorpaena sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ostreidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chilomycterus schoepfi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	91	94	77	87	89	72	88	86	84	91	92	88	88	88	92
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shell rubble	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Algal rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	101	100
PERCENT BIOTA	9.0	6.0	23.0	13.0	11.0	28.0	12.0	14.0	16.0	9.0	8.0	10.0	12.0	12.9	8.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.7. (CONTINUED).

Taxon	Slide														
	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
Unidentified biota = vira	2	2	11	-	5	1	3	1	2	-	1	1	2	1	5
Udotea sp.	-	3	1	-	3	2	1	1	1	4	-	2	-	-	-
Rhodophycophyta	-	4	-	-	1	-	-	-	-	-	-	3	-	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	2	-	-	-	-	-	6	5	-	-	7	3	2	-	-
Spongia sp.	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euryspongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-
Aiolochroia crassa	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	1	-	-	-	2	-	-	-	-	-	-	-	-	1	-
Spheciospongia vesparium	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	1	-	-	-	-	4	-	2	-	1	-	-	-	2	-
Placospongia melobesioides	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Epipolasis ?lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	3	-	5
Geodia gibberosa	3	-	-	-	-	-	-	-	-	3	-	-	-	-	-
Cinachyra spp.	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra ?ciocalda	-	-	-	2	-	-	-	3	2	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Teichaxinella sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Alcyonacea	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea laxa	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Leptogorgia sp.	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zoantharia-Scleractinia	-	-	-	-	-	-	-	-	1	-	-	1	-	-	2
Siderastrea sp.	-	-	-	-	-	-	-	1	-	-	1	-	2	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Xanthidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Asteriodea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea-Ophiuridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arbacia sp.	-	-	-	-	3	-	-	-	-	-	-	-	-	-	1
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplidium constellatum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-
Scorpaena sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ostreidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chilomycterus schoepfi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	80	80	74	91	86	-	77	84	92	92	91	89	91	96	77
Rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shell rubble	-	-	1	-	-	77	-	3	-	-	-	-	-	-	-
Algal rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	5	-	-	-	-	-	-	-	-	-	-	-	4
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	20.0	20.0	20.0	9.0	14.0	23.0	23.0	13.0	8.0	8.0	9.0	11.0	9.0	4.0	19.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.7. (CONTINUED).

Taxon	Slide								
	91	92	93	94	95	96	97	98	99
Unidentified biota * vira	8	3	3	7	5	-	-	1	-
Udotea sp.	1	-	-	1	-	1	2	-	-
Rhodophycophyta	-	2	-	-	4	3	-	-	-
Corallinaceae	-	-	-	2	-	-	-	-	-
Porifera	2	2	-	-	-	-	-	-	-
Spongia sp.	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-
Euryspongia rosea	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	6	-	-	-	-	-	-	-
Aiolochroia crassa	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-
Niphates erecta	-	1	-	-	-	-	-	-	-
Siphonodictyon sp. A	6	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	2
Microciona spp.	-	-	-	-	2	-	-	-	-
Spirastrella sp. A	1	18	-	-	-	1	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	5	-
Anthosigmella varians	-	-	-	-	-	1	-	-	-
Placospongia melobesioides	1	-	-	-	-	-	-	-	-
Epipolesis lithophaga	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	3	7	-	-	-	3	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-
Cinachyra alliodada	-	-	-	-	4	-	-	1	1
Axinellidae	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-
Homaxinella weltonsmithi	-	-	-	-	-	-	-	1	-
Pseudaxinella lunaecharta	1	-	-	-	-	-	-	-	-
Teichaxinella sp.	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-
Octocorallia-Alcyonacea	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	1	-	-
Plexauridae	-	-	-	5	-	-	-	-	7
Muricea spp.	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	4	-	-	-
Muricea laxa	-	-	-	-	-	-	-	-	-
Leptogorgia sp.	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	10	-	-
Zoantharia-Scleractinia	-	-	-	-	-	-	-	-	-
Siderastrea sp.	1	-	-	-	-	1	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-
Xanthidae	-	-	-	-	-	-	-	-	-
Asteriodea	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-
Ophiuroidea-Ophiurida	-	-	-	-	-	-	-	-	-
Arbacia sp.	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-
Aplidium constellatum	-	1	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-
Scorpaena sp.	-	-	-	-	-	1	-	-	-
Ostracilidae	-	-	-	-	-	-	-	-	-
Chilomycterus schoepfi	-	-	-	-	-	-	-	-	-
Sand	79	67	94	73	85	88	87	86	90
Rubble	-	-	-	-	-	-	-	-	-
Shell rubble	-	-	-	-	-	-	-	-	-
Algal rubble	-	-	-	-	-	-	-	-	-
Rock	-	-	-	5	-	-	-	3	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	21.0	33.0	6.0	22.0	15.0	12.0	13.0	11.0	10.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.8. QUANTITATIVE SLIDE ANALYSIS DATA FOR STATION 45, CRUISE III.*

Taxon	Slide														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Unidentified biota = vire	12	-	3	5	6	7	3	1	2	1	7	7	8	8	5
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halimeda sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhipocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	2	1	-	-	1	-	1	3	-	2	-	-	2	4	-
Rhodophycophyta	3	3	-	-	-	-	2	-	-	-	-	1	3	1	-
Corallinaceae	-	-	-	-	-	-	-	-	-	-	3	3	-	-	-
Porifera	-	-	-	-	-	1	1	-	-	-	-	1	-	-	1
Ircinia campana	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eurypongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	3	-	5	-	-	-	-	-	-	-	-
Aiolochroia crassa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thalysias juniperina	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Spirastrella sp. A	4	2	1	1	-	1	-	-	6	7	4	-	2	4	8
Anthosigmella varians	-	-	3	-	-	-	3	-	-	-	1	-	-	-	-
Placospongia melobesioides	-	-	3	-	-	-	-	-	-	-	2	17	-	-	-
Cliona delitrix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis ilithophaga	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-
Geodia gibberosa	3	-	-	-	-	-	-	-	-	5	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alloclada	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	1	-	-	-	-	-	-	2	-	-	-
Higginsia striglista	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Hydrozoa-Hydroida	-	-	-	-	-	1	-	-	-	-	2	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Plexauridae	17	7	8	6	-	10	11	5	-	1	15	5	1	12	9
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	3	-	3	-	-	-	-	-	-	-	-	3	-	-	-
Muricea laxa	-	-	-	-	-	-	-	-	-	13	-	-	-	-	5
Leptogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	30	-	12	6	-	44	33	14	7	7	-	14	1
Pterogorgia guadalupensis	-	5	-	-	-	2	-	-	-	-	3	-	4	2	2
Anthozoa-Zoantharia	-	-	-	-	-	-	-	-	-	-	-	4	-	-	2
Zoantharia-Scleractinia	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Stephanocoenia michelinii	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Siderastrea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	7	1	-	-	-	-	1	1	1
Solenastrea hyades	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Scolymia lacera	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-
Isophyllia sp.	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-
Phyllocheetopterus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Celleporaria magnifica	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinaster sp.	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiothrix suensonii	10	2	3	-	-	7	5	-	-	2	4	-	3	-	5
Arbacia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isostichopus badionotus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon sp.	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-
Sand	46	74	46	85	76	63	50	44	59	54	48	50	69	45	61
Shell rubble	-	-	-	-	-	-	4	-	-	1	1	-	-	3	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	54.0	26.0	54.0	15.0	24.0	37.0	46.0	56.0	41.0	45.0	51.0	50.0	31.0	52.0	39.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.8. (CONTINUED).

Taxon	Slide														
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Unidentified biota - virs	5	-	3	8	4	8	5	5	12	-	4	6	4	9	5
Chlorophycophyta	-	-	-	1	-	-	3	2	-	3	-	-	-	-	3
Halimeda sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhipocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	1	-	-	-	1	-	1	1	5	2	9	-	-	1	1
Rhodophycophyta	1	3	-	2	1	-	-	1	-	-	-	1	-	1	-
Corallinaceae	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	5	-	-	1	-	-	-	-	-	-	-	-	2	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
Eurypongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
Aiolochroia crassa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thalysias juniperina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	3	-	-	-	4	-	4	-	2	1	8	-	-	2	4
Anthosigmella varians	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	-	3	-	-	-	-	-	-	-	-	5	-	-	-
Cliona delitrix	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-
Epipolasis ?lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	2	-	-	2	-	-	2	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alloclada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Higginsia strigilata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	1	-	-	-	-	-	-	-	3	-
Octocorallia-Gorgonacea	-	2	-	-	5	-	3	-	-	-	-	1	-	-	-
Plexauridae	22	16	38	15	-	15	2	20	8	25	4	3	13	14	5
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea laxa	-	-	-	8	4	23	-	-	-	-	-	5	-	-	-
Leptogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	16	6	-	12	32	-	6	-	-	3	-	-	12	-	-
Pterogorgia guadalupensis	-	3	-	1	-	-	-	-	-	-	-	-	-	-	9
Anthozoa-Zoantharia	-	-	-	-	-	-	11	1	-	12	-	-	-	5	-
Zoantharia-Scleractinia	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Stephanocoenia michelinii	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea sp.	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
Cladocora arbuscula	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scolymia lacera	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Isophyllia sp.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phyllochaetopterus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Celleporaria magnifica	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinaster sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiothrix suensonii	-	3	-	-	-	7	-	2	6	-	-	1	8	1	-
Arbacia sp.	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Isostichopus badionotus	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	41	66	56	50	42	42	60	66	61	48	65	73	61	61	72
Shell rubble	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	59.0	33.0	44.0	50.0	58.0	58.0	40.0	34.0	39.0	52.0	34.0	22.0	39.0	39.0	28.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.8. (CONTINUED).

Taxon	Slide 31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Unidentified biota = virs	3	5	7	8	2	5	2	5	4	5	4	1	4	2	8
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halimeda sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhipocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	1	4	6	-	-	1	1	-	5	1	2	-	4	2
Rhodophycophyta	-	-	-	-	-	2	-	1	-	-	1	-	7	2	-
Corallinaceae	-	-	3	-	5	-	-	-	1	-	2	-	-	-	-
Porifera	-	-	-	-	4	10	-	-	1	2	3	-	2	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Eurypongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	4	10	-	-	-	-	-	1	-	-	-	-	-	-	-
Aiolochroia crassa	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa thispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thalysias juniperina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	1	-	10	-	7	4	3	7	-	1	-	8	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	-	-	-	-	-	17	-	-	1	-	-	2	-	4
Cliona delitrix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliocieda	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Higginsia strigilata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Plexauridae	30	4	24	4	1	9	6	-	1	9	1	11	6	2	1
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea laxa	-	-	-	6	-	-	15	-	-	-	-	-	-	-	7
Leptogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Pseudopterogorgia sp.	1	37	-	1	48	2	-	28	3	-	-	6	-	11	10
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	14	3	5	8	5	2	2
Anthozoa-Zoantharia	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Zoantharia-Scleractinia	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Stephenocoenia michelinii	-	-	-	3	-	-	5	-	-	-	-	-	-	-	-
Siderastrea sp.	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Solenastrea hyades	-	-	-	-	-	-	-	-	-	2	-	-	-	3	-
Scolymia lacera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophyllia sp.	-	-	-	1	-	-	-	-	-	-	1	-	-	1	-
Phyllocheetopterus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Celleporaria magnifica	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinaster sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiothrix suensonii	-	1	-	11	-	2	2	-	-	-	-	9	-	-	1
Arbacia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isostichopus badionotus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	61	39	55	50	38	63	48	58	68	73	68	62	63	73	64
Shell rubble	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	39.0	61.0	45.0	50.0	62.0	37.0	52.0	42.0	32.0	27.0	21.0	38.0	37.0	27.0	36.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.8. (CONTINUED).

Taxon	Slide 46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Unidentified biota = vira	5	3	-	4	3	6	1	5	3	3	2	9	3	8	11
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halimeda sp.	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-
Rhipocephalus sp.	-	-	23	2	2	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	1	1	1	9	-	4	1	11	-	3	-
Rhodophycophyta	1	1	2	-	1	-	2	-	-	-	3	3	-	1	1
Corallinaceae	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	2	-	2	-	-	-	-	-	-	6	1	-	1
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eurysponga rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	1	17	-	-	-	-	-	-	-	3	-	-	-	4	-
Aiolochroia crassa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
Haliclona compressa	4	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Ulosa thispida	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thalysias juniperina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	2	1	-	-	-	-	-	-	1	2	-	6	2
Anthosigmella varians	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	2	-	-	-	-	-	-	-	10	-	-	-	-	-
Cliona delitrix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra aliocleda	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	2	-	-	-	1	-	-	-	2
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Higginsia strigilata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
Plexauridae	4	6	2	11	20	4	-	10	7	6	4	-	8	1	25
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-
Muricea laxa	-	-	11	-	-	8	-	-	-	-	-	6	-	-	-
Leptogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	15	-	-	-	-	-	25	-	7	1	-	-	7	26	-
Pterogorgia guadalupensis	2	-	1	7	2	-	6	-	1	-	-	2	-	-	-
Anthozoa-Zoantheria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zoantheria-Scleractinia	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-
Stephanocoenia michelinii	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	1	-	-	2	2	-	-	-	-	-	-	-	-	-	2
Solenastrea hyades	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Scolymia lacera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophyllia sp.	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Phyllocheetopterus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-
Celleporaria magnifica	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinaster sp.	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiothrix suensonii	3	3	6	2	1	-	-	-	6	-	-	-	-	-	-
Arbacia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isostichopus badionotus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	61	65	45	66	63	81	58	74	72	71	88	56	69	47	55
Shell rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	39.0	35.0	55.0	34.0	37.0	19.0	42.0	26.0	28.0	29.0	12.0	44.0	31.0	53.0	45.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.8. (CONTINUED).

Taxon	Slide														
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Unidentified biota - viva	4	3	5	1	10	6	6	11	4	5	5	2	3	4	1
Chlorophycophyta	-	-	-	-	-	1	-	-	-	-	1	-	-	-	1
Halimeda sp.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhipocephalus sp.	-	-	-	-	-	5	-	-	4	-	1	-	-	-	-
Udotea sp.	3	-	1	4	1	5	6	4	2	5	-	-	-	2	3
Rhodophycophyta	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Corallinaceae	1	-	-	-	-	2	2	1	-	-	-	-	-	-	-
Porifera	-	-	2	5	-	-	1	-	-	-	6	2	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euryspongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Aiolochroia crassa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Thalysias juniperina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	12	-	2	-	1	-	-	-	2	-	1
Anthosigmella varians	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	10	8	-	-	9	-	7	31	-	-	-	-	-	-
Cliona delitrix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis ?lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	5	2	-	-	-	-	-	1	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Cinachyra ?alloclada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella weltonsmithi	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Higginsia strigilata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	7	4	-	2	1	6	1	-	-	-	6	6	11	26	13
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	13	-	-	-	-	-	-	-	-	3	5
Muricea laxa	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-
Leptogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	1	-	30	23	29	-	-	11	10	54	9	11	19	-	-
Pterogorgia guadalupensis	-	-	-	1	-	6	2	-	9	-	1	-	12	1	-
Anthozoa-Zoantharia	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Zoantharia-Scleractinia	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Stephanocoenia michelinii	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-
Siderastrea sp.	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	1	-	-	-	-	-	6	-	-	-	-	-	-	-	2
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scolymia lacera	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Isophyllia sp.	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Phyllocheatopterus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Celleporaria magnifica	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Echinaster sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiothrix suensonii	1	-	-	-	3	6	1	1	-	-	-	-	1	-	5
Arbacia sp.	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-
Isostichopus badionotus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	70	82	47	41	31	53	62	61	36	35	71	76	50	60	69
Shell rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	30.0	18.0	53.0	59.0	69.0	47.0	38.0	39.0	64.0	65.0	29.0	24.0	50.0	40.0	31.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.8. (CONTINUED).

Taxon	Slide 76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
Unidentified biota - virs	5	10	11	4	2	4	4	5	1	5	5	2	7	4	4
Chlorophycophyta	3	1	3	-	-	-	-	-	-	-	-	-	-	-	-
Halimeda sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhipocephalus sp.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	4	-	-	-	3	1	2	-	-	3	1	-	-	4	9
Rhodophycophyta	4	1	-	-	2	-	-	-	3	3	-	-	2	-	3
Corallinaceae	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-
Porifera	-	-	2	-	-	-	1	-	-	-	-	-	-	-	2
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Eurypongia rosea	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	2	-	-	-	-	-	2	-	-
Aiolochroia crassa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thalysias juniperina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	1	2	4	-	-	-	4	-	4	-	5	2	-	3
Anthosigmella varians	-	2	-	-	-	-	-	-	-	-	7	-	2	-	-
Placospongia melobesioides	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-
Cliona delitrix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis ?lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	1	-	2	-	-	-	-	1	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra aliclade	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
Axinellidae	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Axinella spp.	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Homaxinella veltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Higginsia strigilata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	1	-	11	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	6	19	1	4	10	9	3	6	-	5	35	2	2	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	5	-	-	9	-	-	2	-	-	-	-	-	-
Muricea laxa	-	6	-	-	1	-	-	-	-	-	32	-	-	-	-
Leptogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	9	-	-	23	-	19	9	5	-	24	-	-	7	9	3
Pterogorgia guadalupensis	-	7	-	-	-	-	4	-	-	2	3	3	-	4	-
Anthozoa-Zoantharia	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Zoantharia-Sclerectinia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stephanocoenia michelinii	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea sp.	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	9	1	-	-	-	-	-	-	-	-	-	2	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scolymia lacera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophyllia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phyllocheetopterus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Celleporaria magnifica	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinaster sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
Ophiothrix suensonii	-	-	-	1	1	-	1	-	3	-	1	6	-	-	-
Arbacia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isostichopus badionotus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	73	61	38	64	70	55	68	81	83	58	43	49	75	73	70
Shell rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	27.0	39.0	62.0	36.0	30.0	45.0	32.0	19.0	17.0	42.0	57.0	51.0	25.0	27.0	25.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.8. (CONTINUED).

Taxon	Slide									
	91	92	93	94	95	96	97	98	99	100
Unidentified biota = vire	1	3	3	1	4	6	5	9	16	8
Chlorophycophyta	-	1	-	-	-	-	-	-	-	-
Halimeda sp.	-	-	1	-	-	-	-	-	-	-
Rhipocephalus sp.	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	1	5	-	2	2	-	1	6	-
Rhodophycophyta	-	4	1	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	2	-	1
Ircinia campana	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-
Euryspongia rosea	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	1	-	-	-	-
Aiolochroia crassa	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-
Thalysias juniperina	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	1	3	3	-	-	1	-	-	-
Anthosigmella varians	-	-	1	-	-	-	-	-	-	2
Placospongia melobesioides	-	-	-	-	-	-	-	-	-	-
Cliona delitrix	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	3	-	6	4	1	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-
Cinachyra silicicola	-	-	-	1	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	1	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-
Higginsia strigilata	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	4	-
Plexauridae	3	-	1	12	-	-	14	1	3	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	8	-	-	7	-
Muricea laxa	-	-	-	-	-	4	3	-	-	-
Leptogorgia sp.	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	45	-	-	-	22	-	6	30	-	26
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-
Anthozoa-Zoantharia	-	-	-	6	-	-	-	-	-	-
Zoantharia-Scleractinia	-	-	-	-	-	-	-	4	-	-
Stephanocoenia michelinii	-	-	-	-	-	-	-	5	-	-
Siderastrea sp.	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	2	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-
Scolymia lacera	-	-	-	-	-	-	-	-	-	-
Isophyllia sp.	-	-	-	-	-	-	-	-	-	-
Phyllochaetopterus sp.	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-
Celleporaria magnifica	2	-	-	-	-	-	-	-	-	-
Echinaster sp.	-	-	-	-	-	-	-	-	-	-
Ophiuroidea	-	-	-	-	-	-	-	-	-	-
Ophiothrix suensonii	-	-	-	-	-	2	5	1	-	-
Arbacia sp.	-	-	-	-	-	-	-	-	-	-
Isostichopus badionotus	-	-	-	-	-	-	-	-	-	-
Clavelina picta	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	1
Haemulon sp.	-	-	-	-	-	-	-	-	-	-
Sand	49	90	85	72	72	71	61	46	64	62
Shell rubble	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	51.0	10.0	15.0	28.0	28.0	29.0	39.0	54.0	36.0	38.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.9. QUANTITATIVE SLIDE ANALYSIS DATA FOR STATION 47, CRUISE III.*

Taxon	Slide 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Unidentified biota = virs	2	3	-	-	-	-	-	3	-	-	-	-	-	2	-
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhipocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sargassum sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	3	-	-	-	-	6	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	13	-	-	-	-	-	19	-	12	-	-	-	-
Anthosigmella varians	-	3	-	5	-	-	1	3	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
Geodia gibberosa	-	9	-	1	2	-	-	-	-	-	-	-	15	-	-
Cinachyra spp.	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-
Cinachyra alliclada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myrmekioderma sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	-	-	6	-	2	-	-	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-
Lophogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	53	-	-	-	35	-	-	-	-	-	2	19	-	10	20
Pterogorgia guadalupensis	-	-	-	-	-	-	-	24	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stenorhynchus seticornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gorgonocephalidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encope sp.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	3	-	-	1	-	-	-	-	5	-
Sand	44	85	85	89	63	89	92	54	79	94	86	79	79	83	79
Shell rubble	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	56.0	15.0	15.0	6.0	37.0	11.0	8.0	46.0	21.0	6.0	14.0	21.0	21.0	17.0	21.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.9. (CONTINUED).

Taxon	Slide														
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Unidentified biota = vira	-	1	-	2	-	1	3	-	-	-	-	-	1	-	-
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhipocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	1	-	-	-	-	-	-	4	-	-
Sargassum sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	1	-	2	1	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	4	-	-	35	-	-	6	-	-	8
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliocladа	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myrmekioderma sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-
Lophogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	18	15	-	24	-	-	25	-	-	55	12	-	16	8	2
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stenorhynchus seticornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gorgonocephalidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encope sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-
Sand	82	84	86	74	83	92	62	82	65	45	88	94	79	92	90
Shell rubble	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	18.0	16.0	14.0	26.0	17.0	8.0	32.0	13.0	35.0	55.0	12.0	6.0	21.0	8.0	10.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.9. (CONTINUED).

Taxon	Slide														
	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Unidentified biota = vira	1	-	-	-	-	1	3	2	6	-	2	-	-	-	3
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Rhipocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	3	-	1	1	2	-	-	2	-	-	-	-
Sargassum sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	1	-	-	1	-	-	2	-	6	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	59	-	-	-	-	-
Anthosigmella varians	-	5	-	4	-	5	-	-	7	-	1	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	3	-	-	2	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliaclada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Myrmekioderma sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	2	-	-	-	3	10	16	-	-	-	-	-	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lophogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	10	3	17	13	12	-	-	-	-	-	17	13	17	6	5
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stenorhynchus seticornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gorgonocephalidae	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Encope sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
Sand	89	80	81	80	84	91	92	81	70	20	76	86	83	79	89
Shell rubble	-	11	-	-	-	-	1	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	2	-	-	-	15	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	11.0	9.0	19.0	20.0	16.0	7.0	7.0	19.0	30.0	65.0	24.0	14.0	17.0	21.0	11.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.9. (CONTINUED).

Taxon	Slide														
	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Unidentified biota = vira	3	-	-	-	11	1	-	-	2	-	2	1	-	-	-
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhipocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sargassum sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	1	4	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	2	-	6	-	5	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	-	44	14	12	-	-	15	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliclada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myrmekioderma sp. A	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lophogorgia sp.	-	-	-	-	-	-	10	2	-	-	-	-	-	-	-
Pseudopterogorgia sp.	1	6	6	8	-	10	-	-	-	-	-	45	17	-	10
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stenorhynchus seticornis	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Gorgonocephalidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encope sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	3	7	7	1	5	10	7	4	-	9	4	11
Sand	89	91	88	80	43	82	89	93	42	79	79	51	74	81	79
Shell rubble	-	2	-	8	-	-	-	-	-	-	1	-	-	-	-
Rock	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	11.0	6.0	12.0	12.0	57.0	18.0	11.0	7.0	58.0	21.0	20.0	49.0	26.0	19.0	21.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.9. (CONTINUED).

Taxon	Slide														
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Unidentified biota = vira	-	3	1	2	6	4	-	-	-	-	-	-	-	3	-
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Rhipocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sargassum sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	5	-	-	-	-	-	1	-	-	-
Ircinia campana	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-
Anthosigmella varians	-	-	1	-	-	-	11	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	3	-	-	-	-	-	6	-	-
Geodia gibberosa	-	-	1	8	-	49	-	-	8	8	19	-	-	-	15
Cinachyra spp.	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Cinachyra alliocladа	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myrmekioderma sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	4	-	-	-	5	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lophogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	20	6	-	-	7	-	-	39	-	-	-	-	-	14	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Stenorhynchus seticornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gorgonocephalidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encope sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	6	1	-	5	14	3	6	-	16	7	4	10	5	1	3
Sand	70	90	94	80	61	31	79	61	76	85	77	68	89	82	72
Shell rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	30.0	10.0	6.0	20.0	39.0	69.0	21.0	39.0	24.0	15.0	23.0	32.0	11.0	18.0	28.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.9. (CONTINUED).

Taxon	Slide														
	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
Unidentified biota = vira	-	-	-	5	3	3	2	-	4	-	-	-	3	-	-
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhipocephalus sp.	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	2	-	-	-	-	1	-	-	-	-
Sargassum sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	2	3	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	3	-	-	-	-	-	-	-	6	-
Cinachyra spp.	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Cinachyra alliciada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myrmekioderma sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	25	-	-	-	-	-	-	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lophogorgia sp.	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	6	22	-	23	-	-	-	-	7	19	24	41	21	2	24
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stenorhynchus seticornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gorgonocephalidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encope sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	2	-	-	-	-	-	-	-	-	6	3	-	-	-	-
Sand	88	66	86	72	87	85	95	71	89	75	72	59	73	91	76
Shell rubble	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	12.0	34.0	14.0	28.0	13.0	13.0	5.0	29.0	11.0	25.0	28.0	41.0	27.0	8.0	24.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.9. (CONTINUED).

Taxon	Slide									
	91	92	93	94	95	96	97	98	99	100
Unidentified biota = vira	-	1	5	-	1	1	-	-	1	-
Cyanophyta	-	-	-	-	-	-	-	-	-	-
Rhipocephalus sp.	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	1	-	-
Sargassum sp.	-	-	-	-	8	-	-	-	-	-
Rhodophycophyta	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	1	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	4	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	5	-	-	-	-
Haliclona viridis	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	3	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	4
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	3	-	-	12	-	-	10	-	-	-
Cinachyra spp.	-	-	1	-	-	-	-	1	-	-
Cinachyra alliaclada	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-
Myrmekioderma sp. A	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-
Octocorallia-Gorgonacea	3	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	-	-	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-
Lophogorgia sp.	3	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	2	12	-	-	-	-	10	8	32	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-
Cladocora arbuscula	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-
Stenorhynchus seticornis	-	-	-	-	-	-	-	-	-	-
Gorgonocephalidae	-	-	-	-	-	-	-	-	-	-
Encope sp.	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	6	-	1	-	-	-	-	-	-
Sand	89	81	90	83	91	92	78	90	67	96
Shell rubble	-	-	-	-	-	2	2	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	11.0	19.0	10.0	17.0	9.0	6.0	20.0	10.0	33.0	4.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 in most cases) overlying each taxon or substrate type.

TABLE E.10. QUANTATIVE SLIDE ANALYSIS DATA FOR STATION 51, CRUISE III.*

Taxon	Slide														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Unidentified biota = vira	1	3	4	-	2	6	2	4	5	4	6	6	1	-	6
Cyanophyta	-	-	-	-	-	-	-	-	-	3	-	-	2	-	-
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halimeda sp.	5	6	-	8	33	1	-	-	-	-	-	-	8	-	-
Rhipocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	3	-	2	2
Dictyota sp.	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-
Rhodophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	1	-	-	2	-	-	3	-	13	3	-	1	-
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eurypongia rosea	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra silicieda	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	10	1	-	6	4	7	-	9	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	8	-	-	-	-	-	8
Zoantheria-Scleractinia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophyllia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Majidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Celleporaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lytechinus variegatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Holothuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	7	-	-	-	-	-	-	-	-	-	-	7	-
Botryllus schlosseri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Epinephelus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rypticus maculatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon sp.	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	91	90	55	92	65	86	88	90	76	87	45	81	89	81	84
Shell rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	9.0	10.0	41.0	8.0	35.0	14.0	12.0	10.0	24.0	13.0	55.0	19.0	11.0	19.0	16.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.10. (CONTINUED).

Taxon	Slide														
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Unidentified biota = virs	-	4	11	6	9	7	7	1	1	4	8	4	10	1	6
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Halimeda sp.	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-
Rhipocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Dictyota sp.	-	-	-	2	1	-	7	13	-	17	-	-	3	2	1
Rhodophycophyta	-	-	-	-	-	-	-	-	-	6	-	-	-	-	1
Corallinaceae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	2	-	-	1	1	-	-	4	1	-	1	-	5
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euryspongia rosea	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-
Igernella notabilis	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Haliclona spp.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Microciona sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Placospongia melobesioides	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Cinachyra spp.	-	1	-	-	2	3	-	-	-	-	1	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Cinachyra allocladа	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	5	-	-	-	-	-	13	-	-	-	-	3	-	2	4
Carejoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	6	-	4	-	-	1	-	-	-	-	1	-	4	-	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	1	-	-	-	-	-	-	18	-
Pterogorgia guadalupensis	-	14	-	-	-	-	-	-	-	-	-	-	1	-	-
Zoantharia-Scleractinia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea sp.	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
Isophyllia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Majidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calleporaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lytechinus variegatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Holothuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-
Botryllus schlosseri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Epinephelus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rypticus maculatus	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Haemulon sp.	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Sand	86	73	82	88	83	53	65	74	91	69	87	90	76	77	71
Shell rubble	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	1	-	-	-	27	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	14.0	25.0	18.0	12.0	17.0	20.0	35.0	26.0	9.0	31.0	13.0	10.0	24.0	23.0	29.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.10. (CONTINUED).

Taxon	Slide														
	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Unidentified biota = vira	3	6	6	11	2	15	15	16	7	6	3	10	5	7	8
Cyanophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halimeda sp.	-	-	-	1	21	-	-	-	-	1	-	-	-	-	-
Rhipocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	2	2	-	-	-	2	-	-	1	2	1	3	1	2
Dictyota sp.	-	2	3	5	-	1	-	1	1	3	5	-	-	4	-
Rhodophycophyta	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	2	1	6	-	1	4	4	-	1	3	1	4	1	-
Ircinia campana	-	-	-	2	-	3	-	-	-	6	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Ircinia felix	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Eurypongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Placospongia melobesioides	-	-	-	-	-	1	-	-	-	-	2	1	-	1	-
Epipolasis lithophaga	-	4	-	-	-	-	-	4	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	3	-	-	-	-	-	1	-
Cinachyra kuekenthali	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra allocteda	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	5	1	-	4	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Carejoa riisei	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	-	-	-	2	-	-	-	1	9	-	-	-	-	9	8
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	12	-	2	-	-
Zoantharia-Scleractinia	-	-	-	-	-	-	-	-	2	-	-	1	-	-	-
Siderastrea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophyllia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Majidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Celleporaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lytechinus variegatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Holothuroidea	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botryllus schlosseri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Epinephelus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rypticus maculatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon sp.	-	-	-	-	-	-	3	-	3	-	-	-	1	-	-
Sand	85	76	68	73	77	77	68	71	78	82	64	84	85	71	80
Shell rubble	-	-	-	-	-	-	2	-	-	-	-	-	-	1	1
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	15.0	24.0	32.0	27.0	23.0	23.0	30.0	29.0	22.0	18.0	36.0	16.0	15.0	28.0	19.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.10. (CONTINUED).

Taxon	Slide 46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Unidentified biota = virs	-	5	9	10	9	5	1	3	1	-	6	-	1	5	13
Cyanophyta	1	-	-	-	-	-	-	-	-	-	-	3	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halimeda sp.	12	-	-	-	-	-	-	7	7	13	-	7	-	-	-
Rhipocephalus sp.	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Udotea sp.	-	6	-	2	2	2	-	-	-	-	1	-	2	-	-
Dictyota sp.	-	3	1	3	-	-	-	-	-	-	-	-	-	1	-
Rhodophycophyta	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	6	1	6	10	-	-	-	-	-	-	-	-	1
Ircinia campana	-	-	-	4	-	-	14	-	-	-	-	-	-	-	4
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euryspongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apiysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	3	-	-	-	-	-	-	-	-	-	2
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-
Placospongia melobesioides	-	2	1	-	3	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliocleda	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Plexauridae	-	12	8	-	-	-	-	-	-	-	-	-	2	8	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	15	-	2	-	-
Zoantharia-Scleractinia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophyllia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Majidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Celleporaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lytechinus variegatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Holothuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	2	3	-	-	-	-	-	-	-	-	-	-	-
Botryllus schlosseri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	1	3	2	-	-	-	-	-	-	-	-	-
Epinephelus sp.	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Ryptichus maculatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	87	69	71	76	73	81	85	90	92	85	78	90	90	85	79
Shell rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	13.0	31.0	29.0	24.0	27.0	19.0	15.0	10.0	8.0	15.0	22.0	10.0	10.0	15.0	21.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.10. (CONTINUED).

Taxon	Slide														
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Unidentified biota * virs	11	8	-	-	-	1	-	2	10	1	-	-	1	5	1
Cyanophyta	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halimeda sp.	-	-	4	8	9	4	22	6	22	-	-	18	-	-	-
Rhipocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	2	1	-	-	-	1	-	-	1	4	-	-	-	-	-
Dictyota sp.	5	2	-	-	-	-	-	-	-	-	-	5	4	-	-
Rhodophycophyta	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	5	1	-	-	-	-	-	-	-	-	-	-	2	-	1
Ircinia campana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euryspongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geodia gibberosa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliciada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Plexauridae	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	12	-	-	21	13
Zoantharia-Scleractinia	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Siderastrea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophyllia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Majidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Celleporaria sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lytechinus variegatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Holothuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botryllus schlosseri	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Epinephelus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rypticus maculatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon sp.	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Sand	73	86	96	92	87	94	77	85	67	93	88	77	91	74	85
Shell rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	27.0	14.0	4.0	8.0	13.0	6.0	23.0	15.0	33.0	7.0	12.0	23.0	9.0	26.0	15.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.10. (CONTINUED).

Taxon	Slide 76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
Unidentified biota = vira	5	5	5	2	9	9	4	5	3	1	2	1	2	3	-
Cyanophyta	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	1	-	-	-	-	-	8	-	3	-	-	-	1
Halimeda sp.	-	-	1	6	-	-	-	-	-	-	-	-	-	-	-
Rhipocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	4	2	1	-	-	2	-	-	-	-	-
Dictyota sp.	-	8	-	-	-	-	1	3	3	-	-	3	-	2	-
Rhodophycophyta	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	4	-	1	-	1	-	-	2	-	4	-	-	-	-	-
Ircinia campana	8	-	-	-	-	-	-	-	-	28	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euryspongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heliciona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heliciona compressa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heliciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Spheciospongia vesparium	23	4	-	-	-	-	-	-	-	-	-	9	-	-	-
Anthosigmella varians	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-
Placospongia melobesioides	3	-	-	-	-	-	-	1	-	-	-	-	4	2	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Geodia gibberosa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	1	-	-	-	1	-	-	1	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliciade	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	2	-	-	-	-	-	-	-	-	-	-	-	4	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cerajoa riisei	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-
Plexauridae	-	-	-	-	2	-	-	-	-	-	1	1	-	-	-
Muricea spp.	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	15	-	-	-	-	-	36
Pterogorgia guadalupensis	-	-	4	-	-	17	-	-	-	-	-	-	-	-	-
Zoantharia-Scleractinia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siderastrea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophyllia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Majidae	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Schizoporella unicornis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Celleporaria sp.	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-
Lytechinus variegatus	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Holothuroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botryllus schlosseri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-
Epinephelus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rypticus maculatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	57	81	83	90	80	71	88	81	70	64	88	86	87	78	63
Shell rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	4	-	-	-	-	-	-	-	-	3	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	43.0	19.0	17.0	10.0	16.0	29.0	12.0	19.0	30.0	36.0	12.0	14.0	13.0	19.0	37.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.10. (CONTINUED).

Taxon	Slide									
	91	92	93	94	95	96	97	98	99	100
Unidentified biota - vira	7	3	2	4	4	3	8	5	4	1
Cyanophyta	-	-	-	-	-	-	-	-	-	-
Chlorophycophyta	-	-	-	-	-	-	-	1	-	-
Halimeda sp.	-	4	1	-	-	-	-	-	-	3
Rhipocephalus sp.	-	-	-	-	-	-	-	-	-	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-
Dictyota sp.	-	1	5	-	3	-	3	3	6	2
Rhodophycophyta	-	10	4	-	1	1	-	1	-	-
Corallinaceae	-	-	-	-	-	-	-	-	-	-
Porifera	-	4	2	3	-	1	6	4	-	-
Ircinia campana	9	-	1	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-
Ircinia felix	-	-	-	-	-	-	-	-	-	-
Eurypongia rosea	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-
Igernella notabilis	-	-	-	-	1	-	-	2	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-
Haliclona compressa	-	-	-	-	-	-	-	-	-	-
Haliclona spp.	-	-	-	-	-	-	-	-	-	-
Siphonodictyon sp. A	-	-	-	-	-	-	-	-	-	-
Microciona sp. A	-	-	-	-	-	-	-	-	-	-
Microciona spp.	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	1	-	-	-	-
Spheciospongia vesparium	-	-	-	-	38	8	-	4	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	2	-	-	10	-	2	1	-	-
Epipolasis lithophaga	-	-	-	-	-	-	-	-	-	5
Geodia gibberosa	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-
Cinachyra kuekenthali	-	-	-	-	-	-	-	-	-	-
Cinachyra alliocieda	-	-	1	-	-	-	-	-	-	-
Axinellidae	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	-	-
Homaxinella waltonsmithi	-	-	-	-	-	-	-	-	-	1
Pseudaxinella lunaecharta	-	-	-	-	-	-	1	-	-	-
Hydrozoa-Hydroida	-	-	-	-	-	-	-	-	-	-
Carijoa riisei	-	-	-	36	-	-	-	-	-	-
Plexauridae	-	6	-	-	-	3	-	-	-	1
Muricea spp.	-	-	-	-	-	-	-	-	-	-
Pseudopterogorgia sp.	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	12	-	-	2	-	14	-
Zoantharia-Scleractinia	-	-	-	-	-	-	-	-	-	-
Siderastrea sp.	-	-	-	-	-	-	-	-	-	-
Solenastrea hyades	-	-	-	-	-	-	-	-	-	-
Isophyllia sp.	-	-	-	-	-	-	-	-	-	-
Majidae	-	-	-	-	-	-	-	-	-	-
Schizoporella unicornis	-	-	2	-	-	-	-	-	-	-
Celleporaria sp.	-	-	-	-	-	-	-	-	-	-
Lytechinus variegatus	-	-	-	-	-	-	-	-	-	-
Holothuroidea	-	-	-	-	-	-	-	-	-	-
Clavelina gigantea	-	-	-	1	-	-	-	-	-	-
Botryllus schlosseri	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	1	-	-	-	-	-	-
Epinephelus sp.	-	-	-	-	-	-	-	-	-	-
Rypticus maculatus	-	-	-	-	-	-	-	-	-	-
Haemulon sp.	-	4	-	-	-	-	-	-	-	-
Sand	84	66	77	43	33	83	78	79	76	84
Shell rubble	-	-	-	-	-	-	-	-	-	-
Rock	-	-	5	-	10	-	-	-	-	3
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	16.0	34.0	18.0	57.0	57.0	17.0	22.0	21.0	24.0	13.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.11. QUANTITATIVE SLIDE ANALYSIS DATA FOR STATION 52 (NIGHT), CRUISE III.*

Taxon	Slide														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Unidentified biota = vira	2	3	2	13	6	9	5	11	6	22	11	6	13	6	-
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	4	-	3	1	6	-	-
Spongia sp.	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-
Ircinia campana	-	7	-	-	-	-	4	-	-	9	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-
Euryspongia rosea	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	-	-	17	4	30	19	-	10	-	-	-	1	-	-
Cliona delitrix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-
Cinachyra alliodada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	20	-	14	-	7	-	-	15	11	4	12	-	12	21	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gorgonocephalidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ogcocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	78	89	84	70	83	57	72	74	69	62	74	79	59	72	82
Shell rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	22.0	11.0	16.0	30.0	17.0	43.0	28.0	26.0	31.0	38.0	26.0	21.0	41.0	28.0	18.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.11. (CONTINUED).

Taxon	Slide														
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Unidentified biota = virs	-	4	5	9	9	6	5	4	4	1	6	4	-	1	8
Udotea sp.	-	-	-	-	-	-	-	-	-	-	-	8	-	-	1
Porifera	-	5	-	-	1	1	-	-	2	-	-	-	-	-	-
Spongia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	5	-	3	-	-	-	-	-	-	-	-
Ircinia strobilina	-	-	-	7	-	11	-	-	-	-	-	-	-	-	-
Ircinia spp.	7	-	-	-	-	-	-	-	-	13	-	-	-	-	-
Euryspongia rosea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	6	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	6	-	-	-	-	-	-	-	2	-	-	-
Anthosigmella varians	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	-	-	-	-	2	3	-	-	-	-	-	-	-	-	-
Cliona delitrix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra alliodada	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Axinella spp.	-	6	1	-	-	-	-	6	-	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Carejoa riisei	3	-	-	-	-	-	-	-	2	-	-	-	11	-	-
Plexauridae	-	-	-	-	10	-	5	1	23	-	15	-	7	2	-
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-	-	-	-	10	-	-	-	-	21	13
Gorgonocephalidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ogcocephalus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sand	84	63	88	78	70	79	85	89	59	82	79	82	82	76	77
Shell rubble	-	22	-	-	1	-	-	-	-	4	-	-	-	-	-
Rock	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PERCENT BIOTA	16.0	15.0	11.0	22.0	29.0	21.0	15.0	11.0	41.0	14.0	21.0	18.0	18.0	24.0	23.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.11. (CONTINUED).

Taxon	Slide														
	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Unidentified biota = vira	14	-	-	5	5	1	12	4	3	-	-	5	2	2	-
Udotea sp.	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	1	6	5	-	18	1	4	1	-	3	-	-	-	-	-
Spongia sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ircinia campana	-	-	-	-	-	-	-	15	4	11	-	-	10	-	-
Ircinia strobilina	-	-	-	-	-	-	3	-	-	2	-	-	5	-	-
Ircinia spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euryspongia rosea	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haliclona sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-
Niphates erecta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulosa ?hispida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placospongia melobesioides	7	3	7	-	2	-	-	-	-	-	12	7	-	22	-
Cliona delitrix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinachyra spp.	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Cinachyra alloclada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axinella spp.	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carejoa rilsei	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plexauridae	2	7	9	7	1	5	-	10	-	-	5	1	-	2	26
Muricea spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muricea elongata	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-
Pterogorgia guadalupensis	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-
Gorgonocephalidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Osteichthyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ogcocephalus sp.	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-
Sand	76	84	66	79	74	93	74	70	90	86	83	87	83	67	74
Shell rubble	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100	100	100	100	100	102	100	100	100	100	100
PERCENT BIOTA	24.0	16.0	34.0	21.0	26.0	7.0	26.0	30.0	10.0	15.7	17.0	13.0	17.0	33.0	26.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

TABLE E.11. (CONTINUED).

Taxon	Slide 46	47	48	49	50
Unidentified biota = vira	-	5	8	6	-
Udotea sp.	-	-	-	-	-
Porifera	-	-	9	5	3
Spongia sp.	-	-	-	-	-
Ircinia campana	-	-	-	-	-
Ircinia strobilina	-	-	-	-	-
Ircinia spp.	-	-	-	-	-
Eurypongia rosea	-	-	-	-	-
Aplysina fistularis	-	-	-	-	-
Haliclona sp.	-	-	-	-	-
Niphates erecta	-	-	-	1	-
Ulosa ?hispida	-	-	-	-	-
Spirastrella sp. A	-	-	-	-	-
Spheciospongia vesparium	-	-	-	-	-
Anthosigmella varians	-	-	-	-	-
Placospongia melobesioides	-	3	17	4	-
Cliona delitrix	-	4	-	-	-
Cinachyra spp.	-	-	-	-	-
Cinachyra alliclada	-	-	-	-	-
Axinella spp.	3	-	-	-	-
Pseudaxinella lunaecharta	-	-	-	-	-
Carejoa riisei	-	-	-	-	-
Plexauridae	5	5	-	8	14
Muricea spp.	1	-	-	1	-
Muricea elongata	-	-	-	-	-
Pterogorgia guadalupensis	-	-	-	-	-
Gorgonocephalidae	8	-	-	-	-
Osteichthyes	2	-	-	-	-
Ogcocephalus sp.	-	-	-	-	-
Sand	81	83	66	75	83
Shell rubble	-	-	-	-	-
Rock	-	-	-	-	-
TOTAL POINTS	100	100	100	100	100
PERCENT BIOTA	19.0	17.0	34.0	25.0	17.0

* Slides were analyzed by a random point overlay method. Values are numbers of points (out of 100 total in most cases) overlying each taxon or substrate type.

APPENDIX F

TRIANGLE DREDGE DATA

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TABLE F.1. PHYLOGENETIC LISTING OF TAXA COLLECTED IN TRIANGLE DREDGE SAMPLES.

TAXON	Number of Occurrences												
	Cruise II Stations							Cruise III Stations					
	44	45	47	51 AL	51 LB	52 N	52 D	44	45	47	51	52 N	52 D
ALGAE--Chlorophycophyta (green algae)													
Codium isthmocladum	0	0	0	0	1	0	0	0	0	0	0	0	0
Caulerpa cupressoides	0	0	0	1	0	0	0	0	0	0	0	0	0
Caulerpa cupressoides v. *flabellata*	0	0	0	1	1	0	1	0	0	0	0	0	0
Caulerpa sertularioides	0	0	3	3	2	0	0	0	0	0	0	0	0
Caulerpa mexicana	0	0	1	1	0	0	0	0	0	0	0	0	0
Caulerpa prolifera	0	0	0	1	0	0	0	0	0	0	0	0	0
Halimeda gracilis	0	0	0	1	0	0	0	0	0	0	0	0	0
Halimeda scabra	0	3	0	2	1	0	0	0	3	0	2	0	0
Halimeda incrassata	0	0	3	3	1	0	0	0	0	2	2	0	0
Halimeda goreauii	0	0	0	2	0	0	0	0	0	0	0	0	0
Halimeda tuna	0	0	0	0	1	0	0	0	0	0	0	0	0
Penicillus pyriformis	0	0	1	1	0	0	0	0	0	0	0	0	0
Penicillus capitatus f. *laxus*	0	0	0	0	0	0	0	0	0	1	0	0	0
Penicillus dumentosus	0	0	0	2	0	0	0	0	0	0	0	0	0
Rhipocephalus phoenix	0	1	0	0	0	0	0	0	1	0	0	0	0
Rhipocephalus oblongus	0	2	0	0	0	0	0	0	2	0	0	0	0
Udotea sp.	0	0	0	1	0	0	0	0	0	0	0	0	0
Udotea conglutinata	0	3	3	3	2	1	0	3	3	2	2	3	3
Udotea cyathiformis	0	0	1	0	0	0	0	0	0	1	0	0	0
Palmellaceae	0	0	0	1	0	0	0	0	0	0	0	0	0
ALGAE--Phaeophycophyta (brown algae)													
Phaeophyceae	0	1	0	2	0	0	0	0	0	0	0	0	0
Dictyopteris jamaicensis	0	0	0	3	3	3	3	0	0	0	3	2	3
Dictyota divaricata	0	0	0	0	0	0	0	0	1	0	0	1	1
Dictyota cervicornis	0	0	0	1	0	0	0	0	0	0	0	0	0
Sargassum sp.	0	2	1	0	0	0	0	0	1	3	0	0	0
Sargassum filipendula	0	0	2	0	0	0	0	0	0	0	0	0	0
Sargassum bermudense v. *hellebrandtii*	0	0	0	0	0	0	0	0	0	1	0	0	0
Rosenvingea intricata	0	0	0	0	0	0	0	0	1	0	0	0	0
ALGAE--Rhodophycophyta (red algae)													
Agardhiella subulata	0	0	0	0	0	1	0	1	0	0	2	1	1
Eucheuma isiforme	0	2	0	0	1	1	0	1	0	0	0	0	0
Solierra tenera	0	0	0	0	0	1	0	0	0	0	0	0	0
Hypnea spinella	0	0	0	0	0	0	0	0	0	0	0	1	0
Gracilaria sp.	0	0	1	0	0	0	0	0	0	0	1	1	0
Gracilaria mammillaris	1	2	1	1	0	0	0	1	1	0	0	1	1

TABLE F.1. (CONTINUED).

TAXON	Number of Occurrences												
	Cruise II Stations							Cruise III Stations					
	44	45	47	51 AL	51 LB	52 N	52 D	44	45	47	51	52 N	52 D
Gracilaria debilis	0	1	2	1	1	0	0	0	0	0	0	1	0
Gracilaria cervicornis	0	0	0	0	0	0	0	0	0	0	1	1	2
Gracilaria armata	0	0	1	0	0	0	0	0	0	0	0	0	0
Gracilaria blodgettii	0	0	1	0	0	0	0	0	0	2	1	1	1
Gracilaria compressa	0	0	0	0	0	1	0	0	1	0	0	0	1
Gracilaria usneoides	0	0	0	1	2	0	0	0	0	1	1	1	0
Gracilaria domingensis	0	0	0	0	0	0	0	1	0	0	0	1	0
Gracilaria ?blodgettii	0	0	0	0	0	0	0	0	0	1	0	0	0
Wurdemannia miniata	0	3	0	0	0	0	0	0	2	0	1	0	0
Jania capillacea	0	0	1	1	0	0	0	0	1	1	0	0	0
Lithophyllum sp.	0	0	0	0	0	0	0	0	1	0	0	0	0
Lithophyllum pustulatum	0	0	0	0	0	1	0	0	1	0	0	0	0
Lithophyllum bermudense	0	0	0	0	1	2	1	2	1	0	0	1	1
Lithophyllum absimile	0	0	1	1	0	1	1	0	1	0	0	0	0
Lithophyllum caribaeum	0	0	1	0	0	0	0	0	0	0	0	0	0
Lithophyllum daedalum	0	0	0	1	1	0	0	0	0	0	0	0	0
Lithothamnium calcareum	0	0	1	1	0	1	0	0	0	0	0	0	0
Lithothamnium ruptile	0	1	0	0	0	0	0	0	0	0	0	0	0
Lithothamnium occidentale	0	0	0	1	1	0	1	0	0	0	0	0	0
Lithothamnium incertum	0	0	0	0	1	0	0	0	0	0	0	0	0
Lithothamnium sejunctum	0	0	0	0	0	0	1	0	0	0	0	0	0
Goniolithon spectabile	0	1	0	0	0	0	0	0	0	0	0	0	0
Melobesieae	2	1	1	1	0	1	2	3	2	1	3	3	2
Melobesieae 1	0	0	0	0	1	0	0	0	0	0	0	0	0
Melobesieae 2	0	0	0	1	1	0	0	0	0	0	0	0	0
Melobesieae 3	0	0	0	1	0	0	0	0	0	0	0	0	0
Cryptonemia luxurians	0	1	0	0	0	0	0	0	0	0	0	0	0
Kallymenia limminghii	0	0	0	0	0	0	0	0	3	0	0	0	0
Halymenia floresia	0	0	0	0	0	0	0	0	0	0	0	1	0
Dudresnaya crassa	0	0	0	0	0	0	0	0	0	0	0	0	1
Dudresnaya ?crassa	0	0	0	0	0	0	0	0	1	0	0	0	0
Champia parvula	0	0	0	0	0	0	0	0	1	0	0	2	0
Lomentaria baileyana	0	0	0	0	0	0	0	0	2	0	0	1	0
Rhodymenia occidentalis	0	0	0	0	0	0	0	0	1	0	0	0	0
Botryocladia occidentalis	0	2	0	0	3	1	2	1	3	2	2	3	3
Botryocladia ?occidentalis	0	0	0	0	0	0	0	1	0	0	0	0	0
Spyridia filamentosa	0	0	0	0	0	1	0	0	0	0	0	0	0
Dasya baillouviana	0	0	0	0	0	0	0	0	0	1	0	0	0
Dasya caraibida	0	0	0	0	0	0	0	0	2	0	0	0	0
Dasyopsis antillarum	0	0	0	0	0	0	0	0	0	1	0	0	0
Laurencia sp.	0	0	0	0	0	0	0	0	0	1	0	0	0

TABLE F.1. (CONTINUED).

TAXON	Number of Occurrences												
	Cruise II Stations							Cruise III Stations					
	44	45	47	51 AL	51 LB	52 N	52 D	44	45	47	51	52 N	52 D
Laurencia intricata	1	3	1	0	1	1	0	0	3	0	3	0	0
Laurencia obtusa	0	0	0	0	0	0	0	0	2	0	1	0	0
Chondria polyrhiza	0	0	0	0	1	1	0	0	0	0	0	0	0
?Polysiphonia sp.	0	0	0	0	0	0	0	0	0	0	1	0	0
SEAGRASS													
Halophila decipiens	0	0	3	3	1	0	0	0	0	0	0	0	0
PORIFERA													
?Leucetta sp.	0	0	0	0	0	1	0	0	0	0	0	0	0
Demospongea-Keratosa-Dictyoceratida	1	0	0	0	0	0	0	0	0	0	0	0	0
Spongia tubulifera	0	0	0	0	0	1	0	1	0	0	0	0	0
Spongia sp. A	1	1	0	0	0	0	0	2	1	0	0	0	0
Hippospongia lachne	0	0	0	0	1	0	0	0	3	0	0	0	0
Hippospongia ?lachne	0	0	0	0	0	0	1	0	0	0	0	0	0
Hyattella intestinalis	0	3	0	0	2	2	2	0	1	0	0	3	3
Ircinia campana	2	2	0	0	3	3	3	3	3	0	3	3	2
Ircinia strobilina	2	3	0	0	3	2	3	1	2	2	2	2	3
Ircinia felix	3	2	1	0	3	2	3	3	3	0	2	3	2
Ircinia spp.	0	0	0	0	0	0	0	0	0	0	0	0	1
?Holopsamma sp. A	0	0	0	0	1	0	0	0	0	0	0	0	0
Dysidea ?janiae	0	0	1	0	0	0	0	0	0	0	0	0	0
Dysidea spp.	0	0	0	0	0	0	1	0	0	0	0	0	0
Euryspongia rosea	2	0	1	0	0	1	2	2	3	1	3	3	3
?Dysidea spp.	0	0	0	0	0	2	0	0	0	0	1	1	1
Aplysina fistularis v. fulva	3	3	1	0	0	1	0	3	4	2	2	0	2
Aplysina sp. A	0	1	0	0	0	0	0	0	0	0	0	0	0
Aiolochroia crassa	3	2	1	0	0	0	0	1	0	3	1	2	1
?Aplysinidae sp. A	0	1	1	0	0	0	0	0	0	0	0	0	0
Keratosa sp. A	1	2	1	1	0	1	1	1	0	1	2	1	1
?Pleraplysillida sp.	0	1	0	0	0	0	1	0	0	0	0	0	0
Chelonaplysilla sp. A	0	1	0	0	0	0	0	0	0	0	0	0	0
Igernella notabilis	2	3	0	0	3	2	3	2	4	2	2	3	3
Igernella ?notabilis	1	0	0	0	0	0	0	0	0	0	0	0	0
?Chelonaplysilla sp.	0	1	0	0	0	0	0	0	0	0	0	0	0
Haliclona compressa	3	2	2	0	3	3	3	2	1	3	3	2	3
Haliclona viridis	0	0	0	0	3	2	3	0	1	1	3	3	3
Haliclona ?compressa	0	0	0	0	1	0	1	0	0	0	0	0	0
Haliclona sp. A	0	0	0	0	0	0	0	2	1	0	0	0	1
Haliclona sp. B	1	3	0	0	0	0	0	3	3	1	1	3	0
Haliclona sp. C	0	0	1	0	2	1	0	2	1	1	2	3	2

TABLE F.1. (CONTINUED).

TAXON	Number of Occurrences												
	Cruise II Stations							Cruise III Stations					
	44	45	47	51 AL	51 LB	52 N	52 D	44	45	47	51	52 N	52 D
Haliclona sp. D	0	1	0	0	1	0	2	2	0	0	0	1	2
Haliclona sp. E	1	0	0	0	0	0	0	0	0	0	0	0	0
Haliclona sp. F	1	0	0	0	0	0	1	0	0	0	0	0	0
Haliclona spp.	2	2	0	1	0	0	2	0	0	0	0	1	1
Gellius sp.	0	1	1	0	0	0	0	1	0	0	0	0	0
Niphates erecta	2	3	0	0	0	1	1	3	3	1	1	3	2
Spinosella sp. A	1	0	0	0	0	0	0	0	0	0	1	0	0
?Sigmadocia sp. A	0	1	0	0	0	0	0	0	1	0	0	0	0
Siphonodictyon sp.	0	0	0	0	0	0	1	0	0	0	0	0	0
Siphonodictyon sp. A	0	2	0	0	2	0	1	0	1	2	1	2	3
Rhizochalina oleracea	1	0	0	0	0	0	0	2	0	1	0	0	0
?Prianos sp.	0	0	0	0	0	0	1	0	2	0	0	0	1
Nepheliospongiidae sp. A	1	0	0	0	0	0	0	0	1	0	0	0	0
?Rhizochalina sp.	0	0	0	0	0	0	0	0	0	0	0	0	1
?Cribrochalina spp.	2	0	0	0	0	0	0	0	0	0	0	0	0
Mycale sp. A	0	0	0	0	0	0	0	0	0	0	1	0	0
Mycale sp. B	0	1	0	0	0	0	0	0	0	0	0	0	0
Neofibularia nolitangere	0	1	0	0	1	2	1	0	3	0	1	1	1
Ulosa ruetzleri	0	0	0	0	0	0	0	0	1	0	0	0	0
Ulosa ?hispida	2	3	0	0	1	1	1	1	4	0	3	1	2
Acarnus sp.	0	0	0	0	0	0	1	0	0	0	0	0	0
Acarnus sp. A	0	0	0	0	0	0	0	1	0	0	0	0	0
Acarnus sp. B	0	1	0	0	0	0	0	0	2	0	0	0	0
Lissodendoryx sp.	1	0	0	0	0	0	0	0	1	0	0	0	0
Lissodendoryx isodictyalis	0	0	0	0	0	0	1	0	0	0	0	1	0
Lissodendoryx sigmata	0	0	0	0	0	0	1	0	0	0	1	0	0
Lissodendoryx sp. A	0	0	2	0	2	2	2	2	0	2	2	3	3
Lissodendoryx sp. B	0	0	0	0	0	1	1	0	0	0	0	0	0
Lissodendoryx sp. C	0	0	0	0	0	0	1	0	0	0	1	1	1
Microciona sp. A	1	2	0	0	2	2	3	0	2	2	2	3	3
Microciona sp. B	1	3	0	0	1	2	1	0	3	0	1	1	2
Microciona sp. C	2	3	0	0	2	2	2	0	1	0	1	2	2
Microciona sp. D	2	2	0	0	0	0	0	0	3	1	1	1	1
Microciona sp. E	0	0	0	0	1	0	0	0	0	0	0	0	0
Microciona spp.	0	0	0	0	0	2	1	0	0	0	0	0	0
Thalysias sp.	0	0	0	0	0	0	0	0	0	0	1	0	0
Thalysias juniperina	2	0	0	0	1	1	0	0	1	0	1	2	0
Thalysias ?juniperina	0	0	0	0	0	0	0	1	2	0	1	0	1
Pandaros acanthifolium	0	0	0	0	0	0	1	1	0	1	0	1	1
?Microciona sp. A	0	0	0	0	1	0	0	0	0	0	0	0	0
?Microciona sp. D	0	0	0	0	0	0	0	0	0	0	0	1	0

TABLE F.1. (CONTINUED).

TAXON	Number of Occurrences												
	Cruise II Stations							Cruise III Stations					
	44	45	47	51 AL	51 LB	52 N	52 D	44	45	47	51	52 N	52 D
?Microciona sp. E	0	1	0	0	0	0	0	0	0	0	0	0	0
?Desmacella sp.	0	1	1	0	0	0	1	0	1	0	1	1	0
?Mycalidae sp. A	1	1	0	0	0	0	0	0	0	0	1	0	0
Hallchondria ?melanadocia	0	0	0	0	0	0	0	0	0	0	0	0	1
Hallchondria spp.	0	1	0	0	0	0	0	0	0	0	0	0	0
Hymeniacidon amphilecta	1	0	0	0	0	0	0	0	0	0	0	0	0
Oxeostilon burtoni	0	0	0	0	0	0	0	0	0	1	0	1	1
Spirastrella sp. A	3	3	1	0	3	3	3	3	4	2	0	3	3
Timea mixta	0	1	0	0	2	1	0	0	0	0	1	0	0
Spheciospongia vesparium	2	2	0	0	3	2	3	3	4	3	3	3	3
Anthosigmella varians	3	3	3	1	3	3	3	3	4	3	3	3	3
?Anthosigmella spp.	0	0	0	0	0	0	0	0	0	1	0	0	0
?Spheciospongia sp.	0	0	0	0	0	0	0	0	0	0	0	1	0
Terpios fugax	0	1	0	0	0	0	0	0	2	0	0	0	0
Suberites sp. A	0	0	0	0	0	0	0	1	0	0	0	0	0
Laxosuberites coerulea	0	0	0	0	0	0	0	0	0	0	1	0	0
Placospongia melobesioides	3	2	0	0	3	2	3	3	3	0	3	3	3
Cliona sp.	0	0	0	0	0	0	0	0	1	0	0	0	0
Cliona delitrix	0	0	0	0	3	0	0	0	3	0	0	0	0
Cliona ?delitrix	0	0	0	0	0	0	0	0	0	1	0	0	0
?Cliona sp.	0	0	0	0	1	0	0	0	0	0	0	0	0
Tethya crypta	1	1	0	0	0	0	0	0	0	0	0	0	0
Tethya seychellensis	1	3	0	0	2	0	1	3	0	0	0	1	2
Tethya sp. A	1	1	0	0	2	0	1	1	2	1	2	2	3
Epipolasis lithophaga	3	2	1	0	2	2	3	2	4	2	3	2	2
Epipolasis ?lithophaga	0	0	0	0	1	0	0	1	0	0	0	0	0
Epipolasis spp.	0	0	0	0	2	1	1	0	0	0	0	0	0
?Epipolasis spp.	0	0	0	0	0	0	0	0	1	0	0	0	0
Myriastra kallitetilla	0	2	0	0	1	0	0	1	1	0	0	0	0
Geodia sp.	1	0	0	0	0	0	0	0	0	0	0	0	0
Geodia neptuni	1	0	0	0	0	0	0	0	0	0	0	0	0
Geodia gibberosa	2	3	2	2	3	3	3	3	4	3	3	3	3
Geodia sp. A	0	0	0	0	0	0	1	0	0	0	0	0	0
Cinachyra kuekenthali	3	3	0	0	3	2	3	2	4	0	2	3	3
Cinachyra alloclada	2	2	2	0	3	1	2	3	4	3	2	3	3
Cinachyra ?kuekenthali	0	0	0	0	0	0	0	0	0	0	0	1	0
Chondrilla nucula	1	1	0	0	1	0	0	1	1	0	1	1	1
Chondrosia sp. A	0	0	0	0	2	0	0	0	0	0	0	0	1
Chondrosia sp. B	0	0	1	0	0	0	0	0	0	0	0	0	0
Axinella bookhouti	2	2	0	1	3	2	2	2	4	3	3	3	2
Axinella polycapella	1	2	1	0	0	0	1	1	2	1	0	0	1

TABLE F.1. (CONTINUED).

TAXON	Number of Occurrences												
	Cruise II Stations							Cruise III Stations					
	44	45	47	51 AL	51 LB	52 N	52 D	44	45	47	51	52 N	52 D
Axinella sp. A	0	0	0	0	0	0	0	1	0	0	0	0	0
Axinella spp.	1	0	0	0	0	0	0	0	0	0	0	0	0
Homaxinella waltonsmithi	3	3	0	0	2	2	2	3	2	2	1	2	2
Pseudaxinella lunaecharta	1	3	0	1	3	2	2	3	3	0	3	3	3
Pseudaxinella sp. A	0	0	0	0	0	0	1	0	0	0	0	0	0
Phakellia folium	0	0	0	0	1	1	0	0	0	0	0	0	0
Ptilacaulis ?spiculifer	0	1	1	0	0	0	0	0	3	0	0	0	0
Myrmekioderma sp. A	0	0	0	0	2	2	2	0	0	0	1	3	1
Higginsia strigilata	0	0	0	0	0	0	0	1	2	0	0	0	2
Hemectyon pearsei	0	0	0	0	2	2	0	1	1	0	1	2	2
?Eurypon sp.	0	0	0	0	0	0	0	1	0	0	0	0	0
CNIDARIA--Hydrozoa													
Corydendrium parasiticum	0	0	0	0	0	0	1	0	0	0	0	0	0
Eudendrium carneum	3	0	0	0	2	3	2	2	0	2	1	2	0
Eudendrium tenellum	0	0	0	0	0	1	0	0	0	0	0	0	0
Campanularia marginata	3	0	2	2	3	1	2	2	0	3	3	2	2
Obelia hyalina	0	0	0	0	0	1	0	0	0	0	0	0	0
Lafoea venusta	0	0	2	0	0	0	0	0	0	0	0	0	0
Acryptolaria pulchella	0	0	0	0	0	1	0	0	0	0	0	0	0
Lafoeina maxima	0	0	0	0	0	1	0	0	0	0	0	0	0
Sertularella conica	0	0	0	0	0	0	0	0	0	1	0	0	0
Sertularia mayeri	0	0	0	0	1	0	0	0	0	0	0	0	0
Sertularia westindica	0	0	1	0	1	0	0	0	0	1	3	0	0
Thyroscyphus ramosus	0	0	0	1	0	0	0	0	0	0	0	0	0
Dyshasia digitalis	0	0	0	1	1	2	2	0	0	0	1	3	1
Synthecium tubithecum	1	0	0	0	0	0	0	0	0	0	0	0	0
Synthecium robustum	0	0	1	0	0	0	0	0	0	0	0	0	0
Hebella calcarata	0	0	0	1	0	0	0	0	0	0	0	0	0
Millepora alcicornis	0	3	1	0	0	0	0	0	2	0	0	0	0
CNIDARIA--Anthozoa													
Carejoa riisei	2	0	0	0	2	3	2	3	0	0	3	3	3
Plexauridae	0	0	1	0	0	0	0	0	0	0	0	0	0
Pseudoplexaura porosa	0	1	0	0	0	1	1	0	2	0	2	3	1
Pseudoplexaura wagenaari	0	1	0	0	2	1	2	1	3	0	1	1	2
Pseudoplexaura flagellosa	0	1	0	0	0	0	0	0	2	1	1	0	0
Eunicea (Euniceopsis) sp.	1	1	0	0	0	0	1	1	3	1	0	1	3
Eunicea calyculata	1	2	2	0	3	3	3	0	2	2	2	1	3
Eunicea knighti	0	0	1	0	0	0	2	0	0	0	0	1	0
Eunicea cf. laciniata	1	0	0	0	0	0	0	1	0	0	0	0	0

TABLE F.1. (CONTINUED).

TAXON	Number of Occurrences													
	Cruise II Stations							Cruise III Stations						
	44	45	47	51 AL	51 LB	52 N	52 D	44	45	47	51	52 N	52 D
Eunicea asperula	0	0	0	0	0	0	0	1	0	0	0	0	1
Eunicea sp. cf. asperula	1	0	0	0	0	0	0	0	0	0	0	0	0
Eunicea clavigera	0	0	0	0	0	0	0	0	0	0	0	0	1
Eunicea sp. cf. tourneforti	0	0	0	0	0	0	0	0	1	0	0	0	0
Eunicea (Euniceopsis) sp. indet.	0	0	0	0	0	0	0	0	0	0	1	0	0
Eunicea ?calyculata	0	1	0	0	0	0	0	0	0	0	0	0	0
Eunicea ?knighti	0	0	0	0	0	1	0	0	2	0	0	2	0
Eunicea ?laciniata	0	0	0	0	0	0	0	0	1	0	0	1	0
Eunicea ?asperula	0	0	0	0	0	0	0	0	1	0	1	2	0
Eunicea ?clavigera	0	0	0	0	0	0	0	0	1	0	0	0	0
Plexaurella sp.	0	0	0	0	0	0	0	1	0	0	0	0	0
Plexaurella nutans	0	3	0	0	1	2	3	1	4	0	0	1	2
Plexaurella fusifera	2	1	1	0	2	2	1	2	4	2	3	2	1
Plexaurella grisea	0	0	0	0	0	0	0	0	0	0	0	0	1
Muricea elongata	1	2	0	0	0	1	2	2	4	2	1	2	2
Muricea laxa	1	2	0	0	0	0	0	0	0	0	0	0	0
Lophogorgia sp.	0	0	0	0	0	0	0	1	0	1	0	0	0
Lophogorgia cardinalis	0	0	2	0	0	0	0	0	0	1	0	0	0
Lophogorgia hebes	3	0	0	0	0	0	0	3	0	0	0	1	0
Leptogorgia virgulata	3	0	0	0	0	0	0	2	0	0	0	0	0
Pseudopterogorgia acerosa	2	3	3	0	0	1	1	0	3	3	2	0	0
Pseudopterogorgia rigida	0	0	0	0	0	0	0	1	3	1	1	0	0
Pseudopterogorgia americana	0	0	0	0	0	0	0	0	2	0	0	0	0
Pterogorgia guadalupensis	3	3	2	0	2	1	3	3	2	0	3	3	3
Anemone sp.	0	2	0	0	0	0	0	0	1	0	1	0	0
Stephanocoenia michelinii	0	3	0	0	1	0	0	0	3	0	0	0	0
Siderastrea siderea	0	0	0	0	1	0	1	0	0	0	0	0	0
Siderastrea radians	2	3	0	0	3	2	1	3	3	1	2	1	2
Porites porites	1	1	0	0	0	0	0	0	0	0	0	0	0
Porites porites divaricata	0	3	0	0	0	0	0	0	4	0	0	0	0
Manicina areolata	0	3	0	0	0	0	0	0	3	0	0	0	0
Cladocora arbuscula	3	3	0	0	0	0	0	3	4	2	0	0	0
Solenastrea hyades	3	3	2	0	3	3	2	3	3	2	3	3	3
Phyllangia americana	2	3	1	1	3	3	3	3	3	0	2	3	3
Oculina robusta	1	0	0	0	0	0	0	0	0	0	0	0	0
Dichocoenia stellaris	0	0	0	0	1	0	0	0	0	0	0	0	0
Scolymia lacera	0	3	0	0	0	0	2	0	3	0	0	2	1
Isophyllia sinuosa	0	3	0	0	1	0	0	0	3	0	0	0	0
TURBELLARIA													
Turbellaria	0	0	0	0	0	0	1	0	0	0	0	0	0

TABLE F.1. (CONTINUED).

TAXON	Number of Occurrences												
	Cruise II Stations							Cruise III Stations					
	44	45	47	51 AL	51 LB	52 N	52 D	44	45	47	51	52 N	52 D
ANNELIDA													
Polychaeta	3	3	1	1	2	2	3	1	4	0	2	2	2
Phyllochaetopterus sp.	0	0	0	0	0	0	0	0	1	0	0	0	0
MOLLUSCA--Gastropoda													
Diodora cayenensis	3	3	2	0	0	0	2	0	3	0	0	0	0
Diodora dysoni	0	0	0	0	0	0	0	0	0	2	0	0	0
Diodora listeri	1	1	0	0	0	0	0	0	0	0	0	0	0
Lucapina suffusa	0	1	0	0	0	0	0	0	0	0	0	0	0
Calliostoma jujubinum	0	0	0	1	0	1	0	0	0	2	0	0	0
Turbo crenulatus	0	0	1	0	0	0	0	0	0	0	0	0	0
Astraea sp.	0	0	0	0	0	0	0	0	1	0	0	0	0
Vermicularia knorii	3	1	1	0	1	1	2	1	1	1	0	1	0
Cerithium atratum	2	1	1	0	1	0	0	1	2	2	3	2	2
Nystella concava	0	0	0	1	0	0	0	0	0	0	0	0	0
Strombus alatus	2	0	2	2	0	1	1	0	2	2	0	3	2
Strombus costatus	0	2	2	1	1	0	0	0	1	3	2	2	3
Crepidula fornicata	0	0	0	0	0	0	0	0	0	0	1	0	0
Crepidula plana	0	0	0	1	0	0	0	1	0	0	1	2	0
Crepidula aculeata	2	3	1	0	2	3	3	3	2	1	3	1	1
Crepidula maculosa	0	0	0	0	0	0	0	0	0	0	0	1	0
Xenophora conchyliophora	0	1	1	0	0	0	0	0	0	0	0	0	0
Lamellaria perspicera	0	0	0	0	1	0	0	0	0	0	0	0	0
Trivia pediculus	0	0	1	0	1	0	0	0	0	0	1	0	0
Trivia suffusa	0	0	0	0	0	0	0	0	0	0	0	1	0
Polinices lacteus	0	0	1	0	0	0	0	0	0	0	0	0	0
Naticarius canrena	0	0	0	0	0	0	0	1	0	0	0	1	0
Chicoreus florifer	1	2	0	0	2	0	1	2	3	2	0	1	0
Chicoreus dilectus	0	0	0	0	0	0	0	0	0	0	2	3	1
Murex rubidus	0	0	1	0	0	1	0	1	0	1	0	1	2
Murex florifer	0	0	0	0	1	0	0	0	0	0	0	0	0
Phyllonotus pomum	1	1	1	0	0	1	0	1	0	1	0	0	0
Favartia cellulosa	0	0	0	0	0	0	0	0	0	0	0	0	1
Calotrophon ostrearum	0	0	1	0	0	0	0	0	0	0	0	2	0
Colubraria lanceolata	0	0	1	0	0	0	0	0	0	0	0	0	1
Pisania tincta	2	0	0	0	0	3	2	0	1	0	2	3	2
Cantharus multangulus	1	0	1	0	0	0	0	0	1	0	0	0	0
Nassarius consensus	0	0	0	0	0	1	0	0	0	0	0	1	0
Nassarius floridensis	0	1	2	1	0	0	0	0	0	0	1	0	2
Latirus carinifera	0	3	0	0	0	0	1	0	1	0	3	1	2
Latirus macgintyi	0	0	0	0	1	0	1	0	0	0	0	0	0

TABLE F.1. (CONTINUED).

TAXON	Number of Occurrences												
	Cruise II Stations							Cruise III Stations					
	44	45	47	51 AL	51 LB	52 N	52 D	44	45	47	51	52 N	52 D
Latirus angulatus	0	0	0	0	0	0	0	0	2	0	0	0	0
Fasciolaria lilium tortugana	0	0	0	0	0	0	0	0	0	0	1	0	0
Fasciolaria tulipa	0	0	0	0	0	0	0	1	1	0	0	2	1
Fasciolaria hunteria	0	0	0	0	0	0	0	1	0	0	1	1	1
Pleuroploca gigantea	2	0	0	1	2	0	0	1	2	0	1	3	1
Leucozonia nassa	0	1	0	0	1	2	0	0	2	0	0	0	0
Oliva circinata	0	0	1	1	0	1	0	1	0	0	0	0	0
Cancellaria reticulata	0	0	0	0	0	0	0	1	0	0	0	0	0
Marginella apicina	0	0	0	1	0	0	0	0	0	0	0	0	0
Prunum roosevelti	0	0	0	0	0	0	0	0	1	0	0	0	0
Prunum carneum	0	0	0	0	1	0	0	0	0	0	0	0	0
Splendrillia moseri	0	0	0	0	0	0	0	0	0	1	0	0	0
Crassispira ostrearum	0	0	0	0	0	0	0	0	1	1	0	0	0
Crassispira leucocyma	0	0	0	0	0	0	0	0	0	0	0	1	0
Crassispira cubana	0	0	1	0	0	0	0	0	0	0	0	0	0
Cryoturris citronella	0	0	1	0	0	0	0	0	0	0	0	0	0
Conus floridanus	0	0	1	1	0	0	0	0	0	3	0	0	0
Conus spurius atlanticus	0	0	0	1	0	1	0	0	0	0	0	0	0
Conus flamingo	0	0	0	1	0	0	0	0	0	0	0	0	0
Conus jaspideus	0	0	0	0	1	1	0	0	0	0	0	2	1
Conus stearnsi	0	1	1	0	0	0	0	0	2	0	0	0	0
Terebra dislocata	0	0	0	0	0	0	0	0	0	2	0	0	0
Terebra onslowensis	0	0	1	1	0	0	0	0	0	0	0	0	0
Terebra glossema	0	0	1	0	0	0	0	0	0	0	0	0	0
Chromodoris sp.	0	0	0	0	0	0	0	1	0	0	0	0	0
Glossodoris sp.	0	0	0	0	0	0	0	0	0	0	0	0	1
Glossodoris edenticulata	0	1	0	0	1	0	0	0	0	0	0	2	2
Dendrodoris krebsii	1	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda eggs	0	1	0	0	0	0	0	1	1	1	0	1	0
MOLLUSCA--Polyplacophora													
Chaetopleura apiculata	0	0	0	0	0	0	0	1	0	0	0	0	0
MOLLUSCA--Bivalvia													
Bivalvia	0	0	0	0	1	0	0	0	0	0	0	0	0
Anadara transversa	0	0	1	0	0	0	0	0	0	0	0	0	0
Anadara notabilis	2	2	1	0	2	1	2	1	1	2	3	2	2
Anadara baughmani	0	0	0	0	0	0	1	0	0	0	0	0	0
Arca zebra	1	3	0	1	2	2	3	0	4	1	1	1	1
Arca imbricata	0	0	0	0	0	1	1	0	1	0	0	0	0
Barbatia candida	0	0	0	0	0	0	0	0	0	0	1	0	0
Glycymeris decussata	0	0	0	0	0	0	0	0	0	0	0	1	1

TABLE F.1. (CONTINUED).

TAXON	Number of Occurrences												
	Cruise II Stations							Cruise III Stations					
	44	45	47	51 AL	51 LB	52 N	52 D	44	45	47	51	52 N	52 D
Musculus lateralis	0	1	0	0	0	0	0	0	0	0	0	0	0
Modiolus americanus	1	1	0	0	0	0	0	0	0	0	0	0	0
Lithophaga sp.	0	0	0	0	0	0	0	0	0	0	0	1	0
Lithophaga bisulcata	1	0	0	0	0	0	0	2	2	0	0	0	1
Lithophaga antillarum	0	1	0	0	0	0	0	0	0	0	0	0	0
Lithophaga nigra	1	1	0	0	0	2	0	0	1	1	0	0	0
Lioberus castaneus	0	0	0	0	0	0	0	0	1	0	0	0	0
Botula fusca	0	0	0	0	0	0	0	0	1	0	0	0	0
Atrina seminuda	1	0	0	0	0	0	0	0	0	0	0	0	0
Pinctada imbricata	1	1	1	0	1	0	2	0	1	0	1	2	1
Pteria colymbus	3	0	1	0	1	0	3	2	4	0	1	1	2
Pecten ziczac	0	0	1	0	0	0	0	0	0	0	0	0	0
Aequipecten muscosus	0	0	1	1	0	0	0	0	0	1	0	0	0
Argopecten gibbus	0	0	0	0	0	0	0	0	0	1	0	0	1
Plicatula gibbosa	0	0	0	0	0	0	0	0	0	0	0	0	1
Spondylus ictericus	0	0	0	0	0	0	0	0	0	1	0	0	0
Spondylus americanus	0	3	0	0	2	0	1	0	2	1	0	1	0
Pododesmus rudis	0	0	0	0	0	0	1	0	0	0	0	0	0
Anomia simplex	0	0	1	0	0	0	0	0	0	2	1	0	1
Ostreola equestris	1	0	0	0	0	0	0	0	0	0	0	0	0
Ostrea rhizophora	0	1	0	0	0	0	1	0	0	0	0	0	0
Lopha frons	2	3	0	0	2	0	0	0	4	0	0	1	1
Laevicardium mortoni	0	0	0	0	0	0	0	0	0	1	0	0	1
Laevicardium laevigatum	0	0	2	0	1	0	0	0	0	0	0	0	0
Laevicardium pictum	0	1	0	0	0	0	0	1	1	0	1	1	1
Trachycardium muricatum	1	2	2	3	1	1	2	0	0	1	1	0	0
Papyridea semisulcata	0	0	0	0	0	0	0	1	0	0	0	0	0
Americardia media	0	0	1	0	0	0	0	0	0	0	0	0	0
Tellina listeri	0	0	1	0	0	0	0	0	0	0	0	0	0
Semele purpurascens	1	0	0	0	0	0	0	0	0	0	0	0	0
Pitar fulminatus	0	0	1	0	0	0	0	0	0	0	0	0	0
Macrocallista maculata	1	0	0	1	0	0	0	0	0	0	0	0	0
Chione cancellata	0	0	0	1	0	0	0	0	0	0	0	1	1
Chione grus	0	1	0	0	0	0	0	0	0	0	0	0	0
Chione mazycki	0	0	1	0	0	0	0	0	0	0	0	0	0
Periglypta listeri	0	0	1	0	0	0	0	0	0	0	0	0	0
Rupellaria typica	0	0	0	0	0	0	2	0	0	0	0	0	0
Myoida	0	0	0	0	0	0	0	0	0	0	0	0	1
Gastrochaena hians	0	0	0	0	2	0	0	0	0	0	0	0	0
Lyonsia beana	1	0	0	0	0	0	0	0	0	0	0	0	0
Arcinella cornuta	0	0	1	0	0	0	0	0	0	0	0	0	0

TABLE F.1. (CONTINUED).

TAXON	Number of Occurrences												
	Cruise II Stations							Cruise III Stations					
	44	45	47	51 AL	51 LB	52 N	52 D	44	45	47	51	52 N	52 D
Chama congregata	0	2	0	0	1	1	0	0	0	0	0	0	0
Chama macerophylla	2	3	0	0	3	2	3	2	4	0	3	2	3
MOLLUSCA--Scaphopoda													
Dentalium sp.	0	0	0	0	0	0	0	0	0	0	0	0	1
Dentalium eboreum	0	0	2	2	0	0	0	0	0	0	0	0	0
MOLLUSCA--Cephalopoda													
Octopus joubini	1	0	1	0	0	1	0	0	0	0	0	0	0
ARTHROPODA--Pycnogonida													
Anoplodactylus insignis	1	0	1	0	1	0	0	0	0	0	0	0	0
ARTHROPODA--Crustacea													
Crustacea-cirripedia	0	0	1	0	0	0	0	0	0	0	0	0	1
Balanus venustus	0	0	0	0	0	0	1	1	0	2	0	1	0
Balanus trigonus	1	0	0	0	0	0	2	1	1	0	0	1	1
Membranobalanus declivis	0	0	0	0	0	0	0	1	0	0	0	0	0
Peracarida-Isopoda	0	0	0	0	0	0	0	0	1	0	0	0	0
Penaeus duorarum	0	0	0	0	0	0	0	0	0	0	1	0	0
Trachypenaeus constrictus	1	0	2	3	2	0	0	0	0	0	0	1	0
Metapenaeopsis sp.	0	0	0	0	1	0	0	0	0	0	0	0	0
Metapenaeopsis goodei	2	0	2	3	2	1	0	0	3	1	2	1	0
Sicyonia laevigatus	2	0	1	1	0	1	0	0	0	0	0	0	0
Sicyonia typica	0	0	1	2	0	1	0	0	0	0	0	0	0
Leptochela serratorbita	0	0	1	0	0	0	0	0	1	0	0	0	0
Leptochela carinata	0	0	0	0	0	0	0	0	0	1	0	0	0
Leptochela bermudensis	1	0	0	0	0	0	0	0	0	0	0	0	0
Periclimenes americanus	0	0	1	0	0	0	0	0	0	0	0	0	0
Periclimenes longicaudatus	0	0	0	1	0	0	2	0	0	0	0	0	0
Periclimenes iridescens	1	0	0	0	0	0	0	0	0	0	0	0	0
Periclimenaeus bredini	1	0	0	0	0	0	0	0	0	0	0	0	0
Periclimenaeus cf. *wilsoni*	0	1	0	0	0	0	0	0	0	0	0	0	0
Alpheus sp.	0	0	0	0	1	0	0	0	0	0	0	0	0
Alpheus normanni	0	0	2	2	1	1	0	0	0	0	0	0	0
Alpheus armillatus	0	0	0	0	1	0	0	1	0	0	0	0	1
Synalpheus sp.	0	0	0	0	1	1	0	0	0	0	0	0	0
Synalpheus cf. *bousfieldi*	0	0	1	0	0	0	1	0	0	0	0	0	0
Synalpheus goodei	1	0	1	0	0	1	0	1	3	2	0	0	0
Synalpheus herricki	0	0	0	0	0	1	1	0	0	0	0	0	0
Synalpheus longicarpus	0	0	1	0	0	0	0	0	0	2	0	0	0

TABLE F.1. (CONTINUED).

TAXON	Number of Occurrences												
	Cruise II Stations							Cruise III Stations					
	44	45	47	51 AL	51 LB	52 N	52 D	44	45	47	51	52 N	52 D
Synalpheus minus	3	0	0	0	2	2	2	2	1	1	2	3	2
Synalpheus pandionis	1	2	0	0	0	0	0	0	1	0	0	0	0
Synalpheus townsendi	3	1	1	0	2	2	3	2	2	1	1	2	2
Synalpheus cf. townsendi	0	0	0	0	1	0	0	0	0	0	0	0	0
Synalpheus brooksi	0	1	1	1	0	0	1	0	0	0	0	0	0
Synalpheus cf. fritzmulleri	0	0	1	0	0	0	0	0	0	0	0	0	0
Synalpheus cf. paraneptunus	0	1	0	0	0	0	0	0	0	0	0	0	0
Synalpheus ?tanneri	0	1	0	0	0	0	1	1	1	2	1	2	1
Synalpheus sp. A	0	0	0	0	0	1	0	0	0	0	0	1	0
Thor sp.	0	0	0	0	1	0	0	0	0	0	0	0	0
Thor floridanus	0	0	0	0	1	0	1	0	0	0	0	0	0
Tozeuma serratum	0	0	0	0	0	0	0	0	1	0	0	0	0
Tozeuma carolinense	0	0	0	0	0	1	0	0	0	0	0	0	0
Trachycaris cf. restrictus	1	0	0	0	0	0	0	0	0	0	0	0	0
Nikoides schmitti	1	1	0	0	0	0	0	0	0	0	0	0	0
Processa spp.	0	0	1	0	1	0	0	0	0	0	0	0	0
Processa bermudensis	0	0	0	0	1	0	0	0	0	0	0	0	0
Scyllarus americanus	1	0	1	1	1	0	0	0	0	0	0	0	1
Scyllarus chacei	0	0	2	1	0	0	0	0	0	0	0	0	0
Pagurus brevidactylus	0	0	1	0	0	0	0	2	2	2	1	2	0
Pagurus stimpsoni	0	0	1	2	2	1	0	0	1	2	3	0	1
Pagurus carolinensis	0	2	0	0	0	0	2	0	0	0	0	0	0
Pagurus impressus	0	0	0	0	0	0	1	0	0	0	0	0	0
Phimochirus holthuisi	0	0	0	0	0	0	0	0	0	1	0	0	0
Petrolisthes galathinus	3	3	2	1	3	3	3	2	2	1	3	3	3
Porcellana sp. indet.	0	0	0	0	0	0	0	0	0	1	0	0	0
Porcellana sayana	0	0	0	0	1	1	1	0	0	0	0	1	1
Megalobrachium soriatum	2	1	0	0	0	0	0	2	1	0	1	0	0
Pagurlstes hummi	2	0	0	1	0	1	0	2	0	3	1	1	1
Pagurlstes punticeps	1	2	2	0	3	1	0	1	0	3	3	0	2
Pagurlstes sericeus	2	0	2	1	1	0	0	0	0	0	0	0	0
Pagurlstes tortugae	3	3	0	0	2	3	3	3	4	2	3	3	2
Pagurlstes cf. paraguanensis	0	0	0	0	0	0	0	0	0	1	0	0	0
Petrochirus diogenes	0	0	1	0	1	1	0	0	0	1	1	1	0
Dromidia antillensis	1	1	1	1	1	1	0	1	1	2	2	2	0
Hypoconcha sabulosa	0	0	0	0	1	0	0	1	0	1	3	1	0
Hypoconcha arcuata	0	0	1	0	0	0	0	1	0	0	0	0	0
Ethusa mascarone americana	0	0	1	0	0	0	0	0	0	0	0	0	0
Calappa flammea	0	0	1	0	0	0	0	0	0	0	0	1	0
Calappa angusta	1	0	0	0	0	0	0	0	0	0	0	0	0
Hepatus epheliticus	0	0	1	0	0	1	0	1	0	2	0	0	0

TABLE F.1. (CONTINUED).

TAXON	Number of Occurrences												
	Cruise II Stations							Cruise III Stations					
	44	45	47	51 AL	51 LB	52 N	52 D	44	45	47	51	52 N	52 D
Hepatus pudibundus	0	0	0	1	0	1	0	0	0	0	0	0	0
Iliacantha intermedia	0	0	3	1	0	0	0	0	0	2	0	0	0
Speloeophorus pontifer	0	0	1	0	0	0	0	0	0	0	0	0	0
Speloeophorus nodosus	0	1	0	0	0	1	0	0	0	0	0	0	0
Ebalia cariosa	0	0	1	1	0	0	0	0	0	0	0	0	0
Heterocrypta granulata	0	0	1	0	0	0	0	0	0	0	0	0	0
Pella mutico	1	0	0	0	0	0	0	0	0	0	0	0	0
Macrocoeloma camptocerum	1	0	2	3	3	0	0	2	0	1	1	2	0
Macrocoeloma cf. trispinosum	3	3	1	0	3	2	0	2	1	3	1	1	3
Metoporhaphis calcarata	1	0	2	0	1	0	0	0	0	1	0	1	0
Microphrys antillensis	0	0	0	0	1	1	0	0	0	0	0	1	1
Mithrax (Mithrax) hispidus	1	0	0	0	1	0	0	0	1	0	1	1	2
Mithrax (Mithrax) pleuracanthus	3	3	3	1	3	3	3	2	3	2	3	3	2
Mithrax (Mithraculus) forceps	3	3	0	1	3	1	1	1	2	2	2	0	1
Pitho lherminieri	0	0	2	1	2	0	0	0	1	0	1	0	0
Pitho anisodon	0	0	0	2	0	0	0	0	0	0	0	0	0
Podochela gracilipes	0	0	1	0	0	0	0	0	0	0	0	0	0
Podochela riisei	2	1	3	0	0	1	0	0	0	2	3	3	2
Podochela sidneyi	0	0	1	0	0	0	0	0	0	0	0	0	0
Stenocionops furcata furcata	0	0	0	0	0	0	0	1	0	1	0	0	0
Stenorhynchus seticornis	0	0	2	0	1	0	0	2	2	2	2	1	0
Tyche emarginata	0	0	1	0	0	0	0	0	0	0	1	0	1
Hemus cristulipes	0	0	0	1	0	0	0	0	0	0	0	0	0
Parthenope sp.	0	0	0	0	0	1	0	0	0	0	0	0	0
Parthenope granulata	0	0	0	1	0	0	0	0	0	0	0	0	0
Parthenope serrata	0	0	2	0	0	0	0	0	0	0	0	0	1
Mesorhoea sexspinosa	0	0	1	0	0	0	0	0	0	0	0	0	0
Portunus sp.	0	0	1	2	0	0	0	0	0	0	0	0	0
Portunus gibbesi	0	0	0	1	0	0	0	1	0	0	0	0	0
Portunus spinimanus	0	0	1	0	0	0	0	0	0	1	0	0	0
Portunus ordwayi	0	0	1	3	0	0	0	0	0	0	0	0	0
Panopeus cf. occidentalis	1	1	0	0	2	0	1	2	0	0	0	2	2
Lobopilumnus agassizi	0	0	2	1	0	0	0	0	0	1	0	0	0
Micropanope sp. A	0	0	0	0	0	0	0	0	0	0	0	0	1
Pilumnus sp.	1	0	0	0	0	0	0	0	0	0	0	0	0
Pilumnus dasypodus	3	1	0	0	3	3	3	3	2	2	2	3	2
Pilumnus floridanus	0	1	0	0	0	0	1	0	0	0	0	0	0
Pilumnus sayi	3	3	2	2	3	3	2	3	4	3	3	3	3
Pilumnus lacteus	0	0	0	0	0	0	0	1	0	0	3	3	1
Pilumnus sp. A	0	0	0	0	3	1	0	0	0	0	0	0	0
Pseudomedaeus agassizi	0	1	0	0	1	0	0	0	0	1	0	0	0

TABLE F.1. (CONTINUED).

TAXON	Number of Occurrences												
	Cruise II Stations							Cruise III Stations					
	44	45	47	51 AL	51 LB	52 N	52 D	44	45	47	51	52 N	52 D
Menippe mercenaria	0	1	0	0	0	0	0	1	0	0	0	0	0
Euryplax nitida	0	0	2	3	0	0	0	0	0	0	0	0	0
Dissodactylus calmani	0	0	0	0	0	0	0	0	0	0	0	0	1
Pinnixa sp. A	0	0	0	0	0	1	0	0	0	0	0	0	0
Squilla rugosa	1	0	0	0	0	0	0	0	0	0	0	0	0
Meiosquilla schmitti	0	0	0	1	0	0	0	0	0	0	0	0	0
Gonodactylus bredini	1	2	1	0	3	1	2	1	3	1	2	0	0
SIPUNCULA													
Sipuncula	0	0	0	0	0	0	0	0	0	1	0	0	0
Phascolion strombi	0	0	0	0	0	1	0	0	0	0	0	0	0
ECHIURA													
Echiura	0	0	0	0	0	0	0	0	0	0	1	0	0
ECTOPROCTA													
Amathia convoluta	3	3	1	0	2	0	0	1	1	3	0	0	0
Amathia distans	0	0	0	0	0	1	0	0	0	0	0	0	0
Zoobotryon verticillatum	0	0	3	0	0	0	0	0	0	0	0	0	0
Aetea anguina	0	0	0	0	0	1	0	0	0	0	0	0	0
Aetea sica	0	0	0	1	0	1	0	0	0	0	0	0	0
Aetea truncata	0	0	0	0	0	1	0	0	0	0	0	0	0
Membranipora tuberculata	0	0	0	0	0	0	1	0	0	0	0	0	0
Antropora tincta	0	0	0	0	0	0	0	0	1	1	1	0	0
Exechonella antillea	0	0	0	1	0	1	0	0	0	0	0	0	0
cf. *Discoporella umbellata*	0	0	0	1	0	0	0	0	0	0	0	0	0
Nellia oculata	0	1	2	2	0	1	1	0	0	2	1	1	1
Caulibugula levinseni	0	0	1	0	0	0	0	0	4	0	0	0	0
Caulibugula armata	0	0	1	1	0	0	0	0	0	0	0	0	0
Scrupocellaria sp.	0	1	0	0	0	0	0	0	2	1	0	0	0
Cupuladria biporosa	0	0	3	2	0	0	0	0	0	3	0	0	0
Cupuladria doma	0	0	0	2	0	0	0	0	0	0	0	0	0
Schizoporella unicornis	3	3	2	0	3	3	3	3	3	2	3	3	3
Stylopoma spongites	0	2	0	2	2	2	2	0	1	1	2	0	2
Hippoporidra edax	0	0	1	0	0	0	0	0	0	0	0	0	0
Cleidochasma contractum	0	0	0	0	1	0	0	0	0	0	0	0	0
Cleidochasma porcellanum	0	0	0	0	0	1	0	0	0	0	0	0	0
Rhynchozoon sp.	0	0	0	0	0	0	0	0	3	0	1	0	0
Rhynchozoon verruculatum	0	0	0	0	0	0	0	0	2	0	0	0	0
Hippallosina rostrigera	0	0	0	0	0	1	0	0	0	0	0	0	0
Celleporaria albirostris	1	2	2	0	2	2	2	0	4	2	3	3	3

TABLE F.1. (CONTINUED).

TAXON	Number of Occurrences													
	Cruise II Stations							Cruise III Stations						
	44	45	47	51 AL	51 LB	52 N	52 D	44	45	47	51	52 N	52 D
Celleporaria magnifica	2	3	0	0	3	3	3	1	4	0	3	3	3
Parasmittina trispinosa	0	0	0	0	0	1	0	0	0	0	0	0	0
Parasmittina spathulata	0	0	0	0	0	0	0	0	1	0	0	0	0
Crisia elongata	0	0	0	3	0	0	0	0	0	3	2	0	0
Diaperoecia floridana	0	0	0	0	0	0	0	0	0	2	0	0	0
ECHINODERMATA--Asteroidea													
Luidia clathrata	0	0	0	0	0	0	0	0	0	1	0	0	0
Luidia alternata	1	0	2	0	0	0	0	1	0	1	0	1	1
Astropecten duplicatus	0	0	1	1	0	0	0	1	0	0	0	0	2
Astropecten articulatus	0	0	1	0	0	0	0	0	0	0	0	0	0
Oreaster reticulatus	0	0	1	0	0	0	0	0	1	0	0	0	0
Echinaster sp.	0	1	1	1	1	0	0	2	4	0	1	0	2
Echinaster spinulosus	0	0	0	0	0	0	0	3	0	0	0	1	1
Echinaster sentus	0	0	0	0	0	0	0	0	1	0	0	1	0
ECHINODERMATA--Ophiuroidea													
Astrophyton muricatum	1	2	0	0	0	0	1	0	0	3	1	0	0
Ophiuridae	1	0	0	0	0	0	0	0	0	0	0	0	0
Ophiolepis elegans	0	0	3	1	0	0	0	0	0	1	0	0	0
Ophionereis reticulata	1	0	0	0	0	1	0	1	0	0	0	0	2
Ophioderma brevispinum	0	0	0	1	2	2	0	0	0	0	0	0	0
Ophioderma cinereum	2	2	0	0	1	0	0	0	1	0	0	0	0
Ophiactis mulleri	2	3	0	0	2	0	1	1	0	0	0	1	0
Ophiostigma isocantha	1	2	1	0	0	0	0	0	1	0	0	0	0
Ophiothrix angulata	3	3	2	0	2	2	3	3	4	2	3	3	3
Ophiothrix suensonii	3	3	1	0	0	0	0	3	4	1	0	0	0
ECHINODERMATA--Echinoidea													
Arbacia punctulata	3	1	0	0	1	1	1	2	2	2	2	1	1
Lytechinus variegatus	0	1	0	0	0	0	0	0	0	0	0	0	0
Lytechinus variegatus carolinus	2	0	1	0	2	2	2	3	0	0	1	1	2
Clypeaster sp.	0	1	0	0	0	0	0	0	0	0	0	0	0
Clypeaster subdepressus	1	2	2	2	0	0	1	2	2	0	1	2	1
Clypeaster rosaceus	0	0	0	0	2	0	1	0	0	0	0	1	1
Encope aberrans	1	0	3	1	0	0	0	0	0	0	0	0	0
Encope michelini	0	0	1	3	0	0	0	2	0	2	0	0	0
ECHINODERMATA--Holothuroidea													
Thyonella pervicax	0	0	1	1	0	0	0	0	0	0	0	0	0
Ocnus pygmaeus	1	0	0	0	0	0	0	1	0	0	0	0	0

TABLE F.1. (CONTINUED).

TAXON	Number of Occurrences												
	Cruise II Stations							Cruise III Stations					
	44	45	47	51 AL	51 LB	52 N	52 D	44	45	47	51	52 N	52 D
Holothuria surinamensis	0	0	0	0	0	1	0	0	0	0	0	0	0
Isostichopus badionotus	0	2	0	0	0	0	1	0	1	1	2	0	0
HEMICHORDATA													
Rhabdopleura compacta	0	0	2	0	0	0	0	0	0	1	0	0	0
UROCHORDATA													
Ascidiacea	0	0	0	0	0	0	0	0	1	0	0	0	0
Cystodytes dellechiajei	1	2	0	0	1	1	2	0	4	0	1	0	1
Clavelina sp.	1	1	2	0	2	2	2	0	2	1	1	1	1
Clavelina gigantea	3	2	0	0	3	2	3	2	2	1	3	3	3
Clavelina picta	0	2	2	0	3	2	3	1	3	1	2	0	2
Distaplia bermudensis	1	0	0	0	1	0	1	0	0	0	1	0	0
Distaplia stylifera	0	0	0	0	0	0	2	0	0	0	0	0	0
Eudistoma sp.	1	0	0	0	0	0	2	1	1	0	1	0	0
Eudistoma capsulatum	0	1	0	0	2	0	2	3	0	1	2	2	3
Eudistoma tarponense	0	0	0	0	1	0	0	0	0	0	3	0	0
Aplidium sp.	0	0	0	0	0	1	0	0	0	0	0	1	1
Aplidium pellucidum	1	0	0	0	0	0	0	0	0	0	0	0	0
Aplidium bermudae	1	0	0	0	2	3	1	0	0	0	0	0	0
Aplidium constellatum	0	0	0	0	0	1	1	0	0	0	2	0	1
Aplidium lobatum	0	2	1	0	1	0	2	0	3	1	3	3	3
Didemnidae	0	0	0	0	0	0	0	0	0	0	0	0	1
Didemnum sp.	0	0	0	0	0	0	0	0	1	0	0	0	0
Didemnum candidum	1	3	2	0	2	1	3	0	4	3	3	3	1
Didemnum candidum fusiferum	0	0	0	0	1	0	0	0	0	0	0	0	0
Didemnum amethysteum	1	1	0	0	0	0	0	1	1	0	1	0	0
Trididemnum sp.	0	0	0	1	1	0	0	0	0	0	0	0	0
Trididemnum savignii	0	1	1	0	1	1	0	0	2	0	2	1	0
Diplosoma macdonaldi	0	0	2	0	0	0	0	0	0	0	0	0	0
Echinoclinum verrilli	1	0	1	0	3	0	1	0	0	1	1	0	2
Ascidia sp.	1	2	1	0	0	0	2	0	0	0	0	0	0
Ascidia interrupta	0	0	0	0	0	0	0	0	0	0	0	1	0
Ascidiacea-stolidobranchiata	0	0	0	0	0	0	0	0	0	0	0	0	1
Styela partita	1	0	0	0	1	1	0	0	2	0	1	0	2
Styela plicata	1	0	0	0	1	0	2	1	1	1	0	2	1
Polycarpa circumarata	0	0	0	0	0	2	1	1	0	0	0	1	1
Polyandrocarpa tincta	1	0	0	0	0	0	0	1	1	1	1	0	1
Polyandrocarpa maxima	0	0	0	0	0	2	0	0	0	0	0	0	0
Pyura vittata	0	2	0	0	0	0	1	0	2	0	0	1	1
Microcosmus exasperatus	1	1	0	0	2	2	0	1	2	0	2	0	2

TABLE F.1. (CONTINUED).

TAXON	Number of Occurrences												
	Cruise II Stations							Cruise III Stations					
	44	45	47	51 AL	51 LB	52 N	52 D	44	45	47	51	52 N	52 D
Botryllioides nigrum	0	1	0	0	1	0	1	0	2	0	2	1	0
Botryllus schlosseri	0	0	0	1	1	1	1	0	0	0	0	0	0
CHORDATA--Vertebrata (Fishes)													
Raja texana	0	0	0	0	0	0	1	0	0	0	0	0	0
Ophichthidae	0	0	1	0	0	0	0	0	0	0	0	0	0
Ichthyapus ophioneus	0	0	1	0	0	0	0	0	0	0	0	0	0
Synodus intermedius	0	1	0	0	0	0	0	0	1	0	0	0	0
Opsanus beta	0	0	0	0	0	1	0	0	0	0	0	0	0
Opsanus pardus	1	0	0	0	1	1	0	0	0	0	0	1	2
Ogcocephalus radiatus	0	0	0	0	0	1	0	0	0	0	0	0	1
Ophidion beani	0	0	0	0	0	0	0	0	0	1	0	0	0
Hippocampus erectus	0	0	1	0	0	0	0	0	0	0	0	0	0
Cosmocampus albirostris	0	0	1	0	0	0	0	0	0	0	0	0	0
Scorpaena brasiliensis	0	0	2	0	0	1	0	1	1	0	0	0	0
Scorpaenodes caribbaeus	1	0	0	0	0	0	0	0	0	0	0	0	0
Prionotus stearnsi	0	0	0	0	0	0	0	0	0	1	0	0	0
Diplectrum sp.	0	0	2	1	0	0	1	0	0	0	0	0	0
Diplectrum bivittatum	1	0	0	0	0	0	0	0	0	0	0	0	0
Serraniculus pumilio	1	0	0	0	2	1	0	0	0	0	0	0	0
Serranus subligarius	3	3	1	0	3	2	1	1	2	1	0	0	1
Rypticus maculatus	0	1	0	0	0	0	0	0	0	0	0	0	2
Apogon sp.	0	1	0	0	0	0	0	0	0	0	0	0	0
Phaeoptyx pigmentaria	0	0	1	0	0	0	0	0	0	0	0	0	0
Haemulon plumieri	0	0	0	1	0	0	0	0	0	0	0	0	0
Halichoeres caudalis	0	0	0	0	0	0	0	0	0	1	0	0	0
Dactyloscopus crossotus	0	0	1	1	0	0	0	0	0	0	0	0	0
Parablennius marmoreus	0	0	1	0	0	0	0	0	0	0	0	0	0
Callionymus bairdi	0	0	1	0	0	0	0	0	0	0	0	0	0
Coryphopterus dicrus	0	0	2	0	1	0	0	0	0	0	0	0	0
Microgobius carri	0	0	1	0	0	1	0	0	0	0	0	0	0
Bothus robinsi	0	0	0	1	0	0	0	0	0	0	0	0	0
Cyclopsetta fimbriata	0	0	0	0	0	0	0	0	0	1	0	0	1
Syacium papillosum	0	0	1	0	0	0	0	0	0	0	0	0	0
Achirus lineatus	0	0	0	0	0	0	0	0	0	0	0	0	1
Gymnachirus melas	0	0	0	0	0	0	1	0	0	1	0	0	0
Symphurus urospilus	0	0	1	1	0	0	0	0	0	2	0	0	0
Monacanthus ciliatus	0	1	0	1	0	0	2	0	0	1	0	1	0
Monacanthus hispidus	1	0	2	0	1	1	1	0	0	1	0	0	0
Lactophrys quadricornis	1	0	0	0	0	0	0	0	0	1	0	0	0

TABLE F.1. (CONTINUED).

TAXON	Number of Occurrences												
	Cruise II Stations							Cruise III Stations					
	44	45	47	51 AL	51 LB	52 N	52 D	44	45	47	51	52 N	52 D
Sphoeroides spengleri	1	0	0	0	0	0	0	0	0	1	0	0	0
Chilomycterus schoepfi	0	0	0	0	0	1	0	0	0	0	0	1	1

Species are listed in the same order as in the Master Taxon List (Appendix K).
Values are number of occurrences out of n = 3 samples per station/cruise.
At Station 51, AL = algal area, LB = live-bottom area.
At Station 52, N = night, D = day.

TABLE F.2. COUNTS OF MOLLUSCS, CRUSTACEANS, ECHINODERMS, AND FISHES IN THE DREDGE COLLECTIONS, CRUISE 11.

TAXON	Station and Replicate																					
	44			45			47			51						52						
	A	B	C	A	B	C	A	B	C	A	B	C	D	E	F	A	B	C	D	E	F
MOLLUSCA--Gastropoda																						
Diodora cayenensis	1	1	3	3	1	1	-	1	1	-	-	-	-	-	-	-	-	-	1	1	-
Diodora listeri	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lucapina suffusa	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calliostoma jujubinum	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-
Turbo crenulatus	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermicularia knorii	4	1	2	1	-	-	-	5	-	-	-	-	-	1	-	-	1	-	-	1	3
Cerithium atratum	5	1	-	3	-	-	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-
Nystelila concava	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Strombus alatus	1	2	-	-	-	-	3	-	7	4	-	1	-	-	-	-	-	6	-	-	1
Strombus costatus	-	-	-	-	1	1	-	8	6	-	-	1	-	1	-	-	-	-	-	-	-
Crepidula plana	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Crepidula aculeata	3	-	1	3	1	4	-	-	2	-	-	-	1	-	4	1	3	1	4	1	8
Xenophora conchyliophora	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Lamellaria perspicera	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Trivia pediculus	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-
Polinices lacteus	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Chicoreus florifer	2	-	-	5	2	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	1
Murex rubidus	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	1	-	-	-
Murex florifer	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Phyllonotus pomum	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-
Calotrophon ostrearum	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Colubraria lanceolata	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Pisania tincta	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4	6	1	4	-	1
Cantharus multangulus	-	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Nassarius consensus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Nassarius floridensis	-	-	-	1	-	-	-	2	1	-	-	1	-	-	-	-	-	-	-	-	-
Latirus cariniferus	-	-	-	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Latirus macgintyi	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	2	-	-
Pleuroploca gigantea	1	-	1	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-
Leucozonia nassa	-	-	-	7	-	-	-	-	-	-	-	-	3	-	-	1	1	-	-	-	-
Oliva circinata	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	1	-	-	-
Marginella apicina	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Prunum carneum	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Crassispira cubana	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cryoturris citronella	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Conus floridanus	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Conus spurius atlanticus	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-
Conus flamingo	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Conus jaspideus	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-
Conus stearnsi	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Terebra onslowensis	-	-	-	-	-	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-
Terebra glossema	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE F.2. (CONTINUED).

TAXON	Station and Replicate																					
	44			45			47			51						52						
	A	B	C	A	B	C	A	B	C	A	B	C	D	E	F	A	B	C	D	E	F
Glossodoris edenticulata	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Dendrodoris krebsii	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLLUSCA--Bivalvia																					
Bivalvia	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Anadara transversa	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Anadara notabilis	9	-	1	-	1	1	-	-	1	-	-	-	1	-	2	-	1	-	1	1	-
Anadara baughmani	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Arca zebra	2	-	-	7	6	14	-	-	-	1	-	-	2	-	2	1	1	-	1	2	1
Arca imbricata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3
Musculus lateralis	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Modiolus americanus	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lithophaga bisulcata	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lithophaga antillarum	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lithophaga nigra	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Atrina seminuda	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pinctada imbricata	1	-	-	1	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	1	1
Pteria colymbus	1	2	2	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	1	1
Pecten ziczac	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Aequipecten muscosus	-	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-
Spondylus americanus	-	-	-	1	2	1	-	-	-	-	-	-	3	-	1	-	-	-	1	-	-
Pododesmus rudis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Anomia simplex	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ostreola equestris	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ostrea rhizophora	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Lopha frons	2	-	1	3	10	10	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Laevicardium laevigatum	-	-	-	-	-	-	-	10	6	-	-	-	-	3	-	-	-	-	-	-	-
Laevicardium pictum	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachycardium muricatum	1	-	-	1	-	2	-	5	6	6	3	1	-	2	-	-	-	3	-	1	1
Americardia media	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Tellina listeri	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Semele purpurascens	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pitar fuliminatus	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Macrocallista maculata	-	3	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Chione cancellata	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Chione grus	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chione mazycki	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Periglypta listeri	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Rupellaria typica	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1
Gastrochaena hians	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Lyonsia beana	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arcinella cornuta	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chama congregata	-	-	-	1	-	1	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-

TABLE F.2. (CONTINUED).

TAXON	Station and Replicate																					
	44			45			47			51						52						
	A	B	C	A	B	C	A	B	C	A	B	C	D	E	F	A	B	C	D	E	F
Chama macerophylla	-	2	3	12	8	3	-	-	-	-	-	-	9	1	4	13	3	-	12	7	5
MOLLUSCA--Scaphopoda																					
Dentalium eboreum	-	-	-	-	-	-	-	5	2	1	-	1	-	-	-	-	-	-	-	-	-
MOLLUSCA--Cephalopoda																					
Octopus joubini	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-
ARTHROPODA--Crustacea																					
Balanus venustus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Balanus trigonus	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	1	-
Trachypenaeus constrictus	-	1	-	-	-	-	3	-	3	1	1	2	1	1	-	-	-	-	-	-	-
Metapenaeopsis sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Metapenaeopsis goodei	2	-	4	-	-	-	-	10	3	2	1	7	1	-	5	-	5	-	-	-	-
Sicyonia laevigatus	1	1	-	-	-	-	1	-	-	-	1	-	-	-	-	1	-	-	-	-	-
Sicyonia typica	-	-	-	-	-	-	-	1	-	3	1	-	-	-	-	-	-	1	-	-	-
Leptochela serratorbita	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptochela bermudensis	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Periclimenes americanus	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Periclimenes longicaudatus	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1
Periclimenes iridescens	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Periclimenaeus bredini	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Periclimenaeus cf. wilsoni	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alpheus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Alpheus normanni	-	-	-	-	-	-	-	1	2	-	3	1	1	-	-	-	1	-	-	-	-
Alpheus armillatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Synalpheus sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-
Synalpheus cf. bousfieldi	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	3
Synalpheus goodei	-	-	2	-	-	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-
Synalpheus herricki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
Synalpheus longicarpus	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Synalpheus minus	2	4	4	-	-	-	-	-	-	-	-	-	1	-	3	4	6	-	-	3	1
Synalpheus pandionis	-	-	2	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synalpheus townsendi	2	2	3	-	1	-	-	-	1	-	-	-	5	-	1	1	4	-	1	1	1
Synalpheus cf. townsendi	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Synalpheus brooksi	-	-	-	3	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1
Synalpheus cf. fritzmulleri	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Synalpheus cf. paraneptunus	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synalpheus ?tanneri	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Synalpheus sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Thor sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Thor floridanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-
Tozeuma carolinense	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-

TABLE F.2. (CONTINUED).

TAXON	Station and Replicate																					
	44			45			47			51						52						
	A	B	C	A	B	C	A	B	C	A	B	C	D	E	F	A	B	C	D	E	F
Trachycaris cf. restrictus	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nikoides schmitti	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Processa spp.	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Processa bermudensis	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Scyllarus americanus	-	-	1	-	-	-	-	-	2	-	-	1	-	2	-	-	-	-	-	-	-
Scyllarus chacei	-	-	-	-	-	-	-	2	1	-	-	1	-	-	-	-	-	-	-	-	-
Pagurus brevidactylus	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Pagurus stimpsoni	-	-	-	-	-	-	-	12	-	2	-	1	1	1	-	1	-	-	-	-	-
Pagurus carolinensis	-	-	-	6	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1
Pagurus impressus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Petrolisthes galathinus	24	5	14	1	1	2	-	1	1	-	-	1	7	5	3	12	9	6	8	8	5
Porcellana sayana	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	-	-	1	-
Megalobrachium soriatum	-	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paguristes hummi	3	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	4	-	-	-
Paguristes punticeps	-	-	1	1	-	3	-	6	3	-	-	-	2	3	1	1	-	-	-	-	-
Paguristes sericeus	2	1	-	-	-	-	-	2	1	-	2	-	-	2	-	-	-	-	-	-	-
Paguristes tortugae	14	7	7	16	17	23	-	-	-	-	-	-	4	-	2	2	3	3	5	5	4
Petrochirus diogenes	-	-	-	-	-	-	-	-	1	-	-	-	-	2	-	-	-	3	-	-	-
Dromidia antillensis	-	-	1	-	1	-	1	-	-	-	1	-	-	1	-	1	-	-	-	-	-
Hypoconcha sabulosa	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Hypoconcha arcuata	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Ethusa mascarone americana	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Calappa flammea	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calappa angusta	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hepatus epheliticus	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	2	-	-	-
Hepatus pudibundus	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-
Iliacantha intermedia	-	-	-	-	-	-	2	2	3	-	-	1	-	-	-	-	-	-	-	-	-
Speloeophorus pontifer	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Speloeophorus nodosus	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Ebalia cariosa	-	-	-	-	-	-	-	2	-	3	-	-	-	-	-	-	-	-	-	-	-
Heterocrypta granulata	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pelia mutica	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Macrocoeloma camptocerum	3	-	-	-	-	-	-	5	1	1	1	2	3	3	2	-	-	-	-	-	-
Macrocoeloma cf. trispinosum	8	1	1	1	1	1	-	-	1	-	-	-	1	2	1	1	2	-	-	-	-
Metoporhaphis calcarata	-	1	-	-	-	-	-	2	1	-	-	-	-	-	1	-	-	-	-	-	-
Microphrys antillensis	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	1	-	-	-	-
Mithrax (Mithrax) hispidus	1	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-
Mithrax (Mithrax) pleuracanthus	12	3	6	6	3	2	1	11	7	-	-	2	20	13	18	10	10	2	8	4	3
Mithrax (Mithraculus) forceps	8	1	2	8	6	6	-	-	-	-	-	1	9	6	6	-	3	-	2	-	-
Pitho lherminieri	-	-	-	-	-	-	-	1	1	-	1	-	1	-	3	-	-	-	-	-	-
Pitho anisodon	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Podochela gracilipes	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Podochela riisei	1	3	-	1	-	-	10	15	4	-	-	-	-	-	-	-	4	-	-	-	-

TABLE F.2. (CONTINUED).

TAXON	Station and Replicate																					
	44			45			47			51						52						
	A	B	C	A	B	C	A	B	C	A	B	C	D	E	F	A	B	C	D	E	F
Podochela sidneyi	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Stenorhychus setICornis	-	-	-	-	-	-	-	3	4	-	-	-	-	-	2	-	-	-	-	-	-
Tyche emarginata	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Hemus cristulipes	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Parthenope sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Parthenope granulata	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Parthenope serrata	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Mesorhoea sexspinosa	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Portunus sp.	-	-	-	-	-	-	2	-	-	3	-	1	-	-	-	-	-	-	-	-	-
Portunus gibbesi	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Portunus spinimanus	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portunus ordwayi	-	-	-	-	-	-	-	2	-	1	1	1	-	-	-	-	-	-	-	-	-
Panopeus cf. occidentalis	2	-	-	-	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	2
Lobopilumnus agassizi	-	-	-	-	-	-	2	3	-	1	-	-	-	-	-	-	-	-	-	-	-
Pilumnus sp.	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pilumnus dasypodus	10	2	5	1	-	-	-	-	-	-	-	-	1	2	1	7	3	3	3	1	5
Pilumnus floridanus	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Pilumnus sayi	9	2	4	10	3	3	-	5	7	-	6	2	5	6	4	6	5	3	4	-	3
Pilumnus sp. A	-	-	-	-	-	-	-	-	-	-	-	-	3	2	1	1	-	-	-	-	-
Pseudomedaeus agassizi	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Menippe mercenaria	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eurypiax nitida	-	-	-	-	-	-	-	3	1	3	2	1	-	-	-	-	-	-	-	-	-
Pinnixa sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Squilla rugosa	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meiosquilla schmitti	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Gonodactylus bredini	-	-	4	6	-	4	-	1	-	-	-	-	4	7	5	-	1	-	-	1	1
ECHINODERMATA--Asteroidea																					
Luidia alternata	-	-	2	-	-	-	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Astropecten duplicatus	-	-	-	-	-	-	-	-	2	7	-	-	-	-	-	-	-	-	-	-	-
Astropecten articulatus	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oreaster reticulatus	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinaster sp.	-	-	-	-	1	-	2	-	-	-	1	-	1	-	-	-	-	-	-	-	-
ECHINODERMATA--Ophiuroidea																					
Astrophyton muricatum	-	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Ophiuridae	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiolepis elegans	-	-	-	-	-	-	9	4	3	-	3	-	-	-	-	-	-	-	-	-	-
Ophionereis reticulata	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Ophioderma brevispinum	-	-	-	-	-	-	-	-	-	-	-	1	4	1	-	2	1	-	-	-	-
Ophioderma cinereum	2	-	1	1	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Ophiactis mulleri	27	-	1	3	2	1	-	-	-	-	-	-	1	-	1	-	-	-	2	-	-
Ophiostigma isocantha	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE F.2. (CONTINUED).

TAXON	Station and Replicate																				
	44			45			47			51						52					
	A	B	C	A	B	C	A	B	C	A	B	C	D	E	F	A	B	C	D	E	F
Ophiothrix angulata	9	7	2	2	7	1	-	1	1	-	-	-	5	-	1	7	8	-	3	7	4
Ophiothrix suensonii	145	60	1	36	19	9	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
ECHINODERMATA--Echinoidea																					
Arbacia punctulata	7	1	1	-	2	-	-	-	-	-	-	-	1	-	-	-	2	-	-	-	1
Lytechinus variegatus	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lytechinus variegatus carolinus	4	-	3	-	-	-	-	4	-	-	-	-	1	-	1	2	2	-	-	2	1
Clypeaster sp.	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clypeaster subdepressus	-	1	-	1	-	1	-	4	1	-	1	4	-	-	-	-	-	-	-	-	4
Clypeaster rosaceus	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	-	-
Encope aberrans	-	-	3	-	-	-	4	1	1	2	-	-	-	-	-	-	-	-	-	-	-
Encope michelini	-	-	-	-	-	-	-	-	1	1	7	3	-	-	-	-	-	-	-	-	-
ECHINODERMATA--Holothuroidea																					
Thyonella pervicax	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Ocnus pygmaeus	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Holothuria surinamensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Isostichopus badionotus	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
CHORDATA--Vertebrata (fishes)																					
Raja texana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Ophichthidae	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Ichthyapus ophioneus	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synodus intermedius	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Opsanus beta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Opsanus pardus	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-
Ogcocephalus radiatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Hippocampus erectus	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Corythoichthys albirostris	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Scorpaena brasiliensis	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	1	-	-	-	-
Scorpaenodes caribbaeus	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diplectrum sp.	-	-	-	-	-	-	-	1	3	1	-	-	-	-	-	-	-	-	-	-	1
Diplectrum bivittatum	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Serraniculus pumilio	-	-	1	-	-	-	-	-	-	-	-	-	-	3	3	1	-	-	-	-	-
Serranus subligarius	6	1	6	1	2	2	-	1	-	-	-	-	2	2	2	2	4	-	1	-	-
Rypticus maculatus	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apogon sp.	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phaeoptyx pigmentaria	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Haemulon plumieri	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-
Dactyloscopus crossotus	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-
Parablennius marmoreus	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Callionymus bairdi	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Coryphopterus dicrus	-	-	-	-	-	-	-	1	1	-	-	-	2	-	-	-	-	-	-	-	-
Microgobius carri	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-

TABLE F.2. (CONTINUED).

TAXON	Station and Replicate																					
	44			45			47			51						52						
	A	B	C	A	B	C	A	B	C	A	B	C	D	E	F	A	B	C	D	E	F
Bothus robinsi	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Syacium papillosum	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Gymnachirus melas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Symphurus urospilus	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Monacanthus ciliatus	-	-	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-	-	1	2	-
Monacanthus hispidus	-	-	1	-	-	-	-	1	1	-	-	-	1	-	-	2	-	-	-	1	-
Lactophrys quadricornis	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphoeroides spengleri	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chilomycterus schoepfi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-

At Station 51, replicates A, B, and C were taken in a soft-bottom, algal area and replicates D, E, and F were taken in a live-bottom area.

At Station 52, replicates A, B, and C were taken at night and replicates D, E, and F were taken during the day.

TABLE F.3. COUNTS OF MOLLUSCS, CRUSTACEANS, ECHINODERMS, AND FISHES IN THE DREDGE COLLECTIONS, CRUISE III.

TAXON	Station and Replicate																		
	44			45				47			51			52					
	A	B	C	A	B	C	D	A	B	C	A	B	C	A	B	C	D	E	F
MOLLUSCA--Gastropoda																			
Diodora cayenensis	-	-	-	3	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Diodora dysoni	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
Callostoma jujubinum	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Astraea sp.	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermicularia knorii	1	-	-	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-	-
Cerithium atratum	-	-	4	7	-	-	2	-	1	5	-	-	-	6	4	-	-	1	1
Strombus alatus	-	-	-	-	-	-	1	2	-	1	-	-	-	9	1	1	8	-	19
Strombus costatus	-	-	-	4	-	-	-	2	2	11	-	-	-	-	4	1	1	1	1
Crepidula fornicata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crepidula plana	1	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-
Crepidula aculeata	2	11	1	2	-	2	-	2	-	-	-	-	-	-	-	1	-	-	3
Crepidula maculosa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Trivia pediculus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trivia suffusa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Naticarius canrena	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Chicoreus florifer	-	2	4	1	1	1	-	1	3	-	-	-	-	1	-	-	-	-	-
Chicoreus dilectus	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	2	-	-
Murex rubidus	-	-	1	-	-	-	-	-	-	2	-	-	-	3	-	-	1	-	1
Phyllonotus pomum	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Favartia cellulosa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Calotrophon ostrearum	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Colubraria lanceolata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Pisania tincta	-	-	-	-	3	-	-	-	-	-	-	-	-	1	1	1	2	1	-
Cantharus multangulus	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Nassarius consensus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Nassarius floridensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Latirus cariniferus	-	-	-	-	2	-	-	-	-	-	-	-	-	1	-	-	1	1	-
Latirus angulatus	-	-	-	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fasciolaria lilium tortugana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fasciolaria tulipa	-	-	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	1	-
Fasciolaria hunteria	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-
Pleuroploca gigantea	1	-	-	-	1	-	1	-	-	-	-	-	-	1	3	1	-	1	-
Leucozonia nassa	-	-	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Oliva circinata	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cancellaria reticulata	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prunum roosevelti	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Splendrillia moseri	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Crassispira ostrearum	-	-	-	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Crassispira leucocyma	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Conus floridanus	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-
Conus jaspideus	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-

TABLE F.3. (CONTINUED).

TAXON	Station and Replicate																		
	44			45				47			51			52					
	A	B	C	A	B	C	D	A	B	C	A	B	C	A	B	C	D	E	F
Conus stearnsi	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Terebra dislocata	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
Chromodoris sp.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glossodoris sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Glossodoris edenticulata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3	4	-
MOLLUSCA-Polyplacophora																			
Chaetopleura apiculata	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLLUSCA--Bivalvia																			
Anadara notabilis	-	-	4	-	-	-	1	-	1	-	-	-	-	4	-	3	-	2	4
Arca zebra	-	-	-	3	4	2	3	-	1	-	-	-	-	4	-	-	1	-	-
Arca imbricata	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Barbatia candida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glycymeris decussata	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-
Lithophaga sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Lithophaga bisulcata	2	1	-	1	3	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Lithophaga nigra	-	-	-	-	-	-	1	-	-	5	-	-	-	-	-	-	-	-	-
Lioberus castaneus	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Botula fusca	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pinctada imbricata	-	-	-	-	-	2	-	-	-	-	-	-	-	1	1	-	-	-	1
Pteria colymbus	1	1	-	1	2	1	1	-	-	-	-	-	-	-	1	-	3	1	-
Aequipecten muscosus	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Argopecten gibbus	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-
Plicatula gibbosa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Spondylus ictericus	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Spondylus americanus	-	-	-	-	1	1	-	-	-	1	-	-	-	-	1	-	-	-	-
Anomia simplex	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	2	-
Lopha frons	-	-	-	3	5	4	3	-	-	-	-	-	-	-	1	-	-	-	2
Laevicardium mortoni	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2	-	-
Laevicardium pictum	-	-	2	-	-	-	1	-	-	-	-	-	-	1	-	-	1	-	-
Trachycardium muricatum	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Papyridea semisulcata	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chione cancellata	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Myoida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
Chama macerophylla	2	-	1	1	2	5	1	-	-	-	-	-	-	11	-	6	25	16	1
MOLLUSCA--Scaphopoda																			
Dentalium sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-

TABLE F.3. (CONTINUED).

TAXON	Station and Replicate																		
	44			45				47			51			52					
	A	B	C	A	B	C	D	A	B	C	A	B	C	A	B	C	D	E	F
ARTHROPODA--Crustacea																			
Balanus venustus	-	260	-	-	-	-	-	44	-	2	-	-	-	-	13	-	-	-	-
Balanus trigonus	-	43	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	1	-
Membranobalanus declivis	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peracarida-Isopoda	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penaeus duorarum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trachypenaeus constrictus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
Metapenaeopsis goodei	-	-	-	3	-	1	1	-	1	-	-	-	-	-	2	-	-	-	-
Leptochela serratorbita	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptochela carinata	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Alpheus armillatus	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Synalpheus goodei	-	1	-	1	1	2	-	-	1	4	-	-	-	-	-	-	-	-	-
Synalpheus longicarpus	-	-	-	-	-	-	-	-	5	4	-	-	-	-	-	-	-	-	-
Synalpheus minus	5	-	1	-	1	-	-	3	-	-	-	-	-	7	1	3	3	1	-
Synalpheus pandionis	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synalpheus townsendi	3	-	1	1	4	-	-	-	1	-	-	-	-	1	1	-	-	1	4
Synalpheus ?tanneri	-	23	-	-	2	-	-	-	1	31	-	-	-	1	-	1	-	-	1
Synalpheus sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Tozeuma serratum	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scyllarus americanus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Pagurus brevidactylus	1	-	1	1	-	-	2	-	1	1	-	-	-	2	-	1	-	-	-
Pagurus stimpsoni	-	-	-	-	1	-	-	-	1	6	-	-	-	-	-	-	1	-	-
Phimochirus holthuisi	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Petrolisthes galathinus	7	-	4	2	-	1	-	-	2	-	-	-	-	10	4	5	4	8	9
Porcellana sp. indet.	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Porcellana sayana	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	3	-	-
Megalobrachium soriatum	1	-	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paguristes hummi	-	1	1	-	-	-	-	1	3	2	-	-	-	-	-	1	1	-	-
Paguristes punticeps	1	-	-	-	-	-	-	1	2	2	-	-	-	-	-	-	2	-	2
Paguristes tortugae	6	8	4	9	52	17	8	-	1	6	-	-	-	17	6	4	4	5	-
Paguristes cf. paraguanensis	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Petrochirus diogenes	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	-	-	-	-
Dromidia antillensis	-	-	1	-	-	2	-	-	4	2	-	-	-	4	-	6	-	-	-
Hypoconcha sabulosa	-	-	1	-	-	-	-	-	-	2	-	-	-	-	-	2	-	-	-
Hypoconcha arcuata	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calappa flammea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Hepatus epheliticus	-	-	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Illacantha intermedia	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
Macrocoeloma camptocerum	1	-	1	-	-	-	-	-	-	2	-	-	-	4	-	2	-	-	-
Macrocoeloma cf. trispinosum	1	-	4	1	-	-	-	2	2	4	-	-	-	6	-	-	2	4	2
Metoporhaphis calcarata	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-
Microphrys antillensis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	-

TABLE F.3. (CONTINUED).

TAXON	Station and Replicate																		
	44			45				47			51			52					
	A	B	C	A	B	C	D	A	B	C	A	B	C	A	B	C	D	E	F
Mithrax (Mithrax) hispidus	-	-	-	1	-	-	-	-	-	-	-	-	-	5	-	-	2	-	4
Mithrax (Mithrax) pleuracanthus	7	-	2	4	4	-	3	-	4	12	-	-	-	9	7	12	-	10	10
Mithrax (Mithraculus) forceps	3	-	-	-	3	-	1	-	1	2	-	-	-	-	-	-	-	-	1
Pitho herminieri	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Podochela riisei	-	-	-	-	-	-	-	-	2	1	-	-	-	2	1	1	2	1	-
Stenocionops furcata furcata	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Stenorhynchus seticornis	1	-	1	1	-	-	1	-	2	3	-	-	-	-	-	2	-	-	-
Tyche emarginata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Parthenope serrata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Portunus gibbesi	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portunus spinimanus	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Panopeus cf. occidentalis	1	-	2	-	-	-	-	-	-	-	-	-	-	2	1	-	1	2	-
Lobopilumnus agassizi	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Micropanope sp. A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Pilumnus dasypodus	5	1	3	-	1	-	4	3	-	1	-	-	-	4	1	1	5	1	-
Pilumnus sayi	10	3	6	2	4	1	4	2	9	9	-	-	-	5	5	13	4	1	8
Pilumnus lecteus	1	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1	-	2	-
Pseudomedaeus agassizi	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Menippe mercenaria	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dissodactylus calmani	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Gonodactylus bredini	-	-	1	3	2	-	1	-	-	2	-	-	-	-	-	-	-	-	-
ECHINODERMATA--Asteroidea																			
Luidia clathrata	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-
Luidia alternata	-	-	2	-	-	-	-	-	2	-	-	-	-	-	1	-	1	-	-
Astropecten duplicatus	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
Oreaster reticulatus	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Echinaster sp.	-	3	1	1	2	1	2	-	-	-	-	-	-	-	-	-	2	-	3
Echinaster spinulosus	4	2	4	-	-	-	-	-	-	-	-	-	-	-	-	3	-	1	-
Echinaster sentus	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
ECHINODERMATA--Ophiuroidea																			
Astrophyton muricatum	-	-	-	-	-	-	-	9	3	4	-	-	-	-	-	-	-	-	-
Ophiolepis elegans	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Ophionereis reticulata	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-
Ophioderma cinereum	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiactis muelleri	-	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Ophiostigma isocantha	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Ophiothrix angulata	15	2	5	2	10	3	2	3	-	2	-	-	-	7	13	5	26	10	27
Ophiothrix suensonii	1	12	15	43	8	10	13	-	6	-	-	-	-	-	-	-	-	-	-

TABLE F.3. (CONTINUED).

TAXON	Station and Replicate																	
	44			45				47			51			52				
	A	B	C	A	B	C	D	A	B	C	A	B	C	A	B	C	D	E	F
ECHINODERMATA--Echinoidea																			
Arbacia punctulata	4	-	3	1	-	-	1	-	1	1	-	-	-	-	1	-	-	-	3
Lytechinus variegatus carolinus	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	3	-	2	7
Clypeaster subdepressus	-	4	2	2	1	-	-	-	-	-	-	-	-	3	1	-	5	-	-
Clypeaster subdepressus	-	4	2	2	1	-	-	-	-	-	-	-	-	3	1	-	5	-	-
Clypeaster rosaceus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-
Encope michelini	2	10	-	-	-	-	-	11	-	4	-	-	-	-	-	-	-	-	-
ECHINODERMATA--Holothuroidea																			
Ocnus pygmaeus	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isostichopus badionotus	-	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
CHORDATA--Vertebrata (fishes)																			
Synodus intermedius	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Opsanus pardus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1
Ogcocephalus radiatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Ophidion beani	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Scorpaena brasiliensis	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prionotus stearnsi	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Serranus subligarius	-	-	1	-	3	-	1	-	-	1	-	-	-	-	-	-	-	-	1
Ryptlcus maculatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-
Halichoeres caudalis	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Cyclopsetta fimbriata	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-
Achirus lineatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Gymnachirus melas	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Symphurus urospilus	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
Monacanthus ciliatus	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-
Monacanthus hispidus	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Lactophrys quadricornis	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Sphoeroides spengleri	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Chilomycterus schoepfi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-

At Station 45, a fourth dredge sample (D) was taken in lieu of a trawl sample after the trawl net was ripped on coral heads.

At Station 52, replicates A, B, and C were taken at night and replicates D, E, and F were taken during the day.

APPENDIX G

OTTER TRAWL DATA

LIST OF TABLES

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TABLE G.1. PHYLOGENETIC LISTING OF TAXA COLLECTED IN OTTER TRAWL SAMPLES.

TAXON	Number of Occurrences											
	Cruise II Stations							Cruise III Stations				
	44	45	47	51 AL	51 LB	52 N	52 D	44	47	51	52 N	52 D
ALGAE--Chlorophycophyta												
Caulerpa cupressoides v. *flabellata*	0	0	0	1	0	0	0	0	0	0	0	0
Caulerpa sertularioides	0	0	0	1	0	0	0	0	0	0	0	0
Caulerpa mexicana	0	0	0	1	0	0	0	0	0	0	0	0
Caulerpa prolifera	0	0	0	1	0	0	0	0	0	0	0	0
Halimeda scabra	0	1	0	0	1	0	0	0	0	1	0	0
Halimeda incrassata	0	0	1	1	0	1	0	0	0	0	0	0
Penicillus dumentosus	0	0	0	1	0	0	0	0	0	0	0	0
Udotea conglutinata	0	0	1	1	0	1	0	0	0	1	1	1
ALGAE--Phaeophycophyta												
Dictyopteris jamaicensis	0	0	0	1	1	1	1	0	0	1	1	1
Dictyota divaricata	0	0	0	0	0	0	0	0	0	0	1	0
Dictyota cervicornis	0	0	0	1	0	0	0	0	0	0	0	0
Sargassum sp.	0	0	0	0	0	0	0	0	1	1	0	0
Sargassum filipendula	0	0	1	0	0	0	0	0	0	0	0	0
ALGAE--Rhodophycophyta												
Eucheuma isiforme	0	0	0	1	0	0	0	0	0	0	0	0
Eucheuma echinocarpum	0	1	0	0	0	0	0	0	0	0	0	0
Gracilaria sp.	0	0	0	0	0	0	0	0	1	0	0	0
Gracilaria debilis	0	0	0	0	0	0	0	0	0	1	0	0
Gracilaria cervicornis	0	0	0	0	0	0	0	0	0	1	0	0
Gracilaria blodgettii	0	0	0	0	1	0	0	0	0	0	1	0
Gracilaria usneoides	0	0	0	0	1	0	0	0	0	0	0	0
Jania capillacea	0	0	1	1	0	0	0	0	0	0	0	0
Lithophyllum sp.	0	1	0	0	1	0	0	0	0	0	0	0
Lithophyllum bermudense	0	0	0	0	0	0	0	0	0	0	1	0
Lithophyllum absimile	0	0	0	0	1	0	0	0	0	0	0	0
Lithothamnium incertum	0	0	0	1	0	0	0	0	0	0	0	0
Melobesieae	0	0	1	0	0	0	0	0	0	0	0	0
Halymenia floresia	0	0	0	0	0	0	1	0	0	0	0	0
Lomentaria balleyana	0	0	0	0	0	0	0	0	0	0	0	1
Botryocladia occidentalis	0	1	0	1	1	1	0	0	0	0	0	0
Dasya ballouviana	0	0	0	0	0	0	0	0	0	0	1	0
Dasyopsis sp.	0	0	0	0	0	0	0	0	0	0	0	1
Dasyopsis antillarum	0	0	0	0	0	0	0	0	1	0	0	0
Chondria polyrhiza	0	0	0	1	1	0	0	0	0	0	0	0
SEAGRASS												
Halophila decipiens	0	0	1	1	0	0	0	0	0	0	0	0

TABLE G.1. (CONTINUED).

TAXON	Number of Occurrences												
	Cruise II Stations							Cruise III Stations					
	44	45	47	51 AL	51 LB	52 N	52 D	44	47	51	52 N	52 D
PORIFERA													
Spongia sp. A													
Hyattella intestinalis	1	0	0	0	0	1	1	0	0	0	1	1
Ircinia campana	1	0	0	0	1	0	1	1	1	1	1	1
Ircinia strobilina	0	1	0	0	1	1	0	0	0	1	1	1
Ircinia felix	1	0	0	0	1	1	1	1	0	0	1	0
Ircinia ?campana	0	0	0	0	0	0	1	0	0	0	0	0
?Oligoceras sp.	0	0	1	0	0	0	0	0	0	0	0	0
Dysidea spp.	0	0	0	0	1	0	0	0	0	0	0	0
Euryspongia rosea	0	0	0	0	1	0	0	0	1	1	1	1
?Dysidea spp.	0	0	0	0	0	1	0	0	0	0	0	0
Aplysina fistularis v. fulva	1	1	0	0	0	0	1	1	1	0	0	1
Aplysina sp. A	0	1	0	0	0	0	0	0	0	0	0	0
Aiolochroia crassa	0	0	0	0	0	0	0	1	1	0	0	0
Keratosa sp. A	0	0	0	0	1	0	0	1	1	0	1	0
Chelonaplysilla sp.	0	0	0	1	0	0	0	0	0	0	0	0
Igernella notabilis	1	1	0	0	0	1	1	1	0	1	0	1
Haliclona compressa	1	0	1	0	1	1	1	1	1	1	1	1
Haliclona viridis	0	0	0	0	1	1	1	0	0	1	0	1
Haliclona sp. A	0	0	0	0	0	0	0	1	0	0	0	0
Haliclona sp. B	0	0	0	0	0	0	0	0	0	0	0	1
Haliclona sp. C	0	0	0	0	1	0	0	1	1	0	0	0
Haliclona sp. D	0	0	0	0	0	1	1	0	0	0	0	0
Haliclona sp. E	0	1	0	0	0	0	0	0	0	0	0	0
Haliclona spp.	0	1	0	0	0	0	0	0	0	0	1	0
Niphates erecta	1	1	0	0	0	1	0	1	0	0	1	1
?Sigmadocia sp. A	0	0	0	0	1	0	0	0	0	0	0	0
?Sigmadocia sp.	0	0	0	0	0	0	0	0	0	0	1	0
Siphonodictyon sp. A	0	0	0	0	0	0	0	0	0	0	1	1
?Siphonodictyon sp. A	1	0	0	0	0	0	0	0	0	0	0	0
Neofibularia nolitangere	0	0	0	0	0	0	0	0	0	1	1	1
Ulosa ?hispida	0	1	0	0	0	0	0	0	0	1	1	1
Tedania ignis	0	0	0	0	0	0	0	0	0	0	1	0
Microciona sp. A	0	0	1	0	1	1	1	0	1	1	1	1
Microciona sp. B	0	1	0	0	0	0	0	0	0	0	0	0
Microciona sp. C	0	0	0	0	0	0	1	0	0	1	0	1
Microciona sp. D	0	0	0	0	0	0	0	0	1	1	0	0
Thalysias juniperina	1	0	0	0	0	1	0	0	0	1	0	1
?Microciona sp.	0	1	0	0	0	0	0	0	0	0	0	0
Halichondria melanadocia	0	0	0	0	0	0	0	0	0	1	0	0
Spirastrella sp. A	1	1	0	0	1	1	1	1	1	1	0	0

TABLE G.1. (CONTINUED).

TAXON	Number of Occurrences											
	Cruise II Stations							Cruise III Stations				
	44	45	47	51 AL	51 LB	52 N	52 D	44	47	51	52 N	52 D
Timea mixta	0	1	0	0	0	0	0	0	0	0	0	0
Spheciospongia vesparium	0	0	0	0	1	1	1	0	1	1	1	1
Anthosigmella varians	0	1	1	0	1	1	1	1	1	1	0	1
Terpios fugax	0	1	0	0	0	0	0	0	0	0	0	0
Suberites sp.	0	0	0	0	1	0	0	0	0	0	0	0
Suberites sp. A	0	0	0	0	1	0	0	0	0	0	0	0
Placospongia melobesioides	0	1	0	0	1	1	1	1	0	0	0	1
Tethya seychellensis	0	0	0	0	0	0	1	0	0	1	0	1
Tethya sp. A	0	0	0	0	1	0	0	0	0	0	0	0
Epipolasis lithophaga	0	1	0	0	1	1	0	1	1	0	1	1
Epipolasis ?lithophaga	0	0	0	0	0	0	0	0	1	0	0	1
Myrlastra kallitetilla	0	0	0	0	0	0	0	0	0	0	0	1
Geodia gibberosa	0	1	1	0	1	1	1	0	1	1	0	1
Cinachyra kuekenthali	0	0	0	0	1	1	1	0	0	1	0	1
Cinachyra alliocladа	1	1	0	0	1	1	1	1	0	1	1	1
Chondrilla nucula	0	1	0	0	1	0	0	0	0	1	0	0
?Plakina sp.	0	0	0	0	0	1	0	0	0	0	0	0
Axinella bookhouti	0	0	0	0	1	1	1	1	0	1	1	1
Axinella polycapella	1	1	0	0	0	0	0	0	0	0	0	0
Axinella sp. A	0	0	0	0	0	0	0	1	0	0	0	0
Axinella spp.	0	0	0	0	1	0	0	0	0	0	0	0
Homaxinella waltonsmithi	1	0	0	0	1	1	0	1	0	1	0	0
Pseudaxinella lunaecharta	0	1	0	0	0	1	1	0	0	1	1	1
Phakellia folium	0	0	0	0	0	0	0	0	0	1	0	0
Myrmekioderma sp. A	0	0	0	0	0	0	1	0	0	0	0	1
Higginsia striglata	1	0	0	0	0	0	0	0	0	0	0	0
Hemectyon pearsei	0	0	0	0	0	1	1	0	0	1	0	0
CNIDARIA--Hydrozoa												
Hydrozoa-Hydroida	0	0	0	1	0	0	0	0	0	0	0	0
Eudendrium carneum	1	0	0	0	0	1	1	0	1	0	0	1
Campanularia marginata	1	1	1	1	1	1	1	1	1	1	0	1
Lafoea venusta	1	0	0	0	0	0	0	0	0	0	0	0
Acryptolaria pulchella	0	0	0	0	0	0	1	0	0	0	0	0
Sertularella conica	0	0	0	0	0	0	0	0	1	0	0	0
Sertularella speciosa	0	0	1	0	0	0	0	0	0	0	0	0
Sertularia westindica	0	0	0	0	0	0	0	0	0	1	1	0
Dyshasia digitalis	0	0	0	0	0	0	1	0	0	1	1	1
Antennella gracilis	0	0	0	1	0	0	0	0	0	0	0	0
Synthecium tubithecum	0	0	0	0	0	0	0	0	1	0	0	0
Synthecium robustum	0	0	1	0	0	0	0	0	0	0	0	0

TABLE G.1. (CONTINUED).

TAXON	Number of Occurrences											
	Cruise II Stations							Cruise III Stations				
	44	45	47	51 AL	51 LB	52 N	52 D	44	47	51	52 N	52 D
CNIDARIA--Anthozoa												
Carejoa riisei	1	0	0	0	1	1	1	1	0	1	1	1
Pseudoplexaura porosa	0	0	0	0	0	1	1	0	0	0	0	0
Pseudoplexaura wagenaari	0	0	0	0	0	0	0	0	0	1	1	1
Eunicea (Euniceopsis) sp.	0	1	0	0	0	1	1	0	0	0	1	1
Eunicea calyculata	0	1	0	1	0	0	0	0	0	0	0	1
Eunicea knighti	0	0	0	0	0	0	1	0	0	0	0	0
Eunicea ?knighti	0	0	0	0	0	0	1	0	0	0	0	0
Eunicea ?asperula	0	0	0	0	0	0	0	0	0	0	1	0
Plexaurella nutans	0	0	0	0	0	0	1	0	0	0	1	0
Plexaurella fusifera	0	0	0	0	0	0	0	1	0	0	1	1
Muricea elongata	0	1	0	0	0	1	0	0	0	0	0	0
Muricea laxa	0	0	0	0	0	0	1	0	0	0	0	0
Lophogorgia cardinalis	0	0	1	0	0	0	0	0	0	0	0	0
Lophogorgia hebes	0	0	0	0	0	0	0	1	0	0	0	0
Leptogorgia virgulata	1	0	0	0	0	0	0	1	0	0	0	0
Pseudopterogorgia acerosa	0	1	1	1	0	0	1	0	1	0	1	0
Pterogorgia guadalupensis	0	1	0	0	0	0	1	0	0	1	0	0
Siderastrea radians	0	0	0	0	0	0	0	1	0	0	0	0
Solenastrea hyades	0	0	0	0	0	0	0	0	0	0	0	1
Phyllangia americana	0	0	0	0	0	1	1	0	0	0	0	1
ANNELIDA												
Polychaeta	0	1	1	0	1	1	1	0	0	0	0	0
Phyllochaetopterus sp.	0	0	0	0	0	0	0	0	0	0	0	1
MOLLUSCA--Gastropoda												
Diodora dysoni	1	0	0	0	0	0	0	0	0	0	0	0
Turbo crenulatus	0	0	1	0	0	0	0	0	0	0	0	0
Vermicularia knorli	0	1	0	0	0	0	0	0	1	1	0	0
Turritella acropora	0	0	1	0	0	0	0	0	0	0	0	0
Cerithium atratum	0	0	0	0	0	0	1	0	0	0	0	1
Strombus costatus	0	0	0	0	0	0	0	0	0	1	0	0
Crepidula aculeata	0	0	1	0	0	0	1	0	1	1	0	0
Xenophora conchyliophora	0	0	0	0	0	0	0	0	0	1	0	0
Chicoreus florifer	0	0	0	0	1	0	0	0	0	0	0	0
Pisania tincta	0	1	0	0	0	0	1	0	0	1	0	0
Nassarius floridensis	0	0	0	0	0	0	0	0	0	0	0	1
Latirus cariniferus	0	0	0	0	0	0	0	0	0	0	0	1
Crassispira polytorta	0	0	1	0	0	0	0	0	0	0	0	0
Conus spurius atlanticus	0	0	1	0	0	0	0	0	0	0	0	0

TABLE G.1. (CONTINUED).

TAXON	Number of Occurrences											
	Cruise II Stations							Cruise III Stations				
	44	45	47	51 AL	51 LB	52 N	52 D	44	47	51	52 N	52 D
Glossodoris edenticulata	0	1	0	0	1	0	1	0	0	0	1	1
Gastropoda eggs	0	0	0	0	0	0	0	0	0	0	0	1
MOLLUSCA--Polyplacophora												
Acanthochiton sp.	0	0	0	0	0	0	0	0	0	1	0	0
MOLLUSCA--Bivalvia												
Anadara notabilis	0	0	0	0	0	0	0	0	0	0	1	0
Arca zebra	0	1	0	0	0	0	0	0	0	0	0	1
Arca imbricata	0	1	0	0	0	0	0	0	0	0	0	0
Barbatia candida	0	0	0	1	0	0	0	0	0	0	0	0
Pinctada imbricata	0	0	1	0	1	0	1	0	0	0	0	0
Pteria colymbus	0	1	0	0	0	0	0	0	0	0	0	1
Ostreola equestris	0	0	0	0	1	0	0	0	0	0	0	0
Ostrea permellis	0	0	0	0	1	0	0	0	0	0	0	0
Lopha frons	0	0	1	0	0	1	1	0	0	1	0	0
Laevicardium laevigatum	0	0	0	0	0	0	1	0	0	0	0	0
Chama congregata	0	1	0	0	0	0	0	0	0	0	0	0
Chama macerophylla	0	1	0	0	1	1	1	0	0	1	1	1
ARTHROPODA--Pycnogonida												
Anoplodactylus insignis	1	0	0	0	0	0	0	0	1	0	0	0
ARTHROPODA--Crustacea												
Cirripedia-Thoracica	0	0	0	0	0	0	0	0	0	0	0	1
Membranobalanus declivis	0	0	0	0	0	0	0	0	0	1	0	0
Dendrobranchiata-Penaeidea	0	0	0	0	1	0	0	0	0	0	0	0
Penaeus duorarum	1	0	0	1	0	0	0	0	0	0	0	0
Trachypenaeus sp.	0	0	0	0	0	0	0	1	0	0	0	0
Trachypenaeus constrictus	1	0	0	1	0	0	0	0	0	0	0	0
Metapenaeopsis goodei	1	0	1	1	1	1	0	0	1	0	0	0
Sicyonia laevigatus	0	0	0	1	0	0	0	0	0	0	0	0
Sicyonia typica	0	0	1	0	0	0	0	0	0	0	0	0
Leptochela bermudensis	0	0	1	0	0	0	0	0	0	0	0	0
Palaemonidae	1	0	0	0	0	0	0	0	0	0	0	0
Periclimenes sp.	0	0	0	0	1	0	0	0	0	0	0	0
Periclimenes longicaudatus	1	0	1	1	1	1	0	0	0	0	0	0
Periclimenes iridescens	1	0	0	0	0	0	0	0	0	0	0	0
Synalpheus sp.	0	0	0	0	0	0	1	0	0	0	0	0
Synalpheus cf. *bousfieldi*	0	0	1	0	0	0	1	0	1	0	0	0
Synalpheus goodei	0	0	0	0	0	0	1	0	0	0	0	0

TABLE G.1. (CONTINUED).

TAXON	Number of Occurrences											
	Cruise II Stations							Cruise III Stations				
	44	45	47	51 AL	51 LB	52 N	52 D	44	47	51	52 N	52 D
Synalpheus longicarpus	0	0	1	0	0	0	0	0	0	0	0	0
Synalpheus minus	1	1	0	0	0	0	1	1	1	0	0	1
Synalpheus pandionis	1	1	0	0	1	0	0	0	0	0	0	0
Synalpheus townsendi	1	1	0	0	1	1	1	0	1	0	0	0
Synalpheus brooksi	0	0	0	0	1	0	0	0	0	0	0	0
Synalpheus ?tanneri	0	0	0	0	0	1	0	0	0	0	1	1
Lysmata rathbunae	1	0	0	0	0	0	0	0	0	0	0	0
Thor dobkini	0	0	0	0	0	0	1	0	0	0	0	0
Tozeuma serratum	0	0	1	0	0	0	0	0	1	0	0	0
Tozeuma carolinense	1	0	1	0	0	1	0	0	0	0	0	0
Nikoides schmitti	0	0	0	0	0	1	0	0	0	0	0	0
Processa bermudensis	1	0	0	0	0	0	0	0	0	0	0	0
Pagurus brevidactylus	0	1	0	0	0	0	0	0	1	1	0	0
Pagurus stimpsoni	0	0	1	0	0	0	0	0	1	0	0	0
Pagurus carolinensis	1	0	0	0	0	0	0	0	0	0	0	0
Petrolisthes galathinus	1	0	1	0	1	1	1	1	1	0	1	1
Paguristes sp.	0	0	0	0	0	0	0	1	0	0	0	0
Paguristes punticeps	0	0	0	0	0	0	0	0	1	0	0	0
Paguristes tortugae	1	1	0	0	1	1	1	1	1	1	0	1
Dromidia antillensis	0	0	0	0	0	0	0	1	1	0	0	0
Illacantha intermedia	0	0	1	0	0	0	0	0	0	0	0	0
Ebalia cariosa	0	0	1	0	0	0	0	0	0	0	0	0
Macrocoeloma camptocerum	0	0	1	0	1	1	1	0	0	1	0	0
Macrocoeloma cf. trispinosum	1	0	0	0	0	1	1	0	1	0	1	0
Metoporhaphis calcarata	1	0	1	0	0	0	0	0	1	0	0	0
Mithrax (Mithrax) pleuracanthus	1	0	1	0	1	1	1	1	1	0	1	0
Mithrax (Mithraculus) forceps	0	1	0	0	1	0	0	0	0	0	0	0
Podochela riisei	1	0	1	1	0	1	1	0	0	0	1	0
Stenorhynchus seticornis	1	0	1	0	0	0	0	1	1	0	0	0
Tyche emarginata	0	0	0	0	1	0	0	0	0	0	0	0
Parthenope serrata	0	0	1	0	0	0	0	0	0	0	0	0
Portunus sp.	0	0	1	0	0	0	0	0	0	0	0	0
Panopeus cf. occidentalis	0	0	0	0	0	1	0	1	0	0	0	0
Lobopilumnus agassizi	0	0	1	0	0	0	0	0	0	0	0	0
Pilumnus dasypodus	0	0	0	0	1	0	1	1	0	0	1	1
Pilumnus sayi	0	0	1	1	1	0	0	1	0	0	1	1
Pilumnus lacteus	0	0	0	0	0	0	0	0	0	0	0	1
Pilumnus sp. A	1	0	0	0	0	0	0	0	0	0	0	0
Euryplax nitida	0	0	1	0	0	0	0	0	0	0	0	0
Dissodactylus cf. crinitichelis	0	0	1	0	0	0	0	0	0	0	0	0
Gonodactylus bredini	0	0	0	0	0	0	0	1	0	1	0	0

TABLE G.1. (CONTINUED).

TAXON	Number of Occurrences											
	Cruise II Stations							Cruise III Stations				
	44	45	47	51 AL	51 LB	52 N	52 D	44	47	51	52 N	52 D
ECTOPROCTA												
Amathia convoluta	1	0	0	0	0	0	0	0	0	0	0	0
Antropora tincta	0	0	0	0	0	0	0	0	0	1	0	1
Nellia oculata	0	0	0	1	0	0	0	0	0	0	0	0
Caulibugula armata	0	0	0	1	0	0	0	0	0	0	0	0
Cupuladria biporosa	0	0	1	0	0	0	0	0	1	0	0	0
Schizoporella unicornis	0	1	0	0	1	1	1	0	1	1	1	0
Stylopoma spongites	0	0	1	0	0	0	0	0	0	0	0	0
Celleporaria albirostris	0	0	1	0	1	0	1	0	0	0	1	0
Celleporaria magnifica	0	1	0	0	1	1	1	0	0	1	1	0
Crisia elongata	0	0	0	0	0	0	0	0	0	0	1	0
ECHINODERMATA--Asteroidea												
Luidia alternata	0	0	0	0	0	0	0	0	1	0	0	0
Echinaster sp.	0	0	0	0	1	0	0	1	0	0	0	0
Echinaster spinulosus	0	0	0	0	0	0	0	1	1	0	0	0
Echinaster sentus	0	0	0	0	0	0	0	0	1	0	1	0
ECHINODERMATA--Ophiuroidea												
Astrophyton muricatum	1	0	0	0	0	0	0	0	1	1	0	0
Ophiolepis elegans	0	0	1	1	0	0	0	1	0	0	0	0
Ophioderma brevispinum	0	0	0	0	1	0	0	0	0	0	0	0
Ophioderma cinereum	0	1	0	0	0	0	0	0	0	0	0	0
Ophiostigma isocantha	0	1	0	0	0	0	1	0	0	0	0	0
Ophiothrix angulata	1	0	0	0	1	1	1	0	0	0	0	1
Ophiothrix suensonii	1	1	0	0	0	0	0	1	0	1	0	0
ECHINODERMATA--Echinoidea												
Arbacia punctulata	0	1	0	0	0	0	0	1	0	1	1	1
Lytechinus variegatus	0	0	0	0	0	1	1	0	0	0	0	0
Lytechinus variegatus carolinus	0	0	1	0	1	0	0	1	0	0	0	0
Clypeaster subdepressus	0	0	0	0	0	0	0	1	1	0	0	0
Encope aberrans	0	0	1	1	0	0	0	0	0	0	0	0
ECHINODERMATA--Holothuroidea												
Isostichopus badionotus	0	1	0	0	0	1	1	0	1	0	1	1
CHORDATA--Urochordata												
Cystodytes dellechiajei	0	1	0	0	0	1	1	0	0	1	0	0
Clavelina sp.	0	0	1	0	0	0	1	1	0	0	1	1
Clavelina gigantea	1	0	0	0	1	1	1	1	0	1	0	1

TABLE G.1. (CONTINUED).

TAXON	Number of Occurrences											
	Cruise II Stations							Cruise III Stations				
	44	45	47	51 AL	51 LB	52 N	52 D	44	47	51	52 N	52 D
Clavelina picta	1	1	1	0	1	0	0	0	1	0	1	0
Eudistoma sp.	1	0	0	0	0	1	1	0	0	0	0	0
Eudistoma capsulatum	0	0	0	0	0	0	0	0	1	0	1	1
Aplidium constellatum	0	0	0	0	1	0	0	0	0	0	0	0
Aplidium lobatum	0	0	0	0	1	0	0	0	0	1	0	0
Didemnidae	0	0	0	0	0	0	1	0	1	0	0	1
Didemnum candidum	0	1	1	0	1	0	0	0	1	0	1	1
Tridemnum savignii	1	0	0	1	0	0	0	0	0	0	0	0
Echinoclinum verrilli	0	0	1	0	1	0	1	0	0	1	0	0
Styela partita	0	0	0	0	0	0	0	0	0	0	1	1
Styela plicata	0	0	0	0	0	0	1	1	0	1	1	1
Polycarpa circumarata	0	1	0	0	0	1	0	0	0	1	0	0
Polyandrocarpa tincta	0	0	1	0	0	1	0	1	0	0	0	0
Polyandrocarpa maxima	0	0	0	0	0	0	1	0	0	0	0	1
Microcosmus exasperatus	0	0	0	0	0	0	0	0	0	1	0	0
Botryllioides nigrum	0	0	0	0	1	1	0	0	0	0	1	1
Botryllioides tincta	0	0	0	0	0	1	0	0	0	0	0	0
CHORDATA--Vertebrata (fishes)												
Rhinobatos lentiginosus	0	0	0	0	0	0	0	0	1	1	0	0
Sardinella aurita	1	0	0	0	0	0	0	0	1	0	0	0
Synodus foetens	0	0	0	0	0	0	0	0	1	0	0	0
Synodus intermedius	0	0	0	0	1	1	0	1	0	0	0	0
Synodus poeyi	0	0	1	0	0	0	0	0	0	0	0	0
Porichthys plectrodon	0	0	0	0	0	0	0	0	1	0	0	0
Ogcocephalus radiatus	0	0	0	0	0	0	0	0	1	0	0	0
Ophidion holbrooki	0	0	0	1	0	0	0	0	1	0	0	0
Ophidion dromio	0	0	0	0	0	0	0	0	1	0	0	0
Syngnathus pelagicus	0	0	0	1	0	0	1	0	0	0	0	0
Scorpaena brasiliensis	1	0	1	1	0	0	0	0	1	0	0	0
Scorpaena plumieri	0	0	0	0	0	0	0	0	0	1	0	0
Prionotus martis	0	0	0	0	0	0	0	1	1	0	0	0
Prionotus stearnsi	0	0	0	1	0	0	0	0	1	0	0	0
Epinephelus morio	0	0	0	0	0	1	1	0	0	1	1	0
Diplectrum sp.	0	0	1	1	0	0	0	0	1	1	0	0
Diplectrum formosum	0	0	0	1	0	0	0	1	1	0	0	0
Serraniculus pumilio	1	0	0	1	0	0	0	0	0	0	0	0
Serranus subligarius	1	0	1	0	0	1	0	1	1	0	0	0
Hypoplectrus puella	0	0	0	0	0	1	1	0	0	0	0	0
Rypticus maculatus	0	0	0	0	1	0	1	0	0	0	0	0
Rypticus saponaceus	0	1	0	0	0	0	0	0	0	0	0	0

TABLE G.1. (CONTINUED).

TAXON	Number of Occurrences											
	Cruise II Stations							Cruise III Stations				
	44	45	47	51 AL	51 LB	52 N	52 D	44	47	51	52 N	52 D
Phaeoptyx pigmentaria	1	1	1	1	1	0	0	1	1	0	0	0
Lutjanus synagris	0	0	0	0	0	0	0	1	1	0	0	0
Eucinostomus argenteus	0	0	0	0	0	0	0	1	0	0	0	0
Haemulon sp.	0	0	0	0	1	0	0	0	0	0	0	0
Haemulon aurolineatum	1	1	0	1	1	0	0	1	1	0	0	0
Haemulon plumieri	0	1	0	1	1	1	1	1	1	1	1	0
Haemulon sciurus	1	0	0	0	0	0	0	0	0	0	0	0
Orthopristis chrysoptera	0	1	0	0	0	0	0	0	1	0	0	0
Anisotremus virginicus	0	0	0	0	1	0	0	0	0	0	0	0
Lagodon rhomboides	0	0	0	0	0	0	0	1	0	0	0	0
Calamus arctifrons	0	0	0	1	0	0	0	0	0	0	0	0
Calamus calamus	0	0	0	0	0	1	0	0	0	0	0	0
Calamus pennatula	0	0	0	0	0	0	0	0	1	0	0	0
Equetus lanceolatus	1	0	1	0	0	1	1	1	1	1	0	0
Equetus umbrosus	0	1	0	0	1	1	0	1	0	1	0	0
Chaetodipterus faber	0	0	0	0	0	0	0	1	0	0	0	0
Pomacanthus arcuatus	0	1	0	0	0	0	0	0	0	0	0	0
Pomacentrus variabilis	0	1	0	0	0	0	0	0	0	0	0	0
Lachnolaimus maximus	0	1	0	0	1	1	1	0	0	1	1	0
Nicholsina usta	0	0	1	1	0	0	0	1	0	0	0	0
Microgobius carri	1	0	0	0	0	0	0	0	0	0	0	0
Evermannichthys spongicola	0	0	0	0	0	0	0	0	0	0	0	1
Bothus robinsi	0	0	0	1	0	0	0	0	1	0	0	0
Syacium papillosum	0	0	0	1	0	0	0	0	0	0	0	0
Soleidae	0	0	0	0	0	0	0	0	1	0	0	0
Symphurus urospilus	0	0	0	0	0	0	0	0	1	0	0	0
Aluterus schoepfi	0	1	0	0	0	1	0	0	0	0	1	0
Aluterus heudeloti	0	0	0	0	0	0	0	0	1	0	0	0
Monacanthus ciliatus	1	0	1	1	0	1	0	1	1	0	0	0
Monacanthus hispidus	1	1	1	1	1	1	1	0	1	0	0	1
Lactophrys quadricornis	1	1	1	1	0	1	1	1	1	1	1	1
Sphoeroides spengleri	0	1	0	1	1	1	1	0	0	1	0	0

Species are listed in the same order as in the Master Taxon List (Appendix K).
Values indicate presence (1) or absence (0) in the single otter trawl sample at each station/cruise.

At Station 51, AL = algal area, LB = live-bottom area.
At Station 52, N = night, D = day.

TABLE G.2. COUNTS OF MOLLUSCS, CRUSTACEANS, ECHINODERMS, AND FISHES IN THE TRAWL COLLECTIONS, CRUISE 11.

TAXON	Station 44	45	47	51 AL	51 LB	52 N	52 D
MOLLUSCA--Gastropoda							
Diodora dysoni	1	-	-	-	-	-	-
Turbo crenulatus	-	-	1	-	-	-	-
Vermicularia knorii	-	1	-	-	-	-	-
Turritella acropora	-	-	1	-	-	-	-
Cerithium atratum	-	-	-	-	-	-	1
Crepidula aculeata	-	-	3	-	-	-	1
Chicoreus florifer	-	-	-	-	1	-	-
Pisania tincta	-	2	-	-	-	-	3
Crassispira polytorta	-	-	2	-	-	-	-
Conus spurius atlanticus	-	-	1	-	-	-	-
Glossodoris edenticulata	-	1	-	-	1	-	4
MOLLUSCA--Bivalvia							
Arca zebra	-	3	-	-	-	-	-
Arca imbricata	-	3	-	-	-	-	-
Barbatia candida	-	-	-	1	-	-	-
Pinctada imbricata	-	-	2	-	1	-	1
Pteria colymbus	-	2	-	-	-	-	-
Ostreola equestris	-	-	-	-	1	-	-
Ostrea permellis	-	-	-	-	4	-	-
Lopha frons	-	-	1	-	-	2	1
Laevicardium laevigatum	-	-	-	-	-	-	3
Chama congregata	-	1	-	-	-	-	-
Chama macerophylla	-	6	-	-	2	2	2
ARTHROPODA--Crustacea							
Dendrobranchiata-Penaeidea	-	-	-	-	1	-	-
Penaeus duorarum	4	-	-	1	-	-	-
Trachypenaeus constrictus	2	-	-	2	-	-	-
Metapenaeopsis goodei	43	-	5	8	11	15	-
Sicyonia laevigatus	-	-	-	2	-	-	-
Sicyonia typica	-	-	1	-	-	-	-
Leptochela bermudensis	-	-	1	-	-	-	-
Palaemonidae	1	-	-	-	-	-	-
Periclimenes sp.	-	-	-	-	1	-	-
Periclimenes longicaudatus	24	-	2	5	8	2	-
Periclimenes iridescens	2	-	-	-	-	-	-
Synalpheus sp.	-	-	-	-	-	-	2
Synalpheus cf. bousfieldi	-	-	2	-	-	-	3
Synalpheus goodei	-	-	-	-	-	-	1
Synalpheus longicarpus	-	-	5	-	-	-	-

TABLE G.2. (CONTINUED).

TAXON	Station 44	45	47	51 AL	51 LB	52 N	52 D
Synalpheus minus	4	1	-	-	-	-	2
Synalpheus pandionis	2	1	-	-	2	-	-
Synalpheus townsendi	1	2	-	-	4	2	1
Synalpheus brooksi	-	-	-	-	4	-	-
Synalpheus ?tanneri	-	-	-	-	-	6	-
Lysmata rathbunae	2	-	-	-	-	-	-
Thor dobkini	-	-	-	-	-	-	1
Tozeuma serratum	-	-	1	-	-	-	-
Tozeuma carolinense	1	-	2	-	-	1	-
Nikoides schmitti	-	-	-	-	-	2	-
Processa bermudensis	3	-	-	-	-	-	-
Pagurus brevidactylus	-	1	-	-	-	-	-
Pagurus stimpsoni	-	-	3	-	-	-	-
Pagurus carolinensis	2	-	-	-	-	-	-
Petrolisthes galathinus	3	-	3	-	2	3	6
Paguristes tortugae	1	1	-	-	2	2	4
Iliacantha intermedia	-	-	3	-	-	-	-
Ebalia cariosa	-	-	1	-	-	-	-
Macrocoeloma camptocerum	-	-	1	-	3	1	1
Macrocoeloma cf. trispinosum	1	-	-	-	-	1	1
Metoporhaphis calcarata	3	-	1	-	-	-	-
Mithrax (Mithrax) pleuracanthus	2	-	2	-	6	5	1
Mithrax (Mithraculus) forceps	-	2	-	-	2	-	-
Podochela riisei	2	-	9	3	-	1	1
Stenorhynchus seticornis	2	-	1	-	-	-	-
Tyche emarginata	-	-	-	-	1	-	-
Parthenope serrata	-	-	2	-	-	-	-
Portunus sp.	-	-	1	-	-	-	-
Panopeus cf. occidentalis	-	-	-	-	-	2	-
Lobopilumnus agassizi	-	-	1	-	-	-	-
Pilumnus dasypodus	-	-	-	-	2	-	1
Pilumnus sayi	-	-	1	1	1	-	-
Pilumnus sp. A	1	-	-	-	-	-	-
Euryplax nitida	-	-	4	-	-	-	-
Dissodactylus cf. crinitichelis	-	-	1	-	-	-	-
ECHINODERMATA--Asteroidea							
Echinaster sp.	-	-	-	-	1	-	-
ECHINODERMATA--Ophiuroidea							
Astrophyton muricatum	1	-	-	-	-	-	-
Ophiolepis elegans	-	-	6	1	-	-	-
Ophioderma brevispinum	-	-	-	-	2	-	-

TABLE G.2. (CONTINUED).

TAXON	Station 44	45	47	51 AL	51 LB	52 N	52 D
Ophioderma cinereum	-	1	-	-	-	-	-
Ophiostigma isocantha	-	1	-	-	-	-	1
Ophiothrix angulata	3	-	-	-	3	4	13
Ophiothrix suensonii	33	33	-	-	-	-	-
ECHINODERMATA--Echinoidea							
Arbacia punctulata	-	2	-	-	-	-	-
Lytechinus variegatus	-	-	-	-	-	2	1
Lytechinus variegatus carolinus	-	-	1	-	1	-	-
Encope aberrans	-	-	4	1	-	-	-
ECHINODERMATA--Holothuroidea							
Isostichopus badionotus	-	1	-	-	-	1	1
CHORDATA--Vertebrata (fishes)							
Sardinella anchovia	2	-	-	-	-	-	-
Synodus intermedius	-	-	-	-	1	1	-
Synodus poeyi	-	-	1	-	-	-	-
Ophidion holbrooki	-	-	-	3	-	-	-
Syngnathus pelagicus	-	-	-	1	-	-	1
Scorpaena brasiliensis	3	-	2	11	-	-	-
Prionotus stearnsi	-	-	-	2	-	-	-
Epinephelus morio	-	-	-	-	-	1	2
Diplectrum sp.	-	-	1	12	-	-	-
Diplectrum formosum	-	-	-	1	-	-	-
Serranilculus pumilio	3	-	-	1	-	-	-
Serranus subligarius	2	-	1	-	-	1	-
Hypoplectrus puella	-	-	-	-	-	2	3
Rypticus maculatus	-	-	-	-	1	-	1
Rypticus saponaceus	-	2	-	-	-	-	-
Phaeoptyx pigmentaria	16	11	9	10	5	-	-
Haemulon sp.	-	-	-	-	1	-	-
Haemulon aurolineatum	3	2	-	1	1	-	-
Haemulon plumieri	-	2	-	19	2	20	2
Haemulon sciurus	2	-	-	-	-	-	-
Orthopristis chrysoptera	-	3	-	-	-	-	-
Anisotremus virginicus	-	-	-	-	1	-	-
Calamus arctifrons	-	-	-	3	-	-	-
Calamus calamus	-	-	-	-	-	1	-
Equetus lanceolatus	1	-	2	-	-	1	2
Equetus umbrosus	-	1	-	-	5	2	-
Pomacanthus arcuatus	-	1	-	-	-	-	-
Pomacentrus variabilis	-	1	-	-	-	-	-

TABLE G.2. (CONTINUED).

TAXON	Station						
				51		52	
	44	45	47	AL	LB	N	D
Lachnolaimus maximus	-	2	-	-	5	5	3
Nicholsina usta	-	-	1	1	-	-	-
Microgobius carri	2	-	-	-	-	-	-
Bothus robinsi	-	-	-	1	-	-	-
Syacium papillosum	-	-	-	1	-	-	-
Aluterus schoepfi	-	3	-	-	-	3	-
Monacanthus ciliatus	2	-	1	8	-	3	-
Monacanthus hispidus	1	4	1	1	1	2	2
Lactophrys quadricornis	11	2	1	1	-	3	1
Sphoeroides spengleri	-	1	-	1	1	3	1

At Station 51, AL = algal area and LB = live-bottom area.
At Station 52, N = night and D = day.

TABLE G.3. COUNTS OF MOLLUSCS, CRUSTACEANS, ECHINODERMS, AND FISHES IN THE TRAWL COLLECTIONS, CRUISE 111.

TAXON	Station 44	47	51	52 N	52 D
MOLLUSCA--Gastropoda					
Vermicularia knorii	-	1	-	-	-
Cerithium atratum	-	-	-	-	1
Strombus costatus	-	-	-	-	-
Crepidula aculeata	-	1	-	-	-
Xenophora conchyliophora	-	-	-	-	-
Pisania tincta	-	-	-	-	-
Nassarius floridensis	-	-	-	-	1
Latirus cariniferus	-	-	-	-	1
Glossodoris edenticulata	-	-	-	2	11
MOLLUSCA--Polyplacophora					
Acanthochiton sp.	-	-	-	-	-
MOLLUSCA--Bivalvia					
Anadara notabilis	-	-	-	1	-
Arca zebra	-	-	-	-	2
Pteria colymbus	-	-	-	-	1
Lopha frons	-	-	-	-	-
Chama macerophylla	-	-	-	1	6
ARTHROPODA--Crustacea					
Cirripedia-Thoracica	-	-	-	-	1
Membranobalanus declivis	-	-	-	-	-
Trachypenaeus sp.	1	-	-	-	-
Metapenaeopsis goodei	-	4	-	-	-
Synalpheus cf. bousfieldi	-	1	-	-	-
Synalpheus minus	1	2	-	-	2
Synalpheus townsendi	-	1	-	-	-
Synalpheus ?tanneri	-	-	-	1	1
Tozeuma serratum	-	2	-	-	-
Pagurus brevidactylus	-	1	-	-	-
Pagurus stimpsoni	-	5	-	-	-
Petrolisthes galathinus	7	1	-	1	5
Paguristes sp.	1	-	-	-	-
Paguristes punticeps	-	6	-	-	-
Paguristes tortugae	9	1	-	-	7
Dromidia antillensis	1	4	-	-	-
Macrocoeloma camptocerum	-	-	-	-	-
Macrocoeloma cf. trispinosum	-	2	-	4	-

TABLE G.3. (CONTINUED).

TAXON	Station 44	47	51	52 N	52 D
Metoporhaphis calcarata	-	1	-	-	-
Mithrax (Mithrax) pleuracanthus	1	1	-	4	-
Podochela riisei	-	-	-	5	-
Stenorhynchus seticornis	6	3	-	-	-
Panopeus cf. occidentalis	1	-	-	-	-
Pilumnus dasypodus	4	-	-	2	2
Pilumnus sayi	2	-	-	1	2
Pilumnus lacteus	-	-	-	-	1
Gonodactylus bredini	1	-	-	-	-
ECHINODERMATA--Asteroidea					
Echinaster sp.	2	-	-	-	-
Echinaster spinulosus	5	-	-	-	-
Echinaster sentus	-	-	-	2	-
ECHINODERMATA--Ophiuroidea					
Astrophyton muricatum	-	5	-	-	-
Ophiolepis elegans	1	-	-	-	-
Ophiothrix angulata	-	-	-	-	7
Ophiothrix suensonii	15	-	-	-	-
ECHINODERMATA--Echinoidea					
Arbacia punctulata	1	-	-	1	1
Lytechinus variegatus carolinus	1	-	-	-	-
Clypeaster subdepressus	1	1	-	-	-
ECHINODERMATA--Holothuroidea					
Isostichopus badionotus	-	1	-	1	3
CHORDATA--Vertebrata (fishes)					
Rhinobatos lentiginosus	-	1	-	-	-
Sardinella anchovia	-	1	-	-	-
Synodus foetens	-	2	-	-	-
Synodus intermedius	3	-	-	-	-
Porichthys porosissimus	-	4	-	-	-
Ogcocephalus radiatus	-	1	-	-	-
Ophidion holbrooki	-	9	-	-	-
Ophidion dromio	-	1	-	-	-
Scorpaena brasiliensis	-	5	-	-	-
Scorpaena plumieri	-	-	-	-	-
Prionotus martis	1	1	-	-	-
Prionotus stearnsi	-	2	-	-	-

TABLE G.3. (CONTINUED).

TAXON	Station 44	47	51	52 N	52 D
Epinephelus morio	-	-	-	1	-
Diplectrum sp.	-	2	-	-	-
Diplectrum formosum	1	3	-	-	-
Serranus subligarius	1	1	-	-	-
Phaeoptyx pigmentaria	9	2	-	-	-
Lutjanus synagris	2	2	-	-	-
Eucinostomus argenteus	1	-	-	-	-
Haemulon aurolineatum	14	4	-	-	-
Haemulon plumieri	2	10	-	3	-
Orthopristis chrysoptera	-	6	-	-	-
Lagodon rhomboides	1	-	-	-	-
Calamus pennatula	-	2	-	-	-
Equetus lanceolatus	3	1	-	-	-
Equetus umbrosus	2	-	-	-	-
Chaetodipterus faber	2	-	-	-	-
Lachnolaimus maximus	-	-	-	2	-
Nicholsina usta	1	-	-	-	-
Evermannichthys spongicola	-	-	-	-	1
Bothus robinsi	-	1	-	-	-
Soleidae	-	1	-	-	-
Symphurus urospilus	-	1	-	-	-
Aluterus schoepfi	-	-	-	2	-
Monacanthus ciliatus	3	2	-	-	-
Monacanthus hispidus	-	1	-	-	2

At Station 52, N = night and D = day.

APPENDIX H

QUADRAT DATA

LIST OF TABLES

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TABLE H.1. PHYLOGENETIC LISTING OF TAXA COLLECTED IN DIVER-HARVESTED QUADRAT SAMPLES.

TAXON	Number of Occurrences									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
Unidentified biota	0	0	0	0	0	0	1	0	0	2
ALGAE--Chlorophycophyta (green algae)										
Bryopsis duchassaignii	0	0	0	0	0	0	0	0	0	1
Codium isthmocladum	0	0	1	0	0	0	0	0	1	0
Caulerpa peltata	0	0	0	0	0	0	1	0	0	0
Caulerpa sertularioides	0	0	2	0	0	0	0	1	0	0
Caulerpa mexicana	0	0	1	0	0	0	0	0	0	0
Avrainvillea longicaulis	0	0	0	0	0	0	2	0	0	0
Halimeda sp.	0	0	1	0	0	0	0	0	0	0
Halimeda scabra	0	10	0	17	0	0	26	4	17	0
Halimeda incrassata	0	0	4	2	1	0	0	1	3	2
Halimeda tuna	0	0	1	0	0	0	0	0	0	0
Penicillus pyriformis	0	0	5	0	0	0	2	1	0	0
Penicillus capitatus	0	0	0	0	0	0	0	2	0	0
Penicillus dumentosus	0	1	0	0	0	0	0	0	0	0
Penicillus lamourouxii	0	0	0	0	0	0	0	0	1	0
Rhipocephalus phoenix	0	10	0	0	0	0	23	1	0	0
Rhipocephalus oblongus	0	6	0	0	0	0	0	0	0	0
Udotea sp.	0	0	2	0	0	0	0	0	0	0
Udotea conglutinata	1	6	16	1	4	17	34	31	1	18
Udotea cyathiformis	0	0	6	0	0	0	0	2	0	0
Udotea flabellum	0	0	0	0	0	0	0	1	0	0
Udotea wilsoni	0	0	1	0	0	0	0	0	0	0
Palmellaceae	0	0	0	0	0	0	2	0	0	0
ALGAE--Phaeophycophyta (brown algae)										
Phaeophycophyta	0	0	0	1	0	0	0	0	0	0
Phaeophyceae	0	1	0	0	0	0	0	0	0	0
Dictyopteris sp.	0	0	1	0	1	0	0	0	0	0
Dictyopteris jamaicensis	0	0	3	33	33	1	2	0	32	37
Dictyota divaricata	0	0	0	0	0	0	0	1	0	2
Dictyota indica	0	0	1	0	0	0	0	0	0	0
Dictyota cervicornis	0	0	3	0	0	0	0	0	0	0
Dictyota linearis	0	0	1	0	0	0	0	0	0	0
Sargassum sp.	0	0	2	0	0	0	4	1	0	0
Sargassum filipendula	0	0	4	0	0	0	0	0	0	0
Sargassum bermudense v. hellebrandtii	0	0	0	0	0	0	0	1	0	0
Rosenvingea intricata	0	0	0	0	0	0	0	0	2	0

TABLE H.1. (CONTINUED).

TAXON	Number of Occurrences									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
ALGAE--Rhodophycophyta (red algae)										
Scinaia complanata	0	0	0	0	0	1	0	0	1	0
Agardhiella subulata	0	0	0	0	0	1	2	1	3	5
Eucheuma sp.	0	0	0	0	0	1	0	0	1	0
Eucheuma isiforme	0	0	1	0	0	0	0	0	0	0
Hypnea cervicornis	0	0	0	0	1	0	0	0	0	0
Hypnea spinella	0	0	0	0	0	1	1	0	6	2
?Hypnea sp.	0	0	0	0	0	0	0	0	1	1
Gracilaria sp.	0	0	0	0	0	0	2	2	6	2
Gracilaria mammillaris	2	2	5	0	10	1	0	0	3	21
Gracilaria debilis	0	0	2	1	1	0	1	1	1	2
Gracilaria cervicornis	0	1	0	0	1	0	4	1	7	1
Gracilaria armata	0	0	1	0	0	0	0	0	0	0
Gracilaria blodgettii	0	0	0	0	0	0	2	1	13	2
Gracilaria compressa	0	0	1	0	0	0	0	1	0	2
Gracilaria usneoides	0	0	0	0	0	0	1	0	1	2
Gracilaria domingensis	0	0	0	0	0	1	1	0	1	3
Gracilaria sp. 1	0	0	0	0	1	0	0	0	0	0
Wurdemannia miniata	0	0	0	0	0	0	0	0	1	0
Corallinaceae	0	0	0	0	0	0	1	0	0	0
Corallina cubensis	0	0	0	0	0	0	0	0	1	0
Jania capillacea	0	0	19	3	0	0	0	2	1	0
Lithophyllum sp.	1	1	0	1	1	0	1	0	0	1
Lithophyllum pustulatum	0	1	0	3	1	0	1	0	1	0
Lithophyllum bermudense	1	12	0	4	6	10	5	0	12	5
Lithophyllum absimile	0	1	0	3	2	0	0	0	0	0
Lithothamnium sp.	0	2	0	1	0	0	0	0	0	0
Lithothamnium calcareum	0	0	1	0	2	0	0	0	0	0
Lithothamnium ruptile	0	3	0	0	0	0	0	0	0	1
Lithothamnium occidentale	0	1	1	1	1	0	0	0	0	0
Lithothamnium incertum	0	2	0	1	1	0	0	0	0	0
Lithothamnium sejunctum	1	1	0	0	2	0	0	0	0	0
Melobesia sp.	0	0	0	1	0	0	0	0	0	0
Amphiroa rigida v. antillana	0	0	0	0	0	0	1	0	0	0
Melobesieae	1	9	2	11	14	2	10	3	15	31
Melobesieae 1	0	2	0	0	0	0	0	0	0	0
Melobesieae 2	2	1	0	4	0	0	0	0	0	0
Melobesieae 3	0	2	0	0	0	0	0	0	0	0
Cryptonemia crenulata	0	3	0	0	0	0	0	0	0	0
Cryptonemia luxurians	0	3	0	0	0	0	0	0	0	0
Kallymenia limminghii	0	0	0	0	0	0	2	0	0	0

TABLE H.1. (CONTINUED).

TAXON	Number of Occurrences									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
Dudresnaya crassa	0	0	0	0	0	3	1	0	0	1
Champia parvula	0	1	0	0	0	0	4	0	2	0
Champia ?salicornoides	0	0	0	0	0	0	1	0	0	0
Lomentaria baileyana	0	0	0	1	0	16	7	0	3	1
Coelothrix irregularis	0	0	0	0	0	0	1	0	1	0
Botryocladia sp.	0	0	0	0	0	0	0	0	0	1
Botryocladia occidentalis	0	16	0	1	9	5	13	1	5	5
Botryocladia ?occidentalis	0	0	0	1	0	0	0	0	0	0
Chrysymenia halymenioides	0	0	0	0	0	0	0	0	1	0
Ceramium leptozonum	0	0	0	0	0	0	1	0	3	0
Griffthsia sp.	0	0	16	0	0	0	0	0	0	0
Griffithsia tenuis	0	0	0	0	0	0	0	0	1	0
Spermothamnion gymnocarpum	0	0	0	0	0	0	0	0	0	1
Dasya sp.	0	0	0	0	0	0	1	0	0	0
Dasya sertularioides	0	0	0	0	1	0	0	0	0	0
Dasya caraibida	0	0	0	0	0	0	1	0	0	0
Dasyopsis spinuligera	0	0	0	0	0	0	0	0	1	0
Dasyopsis antillarum	0	0	0	0	0	0	0	0	1	1
Polysiphonia sp.	0	0	0	0	0	0	0	1	0	0
Polysiphonia subtilissima	0	0	0	0	0	0	1	0	0	0
Polysiphonia ferulacea	0	0	0	0	0	0	0	0	2	0
Laurencia intricata	0	0	2	0	0	0	7	0	0	1
Laurencia chondrioides	0	0	1	0	0	0	0	0	0	0
Laurencia obtusa	0	0	0	0	0	0	1	0	0	0
Chondria baileyana	0	0	0	0	0	1	0	0	1	0
Chondria polyrhiza	0	0	0	3	7	0	0	0	0	1
SEAGRASS										
Halophila decipiens	0	0	9	0	0	0	0	0	0	0
PROTOZOA--Foraminiferida										
Archaias sp.	0	0	1	0	0	0	0	0	0	0
PORIFERA										
?Clathrina sp. A	1	1	0	0	0	0	0	0	0	0
?Leucetta sp. A	0	1	1	0	0	0	0	1	0	0
?Leucetta sp.	0	1	0	0	0	0	0	0	0	0
Demospongea-Keratosa-Dictyoceratida	0	1	0	0	0	0	0	0	0	0
Spongia sp.	0	0	0	0	1	0	0	0	0	0
Hippospongia lachne	0	0	0	0	0	0	2	0	0	0
Hippospongia ?lachne	0	0	0	0	2	0	0	0	0	0

TABLE H.1. (CONTINUED).

TAXON	Number of Occurrences									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
Hyattella intestinalis	1	6	0	1	4	0	0	0	0	1
Ircinia campana	3	1	0	6	4	7	1	0	7	5
Ircinia strobilina	2	10	0	4	7	1	4	0	4	10
Ircinia felix	11	8	0	4	3	12	5	2	2	5
Ircinia spp.	0	0	0	0	0	0	0	0	1	0
?Spongia sp. A	0	0	0	0	0	0	1	0	0	0
?Spongia sp.	0	0	0	0	1	0	0	0	0	0
?Holopsamma sp. A	1	2	3	2	2	5	3	0	1	2
?Holopsamma sp.	0	0	1	0	0	1	1	1	0	1
Dysidea janiae	0	1	0	0	0	0	0	0	0	0
Dysidea spp.	0	0	0	0	1	0	0	0	0	0
Euryspongia rosea	2	3	0	12	8	3	8	0	14	10
?Dysidea spp.	0	1	0	0	0	0	2	0	0	1
Aplysinidae	0	0	0	0	0	1	0	0	0	0
Aplysina sp.	0	1	0	0	0	0	0	0	0	0
Aplysina fistularis v. fistularis	0	0	0	1	0	0	0	0	0	0
Aplysina fistularis v. fulva	7	15	3	1	1	11	19	1	2	0
Aplysina sp. A	0	1	0	0	0	0	0	0	0	0
Aplysina ?fistularis	0	2	0	0	0	0	0	0	0	0
Aiolochroia crassa	0	0	0	0	0	2	0	1	0	0
?Aplysinidae sp. A	0	1	0	0	2	0	0	0	0	0
Keratosa sp. A	11	3	0	19	9	9	10	0	22	15
?Pleraplysillida sp.	0	1	0	0	2	0	0	0	0	0
Halisarca purpura	1	1	0	0	0	0	0	0	0	0
?Halisarca sp.	0	1	0	0	0	0	1	0	0	0
Chelonaplysilla sp.	0	1	0	0	0	0	0	0	0	0
Igernella notabilis	2	10	1	2	8	9	7	1	2	4
Igernella ?notabilis	1	0	0	0	0	0	0	0	0	0
?Chelonaplysilla sp.	0	1	0	0	0	0	0	0	0	0
Demospongea-Haplosclerida	0	0	0	1	0	0	0	0	0	0
Haliclona compressa	14	12	5	5	15	9	4	8	6	11
Haliclona viridis	0	0	0	8	7	2	2	2	8	10
Haliclona ?viridis	0	0	0	0	1	0	0	0	0	0
Haliclona ?compressa	3	0	0	0	1	0	0	0	0	0
Haliclona sp. A	0	1	0	0	1	5	3	0	0	3
Haliclona sp. B	2	3	0	1	2	7	0	0	3	4
Haliclona sp. C	1	4	0	1	4	15	3	0	7	12
Haliclona sp. D	2	0	0	0	2	5	1	0	0	3
Haliclona sp. E	2	5	0	1	3	2	0	0	1	0
Haliclona sp. F	0	0	0	1	4	0	0	0	2	0
Haliclona spp.	5	10	1	1	6	15	5	0	5	12

TABLE H.1. (CONTINUED).

TAXON	Number of Occurrences									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
Gellius sp.	0	0	0	0	2	0	0	0	1	0
Niphates erecta	8	1	1	1	1	11	5	1	0	2
Spinosella sp. A	0	0	0	0	0	0	0	0	0	1
?Gellius spp.	0	0	0	0	0	0	0	0	0	1
?Haliclona spp.	0	1	0	1	0	0	0	0	0	0
Strongylophora sp.	0	1	0	0	0	0	0	0	0	0
Sigmadocia spp.	0	1	0	0	0	0	0	0	0	0
Toxadocia sp.	0	0	0	0	1	0	0	0	0	0
Adocia sp.	0	0	0	4	0	0	0	0	1	0
?Sigmadocia sp. A	0	1	0	0	0	0	0	0	1	0
?Sigmadocia sp. B	0	2	0	0	2	0	0	0	0	0
?Sigmadocia sp.	0	0	0	0	0	0	0	0	1	0
?Adocia spp.	0	0	0	0	0	0	0	0	0	1
Nepheliospongiidae	0	0	0	2	0	1	0	0	0	0
Siphonodictyon sp.a	0	0	0	0	0	2	1	0	0	4
Rhizochalina oleracea	5	0	0	0	0	0	1	0	0	0
?Siphonodictyon sp. A	0	0	1	0	0	0	0	0	0	0
?Prianos sp.	0	1	0	0	0	0	0	0	0	0
Nepheliospongiidae sp. A	2	0	0	0	2	11	0	0	0	1
?Cribrochalina spp.	0	0	0	0	0	1	1	0	0	0
Demospongea-Poecilosclerida	1	0	0	0	0	0	0	0	0	0
Myxillidae	1	0	0	0	0	0	0	0	0	0
Mycale sp.	0	0	0	0	0	1	0	0	0	0
Mycale sp. A	0	0	0	0	1	0	0	0	0	1
Mycale sp. B	0	1	0	0	0	0	1	0	0	0
Neofibularia nolitangere	0	3	0	0	0	0	0	0	0	3
Ulosa ruetzleri	0	0	0	0	0	2	1	0	1	0
Ulosa ?hispida	4	20	0	4	1	17	12	0	7	1
?Ulosa spp.	0	1	0	0	0	0	0	0	0	0
Tedania ignis	0	0	0	0	1	0	0	0	0	0
Lissodendoryx ?isodictyalis	0	0	0	0	1	0	0	0	0	0
Acarnus sp. A	0	0	1	0	1	0	1	0	0	1
Acarnus sp. B	0	1	0	0	0	0	0	0	0	0
Lissodendoryx sigmata	1	0	0	0	1	0	0	0	1	2
Lissodendoryx sp. A	1	1	1	4	6	0	0	2	10	9
Lissodendoryx sp. B	0	0	0	0	1	0	0	0	0	0
?Lissodendoryx sp. A	0	0	0	0	0	0	0	0	1	0
?Tedania sp.	0	0	0	1	0	0	0	0	1	0
Microciona sp. A	3	4	0	1	4	1	0	0	0	1
Microciona sp. B	1	2	0	1	2	1	1	0	1	1
Microciona sp. C	1	4	0	2	3	1	0	0	0	2

TABLE H.1. (CONTINUED).

TAXON	Number of Occurrences									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
Microciona sp. D	3	1	0	0	0	2	3	0	0	0
Microciona sp. E	0	3	0	1	1	0	0	0	0	0
Microciona spp.	0	0	0	0	1	0	0	0	1	1
Thalysias sp.	0	0	0	1	0	0	0	0	0	0
Thalysias juniperina	2	3	1	0	1	4	3	1	1	3
Thalysias ?juniperina	0	0	0	0	1	2	0	0	0	1
Pandaros acanthifolium	0	1	2	4	1	0	0	0	1	2
?Microciona sp. A	0	0	1	0	0	0	0	0	0	0
?Microciona sp. D	0	0	0	0	0	0	1	0	0	0
?Microciona sp.	0	0	1	1	0	0	0	0	0	0
?Thalysias sp.	0	0	0	0	1	0	0	0	0	0
Hymedesmia sp. A	0	4	0	0	0	0	2	0	0	0
?Desmacella sp.	0	0	0	0	0	0	1	0	0	0
?Bubaris spp.	0	1	0	0	0	0	0	0	1	0
?Microcionidae	0	0	1	1	0	0	0	0	0	0
Halichondria melanadocia	0	2	0	3	2	0	0	0	1	0
Halichondria spp.	0	0	0	1	0	0	0	0	0	0
Hymeniacidon heliophila	0	0	0	2	0	0	0	0	1	0
Hymeniacidon ?heliophila	0	0	0	0	0	1	0	0	0	0
Oxeostilon burtoni	0	1	0	1	0	1	3	0	3	1
Spirastrella sp. A	10	31	0	7	9	28	24	0	9	6
Timea sp.	0	0	0	1	0	0	0	0	0	0
Timea mixta	0	1	0	2	2	0	0	0	0	0
Spheciospongia vesparium	0	0	0	1	5	3	0	0	2	5
Anthosigmella varians	12	19	15	18	14	18	17	14	18	12
?Spirastrella sp. A	0	0	0	0	0	0	0	0	1	0
?Spheciospongia sp.	0	0	0	0	0	0	0	0	1	0
Terpios fugax	0	2	0	0	0	0	2	0	0	0
Suberites sp.	0	0	0	0	1	0	0	0	0	0
Suberites sp. A	1	2	0	0	0	0	1	0	2	2
Laxosuberites coerulea	0	0	2	0	0	0	0	0	0	0
?Suberites sp.	0	0	0	0	0	1	0	0	0	0
?Suberites sp. A	0	0	0	0	1	0	0	0	0	0
Placospongia melobesioides	0	12	0	13	27	24	10	0	14	34
Cliona ?lampa	1	0	0	0	0	0	0	0	0	1
Cliona ?delitrix	0	0	0	0	0	1	0	0	0	0
Tethya crypta	1	0	0	0	0	0	0	0	1	0
Tethya seychellensis	3	1	0	0	2	1	0	0	0	2
Tethya sp. A	0	2	0	6	3	1	3	0	8	1
Demospongea-Epipolasida	0	0	0	0	0	0	1	0	0	0
Epipolasis lithophaga	10	9	4	19	22	27	4	1	15	13

TABLE H.1. (CONTINUED).

TAXON	Number of Occurrences									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
Epipolasis ?lithophaga	0	0	0	0	0	1	2	0	1	0
Epipolasis spp.	0	1	0	0	0	0	0	0	0	0
?Epipolasis spp.	0	0	0	0	0	0	1	0	0	0
Dorypleres ?carolinensis	1	0	0	0	0	0	0	0	0	0
Myriastra kallitetilla	3	0	0	0	0	2	1	0	0	1
Stoeba sp. A	6	0	0	0	0	0	0	0	0	0
Geodia neptuni	1	0	0	0	0	1	0	0	0	0
Geodia gibberosa	9	15	5	9	14	26	11	9	11	17
Geodia sp. A	1	2	1	0	0	0	0	0	0	0
Erylus spp.	0	0	0	0	0	1	0	0	0	0
?Geodia sp.	1	0	0	1	0	0	0	0	0	0
Cinachyra spp.	0	0	0	1	0	0	0	0	0	0
Cinachyra kuekenthali	1	6	1	5	6	2	2	1	6	12
Cinachyra alloclada	10	28	22	30	32	27	35	11	33	31
?Cinachyra sp.	0	0	0	0	0	1	0	0	0	0
Chondrilla nucula	1	2	0	2	1	28	0	0	1	1
Chondrosia sp. A	0	0	0	0	0	1	1	0	1	0
Chondrosia spp.	0	3	0	1	0	0	0	0	0	0
?Chondrosia sp. A	0	1	0	0	0	0	0	0	0	0
?Plakortis sp.	0	0	0	0	1	0	0	0	0	0
Demospongea-Lithistida	0	0	0	1	0	0	0	0	0	0
Axinellidae	0	0	0	0	1	0	1	0	0	0
Axinella bookhouti	2	6	8	8	12	8	12	4	9	6
Axinella polycapella	0	1	2	0	0	2	6	0	2	6
Axinella ?polycapella	0	0	1	0	0	0	0	0	2	0
Axinella sp. A	0	0	0	0	1	0	1	0	0	0
Axinella sp. B	0	0	0	0	0	0	8	0	0	1
Axinella spp.	0	2	0	0	0	1	0	0	0	2
Homaxinella waltonsmithi	3	10	5	2	5	8	16	6	6	5
Homaxinella ?waltonsmithi	0	1	0	0	0	0	0	0	0	0
Pseudaxinella lunaecharta	1	11	0	13	18	14	15	1	16	17
Pseudaxinella grayi	0	4	0	1	4	4	5	0	2	4
Pseudaxinella sp. A	0	0	0	0	0	0	3	0	0	0
Pseudaxinella ?lunaecharta	0	1	0	0	0	0	0	0	0	0
Teichaxinella sp.	0	0	0	0	0	0	0	0	1	0
Teichaxinella sp. A	0	2	0	0	1	0	2	0	3	4
Phakellia folium	0	0	1	0	0	2	1	0	2	0
Ptilacaulis ?spiculifer	0	5	0	1	0	0	13	1	5	2
?Teichaxinella sp. A	0	0	0	0	0	0	1	0	0	0
?Pseudaxinella sp.	0	0	0	0	0	0	0	0	1	0
?Axinella sp.	1	0	0	0	1	0	0	0	0	0

TABLE H.1. (CONTINUED).

TAXON	Number of Occurrences									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
?Axinella spp.	0	0	0	0	0	0	0	0	0	1
Myrmekioderma ?styx	0	0	0	1	0	0	0	0	0	0
Myrmekioderma sp. A	0	0	0	1	2	0	0	0	3	2
Higginsia sp.	0	0	0	0	0	0	1	0	0	0
Higginsia strigilata	2	1	0	3	0	0	6	0	0	2
?Myrmekioderma sp. A	0	0	0	0	0	0	0	0	1	0
Hemectyon pearsei	1	1	1	0	3	0	3	2	6	11
Tricheurypon ?viride	0	1	0	0	0	0	0	0	0	0
?Eurypon sp.	0	0	0	1	0	1	1	0	0	2
CNIDARIA--Hydrozoa										
Turritopsis nutricula	0	1	0	0	0	0	0	0	0	0
Eudendrium carneum	3	1	3	3	2	1	0	1	1	3
Eudendrium tenellum	0	0	1	0	0	0	0	0	0	0
Campanularia marginata	19	0	9	19	0	0	0	16	16	2
Clytia fragilis	0	1	1	0	0	0	0	0	0	0
Lafoea venusta	0	0	2	0	0	0	0	0	0	0
Lafoeina maxima	0	0	1	0	0	0	0	0	0	0
Sertularella conica	0	0	0	0	0	0	0	1	0	0
Sertularella speciosa	0	0	1	0	0	0	0	0	0	0
Sertularia mayeri	0	0	0	1	0	0	0	0	0	0
Sertularia westindica	0	0	5	0	0	0	0	1	3	1
Dyshasia digitalis	0	0	0	1	0	0	0	0	2	7
Antennella gracilis	1	0	0	0	0	0	0	0	0	0
Synthecium tubithecum	0	0	5	0	0	0	0	0	0	0
Synthecium robustum	0	0	15	1	0	0	0	0	0	0
Synthecium nanum	0	0	1	0	0	0	0	0	0	0
CNIDARIA--Anthozoa										
Carejoa riisei	1	0	0	2	4	0	0	0	2	2
Plexauridae	0	0	1	0	0	0	0	0	0	0
Pseudoplexaura sp.	1	0	0	0	0	0	0	0	0	0
Pseudoplexaura porosa	2	0	0	0	1	0	3	2	0	0
Pseudoplexaura wagenaari	0	9	0	0	3	0	4	0	1	0
Pseudoplexaura flagellosa	0	2	0	0	0	0	0	0	0	0
Eunicea (Euniceopsis) sp.	9	2	0	1	1	1	12	0	2	0
Eunicea calyculata	5	12	2	1	3	1	2	2	1	0
Eunicea sp. cf. calyculata	0	0	0	0	0	0	1	0	1	0
Eunicea knighti	0	6	1	0	0	0	0	0	0	4
Eunicea cf. laciniata	0	4	1	0	0	1	2	1	0	1
Eunicea asperula	0	0	0	0	0	0	1	0	0	0

TABLE H.1. (CONTINUED).

TAXON	Number of Occurrences									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
Eunicea tourneforti	0	0	0	0	0	0	0	0	0	1
Eunicea sp. cf. tourneforti	0	0	0	0	0	0	7	0	0	0
Eunicea (Euniceopsis) sp. indet.	1	3	0	0	0	1	6	0	0	0
Eunicea ?fusca	0	0	0	0	0	0	1	0	0	0
Eunicea ?calyculata	0	4	1	0	0	1	5	1	1	0
Eunicea ?knighti	0	7	0	0	2	0	3	0	0	3
Eunicea ?laciniata	0	0	0	0	0	1	1	0	0	0
Eunicea ?asperula	0	1	0	0	0	0	1	0	0	0
Eunicea ?clavigera	1	0	0	0	0	0	1	0	0	0
Plexaurella sp.	0	0	0	1	0	0	2	0	0	0
Plexaurella nutans	0	3	1	1	4	1	7	0	2	1
Plexaurella fusifera	3	6	5	6	3	0	5	3	2	4
Muricea elongata	1	15	0	1	2	3	14	1	0	8
Muricea laxa	0	23	0	0	4	1	2	0	0	0
Muriceopsis sp.	0	0	2	0	0	0	0	0	0	0
Lophogorgia sp.	0	0	0	0	0	0	0	1	0	0
Lophogorgia cardinalis	0	0	2	0	0	0	0	2	0	0
Lophogorgia hebes	10	0	0	0	0	3	0	0	0	1
Leptogorgia virgulata	8	0	0	0	0	1	0	0	0	0
Pseudopterogorgia acerosa	1	26	29	1	0	0	18	18	2	1
Pseudopterogorgia rigida	1	5	3	0	0	0	5	6	0	0
Pseudopterogorgia americana	0	1	0	0	0	0	8	0	1	0
Pterogorgia guadalupensis	6	23	1	7	5	3	21	2	4	4
Zoantharia-Actiniaria	0	0	0	0	0	0	1	0	0	0
Anemone sp.	0	2	0	0	0	0	0	0	0	2
Stephanocoenia michelinii	0	8	0	0	0	0	2	0	0	0
Siderastrea siderea	1	0	0	0	2	0	0	0	0	0
Siderastrea radians	17	17	2	12	16	20	9	3	16	12
Porites porites	0	4	0	0	0	0	0	0	0	0
Porites porites divaricata	0	8	0	0	0	0	6	0	0	0
Porites branneri	0	1	0	0	0	0	0	0	0	0
Manicina areolata	0	3	0	0	0	2	2	0	0	0
Cladocora arbuscula	2	31	3	0	1	23	25	1	0	1
Solenastrea hyades	13	7	2	7	5	12	12	1	6	5
Phyllangia americana	4	10	0	14	30	24	8	1	19	32
Scolymia lacera	0	8	0	0	2	0	6	0	0	1
Isophyllia sinuosa	0	16	0	0	0	0	13	0	0	0
ANNELIDA										
Polychaeta	6	17	13	18	15	14	1	0	2	1

TABLE H.1. (CONTINUED).

TAXON	Number of Occurrences									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
MOLLUSCA--Gastropoda										
Diodora cayenensis	2	5	1	0	2	4	0	1	0	1
Diodora dysoni	0	0	0	0	0	1	0	0	0	0
Diodora sayi	0	0	0	0	0	3	1	0	0	0
Diodora listeri	1	0	0	0	0	2	1	0	0	0
Lucapinella limatula	0	0	1	0	2	0	0	0	0	0
Lucapina sowerbii	0	0	0	0	1	0	0	0	0	0
Calliostoma jujubinum	0	0	0	0	0	0	0	1	0	0
Astraea sp.	0	0	0	0	0	0	1	0	0	0
Vermicularia knorii	5	2	2	2	1	3	0	1	0	1
Diastoma ?varium	0	0	1	0	0	0	0	0	0	0
Cerithium atratum	9	2	0	1	0	3	2	1	1	0
Cerithium litteratum	0	0	1	0	0	0	0	0	0	0
Seila adamsi f. terebralis	0	0	0	1	0	0	0	0	0	0
Strombus costatus	0	0	1	1	0	0	0	1	2	0
Crepidula aculeata	8	8	2	6	16	16	0	1	4	6
Crepidula maculosa	0	0	0	0	1	0	0	0	0	0
Xenophora conchyliophora	0	0	1	0	0	0	0	0	0	0
Trivia maltbiana	0	2	0	0	0	0	0	0	0	0
Trivia pediculus	0	0	0	0	0	0	0	1	0	0
Erato maugeriae	0	0	0	1	0	0	0	0	0	0
Cymatium labiosum	0	0	0	0	0	1	0	0	0	0
Thais haemastoma floridana	0	0	0	0	0	0	0	0	0	1
Acanthotrophon striatoides	0	0	0	1	0	0	0	0	0	0
Chicoreus florifer	2	3	2	2	0	6	2	0	0	2
Chicoreus dilectus	0	0	0	0	0	1	0	0	2	1
Murex rubidus	0	0	1	0	0	0	0	0	0	0
Favartia cellulosa	3	0	2	1	0	0	0	0	0	0
Calotrophon ostrearum	0	0	0	0	0	0	0	0	0	1
Anachis lafresnayi	2	0	2	0	0	0	0	0	0	0
Suturoglypta lontha	0	0	1	0	0	0	0	0	0	0
?Cosmioconcha sp.	0	0	1	0	0	0	0	0	0	0
Colubraria lanceolata	0	0	0	0	0	2	0	0	0	0
Pisania tincta	3	0	0	3	2	5	2	0	0	1
Cantharus multangulus	0	0	0	0	0	1	0	0	0	0
Nassarius floridensis	3	0	0	0	2	1	0	1	0	0
Nassarius hottessleri	0	0	0	0	0	1	0	0	0	0
Latirus cariniferus	0	1	0	1	0	0	1	0	2	0
Latirus angulatus	0	0	0	0	0	1	0	0	0	0
Latirus macgintyi	0	2	0	0	0	0	0	0	0	0
Pleuroploca gigantea	0	0	0	0	0	0	0	0	0	1

TABLE H.1. (CONTINUED).

TAXON	Number of Occurrences									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
Leucozonia nassa	0	1	0	0	0	0	0	0	1	0
Prunum rooseveiti	0	0	0	0	0	0	1	0	0	0
Crassispira tampaensis	1	0	2	0	0	0	0	0	0	0
Crassispira ostrearum	0	0	0	0	0	0	1	0	0	0
Crassispira leucocyma	0	0	1	0	1	0	0	0	0	2
Crassispira albomaculata	0	0	0	0	1	0	0	0	0	0
Ithycythara cymella	1	0	0	0	0	0	0	0	0	0
Conus stearnsi	0	0	1	0	0	0	0	0	0	0
Tridachia crispata	0	0	0	0	0	0	0	0	1	0
Nudibranchia-Doridoidea	1	0	0	0	0	0	0	0	0	0
Glossodoris edenticulata	1	0	0	0	0	0	0	0	0	0
Gastropoda eggs	1	0	0	0	0	0	0	0	0	0
MOLLUSCA--Polyplacophora										
Ischnochiton floridana	0	0	0	0	1	0	0	1	0	0
Chaetopleura apiculata	0	2	1	1	0	0	0	0	0	0
MOLLUSCA--Bivalvia										
Anadara notabilis	1	0	0	1	2	2	1	0	5	3
Arca zebra	1	16	0	0	6	18	4	0	0	6
Arca imbricata	0	1	0	1	0	3	0	0	0	1
Barbatia domingensis	0	0	0	0	0	0	0	0	1	0
Barbatia candida	0	0	0	0	3	0	0	0	0	0
Modiolus americanus	1	3	0	0	0	2	2	0	0	2
Lithophaga sp.	0	0	0	0	0	3	0	0	0	0
Lithophaga bisulcata	1	2	0	1	1	7	1	0	0	4
Lithophaga antillarum	0	0	0	2	1	0	0	0	0	0
Lithophaga nigra	3	3	0	3	0	3	0	0	0	0
Lioberus castaneus	0	0	0	0	0	1	0	0	0	0
Atrina seminuda	0	0	0	0	0	1	0	0	0	0
Pinctada imbricata	1	0	0	4	1	0	0	0	3	1
Pteria colymbus	3	1	3	2	1	0	2	0	0	2
Argopecten gibbus	0	0	0	0	0	0	0	0	0	1
Plicatula gibbosa	0	0	0	0	0	1	0	0	0	0
Spondylus americanus	0	3	1	0	0	0	0	0	1	0
Pododesmus rudis	0	0	0	1	0	0	0	0	0	0
Anomia simplex	0	0	0	0	0	0	0	0	0	1
Lima pellucida	0	0	0	0	1	0	0	0	0	2
Ostreola equestris	1	0	0	0	0	0	0	0	0	0
Ostrea rhizophora	0	0	0	0	1	0	0	0	0	0
Ostrea permellis	0	0	0	0	0	1	0	0	0	0

TABLE H.1. (CONTINUED).

TAXON	Number of Occurrences									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
Lopha frons	1	12	0	2	0	0	3	0	0	0
Lopha frons cf. *limacella*	0	0	0	0	1	0	0	0	0	0
Laevicardium mortoni	0	0	0	0	1	0	0	0	2	0
Laevicardium pictum	1	0	0	0	0	0	0	1	0	0
Papyridea soleniformis	0	1	0	0	0	0	0	0	1	0
Papyridea semisulcata	0	0	0	1	0	0	0	0	0	0
Semele bellastriata	0	0	0	0	0	0	1	0	0	0
Chione grus	0	0	0	1	1	2	0	0	0	0
Rupellaria typica	0	0	0	0	0	1	0	0	0	1
Varicorbula operculata	0	0	0	0	1	0	0	0	0	0
Gastrochaena hians	0	2	0	2	0	0	0	0	0	1
Lyonsia beana	0	0	0	0	0	1	0	1	1	1
Chama congregata	0	4	0	1	5	3	0	0	0	0
Chama macerophylla	1	17	0	11	16	22	5	0	8	16
MOLLUSCA--Cephalopoda										
Octopus vulgaris	0	0	0	0	0	0	0	0	0	1
ARTHROPODA--Pycnogonida										
Arthropoda-Pycnogonida	0	0	0	0	0	0	0	1	0	0
Anoplodactylus insignis	1	0	4	0	0	0	0	1	0	0
ARTHROPODA--Crustacea										
Crustacea-Cirripedia	0	0	0	0	0	0	0	0	0	2
Cirripedia-Thoracica	0	0	0	0	0	1	0	0	0	0
Balanus trigonus	0	0	0	0	0	1	0	0	0	0
Conopea merrilli	0	0	0	0	0	0	1	0	0	0
Membranobalanus declivis	0	0	0	0	1	0	0	0	0	0
Peracarida-Isopoda	0	4	1	5	0	0	0	0	0	0
Peracarida-Amphipoda	3	4	1	2	0	0	0	0	0	0
Eucarida-Decapoda	2	0	0	0	0	0	0	0	0	0
Metapenaeopsis goodei	0	0	1	0	0	0	0	0	0	0
Sicyonia laevigatus	0	0	1	0	0	0	0	0	0	0
Anchistioides antiguensis	0	0	1	0	0	0	0	0	0	0
Periclimenes americanus	1	0	0	1	0	0	0	0	0	0
Periclimenaeus bredini	3	1	0	1	0	0	0	0	0	0
Neopontonides beaufortensis	3	0	0	0	0	0	0	0	0	0
Alpheus normanni	2	0	0	3	0	0	0	0	0	0
Synalpheus sp.	0	1	0	0	0	0	0	0	0	0
Synalpheus cf. *bousfieldi*	0	0	0	0	1	0	0	0	0	0
Synalpheus goodei	0	1	0	0	1	5	0	0	0	0
Synalpheus herricki	0	1	0	0	0	0	0	0	0	0
Synalpheus minus	1	0	0	3	2	3	0	0	0	1

TABLE H.1. (CONTINUED).

TAXON	Number of Occurrences									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
Synalpheus pandionis	0	2	0	0	0	0	0	0	0	0
Synalpheus townsendi	3	14	0	7	2	15	0	0	4	1
Synalpheus cf. townsendi	0	1	0	0	0	0	0	0	0	0
Synalpheus ?tanneri	0	5	0	0	0	0	0	0	0	0
Thor floridanus	1	0	0	0	0	0	0	0	0	0
Thor cf. manningi	0	0	0	0	1	0	0	0	0	0
Tozeuma sp.	0	0	1	0	0	0	0	0	0	0
Tozeuma serratum	0	1	1	0	0	0	0	0	0	0
Pagurus brevidactylus	3	0	0	0	1	2	0	0	0	1
Pagurus stimpsoni	1	0	0	2	0	0	0	2	2	1
Pagurus carolinensis	2	2	3	2	0	0	0	0	0	0
Phimochirus holthuisi	0	0	0	0	0	0	0	1	0	0
Petrolisthes galathinus	10	5	3	13	7	17	3	3	8	7
Neopisosoma sp.	0	1	0	0	0	0	0	0	0	0
Megalobrachium soriatum	4	2	1	3	1	14	2	0	0	0
Paguristes hummi	3	0	0	0	0	0	0	0	0	0
Paguristes punticeps	0	2	1	1	0	1	5	5	1	0
Paguristes tortugae	6	7	1	4	1	9	3	2	2	6
Dromidia antillensis	0	0	2	2	0	1	0	0	0	0
Hypoconcha sabulosa	0	0	0	0	0	0	0	0	0	1
Pella mutico	4	0	0	0	0	0	0	0	0	0
Macrocoeloma camptocerum	3	0	5	2	0	0	0	0	0	0
Macrocoeloma cf. trispinosum	1	2	1	0	0	1	0	0	0	1
Metoporhaphis calcarata	0	0	1	0	0	0	0	0	0	0
Microphrys antillensis	1	0	0	2	0	0	0	0	3	0
Mithrax (Mithrax) hispidus	0	0	0	3	2	0	0	0	0	1
Mithrax (Mithrax) pleuracanthus	4	5	5	4	1	1	7	4	8	1
Mithrax (Mithraculus) forceps	0	16	0	2	0	12	7	0	1	0
Pitho lherminieri	0	0	2	1	0	0	0	0	0	1
Podochela riisei	0	0	4	0	0	0	0	1	0	0
Stenocionops furcata furcata	0	0	0	0	0	0	1	0	0	0
Stenorhynchus seticornis	0	0	3	0	0	0	0	0	0	0
Tyche emarginata	0	0	1	0	1	0	0	0	0	0
Panopeus cf. occidentalis	2	0	0	4	1	5	0	0	4	2
Lobopilumnus agassizi	0	0	0	0	0	0	0	1	0	0
Pilumnus dasypodus	5	2	0	6	4	14	0	0	1	7
Pilumnus floridanus	0	0	0	4	0	0	0	0	0	0
Pilumnus sayi	4	1	6	7	2	5	2	2	7	4
Pilumnus lacteus	0	0	0	0	0	0	0	0	2	1
Pilumnus sp. A	1	1	0	4	1	0	0	0	0	0
Pseudomedaeus agassizi	0	1	0	0	0	3	0	1	0	0

TABLE H.1. (CONTINUED).

TAXON	Number of Occurrences									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
Euryplax nitida	0	0	1	0	0	0	0	0	1	0
Dissodactylus sp. A	1	0	0	0	0	0	0	0	0	0
Pinnixa sp. A	0	0	0	1	0	0	0	0	0	0
Gonodactylus bredini	0	2	1	3	1	1	3	0	2	1
SIPUNCULA										
Sipuncula	0	0	0	1	0	2	0	0	0	0
ECTOPROCTA										
Amathia convoluta	34	9	22	8	1	3	8	11	0	0
Amathia distans	0	0	0	0	3	0	0	0	0	0
Zoobotryon verticillatum	0	2	10	0	0	0	0	0	0	0
Aetea sica	0	0	1	0	0	0	0	0	0	0
Membranipora tuberculata	0	0	0	0	2	0	0	0	0	0
Membranipora savarti	1	0	0	0	0	0	0	1	0	0
Antropora tincta	1	0	0	0	0	0	0	0	1	0
cf. *Antropora tincta*	1	0	0	0	0	0	0	0	0	0
Exechonella antillea	1	0	5	1	0	1	0	2	1	0
Discoporella umbellata	0	0	1	0	0	0	0	0	0	0
Thalamoporella gothica	0	0	0	0	0	0	0	1	0	0
Nellia oculata	1	0	23	1	3	0	0	5	3	2
Bugula turrita	0	0	0	0	0	0	0	1	0	0
Caulibugula levinseni	0	4	1	0	1	0	0	2	0	0
Caulibugula cf. *levinseni*	0	0	1	0	0	0	0	0	0	0
Caulibugula armata	0	0	7	0	2	0	0	0	0	0
Beania mirabilis	0	0	1	0	0	0	0	0	0	0
Scrupocellaria sp.	0	0	0	0	0	0	0	1	0	0
Cupuladria biporosa	0	0	2	0	0	0	0	0	0	0
Cupuladria doma	0	0	4	0	0	0	0	0	0	0
Schizoporella unicornis	5	17	7	9	8	2	7	10	14	14
Stylopoma spongites	0	0	15	11	16	2	1	7	13	16
Cleidochasma contractum	0	0	0	0	1	0	0	0	1	0
Cleidochasma porcellanum	0	0	0	0	0	0	0	1	0	0
Lacerna signata	0	0	1	0	0	0	0	0	0	0
Rhynchozoon sp.	0	0	1	1	0	0	3	3	3	4
Rhynchozoon spicatum	0	0	1	0	1	0	0	0	0	0
Rhynchozoon verruculatum	0	0	0	0	0	0	3	0	2	1
Rhynchozoon sp. A	0	4	0	0	1	0	0	0	0	0
Hippaliosina rostrigera	0	0	1	0	0	0	0	0	0	0
Mamilloporidae	0	0	0	0	0	0	0	0	1	0
Celleporaria sp.	0	0	0	0	0	0	1	0	0	0

TABLE H.1. (CONTINUED).

TAXON	Number of Occurrences									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
Celleporaria albirostris	0	9	1	9	7	0	12	3	24	20
Celleporaria magnifica	1	6	0	8	9	2	6	0	16	12
Parasmittina trispinosa	0	0	0	0	2	0	0	0	0	0
Parasmittina spathulata	0	0	0	0	1	0	1	2	1	0
Parasmittina cf. spathulata	0	0	0	0	0	0	0	0	1	0
Parasmittina nitida	0	2	0	0	1	0	0	1	0	0
Smittina sp.	0	0	0	0	0	0	0	1	0	0
Crisia elongata	0	1	5	6	1	0	0	9	4	3
Diaperoecia floridana	0	1	0	0	0	0	0	2	0	0
ECHINODERMATA--Asteroidea										
Luidia sp.	0	0	0	0	1	0	0	0	0	0
Luidia alternata	0	0	0	0	1	0	0	0	0	1
Oreaster reticulatus	0	0	1	0	0	0	0	0	0	0
Echinaster sp.	0	0	0	0	0	1	2	1	0	1
Echinaster spinulosus	0	0	0	0	0	1	0	0	0	0
ECHINODERMATA--Ophiuroidea										
Gorgonocephalidae	0	0	0	0	0	0	0	1	0	0
Astrophyton muricatum	0	0	10	0	0	0	1	12	0	0
Ophionereis reticulata	0	2	0	1	3	2	0	0	2	5
Ophioderma brevispinum	0	0	0	3	2	0	1	0	1	1
Ophioderma cinereum	0	2	0	0	0	0	2	0	0	0
Ophioderma sp. 2	0	0	0	0	0	0	0	1	0	0
Ophiactis mulleri	12	11	2	1	3	12	2	1	1	3
Ophiostigma isocantha	1	5	1	5	4	3	2	0	2	1
Ophiothrix angulata	24	8	4	13	15	24	12	2	11	16
Ophiothrix suensonii	4	30	1	0	1	1	21	1	0	0
ECHINODERMATA--Echinoidea										
Arbacia punctulata	1	3	0	0	2	9	6	0	1	0
Lytechinus variegatus carolinus	0	0	0	1	0	4	1	0	0	0
Clypeaster subdepressus	2	0	0	0	0	0	0	0	0	0
ECHINODERMATA--Holothuroidea										
Ocnus pygmaeus	1	0	0	0	0	1	0	0	0	0
Holothuria (Cystipus) cubana	0	0	0	0	0	0	1	0	0	0
Isostichopus badionotus	1	0	1	0	1	0	0	0	0	0
HEMICHORDATA										
Rhabdopleura compacta	0	0	10	0	0	0	0	0	0	0

TABLE H.1. (CONTINUED).

TAXON	Number of Occurrences									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
UROCHORDATA										
Chordata-Urochordata	0	0	0	0	0	1	0	0	0	0
Cystodytes dellechiajei	2	26	2	9	8	2	18	1	6	16
Cystodytes sp. 1	0	0	0	1	0	0	0	0	0	0
Clavelina sp.	3	4	4	12	13	10	0	0	2	3
Clavelina gigantea	2	1	0	4	4	19	0	0	0	5
Clavelina picta	5	5	2	5	1	6	3	2	1	1
Distaplia bermudensis	0	2	0	1	1	1	0	0	0	2
Distaplia stylifera	0	0	0	0	1	0	0	0	0	0
Eudistoma sp.	1	0	0	1	0	1	0	0	0	1
Eudistoma capsulatum	0	1	0	1	1	10	1	0	1	2
Eudistoma tarponense	0	0	1	4	1	1	1	0	4	2
Polyclinidae	0	0	0	0	0	1	0	0	0	0
Aplidium sp.	0	0	0	0	0	1	0	0	0	1
Aplidium bermudae	0	0	0	0	0	1	0	0	0	2
Aplidium constellatum	0	0	0	0	0	4	0	0	2	0
Aplidium lobatum	0	2	1	1	1	0	2	0	4	2
Didemnidae	1	1	1	1	0	1	1	0	0	0
Didemnum sp.	0	0	0	0	0	0	1	0	0	0
Didemnum candidum	7	5	12	7	14	0	12	3	8	3
Didemnum amethysteum	0	1	0	2	1	2	3	0	1	0
Trididemnum sp.	0	0	1	0	0	0	0	0	0	0
Trididemnum savignii	1	3	0	1	1	2	0	0	1	1
Echinoclinum verrilli	4	0	1	3	1	0	0	1	0	1
Ascidia sp.	1	0	1	0	0	3	0	0	0	1
Ascidia interrupta	0	0	0	0	1	0	0	0	0	1
Ascidiacea-Stolidobranchiata	0	0	0	0	0	0	3	0	0	0
Styela partita	0	1	0	1	1	3	0	0	0	5
Styela plicata	0	0	0	0	0	1	1	2	0	1
Polycarpa circumarata	0	5	0	3	19	1	1	0	7	12
Polyandrocarpa sp.	0	0	1	0	0	0	0	0	0	1
Polyandrocarpa tincta	2	0	1	1	0	8	0	0	1	2
Polyandrocarpa maxima	0	0	0	0	1	1	0	0	0	0
Symplegma viride	0	0	0	0	3	0	0	0	1	0
Pyura vittata	3	3	0	1	1	2	0	0	0	1
Microcosmus exasperatus	0	0	0	0	1	6	1	0	0	3
Molgula occidentalis	0	0	0	0	0	1	0	0	0	0
Botryllioides nigrum	0	2	0	0	0	0	0	0	0	0
Botryllus schlosseri	0	0	1	2	7	0	0	0	1	0
Botyllidae	0	0	0	1	1	0	0	0	0	0

TABLE H.1. (CONTINUED).

TAXON	Number of Occurrences									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
CHORDATA--Vertebrata (fishes)										
Raja eglanteria	1	0	0	0	0	0	0	0	0	0
Trachinocephalus myops	1	0	0	0	0	0	0	0	0	0
Gobiesox strumosus	0	0	0	0	0	0	0	0	0	1
Gobiosoma macrodon	0	0	0	0	0	2	0	0	0	0
TOTAL NUMBER OF QUADRATS HARVESTED (n)	37	35	44	35	37	35	35	35	35	42

Values are number of occurrences out of (n) possible occurrences at each station/cruise.

TABLE H.2. MEAN ABUNDANCES OF MOLLUSCS, CRUSTACEANS, AND ECHINODERMS IN DIVER-HARVESTED QUADRATS.

TAXON	Mean Abundance (no. individuals/quadrat)									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
MOLLUSCA--Gastropoda										
Diodora cayenensis	0.09	0.17	0.02	0.00	0.09	0.14	0.00	0.03	0.00	0.02
Diodora dysoni	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
Diodora sayi	0.00	0.00	0.00	0.00	0.00	0.11	0.03	0.00	0.00	0.00
Diodora listeri	0.03	0.00	0.00	0.00	0.00	0.09	0.03	0.00	0.00	0.00
Lucapinella limatula	0.00	0.00	0.02	0.00	0.06	0.00	0.00	0.00	0.00	0.00
Lucapina sowerbii	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
Calliostoma jujubinum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
Astraea sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
Vermicularia knorii	0.14	0.06	0.09	0.06	0.03	0.09	0.00	0.03	0.00	0.02
Diastoma ?varium	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cerithium atratum	1.17	0.06	0.00	0.06	0.00	0.09	0.14	0.03	0.03	0.00
Cerithium litteratum	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Seila adamsi f. terebralis	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Strombus costatus	0.00	0.00	0.02	0.03	0.00	0.00	0.00	0.03	0.06	0.00
Crepidula aculeata	0.71	0.34	0.05	0.29	0.66	0.94	0.00	0.03	0.14	0.19
Crepidula maculosa	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
Xenophora conchyliophora	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trivia maltbiana	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trivia pediculus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
Erato maugeriae	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Cymatium labiosum	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
Thais haemastoma floridana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Acanthotrophon striatoides	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Chicoreus florifer	0.06	0.09	0.05	0.06	0.00	0.17	0.06	0.00	0.00	0.05
Chicoreus dilectus	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03	0.02
Murex rubidus	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favartia cellulosa	0.09	0.00	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Calotrophon ostrearum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Anachis lafresnayi	0.06	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Suturoglypta lontha	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
?Cosmioconcha sp.	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colubraria lanceolata	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00
Pisania tincta	0.09	0.00	0.00	0.09	0.09	0.14	0.06	0.00	0.00	0.02
Cantharus multangulus	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
Nassarius floridensis	0.11	0.00	0.00	0.00	0.06	0.03	0.00	0.03	0.00	0.00
Nassarius hottessleri	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
Latirus cariniferus	0.00	0.03	0.00	0.03	0.00	0.00	0.03	0.00	0.09	0.00
Latirus angulatus	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
Latirus macgintyi	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE H.2. (CONTINUED).

TAXON	Mean Abundance (no. individuals/quadrat)									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
Pleuroploca gigantea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Leucozonia nassa	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
Crassispira tampaensis	0.03	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crassispira ostrearum	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
Crassispira leucocyma	0.00	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.10
Crassispira albomaculata	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
Ithycythara cymella	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conus stearnsi	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tridachia crispata	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
Nudibranchia-Doridoidea	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Glossodoris edenticulata	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MOLLUSCA--Polyplacophora										
Ischnochiton floridana	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00
Chaetopleura apiculata	0.00	0.06	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00
MOLLUSCA--Bivalvia										
Anadara notabilis	0.03	0.00	0.00	0.03	0.06	0.06	0.00	0.00	0.14	0.10
Arca zebra	0.03	0.80	0.00	0.00	0.20	1.14	0.17	0.00	0.00	0.14
Arca imbricata	0.00	0.03	0.00	0.03	0.00	0.09	0.00	0.00	0.00	0.02
Barbatia domingensis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
Barbatia candida	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00
Modiolus americanus	0.03	0.09	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.07
Lithophaga sp.	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00
Lithophaga bisulcata	0.06	0.11	0.00	0.03	0.03	0.23	0.06	0.00	0.00	0.10
Lithophaga antillarum	0.00	0.00	0.00	0.14	0.06	0.00	0.00	0.00	0.00	0.00
Lithophaga nigra	0.09	0.34	0.00	0.17	0.00	0.23	0.00	0.00	0.00	0.00
Lioberus castaneus	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
Atrina seminuda	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
Pinctada imbricata	0.03	0.00	0.00	0.51	0.03	0.00	0.00	0.00	0.09	0.02
Pteria colymbus	0.20	0.03	0.07	0.09	0.03	0.00	0.03	0.00	0.00	0.05
Argopecten gibbus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Plicatula gibbosa	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
Spondylus americanus	0.00	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.03	0.00
Pododesmus rudis	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Anomia simplex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Lima pellucida	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.05
Ostreola equestris	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ostrea rhizophora	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
Ostrea permellis	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
Lopha frons	0.03	0.80	0.00	0.09	0.00	0.00	0.29	0.00	0.00	0.00
Lopha frons cf. limacella	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00

TABLE H.2. (CONTINUED).

TAXON	Mean Abundance (no. individuals/quadrat)									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
Laevicardium mortoni	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.06	0.00
Laevicardium pictum	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
Papyridea soleniformis	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
Papyridea semisulcata	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Semele bellastriata	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
Chione grus	0.00	0.00	0.00	0.03	0.06	0.06	0.00	0.00	0.00	0.00
Rupellaria typica	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.02
Varicorbula operculata	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
Gastrochaena hians	0.00	0.06	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.02
Lyonsia beana	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.03	0.03	0.02
Chama congregata	0.00	0.20	0.00	0.03	0.23	0.17	0.00	0.00	0.00	0.00
Chama macerophylla	0.03	0.71	0.00	0.54	0.74	1.31	0.37	0.00	0.54	1.07
MOLLUSCA--Cephalopoda										
Octopus vulgaris	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
ARTHROPODA--Pycnogonida										
Arthropoda-Pycnogonida	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
Anoplodactylus insignis	0.03	0.00	0.09	0.00	0.00	0.00	0.00	0.03	0.00	0.00
ARTHROPODA--Crustacea										
Cirripedia-Thoracica	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00
Balanus trigonus	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00
Conopea merrilli	0.00	0.00	0.00	0.00	0.00	0.00	1.60	0.00	0.00	0.00
Membranobalanus declivis	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
Peracarida-Isopoda	0.00	0.14	0.02	0.20	0.00	0.00	0.00	0.00	0.00	0.00
Peracarida-Amphipoda	0.17	0.11	0.02	0.06	0.00	0.00	0.00	0.00	0.00	0.00
Eucarida-Decapoda	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Metapenaeopsis goodei	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sicyonia laevigatus	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Anchistioides antiguensis	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Periclimenes americanus	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Periclimenaeus bredini	0.09	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Neopontonides beaufortensis	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alpheus normanni	0.06	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Synalpheus sp.	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Synalpheus cf. *bousfieldi*	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00
Synalpheus goodei	0.00	0.03	0.00	0.00	0.03	0.29	0.00	0.00	0.00	0.00
Synalpheus herricki	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Synalpheus minus	0.03	0.00	0.00	0.11	0.06	0.09	0.00	0.00	0.00	0.02
Synalpheus pandionis	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE H.2. (CONTINUED).

TAXON	Mean Abundance (no. individuals/quadrat)									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
Synalpheus townsendi	0.14	0.63	0.00	0.34	0.09	0.74	0.00	0.00	0.11	0.02
Synalpheus cf. townsendi	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Synalpheus ?tanneri	0.00	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Thor floridanus	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Thor cf. manningi	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
Tozeuma sp.	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tozeuma serratum	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pagurus brevidactylus	0.14	0.00	0.00	0.00	0.03	0.06	0.00	0.00	0.00	0.02
Pagurus stimpsoni	0.03	0.00	0.00	0.06	0.00	0.00	0.00	0.06	0.06	0.02
Pagurus carolinensis	0.06	0.06	0.09	0.06	0.00	0.00	0.00	0.00	0.00	0.00
Phimochirus holthuisi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
Petrolisthes galathinus	0.63	0.17	0.09	0.71	0.40	1.43	0.11	0.11	0.46	0.19
Neopisosoma sp.	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Megalobrachium soriatum	0.23	0.06	0.02	0.09	0.03	0.69	0.06	0.00	0.00	0.00
Paguristes hummi	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paguristes punticeps	0.00	0.06	0.02	0.03	0.00	0.03	0.20	0.14	0.03	0.00
Paguristes tortugae	0.23	0.43	0.02	0.14	0.06	0.29	0.17	0.06	0.06	0.17
Dromidia antillensis	0.00	0.00	0.05	0.06	0.00	0.03	0.00	0.00	0.00	0.00
Hypoconcha sabulosa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
Pella mutico	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macrocoeloma camptocerum	0.09	0.00	0.14	0.06	0.00	0.00	0.00	0.00	0.00	0.00
Macrocoeloma cf. trispinosum	0.03	0.06	0.02	0.00	0.00	0.03	0.00	0.00	0.00	0.05
Metoporhaphis calcarata	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Microphrys antillensis	0.03	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.09	0.00
Mithrax (Mithrax) hispidus	0.00	0.00	0.00	0.14	0.06	0.00	0.00	0.00	0.00	0.02
Mithrax (Mithrax) pleuracanthus	0.11	0.17	0.16	0.11	0.03	0.03	0.26	0.14	0.37	0.02
Mithrax (Mithraculus) forceps	0.00	0.69	0.00	0.06	0.00	0.46	0.34	0.00	0.03	0.00
Pitho lherminieri	0.00	0.00	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.02
Podochela riisei	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.03	0.00	0.00
Stenocionops furcata furcata	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
Stenorhynchus seticornis	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tyche emarginata	0.00	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00
Panopeus cf. occidentalis	0.06	0.00	0.00	0.14	0.03	0.14	0.00	0.00	0.14	0.05
Lobopilumnus agassizi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
Pilumnus dasypodus	0.17	0.06	0.00	0.23	0.11	0.74	0.00	0.00	0.03	0.19
Pilumnus floridanus	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00
Pilumnus sayi	0.11	0.03	0.14	0.23	0.06	0.17	0.29	0.11	0.20	0.10
Pilumnus lacteus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.02
Pilumnus sp. A	0.03	0.03	0.00	0.14	0.03	0.00	0.00	0.00	0.00	0.00
Pseudomedaeus agassizi	0.00	0.03	0.00	0.00	0.00	0.11	0.00	0.03	0.00	0.00
Euryplax nitida	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.03	0.00

TABLE H.2. (CONTINUED).

TAXON	Mean Abundance (no. individuals/quadrat)									
	Cruise II Stations					Cruise III Stations				
	44	45	47	51	52	44	45	47	51	52
Dissodactylus sp. A	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pinnixa sp. A	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Gonodactylus bredini	0.00	0.06	0.02	0.09	0.03	0.00	0.09	0.00	0.06	0.02
ECHINODERMATA--Asteroidea										
Luidia sp.	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
Luidia alternata	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.02
Oreaster reticulatus	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Echinaster sp.	0.00	0.00	0.00	0.00	0.00	0.03	0.06	0.03	0.00	0.02
Echinaster spinulosus	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
ECHINODERMATA--Ophiuroidea										
Gorgonocephalidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
Astrophyton muricatum	0.00	0.00	0.39	0.00	0.00	0.00	0.03	1.43	0.00	0.00
Ophionereis reticulata	0.00	0.06	0.00	0.03	0.09	0.06	0.00	0.00	0.06	0.12
Ophioderma brevispinum	0.00	0.00	0.00	0.09	0.06	0.00	0.03	0.00	0.03	0.02
Ophioderma cinereum	0.00	0.06	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00
Ophioderma sp. 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
Ophiactis muelleri	0.57	0.60	0.07	0.03	0.09	0.49	0.06	0.03	0.03	0.14
Ophiostigma isocantha	0.11	0.14	0.02	0.14	0.14	0.09	0.06	0.00	0.14	0.02
Ophiothrix angulata	1.94	0.49	0.14	0.49	0.77	1.40	0.74	0.06	0.46	0.71
Ophiothrix suensonii	1.31	1.57	0.02	0.00	0.03	0.03	3.77	0.03	0.00	0.00
ECHINODERMATA--Echinoidea										
Arbacia punctulata	0.03	0.09	0.00	0.00	0.06	0.46	0.17	0.00	0.03	0.00
Lytechinus variegatus carolinus	0.00	0.00	0.00	0.03	0.00	0.11	0.03	0.00	0.00	0.00
Clypeaster subdepressus	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ECHINODERMATA--Holothuroidea										
Ocnus pygmaeus	0.03	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
Holothuria (Cystipus) cubana	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
Isostichopus badionotus	0.03	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00
TOTAL NUMBER OF QUADRATS HARVESTED (n)	37	35	44	35	37	35	35	35	35	42

APPENDIX I

INFAUNAL DATA

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INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 40

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
RHYNCOCOELA								
Rhynchocoela	1	2	1	0	1	4	0	3
ASCHELMINTHES								
Nematoda	0	0	1	0	0	2	0	0
ANNELIDA								
Sthenelais sp. A	0	0	0	1	1	0	0	2
Paramphinome sp. B	0	0	0	0	0	0	1	0
Phyllodoce arenae	0	1	0	0	0	0	0	0
Gyptis brevipalpa	1	0	0	0	0	0	0	1
Sigambra tentaculata	0	4	2	5	4	9	0	1
Sphaerosyllis taylori	1	2	0	0	0	0	0	0
Nereis grayi	0	0	0	0	1	0	0	0
Aglaophamus verrilli	1	2	2	2	5	1	2	3
Diopatra cuprea	0	0	0	0	0	0	1	0
Lumbrineris ernesti	1	0	2	0	0	1	0	0
Lumbrineris verrilli	0	0	0	0	1	1	0	0
Haploscoloplos foliosus	0	1	0	0	0	0	0	0
Aricidea fragilis	0	2	0	0	1	0	1	0
Aricidea taylori	2	0	2	2	3	2	3	2
Prionospio cirrifera	1	0	0	0	4	0	0	0
Paraprionospio pinnata	72	45	64	84	69	68	120	60
Magelona cf. *cornuta*	0	0	0	0	1	0	0	0
Magelona pettiboneae	0	4	0	1	2	1	1	1
Tharyx annulosus	0	1	0	0	0	1	1	1
Notomastus hemipodus	2	0	1	0	0	0	0	3
Notomastus americanus	0	0	0	0	0	0	1	0
Mediomastus californiensis	5	36	17	34	23	21	53	54
Myriochele oculata	1	1	1	2	1	0	0	0
Amphicteis scaphobranchiata	0	0	0	1	0	0	0	0
Megalomma bioculatum	1	0	0	0	0	0	0	0
Fabricia sp.	0	1	0	0	0	0	2	1
Oligochaeta	1	0	0	0	0	0	0	0
MOLLUSCA								
Strombiformis sp.	0	2	0	0	0	0	0	0
Strombiformis hemphilli	0	0	0	1	0	0	0	0
Strombus alatus	0	0	0	0	0	0	1	0
Anachis sp.	0	0	0	1	0	0	0	0
Anachis pulchella	0	0	0	1	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: 11
STATION: 40 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
MOLLUSCA (Continued)								
Olivella sp.	0	0	1	0	0	0	0	0
Turbonilla conradi	0	0	0	0	1	0	0	0
Volvulella persimilis	0	0	0	0	1	0	0	0
Atys caribaea	0	0	0	0	0	0	2	0
Cresels acicula	0	0	0	1	0	0	0	0
Bivalvia	0	1	0	0	0	0	0	0
Solemya sp.	0	0	0	0	1	1	0	0
Lima sp.	0	1	0	0	0	0	0	1
Dosinia discus	0	0	0	0	1	0	0	0
Macoma sp.	0	3	0	0	0	0	0	0
Tellina versicolor	0	0	0	0	0	0	0	1
Veneridae	0	1	0	2	1	0	2	0
Cooperella atlantica	0	0	1	0	0	0	0	0
Varicorbula operculata	0	1	1	0	0	0	0	0
Arcinella cornuta	1	0	0	0	0	0	0	0
Chama sp.	0	0	0	0	0	0	1	0
ARTHROPODA								
Ostracoda-Myodocopa	5	3	2	3	5	1	2	2
Mysidopsis furca	0	0	0	1	0	0	0	0
Bowmaniella portoricensis	2	0	1	0	0	0	0	0
Anchialina typica	0	0	0	0	1	0	0	0
Oxyurostylis sp. A	0	0	0	0	2	0	0	0
Cyclaspis cf. unicornis	0	1	0	0	0	0	0	1
Cyclaspis sp. A	3	3	4	4	6	0	2	5
Cyclaspis sp. B	0	0	1	0	1	0	0	0
Ampelisca sp. B	0	0	1	0	1	0	1	1
Lembos sp.	0	0	0	0	0	1	0	0
Lembos sp. A	1	0	0	0	0	0	0	0
Acuminodeutopus naglei	0	2	1	3	0	3	0	2
Photis sp.	1	0	0	1	0	0	0	0
Listriella barnardi	1	0	3	0	3	0	0	2
Listriella sp. A	0	0	1	0	0	0	0	0
Luconacia incerta	0	0	0	1	0	0	0	0
Trachypenaeus constrictus	0	0	0	0	1	0	0	0
Automate cf. evermanni	0	1	0	0	1	0	0	2
Processa hemphilli	0	0	0	1	0	0	0	0
Paguristes nr. lymani	0	0	0	1	0	0	0	0
Pinnixa sp. A	0	0	0	0	0	1	0	0

INFAUNAL ABUNDANCE

CRUISE: 11
STATION: 40 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
SIPUNCULA								
Sipuncula	0	0	1	0	1	1	1	1
BRACHIOPODA								
Glottidia pyramidata	0	0	1	0	0	0	0	0
ECHINODERMATA								
Amphiopius coniortodes	0	0	0	0	0	0	1	0
Ophionema intricata	2	0	0	0	0	0	0	0

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 41

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
PLATYHELMINTHES								
Stylochus sp.	0	0	0	0	1	0	0	0
Turbellaria-Polycladida	0	0	0	0	0	0	1	0
RHYNCOCOELA								
Rhynchocoela	4	4	6	0	1	1	4	3
ASCHELMINTHES								
Nematoda	305	185	333	148	169	142	459	116
ANNELIDA								
Pseudohalosydna sp. A	0	0	0	0	1	0	0	0
Pholoe minuta	0	0	0	0	0	1	0	0
Sthenelais boa	1	0	0	1	0	0	0	0
Chloeia viridis	0	0	1	0	0	0	0	0
Hesionura elongata	3	0	0	0	0	0	0	0
Gyptis brevipalpa	1	0	0	0	0	0	0	0
Podarke obscura	2	1	0	0	0	0	1	0
Heteropodarke cf. *hetermorpha*	0	1	0	1	0	0	0	0
Heteropodarke sp. A	0	0	3	1	0	0	1	3
Ancistrosyllis hartmanae	1	4	1	1	1	1	3	1
Sigambra tentaculata	0	0	0	0	3	1	0	0
Synelmis albini	0	0	1	0	0	0	0	0
Pionosyllis gesae	2	1	0	0	0	1	0	0
Exogone lourei	0	0	2	0	0	0	0	1
Sphaerosyllis glandulata	0	0	1	0	0	0	0	0
Brania n. sp.	1	0	0	0	0	0	0	0
Ehlersia cornuta	1	0	0	0	0	0	0	0
Syllides fulvus	0	2	0	0	0	0	0	0
Streptosyllis pettiboneae	1	1	1	1	0	0	1	0
Paraplonosyllis longicirrata	8	5	7	8	4	2	3	4
Plakosyllis quadrioculata	0	0	0	1	0	0	2	0
Nereidae	1	0	1	0	0	0	0	0
Ceratocephale oculata	1	0	0	1	0	0	1	0
Nephtys simoni	1	1	0	1	0	1	0	1
Micronephtys minuta	0	0	0	1	0	0	0	0
Glycera oxycephala	0	1	0	0	2	0	1	2
Goniadides carolinae	19	35	17	26	12	14	20	28
Lumbrineris latreilli	1	0	0	0	0	0	0	0
Protodorvillea kefersteini	10	13	6	4	6	6	25	2

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 41 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Aricidea catherinae	1	1	0	1	0	0	2	0
Aricidea cerrutii	0	0	0	1	1	0	0	0
Aricidea taylori	1	0	0	0	0	0	0	0
Cirrophorus americanus	1	10	0	1	3	0	4	5
Spionidae	0	0	0	1	0	0	1	0
Prionospio cristata	1	0	1	0	0	0	0	0
Scoletepis squamata	0	0	0	0	0	0	0	1
Magelona sp. A	0	3	0	2	2	2	2	2
Caulleriella alata	0	0	0	0	1	0	1	0
Therochaeta sp. A	0	0	0	0	1	0	0	0
Armandia maculata	0	0	0	1	1	0	1	1
Mediomastus californiensis	0	2	0	2	2	1	1	2
Axiothella sp. A	0	0	0	0	0	0	1	0
Myriochele oculata	0	1	0	1	2	0	1	1
Ampharete sp. A	0	1	0	0	0	0	0	0
Fabricia sp.	0	0	1	0	0	0	0	0
Oligochaeta	16	23	8	3	9	3	6	17
MOLLUSCA								
Gastropoda	0	0	1	0	0	0	0	0
Arene tricarinata	0	0	0	0	0	0	1	0
Caecum sp.	0	0	1	0	0	0	0	0
Caecum imbricatum	0	1	0	0	0	0	0	0
Epitonium foliaceisostum	0	0	0	0	1	0	0	0
Strombiformis hemphilli	0	0	1	0	0	1	4	0
Natica pusilla	0	0	0	0	1	0	0	0
Odostomia sp.	0	0	0	0	3	0	1	0
Acteocina canaliculata	0	1	0	0	0	0	0	0
Cresels acicula	0	0	0	0	0	1	1	0
Bivalvia	0	1	0	1	2	0	0	0
Crassostrea sp.	0	0	0	1	0	1	0	1
Diplodonta punctata	1	1	2	1	0	0	1	0
Laevicardium sp.	0	0	0	0	4	0	0	3
Tellina listeri	0	0	0	0	0	0	1	0
Tellina similis	0	0	1	0	0	0	0	0
Semele nuculoides	1	0	0	1	0	0	0	0
Veneridae	1	0	0	0	0	0	0	0
Pitar fulminatus	1	0	0	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 41 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ARTHROPODA								
Ostracoda-Myodocopa	7	6	14	9	4	5	7	2
Protocytheretta pumicosa	0	1	0	0	1	0	0	0
Puriana rugipunctata	0	0	1	0	0	0	0	0
Mysidopsis furca	0	0	0	0	0	0	0	1
Bowmaniella portoricensis	0	0	0	0	2	0	0	0
Oxyurostylis sp. A	1	0	0	0	0	0	0	0
Cyclaspis cf. unicornis	0	1	1	0	2	1	2	0
Cyclaspis sp. A	10	12	6	8	1	5	12	8
Cyclaspis sp. B	0	0	2	0	0	0	0	0
Cyclaspis sp. D	2	1	0	2	0	0	1	0
Leptochelia sp. A	0	1	0	0	2	0	0	8
Kalliapseudes sp. A	1	1	1	0	0	0	0	0
Eurydice piperata	0	0	1	0	0	0	0	0
Serolis mgrayi	1	0	1	0	0	1	1	0
Munna sp.	0	0	1	0	0	0	0	0
Ampelisca sp. B	0	1	2	0	4	0	0	0
Lembos sp.	0	0	0	0	1	1	0	0
Acuminodeutopus nagiei	1	0	1	0	4	0	0	5
Argissa cf. hamatipes	2	0	0	0	0	0	0	0
Ericthonius brasiliensis	0	0	0	0	0	0	0	1
Synchelidium americanum	0	0	0	0	1	0	0	1
Eudevenopus honduranus	0	0	0	0	0	1	0	0
Garosyrrhoe sp. A	0	1	0	0	1	0	0	0
Tiron tropakis	2	1	0	0	3	1	3	1
Processa hemphilli	1	0	0	0	0	0	0	0
Paguridae	0	0	0	0	0	0	0	1
SIPUNCULA								
Sipuncula	0	0	0	0	0	0	0	1
Phascolion sp.	0	2	1	1	0	2	0	2
Paraspidosiphon sp.	0	2	4	2	1	1	2	2
PRIAPULIDA								
Tubiluchus corallicola	0	3	0	0	3	0	1	0
PHORONIDA								
Phoronis architecta	0	0	0	0	1	0	0	0
ECHINODERMATA								
Ophioderma sp.	0	0	0	1	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 41 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ECHINODERMATA (Continued)								
Ophiactis sp.	0	0	1	0	0	0	0	0
CHORDATA--Cephalochordata								
Branchiostoma caribaeum	3	1	3	5	3	0	4	1

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 42

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
RHYNCOCOELA								
Rhynchocoela	2	1	3	1	5	0	7	0
ASCHELMINTHES								
Nematoda	721	213	162	61	102	87	228	219
ANNELIDA								
Paramphinome sp. B	1	0	0	0	0	0	0	0
Phyllodoce arenae	0	0	0	0	0	0	0	1
Hesionura elongata	19	0	5	0	6	0	1	15
Gyptis brevipalpa	0	0	1	0	0	0	0	0
Heteropodarke sp. A	0	2	3	0	7	1	3	3
Sigambra tentaculata	2	1	2	0	4	1	1	0
Syneimis albini	6	8	8	0	6	2	4	2
Pionosyllis gesae	3	0	0	1	1	0	1	2
Exogone dispar	1	2	0	0	0	0	0	0
Sphaerosyllis taylori	0	0	0	0	0	0	1	3
Syllides fulvus	0	0	0	0	1	0	1	0
Streptosyllis pettiboneae	0	0	0	0	0	0	0	1
Parapionosyllis longicirrata	3	1	1	0	2	1	1	3
Nereidae	1	1	0	0	0	0	0	1
Ceratonereis mirabilis	1	0	0	0	1	0	0	1
Rullierinereis sp.	0	0	0	0	1	0	0	0
Nephtys picta	0	0	0	0	0	0	1	0
Nephtys simoni	0	1	0	0	0	0	0	0
Glycera oxycephala	0	0	0	0	1	0	0	0
Goniadides carolinae	1	1	0	0	0	0	3	1
Lumbrineris latreilli	0	0	1	0	0	0	1	0
Lumbrineris verrilli	1	0	0	0	0	0	0	0
Lumbrineris sp. D	0	0	0	0	0	0	0	1
Protodorvillea kefersteini	5	6	6	1	3	1	7	8
Pettiboneia sp. A	11	14	5	0	9	0	2	3
Scoloplos rubra	0	0	0	0	0	1	0	0
Aricidea catherinae	1	4	0	0	0	0	0	1
Aricidea cf. cerrutii	0	0	0	0	1	0	0	1
Aricidea sp. A	2	0	0	0	1	0	0	0
Aricidea sp. C	1	0	0	0	1	0	1	0
Paraonis fulgens	0	0	0	0	0	0	2	1
Paraonis pygoenigmata	1	0	0	0	3	0	0	0
Cirrophorus americanus	6	2	6	2	5	2	5	3

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 42 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Cirrophorus cf. forticirrata	0	0	0	0	0	0	2	0
Polydora sp. A	0	0	1	0	0	0	0	0
Prionospio cristata	1	3	6	1	3	0	2	5
Paraprionospio pinnata	1	0	4	1	3	5	4	3
Dispio uncinata	0	0	0	0	0	1	0	0
Magelona cf. cincta	0	1	0	0	0	1	1	3
Magelona pettiboneae	4	1	3	0	2	0	7	0
Magelona riojai	0	1	0	1	0	1	0	0
Chaetozone sp.	0	0	0	0	2	0	0	0
Therochaeta sp. A	0	0	0	0	1	0	0	0
Armandia maculata	3	1	1	1	2	2	5	0
?Notomastus sp.	0	0	1	0	0	0	0	0
Mediomastus californiensis	0	0	1	0	0	0	0	0
Owenia fusiformis	0	1	0	0	0	0	0	0
Myriochele oculata	0	0	0	0	0	1	0	0
Isolda pulchella	0	0	0	0	0	0	0	1
Fabricia sp.	4	6	2	1	2	1	1	1
Crucigera sp.	0	0	0	0	0	1	0	0
Grubeulepis augeneri	0	0	0	0	0	0	0	1
Oligochaeta	51	14	43	9	4	34	47	48
MOLLUSCA								
Gastropoda	0	1	3	0	0	1	0	1
Schwengelia sp.	0	0	3	0	1	1	5	0
Strombiformis hemphilli	0	0	2	0	0	0	1	0
Olivella floralia	0	0	0	0	2	0	0	1
Turridae	0	0	0	0	1	1	0	0
Mangelia bandella	0	0	0	0	1	0	0	0
Kurtziella sp.	0	0	0	0	0	1	0	0
Atys caribaea	0	0	0	0	0	0	1	0
Creseis acicula	0	0	0	3	1	2	0	0
Plicatula gibbosa	0	0	1	0	0	0	0	0
Crassostrea sp.	0	1	0	0	0	3	0	0
Diplodonta punctata	0	0	0	2	4	0	1	0
Laevicardium sp.	0	0	1	1	0	0	1	0
Tellina listeri	1	0	0	1	0	0	0	0
Tellina aequistriata	0	0	1	0	0	0	0	0
Tellina similis	0	1	0	1	2	0	1	0
Semele nuculoides	1	0	2	1	0	1	0	1
Dentalium laqueatum	0	0	0	0	0	1	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 42 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ARTHROPODA								
Ostracoda-Myodocopa	1	1	3	4	4	1	0	0
Actinocythereis subquadrata	0	1	0	0	0	0	0	0
Bowmaniella portoricensis	0	1	0	1	0	0	0	0
Oxyurostylis sp. A	1	0	0	0	1	3	0	1
Campylaspis sp. E	2	0	0	0	0	1	2	0
Cumella sp. A	0	0	0	0	1	0	0	0
Nannastacidae sp. A	0	0	0	0	0	1	0	0
Cyclaspis cf. unicornis	0	2	0	2	3	3	4	1
Cyclaspis sp. A	0	3	11	5	14	6	14	5
Cyclaspis sp. B	11	3	0	0	0	0	0	0
Cyclaspis sp. D	1	0	1	2	5	0	3	3
Leptochelia sp. A	3	0	0	1	0	1	1	0
Kalliapseudes sp. A	1	0	0	0	0	2	0	1
Serolis mgrayi	0	0	0	2	1	0	0	1
Edotea montosa	0	0	0	0	0	1	0	0
Amphipoda sp. A	1	0	0	0	0	0	0	0
Ampelisca n. sp. (nr. cristoides)	0	0	0	1	0	0	0	0
Ampelisca sp. B	1	1	2	2	4	0	1	0
Ampelisca sp. C	0	1	2	1	0	0	0	0
Acuminodeutopus naglei	1	0	1	1	0	1	2	0
Argissa cf. hamatipes	2	0	0	1	4	1	1	0
Cerapus cf. tubularis	0	0	0	0	0	0	1	0
Ericthonius brasiliensis	0	0	3	0	0	0	0	0
Photis sp. A	0	0	1	1	1	3	1	0
Synchelidium americanum	0	0	1	0	0	0	0	0
Eudevenopus honduranus	1	1	2	2	1	1	3	0
Metharpinia floridana	0	1	1	0	1	1	0	0
Podoceros sp. A	0	0	2	0	0	0	0	0
Garosyrrhoe sp. A	0	0	0	0	1	0	0	0
Elasmopus cf. rapax	0	0	2	0	0	0	0	0
Tiron tropakis	0	0	1	1	4	1	1	0
Corophiodea sp. A	0	0	2	0	0	1	3	0
Leptochela serratorbita	0	0	0	0	0	0	0	1
Paguridae	0	0	0	0	1	0	0	0
SIPUNCULA								
Sipuncula	3	1	0	0	1	0	0	0
Phascolion sp.	0	0	2	1	2	0	0	2
Paraspidosiphon sp.	0	0	0	1	0	0	0	1

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 42 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ECTOPROCTA								
Selenaria sp.	1	1	1	0	0	2	0	1
ECHINODERMATA								
Ophiostigma isocantha	1	0	1	0	0	0	2	0
CHORDATA--Cephalochordata								
Branchiostoma caribaeum	3	2	2	3	3	2	1	1

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 43

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
PORIFERA								
Porifera	0	1	0	0	0	0	0	0
CNIDARIA								
Hydrozoa	0	1	0	0	0	0	0	0
RHYNCOCOELA								
Rhynchocoela	1	1	0	0	0	0	0	0
ASCHELMINTHES								
Nematoda	61	37	35	202	34	159	125	77
ANNELIDA								
Polynoidae genus C	0	0	0	0	0	0	0	1
Sthenelais boa	0	0	0	0	0	0	0	1
Phyllodoce arenae	0	1	0	1	0	1	0	0
Hesionura elongata	4	3	1	1	0	2	0	1
Gyptis brevipalpa	1	0	0	1	0	1	2	0
Heteropodarke sp. A	0	0	1	0	1	0	0	3
Ancistrosyllis hartmanae	2	0	0	0	1	0	0	0
Sigambra tentaculata	0	0	0	0	2	0	1	0
Synelmis albini	0	0	3	5	0	12	2	1
Pionosyllis gesae	0	1	0	0	0	1	3	0
Exogone arenosa	0	0	0	0	1	1	0	0
Exogone atlantica	0	0	0	1	0	0	0	0
Sphaerosyllis taylori	0	0	1	0	0	1	1	0
Paraplonosyllis longicirrata	0	0	0	1	0	0	0	0
Nereis riisei	1	0	0	0	0	2	0	0
Nephtys simoni	0	0	0	0	2	2	1	0
Glycera oxycephala	1	1	0	0	0	0	0	0
Goniadides carolinae	1	0	1	0	0	0	0	0
Diopatra cuprea	0	1	0	0	0	0	0	0
Mooreonuphis pallidula	0	1	0	0	1	1	0	0
Lysidice ninetta	1	0	0	0	0	0	0	0
Dorvillea sociabilis	0	0	1	0	0	0	0	0
Protodorvillea kefersteini	1	2	0	1	0	2	1	7
Meiodorvillea perplexa	0	0	0	0	0	1	0	0
Aricidea catherinae	0	0	0	1	0	1	0	1
Aricidea fragilis	0	1	0	1	0	0	0	0
Aricidea taylori	0	0	0	2	0	0	0	0
Cirrophorus branchiatus	0	0	0	0	0	1	0	1
Cirrophorus americanus	8	10	2	7	4	17	3	9

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 43 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Prionospio cristata	1	2	0	0	0	1	0	0
Paraprionospio pinnata	5	6	4	3	6	5	2	5
Streblospio benedicti	0	0	0	0	0	0	0	1
Magelona sp. A	0	1	0	0	0	2	0	0
Magelona riojai	0	0	0	0	1	1	0	0
Spiochaetopterus oculatus	0	0	0	1	0	0	0	0
Mesochaetopterus taylori	0	0	1	0	0	0	0	0
Caulleriella alata	0	0	0	0	0	0	0	1
Tharyx annulosus	0	1	0	0	0	2	0	0
Chaetozone sp.	0	0	0	0	0	1	0	0
Armandia maculata	0	0	0	2	1	2	1	0
Mediomastus californiensis	2	2	3	2	1	4	0	1
Axiothella sp. A	2	1	1	0	2	5	1	0
Owenia fusiformis	0	0	0	0	1	0	0	0
Myriochele oculata	3	0	1	0	0	1	0	1
Pista cristata	2	0	0	1	0	0	0	0
Polycirrus plumosus	0	0	2	0	0	0	0	0
Loimia medusa	0	0	1	0	0	0	0	0
Fabricia sp.	1	0	0	0	0	1	0	1
Oligochaeta	1	1	1	1	3	11	5	11
MOLLUSCA								
Gastropoda	0	0	1	0	0	2	0	0
Caecum imbricatum	0	0	0	0	0	0	2	0
Diastoma varium	0	0	0	0	3	1	0	1
Schwengelia sp.	0	1	0	0	0	0	0	0
Melanellidae	0	0	0	0	1	0	0	1
Strombiformis hemphilli	3	0	6	0	1	5	8	5
Naticidae	0	0	0	1	0	0	0	0
Zebina browniana	0	0	1	0	0	0	0	0
Olivella floralia	0	0	2	1	0	0	1	2
Oliva sayana	1	0	0	0	0	0	0	0
Turridae	1	0	0	0	1	0	0	0
Cryoturris quadrilineata	0	1	0	0	0	0	0	0
Terebra sp.	1	0	0	0	0	0	0	0
Turbonilla sp.	0	0	0	1	1	1	0	0
Acteon punctostriatus	0	0	0	0	0	1	0	0
Lucinidae	0	0	0	0	0	0	1	0
Lucina nassula	0	0	0	0	0	1	0	0
Dosinia discus	0	0	0	1	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 43 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
MOLLUSCA (Continued)								
Diplodonta punctata	8	5	3	2	3	3	3	3
Crassinella lunulata	0	0	1	0	0	1	0	0
Laevicardium sp.	0	0	0	0	0	0	1	0
Tellina listeri	2	3	0	2	1	2	3	2
Tellina versicolor	0	0	0	1	0	0	0	0
Tellina texana	0	0	1	0	0	0	0	0
Semele nuculoides	1	2	1	1	0	2	0	4
Dentalium sp.	0	1	0	0	0	0	0	2
Dentalium laqueatum	0	0	0	0	1	0	0	0
ARTHROPODA								
Ostracoda-Myodocopa	5	4	3	6	3	5	4	0
Bowmaniella portoricensis	0	0	1	0	1	2	1	1
Campylaspis sp. E	0	0	0	0	0	0	1	1
Cyclaspis bacescui	0	0	0	0	0	0	0	1
Cyclaspis sp. A	4	3	3	2	4	2	6	8
Cyclaspis sp. B	0	1	0	0	0	0	0	0
Cyclaspis sp. D	0	0	0	0	0	1	0	3
Leptochelia sp. A	7	0	1	1	5	3	3	3
Kalliapseudes sp. A	0	1	0	0	0	0	1	0
Eurydice piperata	1	0	0	0	0	0	0	0
Munna sp.	0	1	0	0	0	0	0	0
Ampelisca n. sp. (nr. cristoides)	0	0	0	0	1	2	0	1
Ampelisca sp. B	2	0	0	0	0	0	1	0
Ampelisca sp. C	0	1	2	2	2	2	4	3
Ampelisca sp. F	0	0	0	0	1	0	0	0
Lembos sp. A	0	0	0	1	0	0	0	0
Acuminodeutopus naglei	0	0	0	1	6	2	0	0
Argissa cf. hamatipes	1	0	0	0	1	0	0	0
Ericthonius brasiliensis	1	0	0	0	0	0	0	0
Jerbarnia sp.	0	1	1	0	0	0	0	0
Listriella barnardi	1	0	0	0	0	0	0	0
Eudevenopus honduranus	1	0	1	1	0	0	0	0
Metharpinia floridana	0	0	3	1	0	1	1	1
Garosyrrhoe sp. A	1	0	1	0	1	0	0	0
Elasmopus cf. rapax	0	0	0	0	1	0	0	0
Tiron tropakis	3	0	0	1	1	1	0	0
Leptochela serratorbita	1	2	1	1	1	1	0	0
Paguristes tortugae	0	0	0	2	0	0	0	0
Persephona sp.	0	0	0	0	0	1	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 43 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
SIPUNCULA								
Sipuncula	2	1	0	0	0	2	0	0
Phascolion sp.	0	0	0	0	1	0	0	0
Paraspidosiphon sp.	1	3	2	1	2	2	2	0
PRIAPULIDA								
Tubiluchus corallicola	0	0	0	0	0	4	0	0
ECTOPROCTA								
Ectoprocta	0	0	2	0	0	1	0	0
Selenaria sp.	2	0	1	0	1	2	2	2
BRACHIOPODA								
Glottidia pyramidata	1	0	0	0	0	0	0	0
ECHINODERMATA								
Ophiolepis elegans	0	0	0	0	0	0	0	1
Ophioderma sp.	1	1	1	0	0	0	0	0
Amphiura fibulata	0	0	0	0	0	0	0	1
CHORDATA--Cephalochordata								
Branchiostoma caribaeum	0	0	3	0	0	1	0	2

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 46

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
CNIDARIA								
Anthozoa-Octocorallia	0	0	0	0	0	0	0	1
RHYNCOCOELA								
Rhynchocoela	1	3	3	8	11	7	7	6
ASCHELMINTHES								
Nematoda	95	226	98	68	65	202	176	77
ANNELIDA								
Sigalionidae	0	0	0	0	1	0	1	0
Pholoe minuta	0	0	0	2	1	0	0	0
Paleanotus sp. A	0	0	0	0	0	0	1	0
Chloeia viridis	0	0	0	0	1	0	0	0
Hesionura elongata	1	4	1	12	1	2	4	4
Gyptis brevipalpa	3	1	0	1	0	0	0	1
Heteropodarke cf. hetermorpha	0	2	1	0	2	0	0	1
Ancistrosyllis hamata	0	1	0	0	0	0	0	0
Ancistrosyllis hartmanae	2	0	0	0	0	0	2	0
Sigambra tentaculata	0	0	0	0	2	0	0	2
Sigambra bassi	0	0	0	0	0	0	0	1
Synelmis albini	2	0	2	5	6	4	0	4
Pionosyllis gesae	0	4	1	4	1	7	2	5
Exogone dispar	1	0	0	0	1	1	3	0
Sphaerosyllis sp.	0	0	1	1	0	3	0	1
Sphaerosyllis taylori	1	1	0	1	0	0	0	0
Brania gallagheri	1	2	0	0	0	1	0	0
Ceratocephale oculata	1	1	0	0	0	0	0	0
Nephtys simoni	0	2	0	0	0	0	1	1
Micronephtys minuta	0	0	0	0	1	0	1	1
Goniadides carolinae	4	1	1	3	1	1	1	2
Onuphidae	0	0	0	1	1	0	0	0
Diopatra cuprea	0	0	0	1	0	0	0	0
Lumbrineris tetraura	0	0	0	0	0	1	0	0
Lumbrineris verrilli	0	0	0	1	0	0	0	0
Lumbrineris sp. D	0	2	0	0	1	0	0	0
Protodorvillea kefersteini	5	9	2	0	3	10	0	12
Schistomeringos rudolphi	0	0	0	0	0	1	0	0
Pettiboneia sp. A	0	0	1	0	0	2	0	0
Aricidea wassi	3	1	1	0	1	3	1	0

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 46 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Aricidea catherinae	0	4	3	3	0	1	2	2
Aricidea cerrutii	2	0	0	0	1	0	0	0
Aricidea philbinae	2	1	1	0	1	0	2	3
Aricidea taylori	0	1	2	3	2	0	2	1
Cirrophorus americanus	6	8	6	7	6	6	6	8
Levinsenia reducta	0	0	0	1	0	0	1	1
Laonice cirrata	0	2	0	0	0	0	0	0
Prionospio cristata	5	11	3	4	2	4	6	1
Scolecolepides viridis	1	0	1	1	1	0	0	0
Paraprionospio pinnata	1	1	1	0	2	0	0	0
Dispio uncinata	1	0	0	0	0	0	0	0
Scolelepis squamata	0	1	0	0	1	0	0	0
Apoprionospio dayi	0	0	1	0	1	0	0	1
Magelona sp. A	0	2	0	2	0	0	2	0
Magelona riojai	1	2	0	0	0	0	2	1
Poecilochaetus johnsoni	1	0	0	0	0	0	0	0
Caulleriella alata	0	0	0	0	0	1	0	0
Chaetozone sp.	0	0	0	1	0	1	1	0
Therochaeta sp. A	0	0	0	0	0	0	1	1
Armandia maculata	3	4	2	1	1	1	0	2
?Notomastus sp.	0	0	0	0	1	0	1	0
Notomastus hemipodus	0	0	0	0	0	1	0	0
Mediomastus californiensis	1	0	0	2	1	0	3	1
Axiothella sp. A	2	19	5	2	17	6	2	11
Owenia fusiformis	0	0	0	0	1	1	0	0
Myriochele oculata	5	11	11	17	19	10	5	9
Amphicteis scaphobranchiata	1	0	0	0	0	0	0	0
Isolda pulchella	2	0	0	0	0	0	0	0
Pista sp.	0	0	0	0	0	0	1	0
Polycirrus sp.	1	2	0	0	0	0	0	1
Amaeana trilobata	0	0	0	0	1	0	0	0
Terebellides stroemi	0	0	0	0	0	0	1	0
Sabellidae	0	0	0	0	0	0	0	2
Fabricia sp.	2	6	0	1	3	4	1	3
Serpulidae	0	1	0	0	0	0	0	0
Oligochaeta	54	84	31	60	58	50	65	62
MOLLUSCA								
Caecum nitidum	0	0	0	0	0	0	0	1
Caecum imbricatum	1	0	0	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 46 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
MOLLUSCA (Continued)								
Diastoma varium	0	0	1	2	0	1	0	0
Schwengelia sp.	0	0	1	0	0	1	0	0
Melanellidae	1	0	0	0	0	0	0	0
Strombiformis hemphilli	0	0	1	2	0	0	0	0
Crepidula sp.	0	0	0	0	0	3	0	0
Naticidae	0	0	1	0	0	0	0	0
Turbonilla sp.	0	0	0	1	0	0	0	0
Acteon punctostriatus	0	0	1	0	0	0	0	0
Acteocina canaliculata	0	0	1	0	0	0	0	0
Bivalvia	0	1	1	1	0	1	0	0
Diplodonta punctata	0	0	1	0	1	0	1	1
Eucrassatella speciosa	1	0	0	0	0	0	0	0
Crassinella lunulata	0	3	2	2	0	1	0	2
Laevicardium sp.	0	0	0	1	2	0	0	2
Tellina listeri	0	0	0	0	0	0	0	1
Tellina versicolor	0	0	0	0	0	0	1	0
Tellina aequistriata	1	0	0	0	0	0	0	0
Semele nuculoides	0	1	1	0	2	3	1	1
Lyonsia hyalina floridana	0	1	2	1	1	1	0	0
Periploma sp.	0	1	0	0	0	0	0	0
Dentalium laqueatum	0	0	0	0	0	1	0	0
ARTHROPODA								
Ostracoda-Myodocopa	7	7	5	7	10	5	5	6
Protocytheretta pumicosa	0	0	0	0	0	1	0	0
Pontocythere sulcata	0	0	1	0	0	0	0	0
Paracytheridea tschoppi	0	0	0	0	1	0	0	0
Paranesidea gigacantha	0	0	0	0	0	1	0	0
Proteoconcha sp.	0	0	0	0	1	0	0	0
Puriana rugipunctata	0	0	0	0	0	0	0	1
Mysidopsis furca	0	0	0	0	0	0	0	1
Bowmaniella portoricensis	0	2	1	0	1	0	0	0
Anchialina typica	1	1	0	0	1	0	0	0
Oxyurostylis sp. A	0	1	2	0	0	0	1	0
Campylaspis sp. C	0	1	0	0	1	0	0	0
Campylaspis sp. E	2	0	0	1	0	1	0	0
Cumella sp. A	0	1	3	1	2	4	3	1
Cumella sp. B	0	0	1	0	0	0	2	1
Cyclaspis cf. *unicornis*	2	1	3	0	3	0	2	3
Cyclaspis bacescui	1	0	1	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 46 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Cyclaspis sp. A	2	1	5	0	4	1	4	2
Cyclaspis sp. D	0	1	0	0	1	2	0	0
Leptochelia sp. A	0	1	1	2	4	6	3	0
Kalliapseudes sp. A	0	0	0	0	0	0	1	0
Apseudes propinquus	0	0	0	0	0	0	2	0
Ptilanthura tricarina	1	0	0	0	0	0	0	0
Serolis mgrayi	0	0	1	1	0	0	1	1
Edotea montosa	0	0	0	0	0	1	0	0
Ampelisca sp. B	1	4	3	1	3	0	0	1
Ampelisca sp. C	1	4	0	0	1	0	0	2
Ampelisca sp. F	0	1	0	1	0	0	0	2
Amphilochus sp. A	0	1	0	0	0	0	0	0
Lembos sp. A	1	1	0	0	0	0	0	2
Microdeutopus myersi	0	0	1	4	0	0	0	0
Acuminodeutopus nagiei	0	1	1	0	2	0	0	1
Cerapus cf. tubularis	0	0	1	0	0	0	0	0
Ericthonius brasiliensis	0	1	0	0	0	0	0	0
Jerbarnia sp.	0	0	0	0	0	0	0	1
Photis sp. A	1	0	1	0	3	0	4	0
Lysianassidae sp. A	0	0	0	0	0	0	1	0
Synchelidium americanum	0	0	2	1	0	0	0	1
Eudevenopus honduranus	0	0	1	0	0	0	0	0
Metharpinia floridana	2	0	1	4	1	0	0	0
Melitidae	0	1	0	1	0	0	0	0
Elasmopus cf. rapax	0	0	2	0	0	0	1	0
Netamelita cf. barnardi	0	0	3	0	0	0	0	0
Tiron tropakis	2	0	1	1	0	0	0	0
Corophiodea sp. A	2	0	0	0	1	0	1	0
Phtisica marina	2	0	0	0	1	0	2	0
Luconacia incerta	0	0	0	0	1	0	0	0
Pleocyemata-caridea	0	0	1	0	0	0	0	0
Leptochela serratorbita	0	1	0	0	1	1	0	0
Processa hemphilli	2	0	0	0	0	0	0	0
Callianassa sp. A	1	1	0	1	0	0	0	0
Paguridae	0	0	0	0	1	0	0	0
Albunea sp.	0	1	0	0	0	0	0	0
Pinnotheridae	0	0	0	0	1	0	0	0
SIPUNCULA								
Sipuncula	1	1	0	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 46 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
SIPUNCULA (Continued)								
Phascolion sp.	2	4	3	4	1	4	1	10
Paraspidosiphon sp.	0	0	1	2	0	0	3	0
PRIAPULIDA								
Tubiluchus corallicola	3	7	1	4	0	5	3	5
PHORONIDA								
Phoronis architecta	0	0	0	0	0	1	0	1
ECTOPROCTA								
Ectoprocta	1	1	0	1	0	1	1	1
BRACHIOPODA								
Glottidia pyramidata	1	0	0	0	0	0	1	0
ECHINODERMATA								
Ophiuroidea-Ophiurida	1	0	0	0	0	1	0	0
Amphiuridae	2	0	0	0	6	0	0	0
Amphiopius sp.	0	0	0	0	1	0	0	0
Ophiostigma isocantha	0	0	0	0	1	0	0	0
Ophiostigma isocantha	0	0	0	0	1	0	0	0
Ophionephtys limicola	1	0	0	0	0	0	0	0
CHORDATA--Urochordata								
Ascidiacea	2	0	2	0	0	0	0	1
CHORDATA--Cephalochordata								
Branchiostoma caribaeum	6	1	2	3	1	0	0	1

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 48

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
RHYNCOCOELA								
Rhynchocoela	1	4	3	2	7	7	6	0
ASCHELMINTHES								
Nematoda	0	28	37	22	29	150	57	3
ANNELIDA								
Polynoidae genus C	0	0	0	1	0	0	0	0
Sthenelais boa	2	0	0	0	0	0	0	0
Phyllodoce arenae	0	0	1	0	0	0	0	0
Gyptis brevipalpa	0	0	0	0	0	1	0	0
Synelmis albini	0	0	0	0	1	3	1	0
Exogone dispar	0	0	2	0	0	1	0	1
Ceratocephale oculata	0	6	5	0	2	5	4	5
Nephtys picta	0	0	0	0	0	1	0	0
Glycera dibranchiata	0	0	0	0	0	0	0	1
Onuphidae	0	0	2	0	0	0	0	0
Kimbergonuphis sp.	0	0	0	0	2	1	0	2
Mooreonuphis nebulosus	0	0	0	0	0	1	0	0
Lumbrineris verrilli	2	3	2	0	2	1	5	1
Lumbrineris sp. D	0	1	0	0	0	1	2	1
Aricidea wassi	1	1	5	1	1	4	3	0
Aricidea catherinae	3	1	3	2	2	3	3	3
Aricidea fragilis	0	0	5	0	1	2	1	6
Aricidea philbinae	0	1	3	2	1	2	3	0
Aricidea taylori	0	0	1	1	4	4	3	4
Cirrophorus americanus	3	13	2	6	7	10	4	4
Levinsenia reducta	0	0	0	1	0	0	0	0
Prionospio cirrifera	0	0	0	0	0	0	1	0
Prionospio cristata	0	2	3	2	2	2	5	0
Scolecolepides viridis	0	0	0	0	0	1	0	0
Paraprionospio pinnata	3	6	8	10	6	4	9	7
Scoletepis squamata	0	0	1	0	0	0	0	1
Apoprionospio dayi	0	6	6	9	3	3	11	10
Magelona sp. A	0	0	0	0	1	0	0	0
Magelona pettiboneae	0	0	0	0	0	1	0	0
Magelona riojai	1	1	1	2	0	0	1	0
Caulleriella alata	0	1	0	0	0	0	0	0
Tharyx annulosus	0	4	3	0	1	2	3	1
Chaetozone setosa	0	0	0	0	2	0	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 48 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Armandia maculata	1	1	6	3	1	2	5	0
Armandia agilis	0	0	1	0	0	0	0	0
Notomastus hemipodus	0	0	1	0	0	0	0	0
Mediomastus californiensis	1	2	1	0	0	0	1	1
Dasybranchus lunulatus	0	0	0	1	0	0	0	0
Axiothella sp. A	0	0	3	0	2	2	1	1
Owenia fusiformis	1	0	0	0	0	0	0	0
Myriochele oculata	0	0	1	0	1	1	2	4
Polycirrus sp.	1	0	0	0	0	0	0	0
Chone americana	0	0	0	1	0	0	1	0
Fabricia sp.	1	4	2	1	3	8	4	5
Oligochaeta	0	8	14	11	6	28	27	0
MOLLUSCA								
Gastropoda	0	0	0	0	1	0	0	1
Caecum sp.	0	0	0	1	0	0	0	0
Crepidula sp.	0	0	0	1	0	2	0	0
Zebina browniana	0	0	0	0	0	0	0	1
Anachis sp.	0	0	0	0	0	0	0	1
Mitrella lunata	1	0	1	0	0	0	0	0
Olivella sp.	0	0	0	1	0	0	0	0
Olivella floralia	0	0	0	1	0	0	0	1
Volvulella persimilis	0	0	0	1	0	0	0	0
Atys caribaea	0	1	1	0	0	0	0	0
Bivalvia	0	0	0	0	0	0	0	1
Dosinia discus	0	0	0	0	0	0	0	1
Diplodonta punctata	0	0	0	1	0	0	0	0
Crassinella lunulata	0	0	1	1	0	0	0	0
Laevicardium sp.	0	0	0	2	0	0	0	0
Tellina listeri	0	0	0	0	0	0	0	2
Tellina versicolor	0	0	1	0	0	0	0	0
Pitar fulminatus	1	0	1	0	0	0	0	0
Macrocallista maculata	0	0	0	1	0	0	0	1
Cooperella atlantica	1	0	0	0	0	0	0	0
Dentalium eboreum	0	0	0	1	0	0	0	0
Dentalium laqueatum	0	0	0	0	1	0	0	0
ARTHROPODA								
Ostracoda-Myodocopa	5	2	5	2	11	5	6	6
Bowmaniella portoricensis	1	0	0	1	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 48 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Anchialina typica	1	0	0	0	0	0	0	1
Gastrosaccinae sp.	0	1	0	0	0	0	0	0
Oxyurostylis sp. A	2	0	1	0	0	0	2	0
Campylaspis sp. E	0	1	0	0	1	0	0	0
Cumella sp. B	0	0	1	0	4	0	1	0
Nannastacidae sp. A	1	0	0	0	0	0	0	0
Cyclaspis sp.	0	3	0	0	0	0	0	0
Cyclaspis cf. unicornis	0	0	0	0	4	0	1	1
Cyclaspis bacescui	2	0	0	1	0	0	0	0
Cyclaspis sp. A	1	1	2	2	2	1	2	7
Cyclaspis sp. D	0	1	0	1	0	0	0	0
Leptochelia sp. A	3	0	2	2	1	3	3	3
Apseudidae sp. A	1	0	0	0	0	0	0	0
Serolis mgrayi	0	1	0	0	0	0	0	0
Ampelisca n. sp. (nr. cristoides)	0	0	1	0	0	0	0	1
Ampelisca sp. B	0	1	2	2	0	1	0	1
Ampelisca sp. C	1	0	2	2	2	0	1	0
Ampelisca sp. F	0	0	1	0	0	0	0	0
Ampithoe sp. A	1	0	1	0	0	0	1	0
Aoridae	2	0	0	0	0	0	0	0
Lembos sp. A	1	0	0	0	0	0	0	0
Acuminodeutopus naglei	0	0	0	0	0	0	0	1
Argissa cf. hamatipes	0	0	0	0	0	0	0	1
Carinobatea sp. A	1	0	0	0	0	0	0	0
Ericthonius brasiliensis	1	0	0	0	0	0	1	2
Photis sp. A	2	0	1	0	0	1	2	0
Lysianopsis cf. alba	1	0	0	0	0	0	0	0
Synchelidium americanum	0	1	1	1	0	0	0	0
Eudevenopus honduranus	0	0	0	1	0	3	0	0
Metharpinia floridana	1	0	2	3	2	0	1	2
Podoceros sp. A	1	0	1	1	0	0	0	0
Elasmopus cf. rapax	1	0	0	0	0	0	0	0
Lestrigonus bengalensis	1	0	1	0	0	0	0	0
Luconacia incerta	19	0	2	0	0	0	1	4
Sicyonia parri	0	0	0	0	0	1	0	1
Leptochela serratorbita	0	0	1	0	1	0	0	0
Latreutes fucorum	2	0	0	0	0	0	0	0
Callianassa sp. A	0	0	0	1	0	0	0	0
Callianassa sp. B	0	0	0	0	1	0	0	0
Paguridae	0	0	0	0	0	1	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 48 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Pagurus maclaughlinae	0	1	0	0	0	0	0	0
Pagurus cf. *gymnodactylus*	0	0	1	0	0	0	0	0
Albunea gibbesi	0	0	0	1	0	0	0	0
Pinnixa sp. A	0	0	2	0	0	0	0	0
SIPUNCULA								
Sipuncula	0	1	1	1	0	0	0	0
Phascolion sp.	0	5	1	11	3	0	1	4
Paraspidosiphon sp.	1	0	2	1	2	2	5	7
PHORONIDA								
Phoronis sp.	0	1	0	0	0	0	0	0
ECTOPROCTA								
Ectoprocta	2	0	0	0	0	0	0	0
Selenaria sp.	1	0	1	0	0	0	0	2
BRACHIOPODA								
Glottidia pyramidata	1	4	3	1	0	0	0	1
ECHINODERMATA								
Ophiuroidea-Ophiurida	0	0	0	1	0	0	0	0
Ophionema intricata	0	0	1	1	0	0	0	0
CHORDATA--Urochordata								
Ascidiacea	0	0	1	0	0	0	0	0

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 49

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
CNIDARIA								
Hydrozoa	1	1	1	1	0	1	0	1
RHYNCOCOELA								
Rhynchocoela	3	4	3	4	5	10	6	8
ASCHELMINTHES								
Nematoda	39	98	95	32	32	62	97	68
ANNELIDA								
Sthenelais sp. A	0	0	0	0	0	1	0	0
Phyllodoce longipes	0	0	0	0	0	0	0	1
Eulalia macroceros	0	0	0	0	0	1	0	0
Micropodarke sp.	0	0	0	0	0	1	0	0
Ancistrosyllis jonesi	0	0	0	1	0	1	1	0
Synelmis albini	0	0	0	0	0	0	0	1
Syllidae	2	0	0	0	0	0	0	0
Pionosyllis sp.	0	0	0	0	0	1	0	0
Pionosyllis gesae	0	0	1	0	0	0	0	0
Exogone dispar	3	0	0	2	0	0	0	1
Sphaerosyllis taylori	1	6	1	1	0	1	4	7
Ehlersia ferrugina	0	0	0	0	0	0	1	0
Haplosyllis spongicola	1	0	0	0	0	0	0	0
Odontosyllis enopla	0	0	0	0	0	1	0	0
Streptosyllis pettiboneae	0	3	0	0	0	0	0	2
Nereis riisei	2	2	0	14	0	7	3	1
Aglaophamus verrilli	0	1	0	1	0	0	0	0
Glycera capitata	0	0	1	0	1	0	0	0
Glycera dibranchiata	1	0	0	0	0	1	1	0
Goniadides carolinae	1	0	0	1	0	1	0	0
Lysidice ninetta	1	0	0	0	0	0	0	0
Lumbrineris latreilli	0	0	0	0	0	1	0	0
Dorvillea jumarsi	0	1	0	0	0	0	0	1
Protodorvillea kefersteini	0	0	1	0	0	0	0	0
Pettiboneia sp. A	0	0	2	0	0	1	1	0
Aricidea catherinae	0	0	0	0	0	1	0	0
Aricidea fragilis	0	0	0	0	0	1	1	0
Aricidea philbinae	1	1	0	0	0	0	0	0
Aricidea taylori	0	0	1	0	0	0	0	0
Cirrophorus americanus	2	2	0	0	4	0	0	4

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 49 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Prionospio cristata	2	5	1	4	1	3	2	5
Paraprionospio pinnata	0	1	0	0	0	0	2	1
Dispio uncinata	0	0	1	0	0	0	0	0
Magelona cf. cincta	0	0	0	0	0	0	0	1
Spiochaetopterus oculatus	0	1	1	0	0	0	0	0
Caulleriella alata	2	4	0	1	1	2	0	2
Thayrx sp.	0	0	0	0	2	1	0	0
Chaetozone setosa	0	0	0	0	1	0	0	0
Armandia maculata	0	1	0	1	0	1	0	0
Capitellidae	1	0	0	0	0	0	0	0
Notomastus cf. sp.	0	0	0	1	0	0	0	0
Mediomastus californiensis	3	5	2	1	1	0	2	8
Axiothella sp. A	3	1	0	5	0	0	5	1
Owenia fusiformis	0	0	0	1	0	1	0	0
Myriochele oculata	0	2	1	0	1	2	0	3
Pectinaria gouldii	0	0	0	1	0	0	0	0
Isolda pulchella	1	0	0	0	0	0	1	0
Fabricia sp.	2	4	3	0	1	1	1	1
Hydroides crucigera	3	0	0	0	0	0	0	0
Vermiliopsis sp. A	8	0	0	0	0	2	0	0
Oligochaeta	12	62	30	16	18	18	29	23
MOLLUSCA								
Gastropoda	0	0	0	0	0	0	0	1
Strombiformis hemphilli	0	0	0	0	1	0	0	0
Crepidula sp.	1	0	0	0	0	2	0	0
Natica pusilla	0	0	0	0	0	0	0	1
Anachis sp.	0	1	0	0	0	0	0	0
Olivella floralia	0	1	0	0	0	0	0	0
Marginella sp.	0	0	0	0	0	1	0	0
Turridae	0	0	0	0	0	0	1	0
Nudibranchia	0	0	0	0	0	1	0	0
Polyplacophora	1	0	0	1	0	0	0	0
Bivalvia	2	0	0	0	0	0	0	0
Solemya sp.	0	0	0	1	0	0	0	0
Solemya occidentalis	0	0	0	0	0	0	0	1
Lithophaginae sp.	0	0	0	0	0	0	1	0
Lucina sp.	0	0	0	0	0	0	1	1
Lucina nassula	0	0	0	1	0	1	0	0
Ervilia concentrica	0	1	0	0	2	0	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 49 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
MOLLUSCA (Continued)								
Tellina listeri	1	0	0	1	0	0	1	0
Tellina versicolor	0	1	0	0	0	0	0	1
Tellina texana	0	0	0	0	0	1	0	0
Pholadidae	0	2	0	0	0	0	0	0
Dentalium laqueatum	1	0	0	0	0	0	0	0
ARTHROPODA								
Achelia spinosa	0	0	0	0	0	1	0	0
Ostracoda-Myodocopa	0	6	0	5	0	5	5	4
Campylaspis sp. C	0	0	0	0	0	0	0	1
Cumella sp. B	1	0	0	0	0	0	0	0
Cyclaspis sp. A	2	4	0	1	0	1	1	2
Cyclaspis sp. E	0	0	0	0	0	0	0	1
Leptochelia sp. A	2	0	1	3	1	2	1	3
Apseudes propinquus	0	2	0	0	0	0	0	0
Eurydice piperata	0	0	0	1	0	0	0	0
Serolis mgrayi	0	0	0	1	0	1	0	0
Ampelisca sp. B	0	0	0	0	0	1	0	0
Ampelisca sp. C	0	0	1	0	0	0	1	0
Lembos sp.	0	0	0	1	0	0	0	0
Lembos sp. A	1	0	0	5	0	2	0	2
Microdeutopus myersi	0	0	0	0	0	2	0	0
Acuminodeutopus naglei	1	2	0	0	1	2	0	3
Corophium sp. B	0	1	0	0	0	0	0	0
Ericthonius brasiliensis	0	0	1	0	0	0	1	0
Photis sp. A	0	1	0	0	1	4	0	0
Listriella barnardi	0	0	0	0	0	1	0	0
Monoculodes nyei	0	2	0	0	0	0	0	1
Eudevenopus honduranus	0	0	4	2	1	4	2	4
Metharpinia floridana	2	4	1	4	0	0	1	0
Elasmopus sp.	1	0	0	0	0	0	0	0
Elasmopus cf. rapax	0	0	0	0	0	3	0	0
Maera sp. B	0	0	0	2	0	1	0	0
Megaluropus sp.	0	0	0	0	0	1	0	1
Tiron tropakis	0	0	1	0	0	1	0	1
Corophiodea sp. A	0	0	0	0	0	1	0	0
Luconacia incerta	1	1	0	0	0	0	0	0
Alpheus cf. normanni	0	0	0	0	0	1	0	0
Ogyrides alphaerostris	0	0	0	0	0	0	0	1
Callianassa sp. A	1	0	0	1	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 49 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Pagurus maclaughlinae	0	1	0	0	0	0	0	0
Paguristes hummi	0	0	1	0	0	0	0	0
Heterocrypta granulata	0	0	1	2	0	0	0	0
Batrachonotus fragosus	0	0	0	1	0	0	0	0
Xanthidae sp. A	0	0	0	1	0	0	0	0
Pinnixa sp.	0	0	0	0	0	0	0	1
SIPUNCULA								
Phascolion sp.	1	1	0	0	0	0	0	4
Paraspidosiphon sp.	0	0	1	0	0	0	0	0
PHORONIDA								
Phoronis architecta	0	0	1	3	1	0	0	1
ECTOPROCTA								
Ectoprocta	2	0	0	1	1	2	1	0
Selenaria sp.	0	0	0	0	0	1	0	0
ECHINODERMATA								
Ophiactis sp. A	1	0	0	0	0	0	0	0
Ophionephtys limicola	1	0	0	0	1	0	0	0
Moira atropus	0	0	0	0	0	0	1	0
CHORDATA--Urochordata								
Ascidiacea	1	0	0	0	1	0	0	0
CHORDATA--Cephalochordata								
Branchiostoma caribaeum	2	0	1	5	1	2	0	1
CHORDATA--Vertebrata								
Gobiidae	0	0	0	0	0	1	0	0

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 50

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
PORIFERA								
Porifera	0	0	0	0	0	0	2	0
CNIDARIA								
Hydrozoa	1	1	0	1	0	1	0	0
Zoantharia-Actiniaria	0	0	0	0	0	1	0	0
RHYNCOCOELA								
Rhynchocoela	8	7	2	9	3	8	9	12
ASCHELMINTHES								
Nematoda	17	28	7	24	14	28	20	31
ANNELIDA								
Polynoidae	1	0	0	0	0	0	1	1
Sthenelais sp. A	1	0	0	2	1	1	1	0
Paleanotus sp. A	0	0	0	3	2	4	0	1
Paramphinome sp. B	1	0	0	0	0	0	0	0
Eulalia macroceros	0	0	0	1	0	0	0	0
Gyptis brevipalpa	2	1	0	4	3	0	1	1
Podarke obscura	0	0	0	1	0	1	0	0
Ancistrosyllis jonesi	0	0	0	1	0	0	0	0
Synelmis albini	0	0	0	0	0	1	1	0
Exogone dispar	2	1	1	1	3	2	6	3
Sphaerosyllis taylori	0	1	0	0	0	0	0	0
Ehlersia ferrugina	0	0	0	0	0	1	0	0
Haplosyllis spongicola	0	0	0	0	0	2	0	0
Odontosyllis enopla	1	0	0	0	0	0	0	1
Syllides fulvus	0	0	0	0	0	0	0	1
Dentatisyllis carolinae	1	0	0	1	0	0	0	0
Nereis riisei	1	0	0	5	2	1	2	0
Nereis lamellosa	0	0	1	0	0	0	0	0
Diopatra sp.	0	0	0	0	1	0	0	0
Eunice vittata	0	0	0	3	0	0	0	1
Lumbrineris verrilli	1	0	0	0	0	0	0	0
Drilonereis longa	0	0	0	0	0	1	0	0
Schistomeringos rudolphi	5	5	1	0	5	11	2	10
Pettiboneia sp. A	0	0	0	0	0	0	3	0
Aricidea wassi	1	0	1	0	0	0	1	1
Aricidea catherinae	5	2	1	1	0	1	4	6

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 50 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Aricidea cerrutii	1	0	0	0	0	0	0	0
Aricidea fragilis	2	3	1	3	0	2	2	1
Aricidea philbinae	0	2	0	1	0	0	2	4
Aricidea taylori	5	7	2	6	3	3	4	7
Cirrophorus americanus	5	3	0	1	0	4	2	8
Polydora sp.	0	0	1	0	1	0	0	0
Prionospio cirrifera	0	0	0	1	0	0	0	2
Prionospio cristata	16	16	2	8	3	9	10	8
Paraprionospio pinnata	2	4	0	2	1	0	3	2
Apoprionospio dayi	3	6	1	8	1	1	1	2
Magelona sp. A	0	5	0	0	0	1	2	3
Magelona riojai	0	0	1	0	0	0	0	0
Caulleriella alata	7	1	2	3	3	3	4	8
Thayrx sp.	4	0	0	0	1	4	0	4
Tharyx annulosus	1	1	0	4	2	1	1	3
Chaetozone sp.	0	0	0	0	0	0	0	2
Therochaeta sp. A	0	0	0	0	0	0	0	1
Armandia maculata	10	16	6	9	6	4	5	13
Capitella capitata	3	0	1	25	0	0	0	3
Notomastus cf. sp.	1	0	0	0	0	0	0	0
Notomastus hemipodus	0	0	1	2	1	1	0	0
Notomastus sp. A	0	0	0	0	1	1	0	0
Mediomastus californiensis	0	1	0	0	0	0	1	2
Axiothella sp. A	4	3	0	3	1	3	1	2
Myriochele oculata	12	13	6	13	9	10	17	3
Pectinaria gouldii	1	1	0	0	0	0	0	0
Isolda pulchella	0	1	1	0	1	0	0	1
Chone americana	1	0	0	0	0	0	0	0
Sabella variegata	0	0	0	0	0	0	1	0
Fabricia sp.	8	13	2	5	6	5	8	11
Serpulidae	0	0	0	2	1	2	0	0
Hydroides protulicola	0	0	0	12	2	7	2	2
Hydroides crucigera	0	2	0	2	0	1	0	0
Grubeulepis augeneri	1	0	0	0	0	0	0	0
Oligochaeta	8	15	2	5	4	5	29	17
MOLLUSCA								
Caecum sp.	0	0	0	0	0	1	1	0
Caecum nitidum	0	0	0	1	0	0	1	0
Melanellidae	0	1	0	3	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 50 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
MOLLUSCA (Continued)								
Crepidula sp.	2	1	0	0	1	1	1	1
Zebina browniana	0	0	0	12	0	2	0	2
Anachis sp.	0	0	0	0	0	0	2	0
Mitrella lunata	1	0	1	4	2	1	5	2
Marginella sp.	1	0	0	1	1	0	0	0
Marginella aureocincta	1	0	0	0	0	1	1	1
Turridae	0	0	0	2	0	2	0	0
Turbonilla sp.	0	1	0	0	0	3	0	0
Volvulella persimilis	1	0	0	0	0	0	0	0
Cylindrobulla beauii	0	0	0	0	0	1	0	0
Atys caribaea	0	0	0	0	0	0	1	0
Atys sandersoni	1	0	0	0	0	0	0	0
Scaphander punctostriatus	0	0	0	1	0	0	0	1
Creseis sp.	0	0	0	0	0	0	0	1
Nudibranchia	1	0	0	0	0	1	0	0
Bivalvia	0	1	0	0	0	0	0	2
Solemya occidentalis	0	3	4	0	1	1	0	1
Pinctada radiata	0	0	0	0	0	4	0	0
Lucina muricata	0	0	0	0	1	0	0	2
Lucina nassula	0	0	0	0	0	1	0	0
Linga pensylvanica	0	0	0	1	0	0	0	0
Diplodonta punctata	0	2	0	0	0	0	0	1
Laevicardium mortoni	0	0	0	0	1	0	0	0
Tellina texana	0	0	0	0	0	0	0	1
Pitar fulminatus	0	0	0	0	0	0	0	1
Chione cancellata	0	0	0	0	0	0	0	1
Pholadidae	0	0	0	7	0	0	0	0
Dentalium sp.	0	1	0	0	0	0	0	0
ARTHROPODA								
Achelia spinosa	1	0	0	0	0	0	0	0
Ostracoda-Myodocopa	14	1	2	4	5	1	1	9
Bowmaniella portoricensis	0	0	0	0	0	0	0	1
Anchialina typica	0	0	0	0	1	0	0	1
Diastylidae	1	0	0	0	0	0	0	0
Cumella sp. A	0	1	0	0	0	0	0	1
Cumella sp. B	0	0	0	0	0	1	1	0
Cyclaspis cf. unicornis	0	0	0	0	0	0	0	1
Cyclaspis sp. A	2	0	0	0	0	0	0	0
Cyclaspis sp. B	0	0	0	1	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 50 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Cyclaspis sp. D	0	1	0	1	0	0	0	0
Vaunthompsonia sp. A	1	0	0	0	0	0	0	0
Leptochelia sp. A	1	1	0	1	0	0	0	1
Halmyrapseudes bahamensis	0	0	0	0	0	0	0	1
Apseudes propinquus	2	0	0	1	0	0	0	0
Paracerceis caudata	1	1	0	1	2	4	1	0
Rocinela signata	0	0	1	0	0	0	0	0
Acanthonotozomatidae sp. A	0	0	0	1	0	0	0	0
Ampeliscidae	0	0	0	0	1	0	0	0
Ampelisca sp. B	5	2	6	1	2	3	7	6
Amphilochus ?sp. B	0	0	0	1	0	0	0	0
Lembos sp.	7	2	0	0	0	0	0	0
Lembos cf. unicornis	0	0	0	3	0	0	0	0
Lembos unifasciatus reductus	0	0	3	1	3	2	10	9
Microdeutopus myersi	4	1	0	0	0	3	0	4
Acuminodeutopus naglei	4	2	0	0	1	0	1	1
Batea sp. A	0	1	0	0	1	0	0	0
Carinobatea sp. A	0	0	0	2	0	5	0	2
Corophium sp. B	1	0	0	0	0	0	0	0
Ericthonius brasiliensis	0	0	0	0	0	0	1	0
Photis sp. A	3	0	0	0	0	0	0	0
Lysianopsis cf. alba	0	0	0	14	0	1	0	1
Curidia debrogania	3	0	0	0	0	0	0	0
Eudevenopus honduranus	0	0	0	0	1	1	0	0
Dulichia sp. A	0	0	0	0	2	2	0	1
Podoceridae sp. B	0	0	1	0	0	0	0	0
Elasmopus sp.	0	0	0	1	0	0	0	0
Melita cf. sp. A	0	0	0	2	0	0	2	3
Megaluropus sp. A	0	1	0	0	0	0	0	0
Luconacia incerta	2	0	0	0	0	0	2	0
Penaeidae	0	0	0	0	0	0	0	1
Sicyonia cf. brevirostris	0	0	0	0	0	1	0	0
Periclimenes americanus	1	1	0	0	0	0	0	0
Hippolytidae	0	0	0	0	0	0	1	0
Latreutes parvulus	0	1	0	1	0	1	0	0
Processidae	0	0	0	0	0	0	1	0
Processa cf. bermudensis	0	0	0	0	1	0	0	1
Paguridae	0	2	0	0	0	0	0	1
Pagurus sp.	0	0	0	0	2	0	0	0
Pagurus maclaughlinae	0	0	0	0	1	0	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 50 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Heterocrypta granulata	0	1	0	0	0	0	0	0
Euryplax nitida	1	0	0	1	0	0	0	0
SIPUNCULA								
Sipuncula	0	0	0	0	1	0	0	0
Phascolion sp.	0	0	2	0	0	1	1	0
Paraspidosiphon sp.	0	0	1	1	1	2	0	0
ECHIURA								
Echiura	0	0	0	1	0	0	1	0
PRIAPULIDA								
Tubiluchus corallicola	1	1	0	1	0	0	0	1
ECTOPROCTA								
Ectoprocta	2	3	1	1	2	2	1	0
Selenaria sp.	1	0	1	2	0	2	2	0
BRACHIOPODA								
Glottidia pyramidata	2	0	0	0	0	0	0	0
ECHINODERMATA								
Ophiuroidea-Ophiurida	0	0	0	0	0	0	0	1
Amphiuridae	0	0	1	0	0	1	0	0
Ophionephtys limicola	0	0	0	1	2	0	2	0
Holothuroidea	0	1	0	0	0	1	0	0

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 52 - Live Bottom Area

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
PORIFERA								
Porifera	0	0	0	0	0	0	1	1
CNIDARIA								
Actiniaria-Athenaria	1	1	1	2	1	1	2	0
PLATYHELMINTHES								
Prosthiostomum sp.	0	2	0	0	0	1	0	0
Turbellaria-Polycladida	1	0	0	0	0	1	0	0
RHYNCOCOELA								
Rhynchocoela	5	6	0	1	9	8	2	2
ASCHELMINTHES								
Nematoda	82	49	6	13	46	43	10	9
ANNELIDA								
Pholoe minuta	0	0	0	0	1	1	1	3
Sthenelais sp. A	0	0	0	0	0	1	0	0
Paleanotus sp. A	0	0	0	0	0	1	0	1
Paramphinome sp. B	0	0	0	1	1	0	0	0
Phyllodoce castanea	0	0	0	1	0	0	0	0
Podarke obscura	0	0	0	0	0	0	1	1
Ancistrosyllis hartmanae	0	1	0	0	1	0	2	0
Synelmis albini	3	0	1	4	0	4	1	0
Autolytus dentalius	0	1	0	0	0	0	0	0
Pionosyllis sp.	1	0	0	0	0	0	0	0
Syllis gracilis	0	0	0	0	0	0	0	1
Typosyllis sp.	0	0	0	0	0	1	11	2
Exogone dispar	3	3	1	3	2	0	4	1
Exogone lourei	2	0	1	1	0	0	2	2
Exogone atlantica	0	0	0	0	1	1	1	0
Sphaerosyllis glandulata	6	1	0	0	0	1	1	4
Sphaerosyllis riseri	2	2	0	0	0	0	0	0
Brania clavata	0	1	0	0	0	1	0	0
Ehlersia cornuta	0	0	0	1	0	0	0	1
Ehlersia ferrugina	1	0	0	2	0	4	2	1
Haplosyllis spongicola	1	0	0	0	0	0	1	0
Odontosyllis enopla	0	1	0	0	0	0	0	0
Plakosyllis quadrioculata	0	0	0	0	0	1	0	0

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 52 - Live Bottom Area (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Branchiosyllis oculata	0	0	0	0	0	0	0	1
Dentatisyllis carolinae	0	2	1	4	0	1	0	0
Ceratonereis mirabilis	0	0	0	1	0	0	1	1
Nereis riisei	0	5	0	1	0	1	10	0
Goniadides carolinae	6	3	0	3	1	4	0	1
Eunice vittata	1	1	1	0	1	6	6	1
Nematonereis unicornis	1	1	0	0	0	0	2	0
Lumbrineris latreilli	0	0	0	1	0	0	0	0
Lumbrineris verrilli	0	0	0	1	1	0	0	0
Lumbrineris candida	0	0	0	1	0	0	0	0
Arabella mutans	1	0	1	0	0	0	0	0
Schistomeringos rudolphi	0	0	0	0	1	0	0	0
Pettiboneia sp. A	1	1	0	0	0	1	0	0
Aricidea catherinae	2	1	0	0	1	0	2	0
Aricidea taylori	0	0	0	0	0	0	1	0
Cirrophorus americanus	5	1	0	0	2	1	0	0
Prionospio cirrifera	0	0	0	0	0	0	1	0
Prionospio cristata	4	3	0	0	3	2	0	1
Spio pettiboneae	1	0	0	1	0	0	0	0
Aonides mayaguezensis	1	0	0	0	1	0	0	0
Magelona sp. A	0	1	0	0	0	0	0	0
Armandia maculata	1	3	1	2	0	2	6	2
Mediomastus californiensis	2	1	0	4	0	4	2	0
Decamastus sp. A	0	0	1	0	0	0	1	0
Axiothella sp. A	0	0	0	1	2	0	1	0
Owenia fusiformis	1	0	0	2	0	0	0	0
Myriochele oculata	0	0	0	0	2	0	2	0
Isolda pulchella	1	2	0	3	3	3	4	0
Pista sp.	0	1	0	0	0	0	0	0
Thelepus setosus	0	0	0	0	0	0	1	0
Loimia medusa	0	0	0	0	0	1	0	0
Terebellides stroemi	1	1	0	0	0	0	0	0
Chone americana	0	0	0	2	1	0	0	2
Megalomma lobiferum	0	0	0	0	0	0	1	0
Fabricia sp.	3	2	0	11	11	0	10	2
Serpulidae	0	1	0	0	0	0	0	1
Hydroides crucigera	0	0	0	0	0	0	1	0
Pseudovermiliopsis occidentalis	3	0	0	0	0	0	2	1
Oligochaeta	8	16	1	10	9	16	2	6

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - Live Bottom Area (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
MOLLUSCA								
Caecum sp.	1	0	0	0	0	0	2	0
Diastoma varium	0	0	0	1	0	0	0	0
Athleenia burryi	0	0	0	0	0	0	1	0
Crepidula sp.	0	1	1	1	1	0	2	1
Zebina browniana	0	0	0	0	0	0	1	0
Kurtziella atrostyla	0	0	0	0	0	0	1	0
Turbonilla sp.	1	0	0	1	0	0	0	0
Acteon punctostriatus	0	0	0	0	0	0	1	0
Atys caribaea	0	0	0	0	1	0	0	0
Nudibranchia	0	0	1	0	0	0	0	0
Arcopsis adamsi	0	1	0	0	0	0	0	0
Lima sp.	0	0	0	0	0	0	0	1
Ostreidae	0	0	0	0	1	0	0	0
Lucina sp.	0	0	0	0	1	0	0	0
Mysella planulata	0	2	0	1	0	0	0	0
Crassinella lunulata	0	0	0	1	2	0	2	0
Cardiidae	0	0	0	0	0	0	1	0
Semele purpurascens	0	0	0	0	0	0	1	0
Gouldia cerina	0	0	1	0	0	0	1	0
ARTHROPODA								
Nymphon hirtipes	1	0	0	0	0	0	0	0
Anoplodactylus parvus	0	1	0	0	0	0	0	0
Anoplodactylus petiolatus	0	0	0	0	0	1	0	0
Ostracoda-Myodocopa	8	4	8	12	4	6	0	7
Paranesidea gigacantha	0	0	0	0	0	0	1	0
Anchialina typica	1	0	0	0	1	0	0	0
Oxyurostylis sp. A	1	0	0	0	0	0	0	0
Campylaspis sp. C	0	1	1	1	0	0	0	0
Cumella sp. A	0	1	0	0	0	0	0	0
Cyclaspis sp. A	1	0	0	0	1	0	0	0
Cyclaspis sp. D	1	1	0	0	1	0	0	0
Cyclaspis sp. E	1	0	0	0	0	0	0	0
Vaunthompsonia sp. A	1	0	0	0	0	0	0	1
Leptochelia sp. A	1	0	0	0	0	0	0	1
Halmyrapseudes bahamensis	0	0	0	1	0	0	0	1
Apseudes sp. I	1	0	0	0	0	0	0	0
Calozodion wadei	2	1	1	0	0	4	0	1
Pagurapseudes largoensis	2	1	1	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - Live Bottom Area (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Acanthonotozomatidae sp. B	0	0	0	0	0	0	0	1
Ampeliscidae	0	0	0	0	0	0	1	0
Ampelisca sp. B	0	2	0	2	0	1	2	1
Amphilochus sp. A	0	0	0	0	0	0	1	0
Lembos sp.	0	0	0	1	0	0	0	0
Microdeutopus myersi	0	1	0	0	0	0	0	0
Acuminodeutopus nagiei	0	0	0	0	0	1	0	0
Carinobatea sp. A	0	0	0	0	0	1	0	0
Lysianopsis sp. A	0	0	0	1	0	0	0	1
Dulichia sp. A	0	1	0	0	0	0	1	0
Metaprotella cf. hummelincki	1	3	0	1	0	0	0	0
Corophiodea sp. A	0	0	0	0	0	1	0	0
Sicyonia cf. brevirostris	1	1	0	1	1	0	0	4
Periclimenes americanus	0	0	0	0	0	0	1	0
Processa cf. bermudensis	0	0	0	0	0	0	0	1
Paguridae	1	0	2	0	3	0	0	0
Pagurus maclaughlinae	0	0	0	0	0	1	0	0
Paguristes tortugae	0	1	0	2	0	1	0	1
Paguristes nr. lymani	0	1	0	0	0	2	0	0
Eballa carlosa	0	0	0	0	0	1	0	0
Micropanope sp. A	0	0	0	0	0	0	2	0
Pinnixa sp. C	0	0	0	0	0	1	0	0
SIPUNCULA								
Phascolion sp.	0	0	0	1	0	0	0	0
Paraspidosiphon sp.	0	0	0	0	1	0	0	0
PRIAPULIDA								
Tubiluchus corallicola	2	0	0	0	1	1	0	0
ECTOPROCTA								
Ectoprocta	0	0	0	0	0	0	1	0
Selenaria sp.	1	0	0	0	0	0	0	0
BRACHIOPODA								
Glottidia pyramidata	3	5	0	2	0	2	0	0
ECHINODERMATA								
Ophiactis sp.	2	0	0	0	0	0	0	0
Ophiactis sp. B	0	0	0	0	1	0	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - Live Bottom Area (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ECHINODERMATA (Continued)								
Ophiactis sp. A	0	3	3	1	1	0	3	2
Amphiodia pulchella	0	1	0	0	0	0	0	0
Axiognathus squamata	0	0	0	1	1	0	1	1
Ophiothrix angulata	0	0	1	0	0	0	0	0
CHORDATA--Urochordata								
Ascidiacea	0	0	0	0	0	0	3	0
CHORDATA--Vertebrata								
Gobiidae	0	0	0	0	0	1	0	0

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - 5 m From Live Bottom

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
PORIFERA								
Porifera	1	1	2	0	0	0	0	0
CNIDARIA								
Hydrozoa	0	1	1	0	1	0	0	1
Zoantharia-Actiniaria	0	6	1	9	4	0	0	11
Actiniaria-Thenaria	1	1	2	1	0	0	0	2
PLATYHELMINTHES								
Turbellaria-Polycladida	1	0	0	1	0	3	0	0
RHYNCOCOELA								
Rhynchocoela	8	14	14	13	3	12	9	12
ASCHELMINTHES								
Nematoda	32	64	66	35	52	37	14	35
ANNELIDA								
Subadyte pellucida	1	1	1	1	0	0	0	1
Polynoidae genus D	0	0	1	1	0	0	0	0
Polynoidae genus E	0	0	0	1	0	0	0	0
Pholoe minuta	3	2	0	0	1	4	0	0
Sthenelais sp. A	0	1	0	0	0	1	0	1
Paleanotus heteroseta	0	0	0	0	0	1	0	0
Paramphinome sp. B	0	2	1	0	1	0	0	0
Euphrosine sp.	1	0	0	0	0	0	0	0
Phyllodoce castanea	3	0	0	0	0	0	0	1
Gyptis brevipalpa	0	0	0	1	0	0	1	0
Ancistrosyllis hartmanae	0	0	0	0	0	0	0	1
Ancistrosyllis jonesi	0	1	0	0	0	0	0	0
Synelmis albini	0	0	0	0	1	0	0	1
Autolytus dentalius	0	1	0	1	0	1	0	2
Pionosyllis sp.	2	1	1	1	5	2	1	0
Syllis gracilis	1	1	1	0	0	0	1	0
Typosyllis sp.	0	1	0	0	0	0	0	0
Typosyllis armillaris	0	2	3	2	1	2	0	0
Typosyllis amica	0	0	1	0	0	0	0	0
Typosyllis cf. *lutea*	0	2	0	0	0	0	2	1
Typosyllis prolifera	1	0	1	1	0	0	0	0
Typosyllis sp. A	1	0	0	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - 5 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Exogone dispar	5	6	3	4	5	5	0	3
Exogone lourei	1	1	2	0	1	2	0	2
Exogone atlantica	0	0	1	0	1	0	0	0
Sphaerosyllis sp.	1	0	0	0	0	0	0	0
Sphaerosyllis glandulata	0	2	1	1	1	4	0	0
Brania clavata	0	2	0	1	0	0	0	0
Ehlersia cornuta	1	1	0	0	0	1	0	1
Haplosyllis spongicola	1	6	15	4	0	5	7	7
Odontosyllis enopla	1	0	0	0	0	3	0	1
Syllides sp.	0	0	1	0	0	0	0	0
Plakosyllis quadrioculata	3	3	0	1	4	3	0	0
Branchiosyllis exilis	0	0	3	0	0	0	0	1
Branchiosyllis oculata	0	0	1	0	0	0	0	0
Dentatisyllis carolinae	2	1	0	0	0	0	3	0
Nereis riisei	3	2	5	3	2	6	1	6
Sphaerodoropsis sp.	1	0	0	0	0	0	0	0
Goniada teres	0	0	0	1	0	0	0	0
Goniadides carolinae	0	1	0	0	0	0	0	0
Onuphidae	0	0	1	0	0	0	0	0
Eunice vittata	4	9	3	2	5	8	3	3
Marphysa sp. C	2	1	2	0	0	1	1	1
Nematonereis unicornis	0	1	0	1	0	0	0	0
Lumbrineris latreilli	0	0	0	0	0	1	1	0
Lumbrineris inflata	0	0	0	0	0	0	0	1
Lumbrineris verrilli	0	0	1	0	0	1	0	1
Lumbrineris candida	0	1	2	0	0	1	0	1
Drilonereis longa	0	0	0	0	0	0	0	1
Arabella mutans	0	1	1	1	0	0	2	3
Pettiboneia sp. A	0	0	0	1	0	0	0	0
Scoloplos rubra	1	0	0	0	0	0	0	0
Aricidea catherinae	1	0	0	0	1	2	2	3
Aricidea fragilis	0	0	0	0	1	0	0	0
Aricidea taylori	1	0	0	0	0	0	0	1
Cirrophorus americanus	1	2	0	1	0	2	1	2
Prionospio cirrifera	3	3	2	3	3	4	0	1
Prionospio cristata	3	4	4	2	4	4	4	2
Aonides mayaguezensis	2	0	2	0	1	0	0	0
Magelona cf. cincta	0	0	0	0	0	0	1	0
Cirratulidae	0	0	0	0	0	1	0	0
Acrocirrus frontifilis	0	1	0	0	1	0	1	0

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 52 - 5 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Therochaeta sp. A	0	0	1	0	0	0	2	2
Armandia maculata	8	8	8	10	7	7	3	8
Notomastus latericeus	0	1	0	0	0	0	1	0
Notomastus hemipodus	1	0	2	0	1	1	0	0
Mediomastus californiensis	3	4	2	8	4	4	2	5
Axiothella sp. A	0	0	1	0	1	1	0	1
Owenia fusiformis	1	0	0	0	0	0	0	0
Myriochele oculata	0	2	1	1	1	2	0	5
Sabellaria vulgaris	0	1	1	0	2	0	1	3
Amphictels scaphobranchiata	0	0	0	1	0	0	0	0
Isolda pulchella	3	3	0	4	3	4	4	3
Pista quadrilobata	2	0	0	1	0	0	0	0
Amaeana trilobata	2	0	0	1	1	0	0	0
Terebellides stroemi	2	2	0	3	7	5	2	2
Sabellidae	6	2	2	1	2	2	1	2
Chone americana	0	0	0	1	0	0	0	0
Megalomma bioculatum	0	0	0	1	0	0	0	0
Sabella variegata	3	0	0	2	1	5	3	0
Fabricia sp.	1	8	11	9	14	8	4	15
Serpulidae	0	3	4	0	0	6	0	0
Spirorbis sp. A	0	0	8	0	4	0	0	0
Hydroides crucigera	0	2	0	0	0	2	0	0
Pseudovermilliopsis occidentalis	2	3	1	0	1	2	0	0
Vermiliopsis sp. A	5	3	0	0	5	1	1	3
Grubeulepis augeneri	0	0	0	0	0	0	0	1
Oligochaeta	7	19	3	12	5	3	3	2
MOLLUSCA								
Gastropoda	0	0	0	0	1	0	0	0
Diodora sp.	1	0	0	0	0	0	0	0
Lucapinella limatula	0	0	0	1	0	0	0	0
Caecum sp.	0	0	0	0	0	0	0	1
Crepidula sp.	0	1	0	1	0	0	0	0
Zebina browniana	3	0	0	0	0	0	0	1
Crassispira sp.	0	0	0	1	0	0	0	0
Philine sagra	1	0	0	0	0	0	0	0
Nudibranchia	1	0	0	0	0	1	0	0
Polyplacophora	1	2	1	2	3	3	1	2
Solemya occidentalis	0	0	0	0	0	1	0	0
Crenella divaricata	0	1	0	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - 5 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
MOLLUSCA (Continued)								
Lucina sp.	0	0	0	1	0	0	0	0
Mysella planulata	0	0	0	1	0	0	0	0
Mercenaria campechiensis	0	0	1	0	0	0	0	0
Pitar fulminatus	0	0	1	0	0	1	0	0
Gouldia cerina	1	1	0	1	2	0	1	0
ARTHROPODA								
Nymphon hirtipes	0	0	0	0	0	0	0	1
Achelia spinosa	2	0	0	0	0	0	0	0
Ostracoda-Myodocopa	2	2	4	3	7	0	0	7
Neonesidea gerda	0	0	0	0	2	0	0	0
Paranesidea gigacantha	0	0	0	1	0	0	0	0
Balanus amphitrite	0	0	0	0	1	0	0	0
Peracarida-Mysidacea	1	0	0	0	0	0	0	0
Anchialina typica	1	0	0	0	0	0	0	0
Cyclaspis sp. D	0	1	0	0	1	0	0	0
Vaunthompsonia sp. A	0	0	1	0	0	0	0	0
Leptochelia sp. A	0	1	2	0	7	1	0	5
Halmyrapseudes bahamensis	2	1	1	0	0	0	0	0
Kalliapseudes sp. A	0	0	0	0	0	1	0	0
Apseudes sp. I	0	0	0	3	0	2	0	1
Calozodion wadei	2	3	0	2	1	8	2	9
Pagurapseudes largoensis	0	0	0	0	0	0	0	3
Edotea sp.	0	0	0	0	0	1	0	2
Stenetrium stebbingi	3	2	2	4	0	3	0	4
Peracarida-Amphipoda	0	0	0	0	0	0	0	1
Ampelisca schellenbergi	4	3	3	2	5	1	1	5
Ampelisca sp. B	3	3	2	5	1	1	0	1
Amphilochus ?sp. B	1	0	0	0	0	0	0	0
Lembos sp.	0	0	0	0	0	2	0	0
Lembos cf. *unicornis*	0	0	2	2	0	0	0	0
Microdeutopus myersi	0	0	0	0	0	0	0	1
Ericthonius brasiliensis	0	0	0	0	1	0	0	0
Dulichiella appendiculata	0	0	1	0	0	0	0	0
Metaprotella cf. *hummelincki*	0	2	1	0	3	1	0	0
Melita cf. sp. A	0	0	1	0	1	0	2	2
?*Melita* sp. I	4	7	0	0	0	0	0	0
Trachypenaeus constrictus	0	0	0	0	0	0	1	0
Sicyonia cf. *brevirostris*	1	0	0	0	0	0	0	0
Periclimenes americanus	1	0	0	0	1	2	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - 5 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Alpheus cf. normanni	0	0	1	0	0	1	0	1
Thor sp.	1	0	0	0	0	0	0	0
Paguridae	0	1	1	1	0	0	0	0
Paguristes tortugae	0	0	0	0	0	1	0	0
Heterocrypta granulata	0	0	1	0	0	0	0	0
Pelia mutico	0	0	0	2	0	0	0	0
Panopeus sp. A	0	0	0	0	0	0	0	1
Micropanope sp. A	0	0	0	1	0	1	0	1
Euryplax nitida	1	0	0	0	1	0	0	1
SIPUNCULA								
Sipuncula	0	1	0	1	0	0	0	0
Siphonosoma sp.	0	0	0	1	0	0	0	0
Paraspidosiphon sp.	0	0	1	0	0	0	0	1
ECHIURA								
Echiura	0	0	0	0	1	0	0	0
PRIAPULIDA								
Tubiluchus corallicola	1	0	0	1	0	3	0	2
PHORONIDA								
Phoronis architecta	0	1	1	0	0	0	0	0
ECTOPROCTA								
Ectoprocta	0	2	1	0	2	1	0	0
BRACHIOPODA								
Glottidia pyramidata	0	0	4	0	0	0	0	0
ECHINODERMATA								
Ophiuroidea-Ophiurida	2	1	0	1	0	2	0	2
Ophiolepis elegans	0	0	0	0	0	0	1	0
Ophiactis sp. A	29	0	5	4	2	10	3	8
Amphiuridae	0	2	0	0	0	0	1	0
Amphiodia pulchella	1	2	0	1	0	0	1	0
Ophiophragmus pulcher	0	0	0	1	0	0	1	0
Amphioplus coniortodes	0	0	0	1	0	0	0	0
Amphioplus thrombodes	0	0	1	0	0	0	0	0
Axiognathus squamata	0	1	0	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - 5 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No.							
	1	2	3	4	5	6	7	8
ECHINODERMATA (Continued)								
Ophiostigma isocantha	0	0	0	0	1	2	2	0
Ophiostigma isocantha	0	0	0	0	1	2	2	0
Lytechinus variegatus carolinus	1	0	0	0	0	0	0	0
Holothuroidea	1	0	0	0	0	1	0	0
CHORDATA--Urochordata								
Ascidiacea	2	0	2	0	0	0	0	0
CHORDATA--Vertebrata								
Gobiidae	0	0	0	1	0	0	0	1

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 52 - 8 m From Live Bottom

Taxon	NUMBER PER 0.0156 m^2 REPLICATE · Replicate No. 1	2	3	4	5	6	7	8
PORIFERA								
Porifera	0	1	0	0	0	1	0	0
CNIDARIA								
Hydrozoa	0	1	2	0	0	0	0	0
Zoantharia-Actiniaria	0	7	1	0	1	3	0	1
PLATYHELMINTHES								
Styiochus sp.	0	0	0	1	0	0	0	0
Euplana gracilis	0	0	0	0	0	1	0	0
Prosthiostomum sp.	0	0	0	0	0	0	0	1
Turbellaria-Polycladida	0	0	0	2	2	0	0	0
RHYNCOCOELA								
Rhynchocoela	12	6	6	9	11	5	6	6
ASCHELMINTHES								
Nematoda	15	37	17	44	32	11	7	36
ANNELIDA								
Lepidonotus sublevis	0	0	0	0	0	1	0	0
Subadyte pellucida	0	1	1	2	0	3	2	0
Polynoidae genus D	1	0	0	1	0	0	0	1
Pholoe minuta	0	2	0	4	1	2	2	0
Sthenelais sp. A	0	0	0	0	0	0	1	0
Psammolyce ctenidophora	0	0	0	0	0	1	0	0
Paramphinome sp. B	0	0	1	1	0	0	1	0
Phyllodoce castanea	0	0	0	0	2	0	1	0
Eulalia sanguinea	0	1	1	2	0	0	2	0
Gyptis brevipalpa	0	0	0	0	1	1	0	0
Hesione picta	0	0	0	0	0	0	1	0
Podarke obscura	0	0	0	0	0	0	2	1
Ancistrosyllis hartmanae	1	0	0	0	0	0	0	2
Ancistrosyllis jonesi	0	0	0	1	0	0	0	1
Synelmis albini	0	0	1	0	0	0	0	0
Syllidae	0	0	0	0	0	0	2	0
Autolytus dentalius	0	1	0	1	0	1	1	1
Pionosyllis sp.	0	1	2	7	6	3	2	3
Syllis gracilis	0	1	4	5	0	1	2	1
Trypanosyllis vittigera	0	0	0	0	0	0	1	0

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 52 - 8 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Typosyllis sp.	0	1	0	0	2	2	0	0
Typosyllis armillaris	2	2	1	2	3	1	1	0
Typosyllis cf. lutea	0	1	1	0	0	0	0	1
Typosyllis prolifera	0	2	1	0	0	0	0	1
Typosyllis sp. A	0	0	0	0	1	0	1	0
Exogone n. sp.	0	0	1	0	0	0	0	0
Exogone dispar	0	3	3	4	5	2	2	0
Exogone lourei	0	2	0	1	2	1	1	2
Exogone atlantica	0	1	0	2	0	1	0	0
Exogone longicirrus	0	0	0	0	0	0	0	2
Sphaerosyllis glandulata	0	1	0	1	5	2	1	1
Sphaerosyllis taylori	0	0	1	0	0	0	1	0
Brania clavata	1	2	0	0	0	1	0	0
Ehlersia cornuta	2	2	1	1	3	0	2	0
Ehlersia ferrugina	1	0	0	0	0	1	0	0
Haplosyllis spongicola	0	28	2	2	0	45	8	2
Odontosyllis enopla	1	0	1	0	1	0	0	0
Plakosyllis quadrioculata	2	2	3	3	5	1	1	1
Branchiosyllis exilis	0	0	0	2	0	0	1	0
Dentatisyllis carolinae	0	0	5	1	2	2	1	1
Nereis riisei	2	3	2	4	1	4	1	1
Sphaerodoridae	0	0	0	0	0	0	1	0
Goniadides carolinae	0	0	0	0	1	0	0	0
Mooreonuphis nebulosus	0	0	0	0	1	0	0	0
Eunice vittata	0	9	3	4	5	11	7	4
Marphysa sp. B	0	0	0	1	0	0	0	0
Marphysa sp. C	0	2	1	2	1	2	0	4
Nematonereis unicornis	0	0	0	0	1	0	1	2
Lumbrineris latreilli	1	0	0	0	0	0	0	0
Lumbrineris inflata	0	1	0	0	0	0	0	0
Lumbrineris verrilli	0	0	0	1	1	0	0	0
Lumbrineris candida	0	2	1	0	1	1	0	0
Arabella iricolor	1	0	0	0	0	0	0	0
Arabella mutans	2	1	2	1	0	0	0	0
Dorvillea sociabilis	2	0	0	0	1	0	0	0
Pettiboneia sp. A	0	0	0	0	0	1	1	0
Scoloplos rubra	0	0	0	1	0	0	0	0
Aricidea catherinae	2	0	0	0	1	0	1	1
Aricidea taylori	1	0	0	0	0	0	0	1
Cirrophorus americanus	0	2	12	2	0	1	0	2

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - 8 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Laonice cirrata	0	0	0	0	0	1	0	0
Prionospio cirrifera	1	3	5	5	3	3	1	1
Prionospio cirrobranchiata	0	1	0	0	0	0	0	0
Prionospio cristata	3	2	2	2	1	3	0	1
Aonides mayaguezensis	1	0	0	0	0	0	0	0
Magelona sp. A	0	0	0	0	0	0	1	1
Cirratulidae	0	0	0	0	0	0	1	2
Dodecaceria coralii	0	0	0	0	0	0	0	1
Acrocirrus frontifilis	0	0	0	1	0	0	0	0
Therochaeta sp. A	0	1	0	0	0	0	0	1
Armandia maculata	1	4	8	8	3	11	7	5
Notomastus latericeus	0	1	0	0	0	0	0	0
Notomastus hemipodus	1	1	2	2	2	1	0	0
Mediomastus californiensis	1	5	3	6	2	1	1	3
Axiothella sp. A	1	1	1	0	2	0	2	2
Owenia fusiformis	1	0	0	0	0	0	0	0
Myriochele oculata	2	0	1	3	3	2	0	0
Sabellaria vulgaris	2	1	0	0	2	0	0	1
Isolda pulchella	4	2	0	3	1	0	4	3
Pista sp.	0	0	0	0	1	2	1	0
Loimia medusa	0	0	0	1	0	0	0	0
Amaeana trilobata	0	0	0	1	0	1	0	1
Terebellides stroemi	8	9	4	6	7	7	14	3
Trichobranchus glacialis	0	1	0	0	1	0	0	0
Sabellidae	1	2	0	2	0	3	3	1
Megalomma bioculatum	1	0	0	0	0	0	0	0
Sabella sp.	0	0	0	1	0	0	1	1
Sabella variegata	1	1	9	4	2	4	2	0
Fabricia sp.	2	3	3	2	9	5	2	12
Serpulidae	0	5	1	1	1	1	0	1
Hydroides protulicola	0	1	0	0	0	0	0	0
Hydroides uncinatus	0	1	0	0	0	0	0	0
Pseudovermiliopsis occidentalis	0	1	2	1	1	2	0	0
Vermiliopsis sp.	0	0	1	0	0	0	0	0
Oligochaeta	15	3	13	5	1	3	1	4
MOLLUSCA								
Caecum sp.	0	0	0	1	0	0	0	0
Crepidula sp.	0	2	0	0	3	0	0	0
Zebina browniana	0	0	0	0	0	0	2	0

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 52 - 8 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
MOLLUSCA (Continued)								
Haminoeidae	0	1	0	1	0	0	0	0
Polyplacophora	0	0	1	1	1	2	0	0
Nucula sp.	1	0	0	0	0	0	0	0
Arca zebra	0	0	0	0	1	1	0	0
Crenella divaricata	0	0	0	0	1	0	0	0
Modiolus modiolus squamosus	0	0	0	0	0	0	1	0
Lima sp.	0	0	0	0	0	0	1	0
Gouldia cerina	0	1	0	1	0	0	0	0
ARTHROPODA								
Achelia spinosa	0	0	3	0	0	0	0	0
Ostracoda-Myodocopa	2	1	3	2	4	0	0	2
Neonesidea gerda	0	0	2	1	4	0	0	4
Paranesidea gigacantha	0	0	1	0	0	0	0	0
Cumella sp. A	0	2	0	1	1	0	0	0
Cyclaspis sp. B	0	0	0	0	1	0	0	0
Cyclaspis sp. D	0	0	1	0	0	0	0	1
Vaunthompsonia sp. A	0	0	0	0	0	0	0	1
Leptochelia sp. A	1	2	3	1	2	1	1	0
Halmyrapseudes bahamensis	0	1	0	2	0	0	0	0
Apseudes propinquus	0	0	0	0	0	0	1	0
Apseudes sp. I	0	4	0	0	0	1	0	0
Calozodion wadei	3	0	4	5	6	6	5	1
Rocinela signata	0	0	1	0	0	0	0	0
Edotea sp.	0	0	1	0	0	0	0	0
Stenetrium stebbingi	1	4	1	3	1	6	6	3
Ampelisca schellenbergi	2	4	4	5	2	4	4	3
Ampelisca sp. B	3	1	0	2	2	0	1	3
Amphilochus ?sp. B	0	0	0	0	0	0	1	0
Amphilochus sp. A	0	0	0	1	0	0	0	0
Lembos sp.	0	0	0	1	0	0	0	0
Lembos cf. unicornis	0	3	0	0	1	0	3	1
Carinobatea sp. A	0	1	1	0	1	0	0	0
Colomastix sp. A	0	0	0	1	0	0	0	0
Dulichiella appendiculata	0	0	0	1	0	0	0	0
Photis sp. A	0	0	1	0	0	0	0	0
Leucothoe sp. A	0	0	1	1	0	0	0	0
Lysianassidae sp. B	0	0	0	0	0	1	0	0
Melita cf. sp. A	1	0	3	7	6	3	3	1
Megaluropus sp. A	0	0	0	1	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - 8 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Melitidae sp. A	0	0	0	0	1	0	0	0
Luconacia incerta	0	1	1	1	2	0	0	0
Sicyonia cf. brevirostris	1	1	0	0	1	0	0	0
Leptochela serratorbita	0	0	0	0	0	1	0	0
Periclimenes americanus	0	0	0	1	0	0	0	1
Alpheus cf. normanni	1	0	0	0	0	2	0	0
Latreutes parvulus	0	0	0	1	0	0	0	0
Thor sp.	0	0	0	0	0	1	0	0
Processa cf. bermudensis	0	0	1	0	0	0	0	0
Paguridae	1	1	0	0	0	0	0	0
Paguridae sp. A	0	0	0	0	0	4	0	0
Paguridae sp. 1	0	0	0	0	3	0	0	0
Hypoconcha arcuata	0	0	1	0	0	0	0	0
Speloeophorus pontifer	0	1	0	0	0	0	0	0
Pelia mutica	0	0	1	1	0	0	0	0
Batrachonotus fragosus	0	0	0	0	1	0	0	0
Eurypanopeus sp. A	0	1	0	0	0	0	0	0
Micropanope sp. A	0	0	2	0	0	1	0	0
Xanthidae sp. A	1	0	0	0	1	0	0	0
Euryplax nitida	0	0	0	0	0	1	0	0
Pinnotheridae	0	0	0	0	0	0	0	1
SIPUNCULA								
Sipuncula	0	0	0	0	1	3	2	1
Siphonosoma sp.	1	0	1	1	0	0	0	0
Paraspidosiphon sp.	0	0	0	0	0	0	0	1
PRIAPULIDA								
Tubiluchus corallicola	0	1	0	1	2	0	0	2
PHORONIDA								
Phoronis architecta	2	0	0	0	0	2	0	0
ECTOPROCTA								
Ectoprocta	0	2	0	0	3	1	0	0
BRACHIOPODA								
Glottidia pyramidata	1	0	0	2	1	1	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - 8 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ECHINODERMATA								
Echinaster sp.	0	0	1	0	0	0	0	0
Ophiuroidea-Ophiurida	0	0	0	0	1	0	0	0
Ophiolepis elegans	0	0	1	1	0	0	0	0
Ophiactis sp. B	0	3	0	2	2	0	1	0
Ophiactis sp. A	4	9	6	3	6	22	12	1
Amphiodia trychna	0	0	0	0	0	0	0	1
Amphiodia pulchella	0	0	0	0	1	1	0	0
Amphioplus abditus	0	0	1	1	0	0	0	0
Amphioplus thrombodes	1	0	0	0	0	0	0	0
Ophiostigma isocantha	0	1	0	1	0	0	0	0
Ophiostigma isocantha	0	1	0	1	0	0	0	0
CHORDATA--Urochordata								
Ascidiacea	0	2	0	0	1	0	0	0
CHORDATA--Vertebrata								
Gobiidae	0	1	0	0	0	1	0	0

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - 30 m From Live Bottom

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
PORIFERA								
Porifera	0	0	0	0	1	0	0	1
Monaxomida sp.	0	1	0	0	1	0	1	1
CNIDARIA								
Hydrozoa	1	2	2	2	1	1	1	0
Clavidae	0	0	0	0	0	0	0	1
Zoantharia-Actiniaria	1	1	2	0	0	0	3	2
PLATYHELMINTHES								
Prosthecereaus maculosus	0	0	0	0	1	0	0	0
Prosthiostomum sp.	0	0	0	0	0	0	0	1
RHYNCOCOELA								
Rhynchocoela	28	8	6	9	10	4	4	8
ASCHELMINTHES								
Nematoda	13	33	19	44	59	17	26	38
ANNELIDA								
Lepidonotus sublevis	0	0	0	1	1	0	0	0
Subadyte pellucida	0	0	1	1	2	1	1	0
Pholoe minuta	1	0	0	0	1	0	0	1
Paleanotus sp. A	0	0	0	0	1	0	0	1
Paramphinome sp. B	3	0	1	0	0	0	0	2
Phyllodoce castanea	0	0	0	0	1	0	0	0
Hesionidae	0	0	0	0	2	0	0	0
Podarke sp. A	0	0	0	0	1	0	0	0
Ancistrosyllis hartmanae	1	1	0	0	0	0	0	0
Ancistrosyllis jonesi	0	0	1	0	0	0	0	0
Synelmis albini	0	0	0	0	0	0	0	2
Syllidae	0	0	0	0	2	0	0	2
Autolytus dentalius	0	1	2	0	1	0	0	0
Pionosyllis sp. A	0	1	0	0	0	0	1	2
Syllis gracilis	0	1	1	0	7	0	1	3
Typosyllis armillaris	0	0	0	0	3	0	0	1
Typosyllis cf. lutea	1	0	1	0	2	0	1	0
Exogone dispar	5	3	1	4	3	2	1	9
Exogone lourei	1	2	0	0	0	0	1	0
Exogone atlantica	0	0	0	0	0	0	0	1

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - 30 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Sphaerosyllis glandulata	0	1	1	1	4	1	1	3
Brania spp.	0	0	0	0	2	0	0	1
Ehlersia cornuta	0	0	0	0	1	0	1	1
Ehlersia ferrugina	0	0	0	1	0	0	0	0
Haplosyllis spongicola	9	16	4	3	74	0	12	37
Odontosyllis enopla	0	1	0	1	1	0	0	2
Syllides floridanus	0	1	0	0	0	0	0	0
Plakosyllis quadrioculata	0	1	2	0	0	0	1	2
Branchiosyllis exilis	0	0	0	0	1	0	0	2
Dentatisyllis carolinae	0	0	1	1	0	1	1	0
Ceratonereis irritabilis	0	1	0	0	0	0	0	0
Ceratonereis mirabilis	0	0	0	1	0	0	0	0
Neanthes micromma	0	0	2	0	0	0	0	0
Nereis riisei	1	1	0	0	5	1	1	1
Goniadides carolinae	0	0	0	0	0	0	2	0
Onuphidae	0	0	0	0	1	0	0	1
Diopatra cuprea	0	0	0	1	1	0	0	0
Mooreonuphis nebulosus	0	1	0	1	0	0	0	0
Eunice vittata	3	3	3	2	3	0	3	3
Marphysa sp. A	0	0	0	0	3	0	0	3
Marphysa sp. C	0	0	1	0	0	0	1	0
Nematonereis unicornis	0	0	1	0	1	0	1	1
Lumbrineris latreilli	1	0	0	0	0	0	0	0
Lumbrineris ernesti	0	0	0	1	0	0	0	0
Lumbrineris coccinea	0	0	0	0	2	0	0	0
Lumbrineris verrilli	0	0	0	1	0	0	0	1
Lumbrineris candida	0	0	1	0	0	0	0	0
Arabella mutans	1	1	0	0	1	0	0	0
Schistomeringos rudolphi	1	0	0	0	1	0	1	0
Pettiboneia sp. A	0	2	0	0	1	1	0	0
Aricidea catherinae	2	1	2	0	2	1	4	2
Aricidea fragilis	0	0	0	0	1	0	0	0
Aricidea taylori	1	1	0	0	1	0	0	0
Cirrophorus americanus	0	3	0	2	2	0	1	2
Polydora sp. A	0	0	0	0	1	0	0	0
Prionospio cirrifera	6	0	0	1	1	2	1	2
Prionospio cristata	3	2	4	2	1	3	0	0
Aonides mayaguezensis	0	0	0	0	1	0	0	0
Cirratulidae	0	0	0	0	1	0	0	0
Caulleriella sp.	0	0	0	0	0	0	1	0

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 52 - 30 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Tharyx annulosus	2	0	0	0	0	0	0	0
Chaetozone sp.	0	0	0	0	0	0	0	1
Dodecaceria coralii	0	0	0	0	0	0	0	1
Therochaeta sp. A	0	0	0	0	5	0	0	0
Armandia maculata	6	5	8	4	6	3	2	5
Notomastus hemipodus	0	0	0	1	0	0	0	0
Notomastus americanus	0	0	0	0	1	0	0	0
Mediomastus californiensis	2	3	6	5	8	2	3	3
Axiothella sp. A	1	0	0	1	1	1	1	2
Owenia fusiformis	2	1	0	1	0	0	1	0
Myriochele oculata	1	0	4	4	2	1	2	0
Sabellaria vulgaris	1	0	2	0	7	0	0	5
Amphicteis scaphobranchiata	0	0	0	0	1	0	0	0
Isolda pulchella	1	1	2	2	3	1	3	2
Pista sp.	1	0	0	0	0	0	1	1
Thelepus setosus	0	0	0	0	1	0	0	0
Amaeana trilobata	0	0	2	0	1	1	0	1
Terebellides stroemi	2	4	0	2	4	1	0	0
Sabellidae	0	0	0	0	0	0	0	1
Sabella variegata	0	2	0	0	6	1	0	1
Fabricia sp.	10	8	10	8	7	2	8	3
Serpulidae	0	1	0	0	39	0	0	0
Hydroides crucigera	0	0	0	0	2	0	0	1
Pseudovermiliopsis occidentalis	0	0	0	0	0	0	0	2
Vermiliopsis sp.	0	0	3	0	2	0	0	0
Oligochaeta	7	20	2	7	15	2	0	5
MOLLUSCA								
Alvinia sp.	0	1	0	0	0	0	0	0
Caecum pulchellum	0	0	1	0	0	0	0	0
Caecum nitidum	0	1	0	0	0	1	0	0
Melanella intermedia	0	0	0	0	0	0	0	1
Crepidula sp.	0	2	4	3	0	0	0	0
Zebina browniana	0	0	0	0	2	0	0	0
Columbellidae	0	0	0	1	0	0	0	0
Turbonilla conradi	0	0	0	0	1	0	0	0
Philine sagra	1	0	0	0	0	1	0	0
Nudibranchia	0	2	0	0	0	0	0	0
Polyplacophora	0	2	2	0	0	0	0	0
Aplacophora sp. C	0	0	1	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 52 - 30 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
MOLLUSCA (Continued)								
Bivalvia	0	1	0	0	1	1	1	0
Nucula sp.	0	0	0	0	0	1	0	0
Solemya occidentalis	0	0	0	0	1	1	0	1
Crenella divaricata	0	0	0	0	0	0	0	1
Lima sp.	0	0	0	0	1	0	0	0
Ostreidae	1	1	2	2	2	0	0	2
Diplodonta punctata	1	0	1	0	0	1	0	0
Crassinella lunulata	0	1	0	0	0	0	0	1
Laevicardium mortoni	0	0	0	0	1	0	0	0
Trachycardium egmontianum	0	0	0	1	0	0	0	0
Macoma tenta	0	0	0	0	0	0	1	0
Semele purpurascens	0	0	0	1	0	0	0	0
Gouldia cerina	0	0	1	0	3	0	1	1
ARTHROPODA								
Achelia spinosa	0	0	1	1	1	0	0	0
Phoxichilidium sp.	0	0	0	0	1	0	0	0
Ostracoda-Myodocopa	3	5	5	4	6	1	1	1
Neonesidea gerda	0	1	1	0	0	1	1	0
Paranesidea gigacantha	0	0	0	0	0	1	0	0
Balanus amphitrite	0	0	0	0	3	0	0	2
Balanus amphitrite niveus	0	0	0	0	1	0	0	2
Peracarida-mysidacea	0	0	0	0	0	0	1	1
Bowmaniella portoricensis	0	0	0	0	0	0	0	1
Anchialina typica	0	0	0	1	0	0	0	0
Campylaspis sp. C	0	0	1	0	0	0	0	0
Cumella sp. A	0	0	0	0	0	0	0	1
Cyclaspis cf. unicornis	0	1	0	0	0	0	0	0
Cyclaspis sp. D	2	3	0	0	0	1	0	1
Vaunthompsonia sp. A	1	1	0	0	0	0	0	1
Leptochelia sp. A	1	2	3	2	3	0	0	1
Halmyrapseudes bahamensis	0	0	1	1	1	2	1	1
Apseudes propinquus	1	1	3	1	0	1	0	0
Apseudes sp. I	0	0	0	0	1	0	0	0
Calozodion wadei	1	1	9	3	6	0	3	2
Stenetrium stebbingi	1	0	2	0	14	0	0	5
Panoploea sp. A	0	0	0	0	3	0	0	0
Ampelisca schellenbergi	1	1	7	1	4	1	3	0
Ampithoe sp. A	0	0	0	0	6	0	0	0
Ampelisca sp. B	3	0	4	7	10	2	0	1

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - 30 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Lembos cf. unicornis	0	0	0	0	2	0	0	3
Carinobatea sp. A	0	1	0	0	2	0	0	0
Colomastix sp. A	0	0	0	0	0	0	0	1
Dulichiella appendiculata	0	0	0	0	0	0	0	1
Photis sp. A	0	0	0	0	0	0	0	1
Leucothoe sp. A	0	0	0	0	1	0	0	0
Dulichia sp. A	0	0	0	1	0	0	0	0
Podoceros sp. A	0	0	1	0	0	0	0	0
Melita cf. sp. A	0	0	1	0	0	0	0	2
Luconacia incerta	1	6	0	2	0	0	0	2
Sicyonia cf. brevirostris	0	0	0	0	2	0	0	0
Periclimenes americanus	1	0	1	0	2	0	0	1
Alpheus cf. normanni	0	0	0	0	1	0	0	0
Paguridae	1	0	0	1	0	0	2	0
Pagurus maclaughlinae	0	0	1	0	0	0	0	0
Paguridae sp. A	0	0	0	0	3	0	0	0
Diogenidae	0	0	0	1	0	2	3	1
Paguristes tortugae	0	0	2	0	0	0	0	0
Hypoconcha arcuata	0	1	0	0	0	0	0	0
Ebalia sp.	0	0	0	1	0	0	0	0
Majidae	0	0	1	0	0	0	0	0
Heterocrypta granulata	0	0	0	1	1	1	0	0
Pilumnus sp.	0	0	0	0	1	0	0	1
Euryplax nitida	0	0	0	0	1	0	1	1
Parapinnixa hendersoni	0	0	1	0	0	0	0	1
SIPUNCULA								
Sipuncula	2	0	1	0	0	1	1	1
Siphonosoma sp.	0	1	0	0	0	1	1	0
PRIAPULIDA								
Tubiluchus coralicola	0	2	0	0	0	0	0	0
PHORONIDA								
Phoronis architecta	0	0	0	0	0	0	0	1
ECTOPROCTA								
Ectoprocta	1	1	1	2	2	0	0	0

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 52 - 30 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
BRACHIOPODA								
Glottidia pyramidata	3	2	0	2	0	7	0	0
ECHINODERMATA								
Ophiuroidea-Ophiurida	0	0	1	0	0	0	0	0
Ophiodermatidae	0	0	0	1	0	0	0	0
Ophiactis sp. B	0	0	0	0	3	0	0	0
Ophiactis sp. A	6	4	4	2	7	0	7	4
Amphiodia pulchella	0	0	0	0	1	1	0	0
CHORDATA--Urochordata								
Ascidiacea	0	2	0	1	51	0	0	0
CHORDATA--Vertebrata								
Gobiidae	0	0	0	1	0	1	0	0

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - 75 m From Live Bottom

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
PORIFERA								
Porifera	0	0	0	0	0	0	0	1
CNIDARIA								
Hydrozoa	1	1	1	1	2	1	3	0
Anthozoa	0	0	0	0	0	0	0	1
Anthozoa-Octocorallia	0	1	0	0	0	0	0	0
Zoantharia-Actiniaria	0	0	1	0	1	0	0	3
RHYNCOCOELA								
Rhynchocoela	9	6	5	4	9	12	9	6
ASCHELMINTHES								
Nematoda	35	49	81	34	32	94	59	0
ANNELIDA								
Subadyte pellucida	1	0	0	0	0	0	1	0
Polyodontes lupina	1	0	0	0	0	0	0	0
Pholoe minuta	1	0	0	0	0	0	0	0
Sthenelais sp. A	1	0	0	1	0	0	1	1
Paramphinome sp. B	0	5	0	1	0	0	0	1
Phyllodoce longipes	0	0	0	0	0	0	1	0
Eulalia macroceros	0	1	0	1	0	0	0	0
Gyptis brevipalpa	0	0	0	1	1	0	0	0
Ancistrosyllis hartmanae	0	0	1	0	0	0	0	1
Ancistrosyllis jonesi	1	0	1	0	0	2	0	0
Sigambra bassi	0	0	0	0	0	1	0	0
Autolytus dentalius	0	0	0	0	0	0	0	1
Syllis gracilis	0	0	2	0	0	1	3	2
Trypanosyllis vittigera	0	0	0	0	0	0	0	2
Typosyllis armillaris	0	0	0	0	0	1	0	1
Typosyllis cf. lutea	3	0	1	0	1	0	0	1
Exogone dispar	4	6	1	1	2	3	3	3
Exogone lourei	1	1	1	1	0	0	1	0
Exogone atlantica	0	0	0	0	0	1	0	1
Sphaerosyllis glandulata	0	1	0	0	1	1	2	0
Sphaerosyllis taylori	1	0	1	0	2	1	0	0
Brania sp. A	2	0	0	0	1	0	0	0
Ehlersia cornuta	1	0	8	0	0	9	4	2
Ehlersia ferrugina	0	0	0	0	1	0	0	0

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 52 - 75 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Haplosyllis spongicola	148	0	0	0	0	0	0	0
Odontosyllis enopla	0	1	0	0	0	0	1	0
Branchiosyllis exilis	0	0	0	0	0	0	0	2
Dentatisyllis carolinae	0	0	0	0	0	2	1	0
Neanthes micromma	0	0	1	1	0	0	0	0
Nereis riisei	4	3	3	0	1	1	3	0
Steninonereis martini	0	0	0	0	0	0	1	0
Nephtys incisa	0	0	0	0	0	0	0	1
Aglaophamus verrilli	1	0	0	0	0	0	0	0
Sphaerodoropsis sp.	0	0	0	0	0	1	0	0
Goniada sp. A	0	2	0	0	0	0	0	0
Goniadides carolinae	0	0	0	0	0	0	3	0
Diopatra cuprea	0	0	0	0	0	1	0	1
Mooreonuphis nebulosus	2	1	1	1	1	1	2	0
Eunice vittata	2	1	1	0	2	0	1	1
Lumbrineris ernesti	0	1	0	0	0	0	0	0
Lumbrineris coccinea	0	0	0	0	0	1	0	0
Lumbrineris candida	0	1	0	0	0	1	1	0
Arabella mutans	1	0	0	0	0	0	0	1
Schistomeringos rudolphi	1	2	1	0	0	0	4	0
Pettiboneia sp. A	1	4	2	1	0	3	0	2
Scoloplos rubra	2	0	0	0	0	0	0	1
Aricidea catherinae	0	0	1	0	0	0	0	1
Aricidea fragilis	4	3	2	1	2	3	4	3
Aricidea taylori	0	0	1	2	0	0	1	0
Aricidea sp. C	0	0	1	0	1	0	0	0
Cirrophorus lyra	2	0	1	2	2	7	7	7
Polydora sp.	0	1	0	0	0	0	0	0
Polydora sp. A	0	0	1	1	2	0	0	1
Prionospio cirrifera	0	0	0	0	0	3	2	4
Prionospio cristata	0	1	0	0	0	1	2	1
Scolecolepides viridis	0	0	0	0	0	0	0	1
Spio pettiboneae	0	0	1	0	0	1	0	0
Paraprionospio pinnata	2	1	0	0	0	0	1	0
Scolelepis sp.	1	0	0	0	0	0	0	0
Magelona sp. A	2	1	1	0	0	1	1	0
Cirratulidae	0	0	0	0	0	4	0	0
Cirratulus sp.	0	0	0	0	0	1	0	0
Tharyx annulosus	2	1	0	1	0	2	1	0
Chaetozone setosa	2	0	0	0	0	1	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - 75 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Armandia maculata	9	1	4	1	2	4	2	5
?Notomastus sp.	0	1	0	1	0	0	0	0
Notomastus hemipodus	1	0	0	0	0	0	0	0
Mediomastus californiensis	4	8	9	9	6	7	11	3
Anotomastus sp.	1	0	0	0	0	0	0	0
Axiothella sp. A	9	3	6	1	5	7	11	3
Owenia fusiformis	1	0	1	2	1	1	2	0
Myriochele oculata	0	2	2	0	0	0	0	0
Sabellaria vulgaris	1	0	0	0	0	1	1	0
Isolda pulchella	3	0	0	2	3	2	2	1
Terebellidae	2	0	0	1	0	0	0	0
Loimia medusa	0	0	0	0	0	0	1	0
Amaeana trilobata	1	0	0	0	0	1	0	1
Terebellides stroemi	0	0	0	0	0	1	2	0
Sabellidae	1	1	0	1	0	0	1	0
Sabella variegata	0	0	0	0	0	1	1	0
Fabricia sp.	9	22	24	6	27	15	16	5
Serpulidae	0	0	2	0	0	18	63	0
Hydroides crucigera	0	0	0	0	0	2	1	0
Vermiliopsis sp.	1	0	0	0	0	1	2	0
Boguea sp.	0	0	0	0	0	1	0	0
Eulepethidae	0	1	0	1	0	0	1	0
Oligochaeta	3	10	12	6	18	28	10	9
MOLLUSCA								
Schwengelia sp.	0	0	0	0	0	0	1	0
Melanella conoidea	0	0	0	0	0	0	0	1
Crepidula sp.	2	0	0	2	0	2	0	0
Murex sp.	0	0	0	0	0	0	0	1
Turridae	0	2	1	2	0	0	1	0
Turbonilla sp.	0	3	0	1	1	0	0	2
Acteocina canaliculata	0	0	1	0	0	0	2	0
Atys caribaea	0	1	0	0	0	0	1	0
Nudibranchia	0	0	0	0	0	0	1	0
Polyplacophora	0	0	0	0	0	0	0	1
Aplacophora sp. A	1	0	1	0	0	0	0	0
Bivalvia	0	0	0	0	0	0	0	2
Nucula sp.	0	3	0	1	0	0	1	3
Solemya occidentalis	0	2	0	0	0	2	2	0
Arca zebra	0	1	0	0	1	0	1	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - 75 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
MOLLUSCA (Continued)								
Crenella divaricata	1	0	1	0	1	1	0	1
Ostreidae	1	1	1	0	0	1	1	0
Lucina sp.	0	1	0	0	1	0	1	0
Diplodonta punctata	1	0	0	1	0	0	0	4
Crassinella lunulata	0	1	1	0	0	1	1	4
Mulinia lateralis	0	0	0	0	0	1	0	0
Semele bellastriata	0	0	0	0	1	0	0	0
Semele purpurascens	0	0	0	0	0	0	1	0
Pitar fulminatus	0	0	0	0	0	1	0	0
Macrocallista maculata	0	0	0	0	0	1	0	0
Gouldia cerina	0	0	0	0	0	1	0	1
Chione cancellata	0	0	0	0	0	0	1	0
Corbula contracta	0	0	0	0	0	1	0	0
Lyonsia hyalina floridana	1	0	0	0	0	0	0	0
Bushia elegans	0	0	0	0	0	0	0	1
Dentalium laqueatum	0	2	1	0	0	0	0	0
ARTHROPODA								
Achelia spinosa	0	0	0	0	0	2	0	0
Ostracoda-myodocopa	15	3	5	5	4	6	6	9
Neonesidea gerda	0	0	0	0	0	1	1	0
Mysidopsis furca	0	0	0	0	0	0	0	1
Bowmaniella portoricensis	0	2	0	0	1	0	0	0
Anchialina typica	0	2	0	0	0	1	1	0
Oxyurostylis sp. A	1	0	0	0	0	0	0	0
Cumella sp. A	2	1	0	0	0	0	0	1
Cyclaspis cf. unicornis	1	0	0	0	0	0	0	0
Cyclaspis sp. A	1	1	0	0	0	0	0	2
Cyclaspis sp. D	3	1	0	1	2	3	3	5
Vaunthompsonia sp. A	1	0	0	0	0	0	0	0
Leptochelia sp. A	1	2	1	1	0	4	0	2
Leptochelia sp. B	0	0	0	0	0	0	1	0
Halmyrapseudes bahamensis	2	0	0	0	0	1	1	0
Apseudes propinquus	0	0	0	0	1	0	0	0
Calozodion wadei	1	0	1	0	0	0	4	1
Rocinela signata	0	0	0	0	0	0	0	1
Stenetrium stebbingi	0	0	0	0	0	0	0	1
Ampelisca schellenbergi	1	0	0	0	0	0	0	0
Ampelisca sp. B	9	5	5	6	9	4	13	4
Aoridae	0	1	0	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - 75 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Lembos sp.	0	0	1	0	0	0	0	5
Lembos sp. A	0	0	0	0	0	3	0	0
Argissa cf. *hamatipes*	0	0	0	0	1	0	0	0
Carinobatea sp. A	0	0	0	0	0	0	0	3
Colomastix sp. A	0	0	0	0	0	0	0	3
Ericthonius brasiliensis	0	0	0	0	0	0	2	0
Dulichiella appendiculata	1	0	0	0	0	0	0	0
Photis cf. *pugnator*	0	0	0	0	2	3	2	0
Photis sp. A	0	0	1	3	0	0	0	0
Leucothoe sp. A	1	0	0	0	0	0	0	2
Eudevenopus honduranus	0	0	0	0	0	1	0	0
Dulichia sp. A	0	0	0	0	0	1	0	0
Podoceros sp. A	0	1	0	0	0	0	1	0
Megaluropus sp. A	0	0	0	0	2	1	0	0
Corophiodea sp. A	0	1	0	1	0	0	0	0
Luconacia incerta	0	2	4	0	0	7	0	0
Sicyonia cf. *brevirostris*	0	0	0	0	0	1	0	0
Leptochela sp.	1	0	0	0	0	0	0	0
Leptochela serratorbita	0	0	1	0	0	0	0	0
Pericimenes americanus	2	0	0	0	0	0	0	1
Alpheus cf. *normanni*	0	0	0	0	0	0	0	1
Thor manningi	1	0	0	0	0	0	0	0
Processa vicina	0	0	0	2	0	0	0	0
Paguridae sp. I	0	0	1	1	0	0	0	0
Paguristes tortugae	0	0	0	0	1	0	0	0
Diogenidae sp. A	0	0	0	0	0	0	4	0
Ebalia cariosa	0	0	1	0	0	0	0	0
Batrachonotus fragosus	0	0	0	1	0	0	0	0
Xanthidae	1	0	0	0	0	0	0	0
Speocarcinus lobatus	0	0	0	0	0	1	0	0
Goneplacidae sp. A	0	0	0	1	Q	0	1	0
Pinnixa sp. A	0	0	1	0	2	0	0	0
SIPUNCULA								
Sipuncula	1	0	0	0	0	0	1	0
Siphonosoma sp.	0	0	1	0	0	1	0	0
Phascolion sp.	0	0	0	0	0	0	0	1
Paraspidosiphon sp.	0	1	2	0	0	2	1	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 52 - 75 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
PRIAPULIDA								
Tubiluchus coralicola	1	0	0	0	1	2	0	2
PHORONIDA								
Phoronis architecta	1	3	0	0	2	3	2	1
ECTOPROCTA								
Ectoprocta	0	1	0	0	1	1	1	0
Selenaria sp.	0	0	0	0	0	0	0	1
BRACHIOPODA								
Glottidia pyramidata	1	0	0	2	2	3	2	0
ECHINODERMATA								
Asteroidea-Forcipulatida	0	0	0	1	0	0	0	0
Ophiuroidea-Ophiurida	0	0	0	0	0	1	0	0
Ophiactis sp.	0	0	0	1	0	1	0	0
Ophiactis sp. A	2	0	0	0	0	0	1	14
Amphiodia pulchella	0	0	0	0	1	0	0	0
Holothuroidea	1	0	0	0	0	0	0	0
Crinoidea	0	0	1	0	0	0	0	0
CHORDATA--Urochordata								
Ascidiacea	0	0	1	0	0	0	1	0
CHORDATA--Cephalochordata								
Branchiostoma caribaeum	0	0	0	0	0	1	0	0
CHORDATA--Vertebrata								
Gobiidae	0	0	0	0	0	0	0	1

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 53

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
CNIDARIA								
Hydrozoa	0	2	0	1	0	2	0	0
Zoantharia-Actiniaria	0	0	2	0	1	1	0	0
PLATYHELMINTHES								
Turbellaria-Polycladida	0	0	1	0	0	1	0	0
RHYNCOCOELA								
Rhynchocoela	6	11	17	13	13	7	14	8
ASCHELMINTHES								
Nematoda	111	70	87	49	19	24	95	57
ANNELIDA								
Polynoidae genus D	0	0	0	2	0	0	2	2
Paleanotus sp. A	0	0	0	2	0	0	0	0
Paramphinome sp. B	0	1	1	1	0	0	0	3
Phyllodoce castanea	0	1	0	0	0	0	0	0
Gyptis brevipalpa	0	2	1	2	0	0	0	1
Sigambra tentaculata	0	0	0	0	0	1	0	0
Syllis gracilis	0	0	2	0	1	0	0	0
Typosyllis cf. lutea	1	4	5	5	2	4	0	2
Exogone dispar	4	5	5	4	2	4	0	2
Exogone lourei	0	1	0	0	0	0	0	2
Exogone atlantica	1	0	0	0	0	2	0	2
Sphaerosyllis glandulata	0	2	0	0	0	0	0	2
Sphaerosyllis taylori	2	0	4	1	0	1	2	1
Brania n. sp.	1	1	2	0	0	0	1	1
Ehlersia cornuta	4	0	3	3	0	0	6	3
Ehlersia ferrugina	3	3	1	1	1	1	0	0
Odontosyllis enopla	0	0	0	1	0	0	0	0
Ceratonereis irritabilis	1	0	0	0	0	0	0	0
Nereis riisei	4	8	0	5	5	4	5	4
Ceratocephale oculata	0	1	0	0	0	0	0	0
Nephtys simoni	1	0	1	0	0	1	0	0
Sphaerodoropsis sp.	0	0	1	0	0	0	0	0
Glycera americana	0	0	0	0	0	0	0	1
Onuphidae	9	7	0	4	0	0	1	5
Diopatra cuprea	0	0	1	2	0	0	0	1
Mooreonuphis nebulosus	3	1	0	1	0	1	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 53 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Eunice vittata	3	0	0	5	2	2	0	1
Lumbrineris latreilii	0	0	0	0	0	0	0	1
Lumbrineris ernesti	0	1	0	0	0	0	0	0
Lumbrineris verrilli	6	3	3	10	3	13	3	6
Lumbrineris candida	1	0	0	0	0	0	0	0
Drilonereis longa	0	0	0	0	0	0	0	1
Schistomeringos rudolphi	3	1	2	6	0	5	1	2
Pettiboneia sp. A	4	2	8	4	3	0	0	4
Scoloplos rubra	0	0	0	0	0	0	1	1
Aricidea catherinae	0	1	1	1	1	0	2	0
Aricidea fragilis	3	1	2	3	5	1	1	0
Aricidea taylori	1	1	3	1	0	0	1	3
Cirrophorus americanus	11	8	7	8	7	1	2	10
Polydora sp. A	0	0	0	0	0	1	0	0
Prionospio cirrifera	0	0	0	1	2	0	0	0
Prionospio steenstrupi	0	0	0	0	0	0	1	0
Scoletepis texana	1	0	0	0	2	0	0	1
Magelona sp. A	0	0	1	1	0	0	0	0
Cirratulus sp. A	7	8	5	0	3	1	1	1
Caulleriella alata	1	3	3	0	1	0	0	1
Tharyx annulosus	3	3	2	12	2	4	1	9
Chaetozone setosa	0	1	0	1	0	0	0	2
Armandia maculata	0	0	0	2	1	0	0	0
Notomastus hemipodus	0	0	0	0	0	1	0	1
Notomastus americanus	0	1	1	1	1	0	0	0
Mediomastus californiensis	31	29	15	12	10	3	3	33
Barantolla cf. lepte	2	0	0	0	0	0	0	0
Axiothella sp. A	9	16	11	11	2	6	3	13
Owenia fusiformis	0	1	0	1	1	2	1	1
Myriochele oculata	7	7	2	5	0	3	2	3
Pectinaria gouldii	0	0	0	1	0	0	0	0
Amphicteis scaphobranchiata	1	0	0	0	0	0	0	0
Isolda pulchella	5	2	3	0	1	1	1	2
Polycirrus sp.	0	1	0	0	0	1	0	1
Thelepus setosus	0	0	1	0	0	0	0	0
Loimia medusa	0	0	0	0	1	0	0	0
Amaeana trilobata	1	0	1	0	0	0	1	1
Terebellides stroemi	0	0	1	0	0	1	0	0
Sabellidae	0	0	2	1	0	0	0	0
Chone americana	0	0	0	0	0	1	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 53 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Sabella variegata	0	0	0	2	0	0	0	0
Fabricia sp.	38	30	27	10	4	10	26	18
Serpulidae	0	1	0	0	0	3	0	0
Hydroides crucigera	0	0	1	1	0	1	0	0
Vermiliopsis sp. A	0	0	2	0	0	0	0	0
Oligochaeta	24	21	13	11	11	2	21	44
MOLLUSCA								
Gastropoda	1	0	0	0	0	0	0	0
Caecum nitidum	0	0	0	0	0	0	1	0
Melanella conoidea	0	0	0	0	0	2	0	0
Crepidula sp.	1	2	3	2	1	3	0	1
Murex rubidus	0	0	0	0	1	0	0	0
Turbonilla sp.	0	1	0	0	0	0	0	0
Volvulella persimilis	1	0	0	0	0	0	0	0
Acteocina canaliculata	0	1	0	0	0	1	0	0
Nudibranchia	0	0	1	0	0	1	0	0
Polyplacophora	0	0	0	0	0	1	0	0
Nucula proxima	0	1	1	0	0	1	1	0
Solemya occidentalis	1	1	0	0	0	5	0	0
Crenella divaricata	0	1	0	0	0	0	1	0
Lucina sp.	3	3	0	0	0	2	0	0
Lucina nassula	1	0	0	1	0	0	1	0
Linga amiantus	0	1	0	1	0	0	0	0
Linga pensylvanica	0	1	0	1	0	0	0	0
Dosinia discus	0	0	0	1	0	0	0	0
Diplodonta punctata	0	0	0	0	0	0	2	0
Myselia planulata	0	0	0	1	0	0	1	0
Eucrassatella speciosa	1	0	0	0	0	0	0	0
Crassinella lunulata	0	0	0	1	0	0	0	0
Mactra fragilis	0	0	0	1	0	0	0	0
Tellidora cristata	0	1	0	1	0	0	0	0
Pitar fulminatus	1	0	0	0	0	1	1	0
Macrocallista maculata	0	0	0	0	0	0	0	1
Chione cancellata	1	0	0	0	0	0	0	1
Dentalium laqueatum	0	0	0	0	0	1	0	0
ARTHROPODA								
Ostracoda-Myodocopa	2	14	9	13	10	18	19	9
Neonesidea gerda	3	0	0	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 53 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Bowmaniella portoricensis	2	1	0	1	0	0	0	0
Anchialina typica	1	0	0	2	0	0	0	1
Oxyurostylis sp. A	0	0	0	0	1	1	0	1
Cumella sp. B	2	4	2	3	4	1	1	1
Cumella sp. A	3	2	2	3	1	0	0	3
Cyclaspis sp. D	0	1	3	3	0	0	0	1
Cyclaspis sp. B	0	1	0	0	0	0	0	0
Cyclaspis sp. A	0	0	1	2	0	1	1	0
Vaunthompsonia sp. A	1	0	0	0	0	0	0	0
Leptochelia sp. A	1	14	24	26	20	27	9	23
Halmyrapseudes bahamensis	0	1	0	2	0	0	0	1
Calozodion wadei	0	3	0	0	0	0	0	1
Serolis mgrayi	0	2	1	0	0	0	3	0
Edotea montosa	0	1	0	0	0	0	0	0
Ampelisca n. sp. (nr. cristoides)	1	0	1	0	0	0	0	0
Ampelisca sp. B	6	5	9	0	8	7	4	12
Amphilochus sp. A	0	0	1	0	0	0	0	0
Lembos sp.	0	0	1	0	3	2	0	0
Microdeutopus myersi	0	1	0	0	0	3	0	0
Acuminodeutopus naglei	0	0	0	0	1	0	0	0
Grandidierella-like sp. A	0	0	0	0	0	1	0	1
Corophium sp. B	0	0	1	0	1	0	1	3
Erichthonius brasiliensis	0	0	1	1	0	0	0	0
Photis cf. pugnator	1	2	0	0	3	4	0	1
Photis sp. A	0	0	1	0	0	0	0	0
Chevalia mexicana	0	0	0	0	1	0	0	12
Eudevenopus honduranus	0	1	0	0	0	0	0	0
Dulichia sp. A	0	0	0	0	0	0	1	0
Podoceros sp. A	0	1	0	1	1	2	0	0
Stenothoe sp. A	0	0	0	0	0	1	0	0
Megaluropus sp. A	0	1	1	5	4	1	0	2
Corophiodea sp. A	0	0	0	0	4	1	3	0
Corophiodea sp. B	1	1	2	0	0	0	0	1
Corophiodea sp. C	0	0	0	4	2	6	0	0
Luconacia incerta	0	2	0	0	0	1	1	1
Synalpheus cf. townsendi	0	0	0	1	0	0	0	0
Latreutes parvulus	2	2	1	0	0	0	0	0
Processa cf. bermudensis	0	0	5	0	0	0	0	0
Paguridae	0	1	0	0	0	0	0	0
Paguridae sp. B	0	0	0	0	0	1	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 53 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Paguristes nr. *lymani*	0	0	0	0	1	0	0	0
Portunus sp.	1	0	0	0	0	0	0	0
Micropanope sp. A	0	0	1	0	0	1	0	0
Pinnixa sp. A	0	0	0	1	0	0	2	0
SIPUNCULA								
Sipuncula	0	1	0	0	1	1	0	1
Siphonosoma sp.	0	0	0	0	1	0	0	0
Phascolion sp.	0	1	0	1	0	0	0	0
Paraspidosiphon sp.	0	0	0	1	0	0	0	0
ECHIURA								
Echiura	0	0	1	0	0	0	0	0
PHORONIDA								
Phoronis architecta	1	0	0	0	0	1	0	0
ECTOPROCTA								
Ectoprocta	0	1	1	0	0	1	0	0
Selenaria sp.	0	1	0	0	0	0	1	0
BRACHIOPODA								
Glottidia pyramidata	0	0	1	0	0	1	0	0
ECHINODERMATA								
Ophiactis sp. A	0	1	0	0	0	0	0	0
Amphiuridae	1	0	0	3	1	0	0	0
Amphiodia pulchella	0	0	0	2	6	0	3	3
Amphioplus abditus	0	0	0	0	0	0	2	0
Ophiostigma isocantha	0	0	0	1	0	0	0	0
Ophiostigma isocantha	0	0	0	1	0	0	0	0
Lytechinus variegatus carolinus	0	0	0	0	0	1	0	0
CHORDATA--Urochordata								
Ascidiacea	0	2	0	0	0	0	0	0
Molgulidae	0	0	0	0	0	2	2	1

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 54

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
RHYNCOCOELA								
Rhynchocoela	11	4	10	0	9	8	6	10
ASCHELMINTHES								
Nematoda	17	18	4	5	8	21	11	50
ANNELIDA								
Paramphinome sp. B	3	1	1	0	0	0	0	2
Gyptis brevipalpa	0	0	0	0	0	0	0	1
Ancistrosyllis sp. A	0	0	0	1	1	0	1	0
Sigambra tentaculata	1	0	0	0	0	1	1	0
Syneimis albini	5	0	0	5	1	1	1	1
Exogone dispar	0	1	1	1	0	1	0	0
Sphaerosyllis taylori	0	2	0	0	0	2	0	0
Ehlersia ferrugina	1	0	0	1	0	0	0	0
Neanthes micromma	7	3	4	5	5	6	4	5
Ceratocephale oculata	10	2	1	8	6	9	2	1
Aglaophamus verrilli	0	0	0	0	1	0	0	0
Glycera americana	0	0	0	0	1	0	0	0
Mooreonuphis nebulosus	2	2	2	0	0	4	0	2
Lumbrineris ernesti	0	0	0	0	0	0	1	0
Lumbrineris verrilli	5	2	3	14	7	18	13	6
Arabella mutans	1	0	0	0	0	0	0	0
Scoloplos rubra	0	2	0	0	0	3	2	0
Aricidea wassi	1	0	1	1	0	3	0	0
Aricidea catherinae	0	1	0	2	0	2	1	1
Aricidea fragilis	3	2	2	3	4	5	3	6
Aricidea philbinae	0	0	0	0	1	0	0	0
Aricidea taylori	0	0	1	0	2	1	1	3
Cirrophorus americanus	5	2	2	2	0	4	2	2
Prionospio cirrifera	1	0	0	1	0	0	0	2
Prionospio cristata	2	0	0	2	1	5	3	2
Paraprionospio pinnata	3	1	4	2	0	2	3	3
Tharyx annulosus	0	0	1	0	0	0	1	0
Notomastus americanus	2	2	0	1	3	2	1	3
Mediomastus californiensis	4	0	0	9	2	7	1	5
Axiothella sp. A	0	0	0	0	1	0	0	0
Owenia fusiformis	0	1	0	0	0	1	0	0
Myriochele oculata	6	4	2	1	2	1	0	5
Isolda pulchella	0	0	1	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: 11 (December 1982)
STATION: 54 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Ampharetidae genus B	0	0	0	0	0	0	0	1
Pista sp.	0	0	0	1	0	0	1	0
Polycirrus sp.	1	0	0	0	0	0	1	0
Amaeana trilobata	0	0	0	0	0	0	0	1
Terebellides stroemi	3	0	1	0	0	1	1	0
Megalomma bioculatum	0	2	0	1	0	0	0	0
Fabricia sp.	16	9	3	12	4	11	7	10
Oligochaeta	42	13	4	14	22	25	25	51
MOLLUSCA								
Gastropoda	0	0	0	0	0	1	0	0
Caecum pulchellum	0	0	0	1	0	0	0	0
Crepidula sp.	0	0	0	1	0	1	1	0
Natica pusilla	0	0	0	1	0	0	0	0
Olivella sp.	0	0	0	0	0	0	1	0
Turbonilla sp.	0	0	0	1	0	0	0	0
Haminoea succinea	0	0	1	0	0	1	0	0
Volvulella persimilis	0	1	0	0	0	0	1	0
Nucula proxima	0	3	1	0	1	1	1	2
Solemya occidentalis	0	0	0	0	0	0	2	0
Arcopsis adamsi	1	0	0	0	0	0	0	1
Lucina sp.	2	2	0	3	2	1	3	4
Anodontia alba	0	0	0	0	0	0	1	0
Linga amiantus	3	2	5	6	6	4	6	6
Diplodonta punctata	0	1	0	1	0	0	0	0
Macoma sp.	0	0	0	0	0	0	0	1
Macoma tenta	1	0	0	0	0	0	0	0
Tellina sp.	6	1	1	5	6	3	3	0
Tellina martinicensis	0	0	0	0	1	0	0	0
Tellina texana	1	0	2	3	2	1	0	2
Tagelus plebeius	0	0	0	0	1	0	0	0
Chione cancellata	0	1	0	1	0	0	0	0
Corbula contracta	0	0	0	1	2	0	0	0
Pandora sp.	0	0	0	0	0	0	0	2
Cardiomya sp.	1	0	0	0	0	0	0	0
Dentalium texasianum	1	5	4	0	3	0	1	8
ARTHROPODA								
Ostracoda-Myodocopa	9	0	5	8	2	7	9	2
Peracarida-Mysidacea	0	0	0	0	0	1	0	0

INFAUNAL ABUNDANCE

CRUISE: II (December 1982)
STATION: 54 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Bowmaniella portoricensis	0	0	0	0	0	0	0	2
Leucon sp. A	0	0	0	1	0	0	0	0
Oxyurostylis sp. A	0	0	0	1	0	1	0	0
Cumella sp. A	1	0	0	0	1	0	0	0
Cyclaspis sp. D	0	1	0	1	0	0	1	0
Leptochelia sp. A	1	0	0	0	0	0	0	0
Leptochelia sp. B	0	0	0	0	0	2	1	0
Ampelisca sp. B	0	0	0	1	0	0	0	0
Ampelisca sp. C	0	1	0	0	0	0	1	1
Acuminodeutopus nagiei	0	0	0	1	0	0	0	0
Photis cf. *melanicus*	1	0	0	0	1	0	0	1
Listriella sp. B	0	0	0	0	0	0	0	1
Synchelidium americanum	0	1	0	0	0	1	1	0
Luconacia incerta	0	0	0	0	0	0	0	1
Penaeidae	0	0	0	0	1	0	0	0
Leptochela serratorbita	0	0	0	1	0	1	0	0
Alpheus cf. *normanni*	0	0	0	0	1	0	0	0
Processa hemphilli	0	1	0	0	0	0	0	0
Upogebia sp. B	0	0	0	0	0	0	0	1
Paguridae sp. B	0	0	0	0	0	0	0	1
Pinnixa sp. B	0	0	0	0	0	2	0	0
SIPUNCULA								
Sipuncula	1	0	0	0	0	1	0	0
PHORONIDA								
Phoronis architecta	4	4	13	1	7	7	2	11
ECTOPROCTA								
Ectoprocta	0	0	0	0	0	1	0	0
ECHINODERMATA								
Ophiuroidea-Ophiurida	0	1	0	0	0	1	0	0
Axiognathus squamata	0	0	0	0	0	0	0	1

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 40

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
CNIDARIA								
Hydrozoa	1	0	0	0	0	0	0	0
RHYNCOCOELA								
Rhynchocoela	1	0	1	8	5	3	3	3
ANNELIDA								
Polynoidae genus E	0	0	0	0	1	0	0	0
Phyllodocidae	0	0	0	1	0	0	0	0
Phyllodoce arenae	0	0	1	1	0	0	0	0
Sigambra tentaculata	1	2	0	0	0	0	1	0
Syllis gracilis	1	0	0	0	0	0	0	0
Exogone dispar	0	0	0	1	0	0	0	0
Ehlersia cornuta	0	0	0	0	0	0	1	0
Nephtyidae	2	0	1	1	0	1	2	0
Nephtys picta	0	0	0	0	0	1	0	0
Nephtys simoni	0	0	0	1	0	0	0	0
Aglaophamus verrilli	1	2	2	3	5	2	1	4
Glycera sp.	1	0	0	0	0	0	1	0
Goniada maculata	2	5	2	4	2	1	6	0
Lumbrineris ernesti	0	1	0	0	1	0	0	0
Aricidea fragilis	0	1	1	0	0	0	0	0
Aricidea taylori	1	1	0	0	0	1	2	0
Aricidea cf. alisdairi	0	0	0	0	1	0	0	0
Cirrophorus americanus	1	2	0	0	0	0	0	2
Spionidae	1	1	3	0	2	2	1	1
Spiophanes bombyx	0	0	0	0	0	1	0	0
Spiophanes berkeleyorum	0	0	3	0	0	0	1	1
Apoprionospio pygmaea	0	0	0	0	0	0	1	0
Magelona cf. cornuta	0	0	0	0	1	1	0	0
Magelona pettiboneae	0	2	3	0	1	0	1	3
Poecilochaetus johnsoni	0	0	0	0	0	1	0	1
Spiochaetopterus oculatus	0	0	0	0	0	0	0	1
Tharyx annulosus	0	0	1	0	0	0	0	0
Armandia maculata	5	1	0	0	6	1	3	2
Notomastus hemipodus	1	0	0	1	0	0	0	0
Mediomastus sp.	2	2	3	6	1	1	3	0
Euclymene sp. B	0	0	0	1	0	0	0	0
Owenia fusiformis	0	0	0	0	0	0	1	0
Myriochele oculata	0	1	1	1	0	2	0	3

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 40 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Serpulidae	0	1	0	0	0	0	1	0
Oligochaeta	1	0	0	0	0	0	0	0
MOLLUSCA								
Strombiformis hemphilli	0	0	0	1	0	0	0	0
Natica pusilla	2	2	1	2	1	0	1	0
Columbellidae	0	0	0	0	1	0	0	0
Olivella pusilla	0	0	0	1	0	0	0	0
Turbonilla conradi	4	4	2	0	1	0	1	0
Haminoea succinea	0	0	0	0	0	2	0	0
Volvulella persimilis	4	1	1	0	1	1	1	4
Acteocina canaliculata	1	0	0	0	1	0	0	0
Cresels sp.	0	3	0	0	0	0	0	0
Lucina sp.	3	5	1	1	4	6	5	1
Lucina nassula	0	0	1	0	0	0	0	0
Anodontia alba	0	1	0	0	0	0	0	2
Dosinia discus	1	1	0	0	0	0	0	0
Diplodonta punctata	0	0	1	0	0	0	0	0
Laevicardium sp.	1	1	0	0	0	0	0	0
Tellina versicolor	1	3	3	0	4	2	1	3
ARTHROPODA								
Ostracoda-Myodocopa	2	4	2	8	3	2	5	2
Parasterope pollex	0	0	1	0	1	0	2	0
Ostracoda-Podocopa	1	2	2	0	1	2	0	3
Crustacea-Copepoda	1	0	0	0	2	24	0	3
Mysidopsis furca	0	0	2	0	1	0	1	0
Bowmaniella sp.	0	2	0	2	2	1	1	0
Oxyurostylis smithi	0	1	0	0	0	0	0	1
Cyclaspis cf. unicornis	0	1	0	0	0	0	0	0
Cyclaspis sp. A	2	0	1	1	2	2	1	1
Listriella cf. barnardi	0	0	0	0	1	0	0	0
Synchelidium cf. americanum	0	0	0	1	0	1	1	0
Metharpinia floridana	0	0	0	0	0	0	2	0
Penaeidae	0	0	0	1	0	0	0	0
Leptochela serratorbita	0	1	0	0	0	1	0	0
Brachyura sp. (juvenile)	0	0	0	1	0	0	0	0
Portunus cf. gibbesii	0	0	1	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 40 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No.							
	1	2	3	4	5	6	7	8
SIPUNCULATA								
Sipunculus sp.	0	0	0	0	1	0	0	1
Paraspidosiphon sp.	0	0	0	0	0	1	0	0
BRACHIOPODA								
Glottidia pyramidata	0	0	0	0	0	1	1	0
ECHINODERMATA								
Asteroidea-Forcipulatida	0	0	1	0	0	0	0	0
Amphiuridae	0	0	1	1	0	0	0	0
Echinoidea	0	0	3	1	0	0	0	0

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 41

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
PORIFERA								
Porifera	0	1	0	0	0	0	0	0
CNIDARIA								
Actiniaria-Athenaria	1	0	0	0	1	0	0	0
RHYNCOCOELA								
Rhynchocoela	6	20	0	26	12	31	0	33
ASCHELMINTHES								
Nematoda	165	299	574	388	453	464	252	408
ANNELIDA								
Pholoe minuta	0	3	1	1	0	1	3	0
Sigalion exigua	0	0	0	0	1	0	1	0
Pisione remota	0	1	1	0	0	0	0	0
Phyllodoce arenae	1	2	0	2	1	0	0	0
Phyllodoce castanea	0	1	0	0	0	0	0	0
Eteone heteropoda	0	0	0	0	1	0	0	0
Hesionura elongata	0	0	0	2	1	2	0	3
Heteropodarke sp. A	1	1	0	0	1	1	1	1
Ancistrosyllis hartmanae	3	0	0	1	1	1	3	0
Synelmis albini	0	0	1	0	0	0	0	0
Pionosyllis gesae	0	0	0	0	0	3	0	3
Exogone lourei	1	1	2	4	2	1	0	1
Sphaerosyllis sp.	0	3	0	4	1	1	0	1
Brania n. sp.	0	1	0	1	0	1	0	0
Streptosyllis pettiboneae	0	0	0	0	0	1	0	0
Parapionosyllis longicirrata	0	1	0	2	0	3	0	0
Plakosyllis quadrioculata	0	0	0	2	0	2	0	0
Dentatisyllis carolinae	0	0	0	0	0	1	0	0
Nereidae	0	0	0	0	0	0	0	2
Nephtys simoni	3	4	4	9	2	7	1	4
Glyceridae	2	0	1	6	7	9	2	4
Glycera sp. C	0	1	2	1	0	0	2	1
Goniadides carolinae	6	40	13	29	23	31	17	10
Onuphidae	2	8	6	6	6	3	2	1
Onuphis sp.	0	0	0	0	0	0	1	0
Mooreonuphis nebulosus	2	1	1	0	0	4	1	1
Eunicidae	1	1	2	2	0	2	0	0

INFAUNAL ABUNDANCE

CRUISE: 111 (May-June 1983)
STATION: 41 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Lumbrineris latreilli	0	0	1	0	0	0	0	0
Protodorvillea kefersteini	0	0	2	3	3	3	2	3
Scoloplos rubra	0	0	0	1	0	1	0	0
Aricidea cerrutii	0	0	0	0	0	1	0	0
Cirrophorus americanus	0	0	2	2	3	2	0	1
Spionidae	0	0	0	0	0	5	0	0
Prionospio cristata	3	0	1	6	2	4	0	1
Spio pettiboneae	0	0	0	3	0	2	0	0
Spiophanes bombyx	1	1	0	0	0	0	0	0
Paraprionospio pinnata	0	0	0	0	1	0	0	0
Magelona sp. A	1	0	0	0	0	0	0	0
Magelona pettiboneae	0	0	0	0	0	0	1	0
Magelona riojai	0	0	0	0	0	0	1	0
Poecilochaetus johnsoni	0	1	0	1	1	2	1	0
Spiochaetopterus oculatus	0	0	1	0	0	1	1	0
Armandia maculata	4	7	11	7	12	14	4	6
Mediomastus sp.	1	0	1	0	2	1	0	1
Axiothella sp. A	1	0	0	1	0	3	0	0
Owenia fusiformis	2	0	1	2	3	2	0	0
Myriochele oculata	21	15	18	32	17	20	5	10
Ampharetidae genus B	1	0	0	0	0	0	0	0
Pista sp.	0	1	0	4	2	2	1	0
Sabellidae	0	1	1	1	0	0	0	1
Fabricia sp.	1	2	1	3	0	1	1	1
Hydroides protulicola	1	0	1	0	0	0	0	0
Oligochaeta	15	9	3	7	7	8	0	7
MOLLUSCA								
Gastropoda	2	1	3	0	0	0	1	0
Melanellidae	0	0	0	0	0	0	1	0
Strombiformis hemphilli	0	1	0	0	0	0	0	0
Natica pusilla	1	0	0	0	2	0	0	1
Zebina browniana	1	0	0	0	0	0	0	0
Mitrella lunata	2	2	0	0	1	1	0	0
Nassarius albus	1	0	0	2	0	0	0	0
Turridae	0	0	0	0	0	1	0	0
Odostomia sp.	0	0	2	1	1	0	0	0
Turbonilla conradi	1	0	0	1	0	0	1	0
Acteon punctostriatus	2	0	1	1	1	0	1	0
Haminoea succinea	1	2	1	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 41 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
MOLLUSCA (Continued)								
Acteocina canaliculata	2	7	7	0	3	2	4	0
Aplacophora sp. E	0	0	0	0	0	1	0	0
Bivalvia	2	0	0	1	5	0	0	0
Nucula crenulata	0	0	0	0	0	0	0	1
Plicatula gibbosa	0	2	0	0	0	0	0	0
Lima pellucida	1	1	0	0	0	0	0	0
Lucinidae	0	0	1	0	0	0	0	0
Lucina sp.	3	0	3	1	2	0	1	0
Diplodonta punctata	1	0	0	1	1	0	0	1
Crassinella cf. lunulata	4	1	5	3	0	0	1	2
Laevicardium sp.	2	2	1	3	1	0	0	0
Tellina sp.	0	1	0	0	0	0	0	0
Tellina cf. bodegensis	0	0	0	0	0	0	0	1
Semele nuculoides	10	7	2	7	2	6	0	3
Veneridae	0	0	0	2	2	0	0	0
Mercenaria campechiensis	0	0	1	0	1	0	0	0
Pitar fulminatus	0	0	0	0	0	0	1	0
Chione intapurpurea	5	3	0	0	0	0	0	0
Varicorbula operculata	0	0	1	0	0	0	0	0
Bushia elegans	3	2	1	3	0	0	0	1
Verticordia ornata	0	0	0	0	0	1	0	0
ARTHROPODA								
Hydrocarina sp.	0	1	0	0	0	0	0	0
Ostracoda-Myodocopa	12	13	4	2	4	1	4	6
Parasterope pollex	0	1	0	0	0	0	0	0
Ostracoda-Podocopa	0	0	1	0	0	0	0	0
Crustacea-Copepoda	1	10	7	8	4	6	0	0
Bowmaniella sp.	0	2	1	0	0	0	0	0
Cumella sp. A	0	0	0	0	0	1	0	0
Cyclaspis cf. unicornis	1	1	1	0	1	0	1	0
Cyclaspis sp. A	0	1	0	0	0	0	1	1
Cyclaspis sp. D	0	1	0	0	1	0	0	0
Leptocheila sp. A	0	0	1	0	0	0	0	0
Kalliapseudes sp. A	0	0	0	0	0	1	0	0
Xenanthura brevitelson	0	0	0	0	0	1	0	0
Eurydice littoralis	0	1	2	1	1	0	0	1
Ampelisca sp. D	0	0	0	0	0	3	0	0
Amphilochus sp. A	0	0	0	2	0	1	0	0
Lembos smithi	0	0	0	3	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 41 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Acuminodeutopus naglei	1	1	0	0	0	1	0	0
Corophium sp. B	0	0	0	0	0	1	0	0
Listriella cf. *barnardi*	1	1	0	0	0	0	0	0
Synchelidium cf. *americanum*	0	0	1	1	0	0	0	0
Rhepoxymius cf. *epistomus*	0	0	0	1	0	0	0	0
Metharpinia floridana	1	2	1	1	0	0	1	0
Netamelita cf. *barnardi*	0	1	0	0	0	0	0	0
Tiron tropakis	1	2	0	2	1	0	3	1
Luconacia incerta	1	0	0	0	0	0	0	1
Leptochela serratorbita	0	4	0	0	0	1	0	0
Paguridae	0	0	0	0	0	1	0	0
Porcellanidae	0	1	0	0	0	0	0	0
Majidae	1	0	0	0	0	0	0	0
Xanthidae	0	0	0	1	0	0	0	0
Pinnixa sp. B	0	0	1	2	0	3	0	0
SIPUNCULA								
Sipuncula	0	5	2	4	3	2	8	1
Phascolion sp.	0	1	1	0	0	0	0	0
Paraspidosiphon sp.	2	3	3	0	2	0	5	0
PRIAPULIDA								
Tubiluchus corallicola	0	0	0	0	0	0	3	0
PHORONIDA								
Phoronis architecta	0	0	1	0	1	0	0	0
ECTOPROCTA								
Ectoprocta	0	2	0	1	0	0	1	1
Selenaria sp.	0	0	0	0	0	0	0	1
ECHINODERMATA								
Asteroidea-Forcipulatida	0	0	0	0	0	1	0	0
Amphiuridae	0	3	0	2	4	0	0	4
CHORDATA--Cephalochordata								
Branchiostoma caribaeum	8	8	10	9	2	6	7	5

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: 111 (May-June 1983)
STATION: 42

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
CNIDARIA								
Hydrozoa	0	0	0	0	0	0	1	0
Actiniaria-Athenaria	0	0	0	0	0	0	0	1
RHYNCOCOELA								
Rhynchocoela	1	1	0	1	1	2	1	3
ASCHELMINTHES								
Nematoda	7	10	7	18	9	25	25	13
ANNELIDA								
Paleanotus sp. A	0	0	0	0	0	0	0	1
Phyllodoce sp.	0	0	1	0	0	1	0	0
Eteone heteropoda	1	0	0	0	0	0	0	0
Hesionidae	0	0	0	0	1	0	0	0
Sigambra sp.	0	0	0	1	0	2	0	0
Synelmis albini	2	6	3	7	6	2	2	1
Nereidae	0	0	0	0	1	0	0	0
Ceratonereis mirabilis	0	0	0	0	0	1	0	0
Nereis riisei	0	0	0	0	0	0	2	0
Nephtyidae	0	1	1	1	2	2	0	0
Nephtys picta	0	0	0	2	0	0	0	0
Nephtys simoni	0	0	0	0	1	0	0	0
Glycera sp.	0	0	0	0	0	0	0	1
Goniada sp.	0	0	1	0	0	0	0	0
Onuphis cf. eremita	1	0	0	0	0	0	0	0
Lumbrineris sp. D	0	1	0	0	0	0	1	0
Protodorvillea kefersteini	0	0	0	2	0	1	3	0
Pettiboneia sp. A	0	0	0	1	0	0	0	0
Aricidea fragilis	1	0	0	0	1	1	0	0
Aricidea philbinae	0	0	0	1	0	0	0	0
Paraonis pygoenigmata	0	0	1	1	0	0	0	0
Cirrophorus sp.	1	1	1	1	0	1	0	2
Spionidae	2	0	0	0	0	0	1	0
Paraprionospio pinnata	1	0	0	1	0	1	0	0
Apoprionospio pygmaea	0	0	1	0	0	0	1	1
Magelona pettiboneae	0	0	0	1	0	1	0	0
Magelona rioja	0	0	2	1	0	0	0	0
Poecilochaetus johnsoni	0	0	0	0	0	0	1	0
Armandia maculata	4	15	3	3	3	7	9	5

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 42 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Axiothella sp. A	1	0	0	0	0	0	0	0
Owenia fusiformis	0	0	0	0	0	0	1	0
Myriochele oculata	3	0	2	2	1	1	2	0
Oligochaeta	0	0	0	2	2	1	2	0
MOLLUSCA								
Gastropoda	0	0	0	1	0	0	0	0
Arene tricarinata	0	0	0	0	0	0	1	0
Caecum imbricatum	0	0	0	0	0	0	0	3
Strombiformis hemphilli	0	0	1	1	0	0	0	2
Mitrella lunata	0	0	0	0	1	0	0	0
Olivella dealbata	3	3	0	0	0	1	1	8
Terebra sp.	1	0	0	0	1	0	1	1
Turbonilla sp.	1	0	0	0	0	0	0	0
Haminoea succinea	0	5	0	0	0	0	4	0
Acteocina canaliculata	0	0	1	0	1	0	0	0
Scaphander punctostriatus	0	0	0	0	1	0	0	0
Aplacophora sp. A	0	0	0	1	0	0	0	0
Musculus lateralis	0	0	0	0	0	1	0	0
Lucina sp.	1	0	0	0	0	0	2	1
Diplodonta punctata	0	2	0	1	1	1	2	5
Crassinella lunulata	0	0	0	0	0	0	0	2
Tellina sp.	13	11	6	10	7	14	2	11
Tellina angulosa	0	0	0	0	0	0	1	0
Tellina alternata	0	0	0	0	0	1	0	0
Semele nuculoides	0	0	0	0	0	0	1	1
Mercenaria campechiensis	0	0	0	0	0	1	0	0
Pitar fulminatus	1	2	0	1	0	3	1	0
Cooperella atlantica	0	1	0	0	0	0	0	0
ARTHROPODA								
Ostracoda-Myodocopa	2	4	3	1	1	3	16	5
Parasterope pollex	0	0	2	1	0	0	1	1
Ostracoda-Podocopa	0	0	0	0	1	0	0	0
Crustacea-Copepoda	0	0	4	0	3	5	5	1
Bowmaniella sp.	1	3	0	0	0	0	1	0
Anchialina typica	1	2	0	0	2	0	0	3
Oxyurostylis smithi	1	0	0	0	1	0	1	0
Cyclaspis cf. *unicornis*	0	1	0	0	0	0	0	0
Cyclaspis sp. A	1	0	1	1	1	0	0	1

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 42 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Edotea cf. *lyonsi*	0	1	0	0	0	0	0	0
Ampelisca agassizi	0	0	0	0	0	0	0	1
Corophiidae sp. A	0	0	0	1	0	0	0	0
Photis cf. *macromanus*	0	0	0	0	1	0	0	0
Listriella cf. *barnardi*	1	1	0	0	0	0	0	0
Synchelidium cf. *americanum*	0	0	0	2	1	0	1	0
Eudevenopus honduranus	0	0	0	0	2	0	0	1
Metharpinia floridana	1	1	0	1	1	4	3	0
Pleustidae sp. A	0	0	0	0	0	1	0	1
Melita sp.	4	0	0	0	0	0	0	0
Tiron tropakis	0	2	1	0	0	1	0	0
Leptochela serratorbita	0	3	0	0	0	0	0	1
Portunus cf. *gibbesii*	0	0	0	0	1	0	0	0
SIPUNCULA								
Sipunculus sp.	0	0	0	0	0	1	0	0
Phascolion sp.	0	0	0	0	0	1	0	0
PHORONIDA								
Phoronis architecta	0	0	0	0	2	0	0	0
ECTOPROCTA								
Selenaria sp.	0	1	1	3	0	1	0	2
CHORDATA--Urochordata								
Ascidiacea	0	0	1	0	0	0	0	0
CHORDATA--Cephalochordata								
Branchiostoma caribaeum	1	0	0	0	0	0	0	0

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 43

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
PORIFERA								
Porifera	0	0	0	1	0	0	1	0
CNIDARIA								
Hydrozoa	0	2	1	0	0	0	0	0
RHYNCOCOELA								
Rhynchocoela	8	2	0	1	3	0	1	1
ASCHELMINTHES								
Nematoda	58	18	48	59	105	5	3	1
ANNELIDA								
Polynoidae	1	0	0	0	1	0	0	0
Thalenessa cf. *lewisii*	0	0	0	1	0	0	0	0
Paleanotus sp. A	0	0	1	0	1	1	0	0
Phyllodocidae	1	0	0	0	1	0	0	0
Phyllodoce arenae	0	2	0	0	0	0	1	0
Paranaitis sp.	1	0	1	0	0	0	0	0
Hesionura elongata	0	2	0	0	0	0	2	0
Gyptis brevipalpa	1	0	0	0	0	0	0	0
Heteropodarke cf. *hetermorpha*	0	0	0	0	0	0	1	0
Ancistrosyllis sp.	1	0	0	0	0	0	0	0
Ancistrosyllis hartmanae	0	0	0	3	0	0	0	0
Synelmis albini	0	0	0	2	1	0	4	0
Exogone lourei	4	0	1	1	3	0	2	0
Sphaerosyllis glandulata	0	0	0	1	0	0	0	0
Ehlersia cornuta	0	0	1	1	0	0	0	0
Nereidae	0	0	2	0	0	0	0	0
Nereis riisei	0	3	0	0	0	0	0	0
Ceratocephale oculata	0	0	0	0	1	0	0	0
Nephtys simoni	1	1	2	2	5	2	0	2
Glyceridae	1	0	0	0	2	0	0	0
Goniadides carolinae	4	4	1	3	6	1	6	0
Onuphidae	0	1	0	0	1	0	0	0
Mooreonuphis nebulosus	5	3	1	1	2	0	2	1
Lumbrineris latreilli	0	0	0	0	0	0	0	1
Lumbrineris verrilli	3	0	1	0	0	0	0	0
Protodorvillea kefersteini	0	0	0	0	1	0	0	0
Pettiboneia sp. A	1	0	0	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 43 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Meiodorvillea perplexa	0	0	2	0	0	0	0	0
Scoloplos rubra	0	0	1	0	0	0	0	0
Aricidea cerrutii	0	0	2	0	0	0	0	0
Cirrophorus americanus	2	3	3	3	3	0	1	0
Spionidae	1	0	0	0	0	0	0	0
Prionospio cristata	0	1	0	1	1	1	0	0
Spiophanes wigleyi	0	0	1	0	0	0	0	0
Aonides mayaguezensis	1	0	0	0	0	0	0	0
Magelona pettiboneae	0	0	0	0	1	0	0	0
Magelona riojai	0	0	1	0	1	0	0	0
Poecilochaetus johnsoni	0	2	0	1	1	1	0	0
Armandia maculata	6	1	1	3	1	0	2	1
Notomastus latericeus	0	1	0	0	0	0	0	0
Notomastus daueri	0	0	1	0	0	0	0	0
Mediomastus sp.	4	0	1	1	0	0	0	1
Axiothella sp. A	1	3	1	0	1	0	1	0
Owenia fusiformis	0	0	1	0	0	0	1	1
Myriochele oculata	14	10	9	11	11	8	21	0
Ampharetidae genus B	0	0	1	0	0	1	0	0
Pista cristata	0	0	0	0	0	1	1	0
Sabellidae	0	1	0	0	1	0	0	0
Potamilla reniformis	0	1	0	0	0	0	0	0
Oligochaeta	3	0	0	0	0	1	0	0
MOLLUSCA								
Gastropoda	0	0	0	0	0	0	0	1
Arene tricarinata	0	0	0	0	1	0	1	0
Caecum imbricatum	0	0	0	0	0	0	1	0
Schwengelia sp.	1	0	1	1	0	0	0	0
Strombiformis hemphilli	2	0	2	0	0	0	0	1
Mitrella sp.	0	3	0	1	0	0	0	0
Olivella sp.	0	0	0	0	1	0	0	1
Odostomia sp.	0	0	0	0	0	0	1	0
Odostomia impressa	1	0	0	0	0	0	0	0
Turbonilla sp.	0	0	0	0	0	1	0	0
Turbonilla hemphilli	0	0	0	0	1	0	0	0
Acteon punctostriatus	1	0	0	0	0	0	0	0
Acteocina canaliculata	3	0	0	4	1	0	4	0
Bivalvia	0	0	0	0	1	0	0	1
Nucula crenulata	0	0	0	1	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 43 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
MOLLUSCA (Continued)								
Crenella divaricata	1	1	3	7	0	0	2	0
Amygdalum papyrium	0	0	0	0	0	0	1	0
Lucina sp.	1	0	2	4	0	3	2	1
Diplodonta punctata	10	7	2	7	1	4	4	8
Myselia planulata	0	0	0	0	0	0	1	0
Crassinella lunulata	7	1	5	26	2	10	9	11
Cardiidae	4	0	0	2	0	0	0	0
Tellina sp.	6	3	2	2	1	0	3	1
Tellina listeri	1	0	0	0	1	0	0	0
Tellina versicolor	30	19	26	9	3	8	8	2
Semele bellastriata	0	0	0	0	1	0	0	0
Semele nuculoides	0	0	0	0	1	2	0	2
Abra aequalis	0	1	0	1	0	0	1	0
Veneridae	0	0	2	1	0	3	0	0
Transennella conradina	0	0	0	0	0	0	0	1
Gouldia cerina	14	4	1	3	1	2	2	0
Varicorbula operculata	3	2	4	7	1	0	3	0
Lyonsia hyalina floridana	0	0	0	0	1	0	0	0
Bushia elegans	0	2	7	0	1	1	0	1
Verticordia ornata	0	0	0	1	0	0	0	0
Chama congregata	0	0	1	0	0	0	1	0
Dentalium sp.	1	0	0	0	0	0	0	0
ARTHROPODA								
Pycnogonid sp. A	0	0	1	0	0	0	0	0
Ostracoda-Myodocopa	15	12	21	7	21	8	13	23
Ostracoda-Podocopa	0	0	0	0	0	0	1	0
Crustacea-Copepoda	5	103	9	28	0	2	0	0
Mysidopsis furca	0	0	1	0	0	0	0	0
Bowmaniella sp.	2	0	1	0	2	0	3	0
Anchialina typica	0	0	1	0	0	0	0	0
Oxyurostylis smithi	1	0	0	0	0	0	0	1
Campylaspis sp. E	0	0	1	0	0	0	0	0
Cumella sp. A	0	1	0	0	0	0	0	0
Cyclaspis cf. unicornis	0	0	1	1	0	0	0	0
Cyclaspis sp. A	1	0	0	1	0	0	0	0
Cyclaspis sp. D	1	1	1	1	0	0	0	0
Apanthura cf. signata	0	0	0	1	0	0	0	1
Xenanthura brevitelson	0	0	0	0	0	0	1	0
Eurydice piperata	0	0	0	0	1	0	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 43 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Eurydice littoralis	0	0	0	0	0	1	0	3
Ampelisca sp. C	0	0	0	0	0	0	1	1
Amphilochus sp. A	2	0	0	0	0	0	0	0
Lembos sp.	0	0	1	0	0	0	0	0
Ericthonius brasiliensis	0	4	0	0	0	0	0	0
Corophiidae sp. A	0	0	1	0	0	0	0	0
Acanthohaustorius sp. A	0	0	0	0	0	0	0	5
Photis cf. macromanus	0	3	0	0	0	0	0	0
Chevalia mexicana	3	2	2	2	4	4	2	6
Listriella cf. barnardi	1	0	0	0	0	0	0	2
Lysianassidae	0	0	0	0	2	0	0	0
Synchelidium cf. americanum	0	0	0	0	1	0	0	0
Eudevenopus honduranus	2	0	0	0	0	0	0	0
Metharpinia floridana	1	0	1	4	4	4	5	4
Stenothoe sp. A	0	5	0	0	0	0	0	0
Synoplidae	0	0	0	0	0	1	0	0
Garosyrrhoe sp. A	0	0	3	0	0	0	0	0
Tiron tropakis	0	0	3	0	1	0	0	0
Luconacia incerta	0	5	3	0	1	0	0	0
Leptochela serratorbita	0	0	1	0	1	0	0	0
Upogebia affinis	0	0	2	1	0	0	0	0
Pagurus cf. gymnodactylus	0	1	0	0	1	0	0	0
Brachyura sp. (juvenile)	0	1	0	0	0	1	0	0
Heterocrypta granulata	1	0	0	0	0	0	0	0
Dissodactylus sp. A	0	0	0	0	0	6	0	0
Pinnixa cf. pearsei	0	1	0	0	0	0	0	0
Pinnixa sp. A	0	1	0	0	0	0	0	0
SIPUNCULA								
Phascolion sp.	0	0	0	0	0	0	0	1
Paraspidosiphon sp.	0	2	1	1	1	0	0	2
PHORONIDA								
Phoronis architecta	0	0	0	0	0	0	1	0
ECTOPROCTA								
Ectoprocta	0	0	1	2	0	1	1	0
Selenaria sp.	0	7	0	8	1	0	2	3

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 43 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
BRACHIOPODA								
Glottidia pyramidata	0	0	0	0	0	0	1	0
ECHINODERMATA								
Asteroidea-Forcipulatida	0	0	0	0	1	0	0	0
Echinoidea	0	0	0	0	1	0	0	0
CHORDATA--Cephalochordata								
Branchiostoma caribaeum	0	3	0	3	1	0	1	1

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 46

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
RHYNCOCOELA								
Rhynchocoela	6	7	2	2	4	2	2	6
ASCHELMINTHES								
Nematoda	35	7	9	31	17	18	48	17
ANNELIDA								
Paleanotus sp. A	0	0	0	1	0	0	1	0
Gyptis brevipalpa	0	0	0	0	0	0	1	0
Ancistrosyllis hartmanae	0	0	1	0	0	0	0	0
Sigambra tentaculata	0	0	0	0	1	0	0	1
Synelmis albini	0	0	0	0	0	1	0	0
Exogone dispar	0	1	0	0	1	1	0	0
Ceratonereis irritabilis	0	0	0	0	0	1	0	0
Nereis sp.	0	0	0	0	0	0	2	0
Ceratocephale oculata	0	0	0	0	0	1	0	1
Nephtys picta	0	0	0	0	1	0	0	0
Nephtys simoni	0	0	0	0	1	0	1	1
Glycera sp. C	0	0	0	1	0	0	0	0
Onuphidae	2	0	1	0	0	1	1	0
Mooreonuphis nebulosus	0	0	0	0	0	0	1	0
Lumbrineris verrilli	2	0	0	0	0	1	0	1
Pettiboneia sp. A	0	0	1	0	0	0	0	0
Haploscoloplos fragilis	0	0	1	0	0	0	0	0
Aricidea wassi	0	1	0	1	0	1	1	0
Aricidea catherinae	1	0	0	0	0	0	0	0
Aricidea fragilis	0	0	0	0	0	0	1	0
Aricidea philbinae	0	0	0	0	0	1	0	0
Aricidea taylori	0	0	0	2	2	0	3	1
Cirrophorus americanus	1	3	1	5	1	1	1	6
Cirrophorus cf. forticirrata	0	0	0	1	0	0	2	0
Laonice cirrata	0	0	0	0	0	1	0	0
Polydora sp.	0	0	0	0	0	0	0	1
Prionospio cristata	3	1	6	5	7	2	5	5
Spio pettiboneae	1	0	0	0	1	1	0	0
Paraprionospio pinnata	5	2	1	1	2	7	2	1
Scolelepis squamata	0	0	0	1	0	0	0	0
Apoprionospio pygmaea	2	1	6	6	3	0	3	8
Magelona riojai	1	0	0	0	0	1	0	0
Poecilochaetus johnsoni	0	0	0	0	0	0	2	1

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 46 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Tharyx annulosus	1	0	0	1	0	0	0	0
Therochaeta sp. A	0	1	0	0	0	0	0	0
Armandia maculata	1	1	4	4	2	2	6	5
Capitellidae	0	0	0	0	0	1	0	0
Notomastus hemipodus	0	0	0	0	0	1	1	0
Mediomastus sp.	1	0	0	0	0	0	2	0
Euclymene sp. B	1	0	0	0	1	1	0	0
Owenia fusiformis	0	2	0	1	0	0	0	0
Myriochele oculata	0	1	1	4	0	1	7	0
Loimia medusa	0	0	0	0	0	0	0	1
Sabella microphthalma	0	0	0	1	0	0	0	0
Fabricia sp.	1	0	0	0	0	1	1	0
Serpulidae	0	0	0	0	0	1	1	0
Oligochaeta	1	1	3	1	6	2	5	0
MOLLUSCA								
Melanella sp.	0	0	0	1	0	0	0	0
Strombiformis hemphilli	1	3	0	0	0	0	0	0
Natica pusilla	1	0	0	0	0	0	1	0
Mitrella sp.	1	0	0	0	0	0	0	0
Olivella floralia	0	0	0	0	0	1	0	0
Turbonilla conradi	2	0	0	1	0	0	0	1
Turbonilla hemphilli	0	0	0	0	0	1	0	0
Volvulella persimilis	0	0	0	0	0	0	1	0
Acteocina canaliculata	1	0	0	0	0	0	1	0
Bivalvia	1	0	0	0	0	0	0	0
Solemya occidentalis	0	0	0	0	1	0	0	0
Crenella divaricata	0	0	1	1	0	0	0	0
Lucina sp.	0	0	0	0	1	0	1	0
Diplodonta punctata	2	0	0	0	0	0	0	0
Crassinella lunulata	1	0	3	3	1	0	2	0
Cardiidae	0	0	0	0	0	0	1	0
Tellina versicolor	5	0	2	4	5	1	3	4
Cooperella atlantica	0	0	0	0	0	0	1	0
Varicorbula operculata	0	1	0	0	0	0	0	0
Arcinella cornuta	0	0	0	1	0	0	0	0
Dentalium eboreum	2	1	0	1	0	0	0	0
ARTHROPODA								
Ostracoda-Myodocopa	3	3	9	10	8	2	1	16

INFAUNAL ABUNDANCE

CRUISE: 111 (May-June 1983)
STATION: 46 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Parasterope pollex	1	1	2	0	0	0	1	0
Crustacea-Copepoda	2	2	3	8	4	2	6	6
Mysidopsis furca	0	0	0	0	0	0	0	1
Bowmaniella sp.	0	0	0	1	0	0	0	3
Anchialina typica	1	1	1	0	0	0	2	1
Oxyurostylis smithi	1	0	0	1	0	0	0	0
Campylaspis sp. C	0	0	1	2	0	0	0	0
Cumella sp. B	0	1	0	0	0	0	0	1
Cyclaspis cf. *unicornis*	0	0	0	0	1	0	0	0
Cyclaspis sp. A	1	0	0	1	0	0	0	1
Leptochelia sp. A	1	0	0	1	0	1	0	0
Xenanthura brevitelson	0	0	0	1	0	1	0	0
Edotea cf. *lyonsi*	0	0	0	0	1	0	0	0
Ampelisca agassizi	0	0	0	0	1	0	0	0
Ampelisca schellenbergi	0	0	0	0	0	0	0	1
Ampelisca sp. C	0	0	0	0	0	2	2	0
Lembos smithi	0	0	0	2	0	0	0	0
Corophiidae sp. A	0	0	0	0	0	0	0	1
Photis cf. *macromanus*	0	0	0	0	1	0	0	0
Listriella cf. *barnardi*	0	0	0	0	1	0	1	0
Hippomedon sp. A	0	0	1	1	0	0	0	0
Monoculodes nyei	0	1	1	1	0	0	0	3
Synchelidium cf. *americanum*	0	0	0	0	0	0	1	0
Eudevenopus honduranus	0	0	1	0	0	0	0	1
Parametopella sp. A	0	0	0	0	1	0	0	0
Synopiidae	0	0	0	0	0	0	0	1
Luconacia incerta	0	0	1	0	0	0	0	0
Leptochela serratorbita	0	0	0	2	1	0	1	3
Upogebia affinis	0	0	0	0	0	1	1	0
Paguridae	0	0	0	0	0	0	0	2
Brachyura sp. (juvenile)	0	1	0	0	0	0	0	1
PHORONIDA								
Phoronis architecta	0	0	1	1	1	0	0	0
BRACHIOPODA								
Glottidia pyramidata	0	0	0	0	1	0	0	0
ECHINODERMATA								
Asteroidea-Forcipulatida	0	0	1	0	3	0	0	1

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 46 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ECHINODERMATA (Continued)								
Amphiuridae	0	0	1	0	1	0	0	0
HEMICHORDATA								
Enteropneusta	1	0	0	0	0	0	0	0
CHORDATA--Cephalochordata								
Branchiostoma caribaeum	1	0	0	0	0	0	2	0

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 48

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
RHYNCOCOELA								
Rhynchocoela	3	1	3	4	5	3	0	3
ASCHELMINTHES								
Nematoda	10	25	22	30	25	31	17	45
ANNELIDA								
Paleanotus sp. A	0	0	0	0	0	1	0	1
Phyllodoce arenae	0	0	0	1	0	0	0	0
Paranaitis polynoides	0	0	0	0	0	0	0	1
Gyptis brevipalpa	1	0	0	0	1	1	1	0
Sigambra bassi	0	0	0	2	0	0	0	0
Sphaerosyllis sp.	0	0	0	0	1	0	0	0
Nereidae	0	0	0	0	0	0	0	1
Ceratocephale oculata	0	0	0	1	0	0	1	0
Nephtyidae	1	0	0	0	0	1	3	3
Nephtys picta	0	0	2	0	0	1	0	0
Goniada sp.	0	0	0	0	0	0	0	1
Onuphidae	2	3	5	0	4	2	1	1
Kimbergonuphis simoni	0	0	0	0	1	0	0	0
Lumbrineris verrilli	1	0	2	1	0	2	1	1
Lumbrineris sp. D	0	0	0	0	0	0	1	0
Pettiboneia sp. A	0	0	1	0	1	0	1	0
Naineris sp.	0	0	0	0	0	0	1	0
Paraonidae	0	0	0	0	0	0	0	1
Aricidea sp.	0	0	1	1	0	0	0	0
Aricidea wassi	1	0	0	0	0	1	0	1
Aricidea fragilis	2	0	0	0	0	1	0	1
Aricidea philbinae	1	0	0	0	0	0	0	0
Aricidea taylori	0	0	4	1	2	4	4	3
Cirrophorus americanus	1	1	1	3	3	0	0	2
Spionidae	0	1	0	0	0	0	0	0
Prionospio cristata	0	0	1	0	3	2	4	4
Spio pettiboneae	0	0	0	0	1	0	0	0
Spiophanes berkeleyorum	0	0	0	0	0	0	0	1
Paraprionospio pinnata	0	3	0	0	0	1	1	1
Apoprionospio dayi	8	6	8	10	6	15	11	14
Magelona pettiboneae	0	0	1	0	1	0	0	0
Magelona riojai	1	0	0	0	0	0	0	0
Spiochaetopterus oculatus	0	1	0	0	0	0	0	1

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 48 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Mesochaetopterus capensis	0	0	0	0	0	1	0	0
Tharyx annulosus	1	1	2	0	2	0	0	0
Therochaeta sp. A	1	0	0	1	0	0	0	0
Armandia maculata	1	0	1	1	2	2	2	2
Armandia agilis	0	1	0	0	0	0	0	0
Notomastus lobatus	0	0	0	0	1	0	0	0
Mediomastus californiensis	1	1	5	0	5	0	3	3
Axiothella sp. A	1	1	1	1	3	1	0	0
Owenia fusiformis	4	1	1	1	0	1	0	0
Myriochele oculata	2	2	2	1	1	5	2	4
Loimia medusa	1	0	0	0	0	0	0	1
Megalomma bioculatum	0	0	0	0	0	1	0	0
Fabricia sp.	0	0	0	0	3	1	0	5
Grubeulepis augeneri	0	0	0	1	0	0	0	1
Oligochaeta	1	2	0	2	1	2	5	3
MOLLUSCA								
Gastropoda	0	0	1	0	0	0	0	0
Caecum sp.	0	0	0	0	0	0	0	1
Melanella sp.	0	0	0	0	0	0	0	1
Strombiformis hemphilli	0	0	1	0	0	0	1	0
Natica pusilla	0	1	1	1	2	1	0	1
Mitrella lunata	0	0	0	0	1	0	0	0
Olivella sp.	1	0	0	0	1	0	0	0
Turridae	0	1	0	0	0	0	0	0
Terebra sp.	0	0	0	0	0	1	0	0
Terebra arcas	0	0	0	0	1	0	0	0
Odostomia sp.	1	0	0	0	0	0	0	0
Turbonilla hemphilli	0	0	0	1	0	0	0	0
Acteon punctostriatus	1	0	0	0	0	0	0	0
Philine sagra	0	1	0	0	0	0	0	0
Cresels sp.	0	2	0	0	0	0	0	0
Crenella divaricata	0	1	0	0	0	0	1	0
Musculus lateralis	0	0	0	0	0	1	0	0
Atrina sp.	0	0	1	0	0	0	0	0
Lucina sp.	0	1	0	0	0	0	0	0
Divaricella quadrisulcata	0	0	1	0	0	0	0	0
Dosinia discus	2	0	1	1	0	0	0	0
Diplodonta punctata	1	0	2	2	1	1	0	1
Crassinella lunulata	0	1	3	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 48 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
MOLLUSCA (Continued)								
Tellina sp.	0	0	0	0	0	0	1	0
Tellina versicolor	0	2	4	0	0	2	3	1
Varicorbula operculata	1	1	0	0	0	0	0	0
Dentalium eboreum	0	0	0	0	1	0	1	0
ARTHROPODA								
Ostracoda-Myodocopa	5	6	5	14	7	4	2	4
Parasterope pollex	0	1	1	0	0	2	1	1
Crustacea-Copepoda	2	5	0	4	24	9	9	13
Bowmaniella sp.	1	1	5	2	8	7	9	2
Anchialina typica	0	1	2	0	0	0	1	0
Cumella sp. A	0	0	0	0	1	1	1	0
Cumella sp. B	3	2	4	0	2	4	1	1
Cyclaspis bacescui	0	1	0	0	0	1	0	0
Cyclaspis sp. A	2	2	0	0	2	1	1	0
Cyclaspis sp. D	0	0	3	0	1	0	0	0
Xenanthura brevitelson	0	0	0	2	0	0	0	1
Edotea cf. *lyonsi*	0	0	0	0	1	0	0	0
Ampelisca sp. C	0	1	0	0	1	1	0	1
Amphilochus sp. A	0	0	0	0	1	0	0	0
Ampithoe sp. A	0	0	0	1	0	0	0	0
Corophiidae sp. A	0	0	0	0	0	1	0	0
Photis cf. *macromanus*	1	0	0	0	0	1	0	0
Listriella cf. *barnardi*	0	0	0	0	0	2	0	0
Monoculodes nyei	1	0	1	0	0	2	1	0
Synchelidium cf. *americanum*	0	1	0	1	2	2	0	0
Eudevenopus honduranus	1	0	0	0	1	0	1	0
Rhepoxymius cf. *epistomus*	0	0	0	0	1	0	1	0
Metharpinia floridana	2	0	0	0	0	2	0	1
Solenocera atlantidis	0	0	0	1	0	0	0	0
Leptochela serratorbita	1	1	0	1	1	0	0	0
Automate cf. *evermanni*	0	0	1	0	0	0	0	0
Processa hemphilli	0	0	0	0	0	2	0	0
Brachyura sp. (juvenile)	1	0	2	0	0	0	0	0
POGONOPHORA								
Pogonophora	0	0	0	0	1	0	0	0
SIPUNCULA								
Sipuncula	0	1	1	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 48 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
SIPUNCULA (Continued)								
Paraspidosiphon sp.	0	0	0	0	0	1	0	0
PHORONIDA								
Phoronis architecta	0	1	0	0	1	1	0	2
ECTOPROCTA								
Ectoprocta	1	0	0	0	0	0	0	0
Selenaria sp.	0	7	2	0	3	1	0	2
BRACHIOPODA								
Glottidia pyramidata	0	1	0	0	0	0	0	0
ECHINODERMATA								
Amphiuridae	0	0	2	0	0	0	0	0
Holothuroidea	0	0	0	1	1	0	0	0
CHORDATA--Cephalochordata								
Branchiostoma caribaeum	0	1	0	0	0	0	0	0

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 49

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
RHYNCOCOELA								
Rhynchocoela	6	3	3	3	0	2	1	2
ASCHELMINTHES								
Nematoda	12	26	10	23	3	14	18	23
ANNELIDA								
Sthenelais obliquis	0	0	0	0	0	0	0	1
Fimbriosthenelais hobbsi	0	0	0	0	0	1	0	0
Phyllodocidae	0	0	0	0	0	0	1	0
Phyllodoce arenae	1	0	0	0	0	0	0	0
Gyptis brevipalpa	0	0	0	0	0	1	0	0
Sphaerosyllis taylori	2	1	1	0	0	1	0	0
Streptosyllis pettiboneae	0	1	0	0	0	2	1	1
Ceratocephale oculata	0	0	0	0	0	0	0	1
Nephtys picta	1	2	1	1	0	0	0	0
Aglaophamus verrilli	1	0	0	0	0	1	0	1
Glycera americana	0	1	0	0	0	0	0	1
Onuphidae	0	0	0	0	0	0	1	0
Lysidice sp.	0	0	0	0	0	0	1	0
Lumbrineris latreilli	0	0	0	0	0	0	1	0
Haploscoloplos foliosus	0	0	0	0	0	1	0	0
Aricidea philbinae	0	0	0	0	1	0	0	0
Cirrophorus americanus	4	2	3	3	2	2	2	0
Prionospio cristata	14	10	21	13	3	13	6	10
Spio pettiboneae	17	15	19	13	1	8	4	3
Spiophanes bombyx	11	10	11	3	3	6	6	3
Paraprionospio pinnata	1	0	0	1	0	1	1	0
Scolelepis squamata	0	0	1	0	0	0	0	0
Apoprionospio pygmaea	0	0	1	1	0	0	1	0
Magelona pettiboneae	0	0	0	0	0	1	1	0
Poecilochaetus johnsoni	0	1	0	0	0	1	0	0
Spiochaetopterus oculatus	0	0	0	1	0	0	0	1
Cauleriella alata	1	1	1	0	0	2	0	0
Tharyx annulosus	0	0	0	1	0	0	0	0
Armandia maculata	1	3	2	7	0	4	7	0
Mediomastus californiensis	5	1	0	3	1	0	2	2
Axiothella sp. A	0	0	0	1	2	0	1	1
Owenia fusiformis	1	0	0	0	0	0	2	0
Myriochele oculata	3	0	0	1	0	0	0	0
Loimia medusa	1	1	1	0	0	1	1	3
Fabricia sp.	0	0	0	1	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 49 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Hydroides crucigera	0	0	0	0	0	0	3	0
Vermiliopsis sp.	0	0	0	0	1	0	1	0
Oligochaeta	5	4	17	8	4	5	7	4
MOLLUSCA								
Caecum pulchellum	0	0	0	0	1	0	0	0
Natica pusilla	0	1	1	0	0	0	0	0
Olivella sp.	2	0	0	4	2	0	0	1
Turridae	2	0	1	0	0	0	0	0
Turbonilla dalli	0	1	0	2	1	0	0	0
Volvulella persimilis	0	0	0	0	0	0	1	0
Cylichnella bidentata	2	1	2	1	0	1	0	0
Lucina nassula	1	2	3	1	0	0	3	3
Dosinia discus	0	0	1	0	0	0	0	0
Diplodonta punctata	0	0	0	0	1	0	0	0
Tellina sp.	8	5	7	2	8	3	2	5
Cooperella atlantica	5	1	2	5	7	4	4	3
Dentalium sp.	0	0	0	1	0	0	0	0
ARTHROPODA								
Ostracoda-Myodocopa	4	6	3	8	0	7	3	4
Parasterope pollex	0	0	0	0	0	0	2	0
Crustacea-Copepoda	4	3	5	9	0	1	2	6
Mysidopsis furca	1	1	0	0	0	0	0	0
Mysidopsis mortensenl	1	0	0	0	0	0	0	0
Bowmaniella sp.	0	0	0	0	0	0	0	1
Oxyurostylis smithi	1	0	0	1	0	2	0	1
Campylaspis sp. C	0	1	0	0	0	0	0	0
Cyclaspis bacescui	0	0	0	0	0	0	1	0
Cyclaspis sp. A	0	4	2	3	0	4	1	4
Serolis mgrayi	0	0	0	0	0	1	0	0
Ampelisca sp. C	0	0	0	0	0	1	0	0
Argissa hamatipes	0	0	0	1	0	0	0	0
Ericthonius brasiliensis	0	2	0	0	0	0	0	0
Photis cf. *macromanus*	0	0	0	0	0	0	1	0
Monoculodes nyei	1	1	0	2	0	1	1	0
Synchelidium cf. *americanum*	1	2	5	3	0	0	3	4
Eudevenopus honduranus	4	8	2	7	0	6	8	2
Rhepoxynius cf. *epistomus*	2	0	0	1	0	2	3	0
Metharpinia floridana	0	0	2	0	0	0	13	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 49 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No.							
	1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Tiron tropakis	0	0	0	0	0	0	3	0
Tiron triocellatus	0	0	0	1	0	1	0	0
Leptochela serratorbita	0	2	1	0	0	0	0	3
Callianassa sp.	1	0	0	0	0	0	0	0
Paguridae	0	1	0	0	0	0	0	0
Brachyura sp. (juvenile)	1	0	0	0	0	0	1	1
SIPUNCULA								
Aspidosiphon sp.	0	1	0	0	0	0	0	0
PHORONIDA								
Phoronis architecta	0	1	0	0	0	2	1	0
ECTOPROCTA								
Ectoprocta	0	0	0	0	1	0	0	0
CHORDATA--Cephalochordata								
Branchiostoma caribaeum	3	7	1	5	1	1	5	1

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: 111 (May-June 1983)
STATION: 50

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
PORIFERA								
Porifera	0	0	1	0	0	0	0	0
CNIDARIA								
Hydrozoa	0	0	0	1	0	0	0	5
RHYNCOCOELA								
Rhynchocoela	1	3	4	3	2	3	4	4
ASCHELMINTHES								
Nematoda	31	13	15	15	14	15	15	16
ANNELIDA								
Paramphinome sp. B	0	1	0	0	1	0	0	0
Phyllodoce arenae	0	1	0	0	0	0	0	1
Hesionura elongata	0	0	0	0	0	0	1	0
Gyptis brevipalpa	1	1	0	0	2	0	0	3
Heteropodarke cf. hetermorpha	0	0	0	0	0	1	0	1
Sigambra bassi	1	0	0	0	0	1	0	0
Cabira incerta	0	0	1	0	0	0	0	1
Synelmis albini	0	0	0	0	0	1	1	0
Exogone dispar	0	1	0	0	1	1	1	0
Sphaerosyllis taylori	0	0	0	0	0	0	0	1
Glycera americana	0	0	0	0	1	0	0	0
Onuphidae	0	0	0	0	1	0	1	0
Mooreonuphis nebulosus	0	0	1	0	0	0	1	0
Lumbrineris verrilli	0	0	0	1	0	0	0	0
Lumbrineris candida	0	0	0	1	0	0	0	0
Arabella mutans	0	0	0	1	0	0	0	0
Schistomeringos rudolphi	2	0	0	1	0	0	1	3
Pettiboneia sp. A	1	0	0	0	1	9	0	3
Scoloplos rubra	0	0	0	0	0	0	0	1
Aricidea suecica	0	0	0	0	0	0	1	0
Aricidea wassi	0	0	2	0	0	1	1	0
Aricidea catherinae	0	0	1	0	0	0	0	0
Aricidea fragilis	0	3	0	1	3	0	1	3
Aricidea taylori	1	0	0	1	0	1	0	2
Cirrophorus americanus	0	1	0	2	2	1	0	0
Prionospio cristata	3	6	4	2	2	1	3	6
Spio pettiboneae	1	1	1	2	2	0	2	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 50 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Spiophanes bombyx	1	0	0	2	1	1	0	0
Spiophanes berkeleyorum	0	0	0	0	0	0	0	1
Paraprionospio pinnata	1	0	0	3	0	0	0	1
Apoprionospio pygmaea	14	13	11	8	6	6	0	1
Magelona pettiboneae	0	0	2	0	1	1	0	0
Poecilochaetus johnsoni	0	0	0	0	0	0	1	0
Caulleriella sp.	0	1	0	2	0	0	1	0
Tharyx annulosus	0	0	0	0	0	1	1	1
Armandia maculata	1	0	0	0	0	0	0	0
Notomastus hemipodus	0	2	1	0	1	1	1	0
Mediomastus californiensis	0	0	0	1	0	0	0	0
Axiothella sp. A	0	0	0	0	1	0	1	0
Owenia fusiformis	0	0	0	0	0	2	0	0
Myriochele oculata	1	1	1	1	1	1	1	0
Isolda pulchella	0	0	0	0	0	0	0	1
Polycirrus sp.	0	1	0	0	0	0	0	0
Chone americana	0	0	1	0	1	1	0	1
Fabricia sp.	0	0	0	1	1	1	3	2
Hydroides crucigera	0	0	0	1	0	3	1	0
Vermiliopsis sp.	0	0	0	0	0	1	0	0
Oligochaeta	2	8	15	6	3	2	5	5
MOLLUSCA								
Cerithiopsis sp.	0	0	0	0	0	0	0	1
Strombiformis bilineatus	0	0	0	0	0	0	0	1
Crepidula sp.	2	0	0	0	0	0	0	0
Natica pusilla	2	0	1	2	1	0	1	2
Anachis sp.	1	0	0	0	0	0	0	0
Anachis floridana	0	0	0	0	1	1	0	0
Turridae	1	0	0	0	0	0	0	0
Turbonilla dalli	0	0	0	0	0	0	1	0
Volvulella persimilis	0	0	0	1	1	0	0	0
Cylindrobulla beauii	2	0	0	0	0	0	0	0
Acteocina canaliculata	0	0	0	0	0	0	3	0
Crenella divaricata	1	0	1	0	1	1	0	0
Lucina radians	0	0	0	0	0	0	0	1
Lucina nassula	0	0	1	0	0	0	0	1
Diplodonta punctata	5	0	3	2	0	4	0	1
Crassinella lunulata	1	0	1	0	0	0	0	0
Laevicardium mortoni	0	0	1	0	0	2	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 50 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
MOLLUSCA (Continued)								
Tellina sp.	3	0	4	6	4	2	8	4
Tellina similis	0	0	0	0	0	0	0	1
Abra aequalis	0	0	0	1	0	0	0	0
Veneridae	2	0	2	0	0	0	1	0
Cooperella atlantica	0	0	0	1	1	0	1	0
Asthenothaerus hemphilli	0	0	0	1	0	0	0	0
ARTHROPODA								
Ostracoda-Myodocopa	9	4	0	8	3	3	4	5
Parasterope pollex	0	1	0	2	0	0	0	0
Crustacea-Copepoda	49	3	8	5	7	5	3	4
Mysidopsis furca	0	1	0	0	0	0	0	0
Bowmaniella sp.	1	0	1	0	1	3	4	0
Anchialina typica	0	0	2	0	0	0	0	0
Oxyurostylis smithi	0	0	0	0	1	0	0	0
Campylaspis sp. E	0	1	0	0	0	0	0	1
Cumella sp. A	0	1	0	0	0	0	0	0
Cumella sp. B	2	1	0	0	3	0	1	0
Cyclaspis cf. unicornis	0	0	0	0	0	0	0	1
Cyclaspis bacescui	0	0	0	1	1	0	0	0
Cyclaspis sp. A	5	2	3	1	2	2	3	2
Cyclaspis sp. D	0	0	0	1	0	1	1	0
Kalliapseudes sp. A	0	0	0	1	0	0	0	0
Xenanthura brevitelson	0	0	0	0	0	0	1	0
Eurydice piperata	0	1	0	0	0	0	0	0
Ampelisca sp. C	1	2	0	0	1	3	0	0
Corophiidae sp. C	0	0	0	0	1	0	0	0
Idunella sp.	0	0	1	0	0	0	0	0
Hippomedon sp. A	0	0	0	0	1	0	0	0
Monoculodes nyei	1	0	1	0	1	0	0	0
Synchelidium cf. americanum	2	1	0	1	2	2	2	1
Eudevenopus honduranus	1	1	2	1	0	3	0	0
Metharpinia floridana	0	1	2	0	0	0	0	0
Parametopella sp. A	0	0	0	0	0	0	0	1
Tiron tropakis	0	0	0	0	0	0	1	0
Tiron triocellatus	0	0	0	0	1	0	0	0
Leptochela serratorbita	0	0	1	1	0	0	0	1
Paguridae	0	0	0	1	0	0	0	0
Brachyura sp. (juvenile)	0	0	1	0	0	0	0	0
Pinnixa cf. pearsei	0	0	2	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 50 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Pinnixa sp. B	0	0	1	0	0	0	0	0
SIPUNCULA								
Sipuncula	1	0	0	0	0	0	0	0
Phascolion sp.	0	0	2	0	1	0	0	1
Paraspidosiphon sp.	0	0	0	0	0	0	0	1
ECTOPROCTA								
Selenaria sp.	2	0	1	1	1	0	2	1
BRACHIOPODA								
Glottidia pyramidata	1	0	1	0	0	0	0	0
ECHINODERMATA								
Amphiuridae	0	1	1	0	0	0	0	0
CHORDATA--Cephalochordata								
Branchiostoma caribaeum	0	2	0	0	1	0	0	1

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - Live Bottom Area

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
PORIFERA								
Porifera	0	0	0	2	0	0	0	0
CNIDARIA								
Actiniaria-Athenaria	1	1	1	1	1	0	1	0
Actiniaria-Thenaria	0	0	1	1	0	0	0	0
PLATYHELMINTHES								
Stylochus sp.	1	0	0	1	2	0	0	0
RHYNCOCOELA								
Rhynchocoela	7	9	9	11	4	1	7	1
ASCHELMINTHES								
Nematoda	24	52	10	77	67	95	109	2
ANNELIDA								
Psammolyce ctenidophora	0	0	0	1	0	0	0	1
Fimbriosthenelais sp.	0	1	0	0	0	0	1	0
Paramphinome sp. B	0	0	1	0	0	0	0	0
Phyllodocidae	0	1	0	0	0	0	0	0
Phyllodoce arenae	0	0	1	0	0	0	0	0
Eulalia macroceros	0	0	0	0	0	1	0	0
Gyptis brevipalpa	0	0	0	0	0	1	0	0
Ancistrosyllis hamata	0	0	1	0	0	0	0	0
Ancistrosyllis hartmanae	0	2	0	0	2	0	1	0
Syneimis albini	0	0	2	0	0	0	0	0
Exogone dispar	1	1	4	3	2	2	5	0
Exogone lourei	0	1	0	2	0	0	0	0
Exogone atlantica	0	0	1	1	0	0	0	0
Sphaerosyllis sp.	0	1	1	2	2	2	1	0
Sphaerosyllis taylori	1	1	0	2	2	2	2	0
Brania clavata	0	0	0	1	0	0	0	0
Ehlersia cornuta	1	0	2	1	0	3	1	0
Ehlersia ferrugina	0	0	0	1	0	1	0	0
Haplosyllis spongicola	0	0	0	3	0	0	0	0
Paraplonosyllis longicirrata	0	0	0	0	0	0	1	0
Dentatisyllis carolinae	0	0	2	0	0	0	0	0
Ceratonereis irritabilis	27	20	27	26	30	40	53	6
Nereis riisei	0	0	1	1	1	0	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - Live Bottom Area (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Glycera dibranchiata	0	0	1	0	0	0	0	0
Goniadidae	0	0	0	1	0	0	0	0
Goniadides carolinae	1	0	3	2	2	5	0	0
Diopatra cuprea	0	0	2	0	0	0	0	0
Mooreonuphis nebulosus	7	10	3	2	3	9	7	0
Eunicidae	0	1	0	0	0	0	0	0
Eunice vittata	4	0	1	0	0	0	1	0
Marphysa cf. belli	0	0	0	0	0	0	1	0
Lumbrineridae	0	2	0	0	0	0	0	0
Lumbrineris latreilli	1	0	1	0	0	0	0	0
Lumbrineris candida	0	0	2	1	0	0	0	0
Arabellidae	0	0	0	0	0	1	0	0
Pettiboneia sp. A	0	0	0	2	2	4	0	0
Dorvilleidae genus C	0	0	0	0	0	1	0	0
Aricidea fragilis	0	0	0	0	0	1	0	0
Aricidea taylori	0	0	0	0	0	1	0	0
Cirrophorus americanus	0	0	4	1	3	3	1	0
Polydora sp.	0	0	0	0	0	0	1	0
Prionospio cirrifera	0	0	0	2	0	0	1	0
Prionospio cristata	2	4	0	2	4	8	3	0
Spio pettiboneae	1	1	1	8	3	3	10	0
Paraprionospio pinnata	0	0	0	0	0	0	1	0
Scoletepis texana	0	1	0	0	0	0	0	0
Aonides mayaguezensis	0	0	1	2	0	0	0	0
Apoprionospio pygmaea	0	0	0	0	0	1	0	0
Magelona cf. cincta	0	0	0	1	0	0	0	0
Spiochaetopterus oculatus	0	0	1	0	0	0	0	0
Tharyx annulosus	1	1	1	4	0	4	2	0
Armandia maculata	3	4	3	11	11	12	9	0
Notomastus latericeus	1	0	0	0	0	0	0	0
Notomastus hemipodus	1	0	2	1	0	0	1	0
Notomastus daueri	0	1	0	0	0	0	0	0
Mediomastus californiensis	1	5	2	5	3	7	0	0
Axiothella sp. A	1	5	3	2	3	0	1	0
Owenia fusiformis	0	2	5	0	1	0	3	0
Myriochele oculata	4	3	0	0	1	0	3	0
Sabellaria vulgaris	0	0	0	1	0	0	0	0
Pectinaria gouldii	1	1	0	0	0	0	0	0
Ampharete sp.	1	0	2	3	0	3	1	0
Isolda pulchella	1	0	2	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - Live Bottom Area (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Terebellidae	0	0	0	0	0	0	1	0
Loimia medusa	0	1	0	0	0	1	0	0
Terebellides stroemi	0	0	0	0	1	0	0	0
Chone americana	0	1	0	0	0	0	0	0
Fabricia sp.	3	4	0	3	3	0	4	0
Serpulidae	0	0	0	0	0	1	1	0
Hydroides crucigera	0	1	1	0	0	0	0	0
Vermiliopsis sp.	0	0	0	0	0	1	0	0
Boguea enigmatica	0	2	0	0	0	0	0	0
Oligochaeta	3	1	5	9	1	10	2	0
MOLLUSCA								
Caecum imbricatum	0	0	0	0	0	0	1	0
Cerithiopsis sp.	1	0	0	0	0	0	0	0
Melanella intermedia	0	0	0	1	0	0	0	0
Melanella conoidea	1	0	0	0	0	0	0	0
Crepidula sp.	0	0	0	0	0	1	1	0
Natica pusilla	0	1	0	0	0	0	0	0
Marginella lavalleana	0	1	0	0	0	0	0	0
Mangelia melanitica	0	1	0	0	0	0	0	0
Turbonilla sp.	0	0	0	0	0	0	1	0
Acteon punctostriatus	0	0	1	0	0	0	0	0
Volvulella persimilis	0	0	0	0	2	0	0	0
Acteocina canaliculata	1	1	0	0	1	0	0	0
Nudibranchia	1	0	0	0	0	0	0	0
Bivalvia	0	0	1	1	0	0	0	0
Nucula crenulata	2	3	0	3	3	0	4	1
Solemya occidentalis	1	2	3	1	1	2	1	0
Crenella divaricata	11	16	10	4	8	9	11	1
Musculus lateralis	0	0	0	1	0	0	0	0
Lucina nassula	4	2	2	5	2	2	2	0
Diplodonta punctata	1	8	3	4	2	5	5	0
Crassinella lunulata	2	7	4	3	4	8	7	0
Cardiidae	0	0	0	0	2	0	0	0
Macoma tenta	0	0	1	0	0	0	0	0
Tellina sp.	0	0	0	0	0	0	1	0
Abra aequalis	0	0	1	0	0	0	1	0
Gouldia cerina	0	1	0	0	1	1	0	0
Varicorbula operculata	0	0	0	0	1	0	0	0
Asthenothaerus hemphilli	0	0	0	0	0	0	1	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - Live Bottom Area (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
MOLLUSCA (Continued)								
Dentalium laqueatum	0	0	0	0	0	0	1	0
ARTHROPODA								
Pycnogonid sp. B	0	0	0	0	0	0	2	0
Ostracoda-Myodocopa	12	13	5	16	26	11	10	3
Parasterope pollex	0	0	1	2	4	2	4	0
Crustacea-Copepoda	3	4	2	5	16	6	3	0
Bowmaniella sp.	0	0	0	0	0	1	0	0
Oxyurostylis smithi	0	0	0	0	0	1	0	0
Campylaspis sp. E	1	0	0	0	0	0	0	0
Cumella sp. A	0	0	0	1	2	1	0	0
Cumella sp. B	1	1	0	0	1	2	0	0
Cyclaspis sp. A	9	1	1	10	7	5	7	0
Cyclaspis sp. B	0	2	0	0	0	0	0	0
Cyclaspis sp. D	1	0	0	2	0	0	2	0
Leptochelia sp. A	1	0	0	0	0	0	0	0
Kalliapseudes sp. A	1	1	1	0	0	0	0	0
Calozodion wadei	0	0	0	0	1	0	0	0
Pagurapseudes largoensis	1	0	0	0	0	0	0	0
Apanthura cf. *signata*	0	0	1	3	3	0	1	0
Ampelisca bicarinata	0	1	0	0	0	1	2	0
Ampelisca sp. B	0	0	0	1	0	0	0	0
Ampelisca sp. A	0	1	0	0	0	0	0	0
Photis melanicus	0	0	0	0	0	1	0	0
Photis cf. *macromanus*	0	0	0	0	0	1	1	0
Listriella cf. *barnardi*	1	3	2	3	0	4	1	0
Synchelidium cf. *americanum*	0	0	0	0	0	1	0	0
Eudevenopus honduranus	0	0	0	0	0	0	1	0
Dulichia sp. A	0	0	0	2	0	0	1	0
Tiron triocellatus	0	2	0	0	0	0	0	0
Phtisica marina	0	0	0	0	1	0	0	0
Luconacia incerta	0	1	0	3	0	0	0	0
Leptochela serratorbita	0	1	0	0	1	0	0	0
Paguridae	3	0	0	1	1	3	0	0
Brachyura sp. (juvenile)	0	0	1	2	0	0	0	0
SIPUNCULA								
Sipuncula	6	0	2	2	1	0	0	0
Phascolion sp.	0	1	0	1	0	2	1	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - Live Bottom Area (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
PRIAPULIDA								
Tubiluchus corallicola	2	0	0	0	0	0	0	0
ECTOPROCTA								
Ectoprocta	0	1	0	3	0	0	0	0
Selenaria sp.	7	4	2	0	3	0	2	0
BRACHIOPODA								
Glottidia pyramidata	0	5	0	0	0	0	1	0
ECHINODERMATA								
Amphiuridae	0	0	0	0	0	0	1	0
CHORDATA--Urochordata								
Ascidiacea	0	0	2	5	0	1	0	0
Molgulidae	0	0	1	0	0	0	0	0

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: 111 (May-June 1983)
STATION: 52 - 5 m From Live Bottom

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
CNIDARIA								
Actiniaria-Athenaria	0	0	0	1	0	1	0	1
Actiniaria-Thenaria	0	2	0	0	0	0	0	2
PLATYHELMINTHES								
Stylochus sp.	0	4	0	0	0	0	0	1
RHYNCOCOELA								
Rhynchocoela	6	11	9	7	7	7	5	10
ASCHELMINTHES								
Nematoda	75	83	30	31	115	35	53	53
ANNELIDA								
Polynoidae genus D	0	1	0	0	0	0	0	0
Psammolyce ctenidophora	0	0	0	0	0	0	1	1
Fimbriosthenelais sp.	0	1	0	0	0	1	0	0
Fimbriosthenelais minor	0	0	0	0	0	0	0	1
Paleanotus sp. A	0	0	1	0	0	0	0	0
Phyllodocidae	0	0	1	0	0	0	1	0
Phyllodoce arenae	0	0	0	0	0	0	0	1
Phyllodoce castanea	0	0	0	0	1	0	0	0
Gyptis brevipalpa	0	0	1	0	0	0	0	0
Podarke sp. A	0	0	0	1	0	0	0	0
Ancistrosyllis hamata	0	1	0	0	0	0	1	0
Ancistrosyllis cf. hamata	0	1	0	0	1	0	0	0
Typosyllis cf. lutea	0	0	1	0	0	1	0	0
Exogone dispar	3	3	4	0	3	4	2	0
Sphaerosyllis sp.	1	3	0	0	3	1	1	0
Sphaerosyllis taylori	1	2	0	0	1	0	2	1
Ehlersia cornuta	1	0	1	1	0	0	1	0
Ehlersia ferrugina	0	0	0	1	0	2	0	0
Haplosyllis spongicola	0	0	3	0	0	0	0	0
Dentatisyllis carolinae	1	0	0	0	0	0	0	0
Ceratonereis irritabilis	24	33	13	20	38	28	26	29
Goniadides carolinae	0	0	0	0	0	0	0	1
Onuphidae	1	0	0	0	0	0	0	0
Diopatra cuprea	0	0	0	3	0	0	0	0
Mooreonuphis nebulosus	15	12	10	2	15	12	4	5
Eunice vittata	0	1	0	2	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - 5 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Marphysa cf. belli	0	0	0	0	1	0	0	1
Lysidice ninetta	0	0	0	0	0	1	0	0
Lumbrineris latreilli	0	0	1	0	0	0	0	0
Drilonereis longa	0	0	0	0	0	0	0	1
Arabella mutans	0	0	0	0	0	0	1	0
Dorvilleidae	0	0	0	0	1	0	0	0
Schistomeringos rudolphi	0	0	0	0	1	0	0	1
Pettiboneia sp. A	0	3	0	0	2	1	0	0
Aricidea catherinae	0	3	1	0	0	0	0	0
Aricidea fragilis	1	1	0	0	2	1	0	1
Aricidea taylori	1	0	0	2	0	1	0	0
Cirrophorus americanus	0	2	0	1	1	1	1	1
Polydora sp.	0	0	0	0	0	0	3	0
Prionospio cirrifera	0	0	0	0	1	2	0	0
Prionospio cristata	7	4	3	3	11	7	5	4
Spio pettiboneae	2	3	6	2	1	4	2	7
Pseudopolydora sp.	0	1	0	0	0	0	0	0
Paraprionospio pinnata	1	1	1	1	0	0	1	0
Scoletepis texana	0	0	1	0	1	0	0	0
Poecilochaetus johnsoni	1	0	0	0	0	2	0	0
Spiochaetopterus oculatus	0	0	0	0	0	1	0	1
Caulleriella sp.	1	0	0	0	0	0	0	0
Tharyx annulosus	0	2	2	0	0	2	2	0
Armandia maculata	2	8	1	8	2	4	9	5
Notomastus daueri	0	3	0	0	1	1	2	1
Mediomastus californiensis	4	4	1	2	1	2	3	3
Axiothella sp. A	1	3	0	3	3	3	6	2
Owenia fusiformis	0	0	0	0	1	0	2	0
Myriochele oculata	3	4	2	2	2	4	3	2
Pectinaria gouldii	0	0	1	1	1	0	0	1
Ampharete sp. A	0	2	3	1	1	0	2	0
Amphictels scaphobranchiata	0	0	0	0	0	1	0	0
Isolda pulchella	0	0	0	1	0	0	0	0
Eupolymnia nebulosa	0	0	1	0	0	0	0	0
Polycirrus plumosus	0	0	0	0	0	1	0	1
Loimia medusa	0	1	0	0	1	1	1	0
Amaeana trilobata	0	2	0	0	0	0	0	0
Chone americana	0	1	0	0	0	1	0	0
Fabricia sp.	4	2	8	3	11	3	1	7
Serpulidae	0	0	0	0	0	1	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - 5 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Vermiliopsis sp.	0	0	0	0	1	0	0	0
Questa caudicirrata	0	1	0	0	0	0	0	0
Oligochaeta	1	12	4	3	9	0	3	3
MOLLUSCA								
Caecum imbricatum	0	0	0	0	1	0	0	0
Epitonium novangliae	0	0	0	0	0	0	0	1
Melanella conoidea	0	0	0	1	1	0	0	0
Crepidula sp.	0	0	0	0	1	1	0	0
Natica pusilla	0	0	0	0	1	0	0	0
Fusinus sp.	0	0	1	0	0	0	0	0
Mangelia melanitica	0	0	0	0	1	0	0	0
Turbonilla interrupta	0	1	0	0	1	0	0	0
Turbonilla dalli	0	1	1	0	0	0	0	0
Acteon punctostriatus	0	1	0	0	0	0	0	0
Philine infundibulum	0	0	0	0	0	0	0	1
Volvulella persimilis	0	1	0	0	0	0	0	0
Acteocina canaliculata	0	0	0	0	0	1	0	0
Nucula crenulata	0	3	0	1	1	2	1	2
Solemya occidentalis	0	1	2	1	0	3	0	1
Crenella divaricata	1	11	6	3	14	4	11	5
Lucina nassula	0	1	3	0	2	0	1	1
Diplodonta punctata	1	2	1	5	3	3	2	1
Myselia planulata	0	2	0	1	0	0	0	0
Crassinella lunulata	0	6	2	1	6	1	2	5
Macoma tenta	0	0	1	0	0	1	1	0
Tellina sp.	0	0	0	0	1	0	0	1
Tellina versicolor	0	0	0	0	0	1	0	0
Gouldia cerina	0	1	0	0	2	0	0	1
Cooperella atlantica	0	0	0	0	0	0	0	1
Varicorbula operculata	0	0	0	1	1	0	0	0
Pandora sp.	1	0	0	0	0	0	0	0
Lyonsia hyalina floridana	0	0	0	1	0	0	0	0
Dentalium laqueatum	1	0	0	0	0	0	0	1
ARTHROPODA								
Pycnogonid sp. A	0	0	0	0	0	0	1	0
Ostracoda-Myodocopa	13	9	4	6	14	21	15	13
Parasterope pollex	0	0	0	0	1	2	0	1
Crustacea-Copepoda	1	4	0	2	6	4	5	1

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - 5 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Bowmaniella sp.	0	0	0	0	2	0	0	0
Oxyurostylis smithi	0	2	0	0	0	0	1	0
Cumella sp. A	0	0	1	0	0	0	1	0
Cumella sp. B	0	0	0	0	2	1	0	0
Cyclaspis sp. A	3	1	4	4	5	10	2	1
Cyclaspis sp. D	0	0	0	0	0	0	1	0
Calozodion wadei	0	0	0	0	0	0	1	1
Apanthura cf. *signata*	0	1	2	0	0	0	1	0
Xenanthura brevitelson	0	0	0	1	1	0	0	0
Serolis mgrayi	0	0	0	0	0	0	1	0
Photis cf. *macromanus*	1	0	0	0	0	0	1	0
Listriella cf. *barnardi*	0	3	0	1	0	1	1	2
Lysianassidae	0	1	0	0	0	0	0	0
Synchelidium cf. *americanum*	1	0	0	0	0	0	1	0
Eudevenopus honduranus	0	0	0	0	0	0	1	0
Dulichia sp. A	0	1	1	1	1	1	0	0
Metaprotella sp. A	0	0	0	0	1	0	0	0
Megaluropus sp. A	0	0	2	1	0	3	2	0
Luconacia incerta	0	0	0	0	0	0	0	1
Automate cf. *evermanni*	0	0	1	0	0	0	1	0
Latreutes parvulus	0	0	0	0	0	0	0	1
Paguridae	3	1	0	1	0	0	0	0
Brachyura sp. (juvenile)	0	0	1	0	0	1	0	0
Majidae	0	0	0	0	0	1	0	0
Parthenopidae	0	0	1	0	0	0	1	0
Pinnixa sp. B	0	0	0	0	0	0	0	1
SIPUNCULA								
Sipuncula	1	0	1	0	0	0	2	2
ECHIURA								
Echiura	1	0	0	0	0	0	0	0
PHORONIDA								
Phoronis architecta	0	0	0	0	4	0	1	0
ECTOPROCTA								
Ectoprocta	1	0	0	1	0	1	0	0
Selenaria sp.	3	3	2	0	0	1	1	2

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - 5 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
BRACHIOPODA								
Glottidia pyramidata	0	0	1	0	2	1	0	0
ECHINODERMATA								
Asteroidea-Forcipulatida	1	0	0	0	0	0	0	0
Amphiuridae	2	0	1	0	0	0	0	0
Holothuroidea	0	0	0	0	0	0	1	0
CHORDATA--Urochordata								
Molgulidae	0	0	0	0	0	0	1	0

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - 8 m From Live Bottom

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
CNIDARIA								
Actiniaria-Athenaria	3	0	1	0	0	0	0	1
Actiniaria-Thenaria	0	2	0	0	0	0	0	3
PLATYHELMINTHES								
Stylochus sp.	1	1	0	0	0	3	1	0
RHYNCOCOELA								
Rhynchocoela	6	13	5	3	5	10	11	9
ASCHELMINTHES								
Nematoda	53	36	81	31	62	57	128	99
ANNELIDA								
Harmothoe spinifera	0	0	0	0	0	0	1	0
Subadyte pellucida	0	0	0	0	0	0	1	0
Polynoidae genus D	0	0	0	0	1	0	1	0
Sigalionidae	1	0	0	0	0	0	0	0
Fimbriosthenelais sp.	0	0	0	0	0	0	2	0
Paramphinome sp. B	1	0	1	0	0	0	0	0
Phyllodoce arenae	1	0	0	0	0	2	0	2
Eulalia sanguinea	0	0	0	0	0	0	0	1
Eulalia macroceros	0	0	0	0	0	2	0	0
Paranaitis polynoides	0	0	1	0	0	0	1	0
Ancistrosyllis hartmanae	0	0	0	1	0	0	1	1
Sigambra sp.	0	0	0	0	0	0	0	1
Synelmis albini	0	0	0	0	1	1	0	0
Syllis gracilis	1	0	0	0	0	1	0	0
Typosyllis armillaris	1	0	0	0	0	0	0	0
Typosyllis cf. *lutea*	0	0	1	0	0	0	0	0
Exogone dispar	0	2	2	1	2	1	3	2
Exogone lourei	2	0	0	0	1	1	0	0
Sphaerosyllis taylori	2	3	3	2	0	1	6	2
Sphaerosyllis piriferopsis	0	3	3	1	1	2	2	3
Ehlersia cornuta	4	0	0	0	9	2	4	1
Odontosyllis enopla	0	0	0	0	0	1	0	0
Ceratonereis irritabilis	16	30	41	19	57	34	39	29
Goniadides carolinae	1	1	4	1	10	0	3	5
Kimbergonuphis simoni	0	0	8	0	0	0	0	0
Mooreonuphis nebulosus	4	7	0	1	5	6	6	11

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - 8 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Eunice vittata	0	1	1	0	0	0	0	3
Marphysa cf. belli	0	0	0	0	1	0	0	0
Lumbrineris latreilli	0	0	0	0	0	0	0	1
Lumbrineris candida	0	0	1	0	0	0	0	0
Arabella mutans	0	0	0	0	0	0	0	1
Pettiboneia sp. A	0	0	0	0	0	1	1	0
Haploscoloplos foliosus	0	1	0	0	0	0	0	0
Aricidea catherinae	0	0	2	0	2	0	0	0
Aricidea fragilis	0	0	0	0	1	0	0	0
Aricidea taylori	0	0	0	0	1	0	0	1
Cirrophorus americanus	0	0	1	0	1	0	0	7
Prionospio cirrifera	0	1	0	0	0	0	0	1
Prionospio cristata	2	4	2	3	8	5	5	4
Spio pettiboneae	3	0	1	1	1	0	6	0
Spiophanes bombyx	0	0	0	0	1	0	0	0
Paraprionospio pinnata	0	1	1	0	0	0	0	0
Scoletepis texana	0	0	0	0	0	0	1	2
Aonides mayaguezensis	1	0	1	0	0	0	0	0
Tharyx annulosus	1	0	3	0	3	1	2	1
Armandia maculata	7	7	6	1	6	11	12	8
Notomastus hemipodus	0	0	0	0	0	0	2	0
Mediomastus californiensis	3	3	5	0	3	2	2	3
Axiothella sp. A	0	0	3	2	1	1	0	6
Owenia fusiformis	0	2	0	0	2	0	3	0
Myriochele oculata	0	1	2	0	1	2	0	3
Sabellaria vulgaris	0	0	0	1	0	0	0	0
Pectinaria gouldii	0	0	1	0	1	2	1	0
Ampharete acutifrons	3	2	0	1	1	1	2	1
Loimia medusa	0	0	0	2	1	2	0	1
Amaeana trilobata	0	0	0	0	0	0	0	1
Terebellides stroemi	0	0	1	0	0	0	0	0
Chone americana	0	2	1	0	1	0	0	0
Fabricia sp.	2	6	6	0	2	5	1	1
Eulepethidae	0	1	0	0	0	0	0	0
Archiannelida	0	1	1	0	0	0	0	0
Oligochaeta	3	4	3	0	18	6	12	12
MOLLUSCA								
Caecum pulchellum	0	0	0	0	0	1	1	1
Epitonium novangliae	0	0	0	0	1	0	0	0

INFAUNAL ABUNDANCE

CRUISE: 111 (May-June 1983)
STATION: 52 - 8 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
MOLLUSCA (Continued)								
Melanella intermedia	0	1	0	0	0	0	0	0
Melanella conoidea	0	0	0	0	0	0	1	0
Crepidula sp.	0	0	0	0	1	2	0	0
Conus sp.	0	0	0	0	1	0	0	0
Turbonilla interrupta	0	0	0	0	0	0	1	0
Turbonilla dalli	0	0	0	0	1	0	0	0
Acteon punctostriatus	0	1	0	0	2	0	0	0
Volvulella persimilis	0	0	0	0	1	1	0	0
Acteocina canaliculata	0	1	0	0	0	0	0	0
Nucula crenulata	0	1	4	2	3	0	3	0
Solemya occidentalis	0	2	0	2	0	0	1	0
Crenella divaricata	2	2	6	10	9	2	9	6
Lucina nassula	0	0	1	0	4	0	1	2
Diplodonta punctata	12	5	7	2	9	6	6	4
Crassinella lunulata	1	1	2	2	5	2	2	1
Laevicardium mortoni	0	0	0	0	0	1	0	0
Tellina sp.	1	0	0	0	0	0	0	1
Tellina versicolor	0	0	0	0	0	1	0	0
Abra aequalis	1	0	0	0	0	0	0	0
Gouldia cerina	0	0	1	0	0	1	0	2
Corbula contracta	0	0	0	0	0	0	1	0
Dentalium laqueatum	0	0	0	0	0	0	0	2
ARTHROPODA								
Pycnogonid sp. A	0	0	0	0	0	0	1	0
Pycnogonid sp. B	0	0	0	0	0	0	1	0
Ostracoda-Myodocopa	11	11	17	17	3	9	19	4
Parasterope pollex	0	0	0	0	1	0	0	0
Crustacea-Copepoda	1	0	5	2	2	0	9	8
Mysidopsis furca	0	0	1	0	0	1	0	0
Anchialina typica	0	1	0	1	0	0	0	0
Oxyurostylis smithi	0	0	1	0	0	0	0	0
Campylaspis sp. C	0	0	0	0	1	0	0	0
Cumella sp. A	0	0	0	0	0	0	1	0
Cumella sp. B	0	0	0	0	0	0	1	0
Cyclaspis sp. A	2	5	8	5	3	3	11	9
Cyclaspis sp. B	0	1	0	0	0	0	0	0
Cyclaspis sp. D	0	0	4	1	1	0	2	2
Kalliapseudes sp. A	0	0	0	0	0	0	1	0
Calozodion wadei	0	1	0	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - 8 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Apanthura cf. *signata*	1	2	1	0	0	2	7	0
Panoploea sp. A	0	0	0	1	0	0	0	0
Ampelisca sp. B	0	0	1	0	1	0	0	0
Ampithoe sp. A	0	0	0	0	0	0	0	1
Cerapus sp. A	0	0	0	0	0	0	1	0
Photis cf. *macromanus*	0	4	0	0	0	1	1	0
Listriella cf. *barnardi*	1	0	1	1	1	0	5	0
Monoculodes nyei	0	1	0	0	0	0	1	0
Synchelidium cf. *americanum*	0	0	1	0	1	1	0	0
Dulichia sp. A	1	0	2	3	0	0	2	0
Melita appendiculata	0	0	0	0	1	0	0	0
Megaluropus sp. A	0	0	0	1	0	0	1	0
Phtisica marina	0	0	0	0	1	0	0	0
Luconacia incerta	0	1	2	0	0	0	1	1
Leptochela sp.	0	0	1	0	0	0	0	0
Alpheus sp.	1	0	0	0	0	0	0	0
Processa spp.	0	0	0	1	0	0	1	0
Paguridae	1	1	3	1	0	0	2	2
Pagurus criniticornis	0	1	0	0	0	0	0	0
Brachyura sp. (juvenile)	1	1	0	0	0	0	0	0
Pinnotheridae	0	0	1	0	0	0	0	0
Pinnixa sp. A	0	0	0	1	0	0	0	0
SIPUNCULA								
Sipuncula	2	4	0	0	2	0	1	1
Phascolion sp.	0	0	0	0	1	0	1	0
PRIAPULIDA								
Tubiluchus corallicola	0	0	0	0	0	0	1	0
PHORONIDA								
Phoronis architecta	1	0	0	0	0	0	0	1
ECTOPROCTA								
Ectoprocta	0	0	1	1	0	0	0	0
Selenaria sp.	0	3	0	5	4	2	1	2
BRACHIOPODA								
Glottidia pyramidata	3	0	0	0	0	0	1	1

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - 8 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ECHINODERMATA								
Asteroidea-Forcipulatida	0	1	0	0	0	0	0	0
Amphiuridae	0	0	0	8	0	0	0	0
Holothuroidea	0	1	0	0	0	0	0	0
CHORDATA--Urochordata								
Ascidiacea	0	0	1	0	0	0	0	0

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - 30 m From Live Bottom

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
CNIDARIA								
Actiniaria-Athenaria	0	0	2	0	0	2	0	0
Actiniaria-Thenaria	0	1	1	0	0	0	0	1
PLATYHELMINTHES								
Stylochus sp.	0	2	0	3	0	0	1	0
RHYNCOCOELA								
Rhynchocoela	9	10	13	10	9	4	8	22
ASCHELMINTHES								
Nematoda	119	96	97	119	46	84	37	65
ANNELIDA								
Polynoidae	0	0	0	0	0	0	1	0
Polynoidae genus D	0	0	0	0	0	0	0	1
Pholoe sp.	0	0	1	0	0	0	0	0
Psammolyce ctenidophora	0	1	2	0	0	1	0	0
Fimbriosthenelais sp.	1	0	1	0	0	0	0	0
Paramphinome sp. B	0	0	0	0	0	0	0	1
Phyllodoce castanea	0	0	0	0	0	0	0	1
Eulalia sanguinea	0	0	0	0	0	2	0	0
Kefersteinia sp.	0	0	0	1	0	0	1	0
Ancistrosyllis cf. *hamata*	0	1	0	0	0	2	0	0
Ancistrosyllis hartmanae	0	0	4	0	0	0	0	0
Syneimis albini	0	1	0	0	1	0	0	1
Autolytus dentalius	0	1	0	0	0	0	0	0
Syllis gracilis	0	4	0	2	1	0	0	0
Typosyllis sp.	0	2	0	0	0	0	0	0
Typosyllis amica	0	0	0	2	2	0	0	0
Typosyllis cf. *lutea*	0	0	0	1	1	0	0	0
Typosyllis antillensis	0	0	0	0	0	0	1	0
Exogone dispar	2	1	9	3	1	3	0	2
Exogone lourei	0	1	1	1	0	0	0	0
Exogone atlantica	0	0	1	0	0	0	0	0
Sphaerosyllis sp.	0	0	3	1	0	1	0	0
Sphaerosyllis taylori	2	2	4	2	1	1	1	0
Brania n. sp.	0	0	0	0	0	1	0	1
Ehlersia cornuta	3	3	2	6	0	5	3	0
Haplosyllis spongicola	0	2	0	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - 30 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Odontosyllis enopia	0	0	0	0	0	0	0	1
Syllides floridanus	0	1	0	0	0	0	0	0
Dentatisyllis carolinae	1	0	0	1	1	0	0	1
Nereidae	0	1	0	0	0	0	0	0
Ceratonereis irritabilis	43	33	46	24	39	40	34	49
Neanthes micromma	1	0	0	0	0	0	0	0
Nereis riisei	0	1	0	0	2	1	0	0
Nephtys sp.	0	0	0	0	0	0	1	0
Glycera dibranchiata	0	1	0	0	0	0	0	0
Goniadides carolinae	0	0	2	1	0	4	0	2
Diopatra cuprea	0	1	0	0	0	0	1	0
Kimbergonuphis simoni	3	0	0	0	0	0	0	0
Mooreonuphis nebulosus	5	3	6	3	5	3	3	4
Eunice vittata	0	0	0	2	2	0	1	0
Marphysa cf. bellii	0	0	0	1	0	0	0	1
Lysidice ninetta	0	1	0	0	0	0	1	0
Nematonereis unicornis	0	1	0	0	0	0	0	0
Lumbrineris sp.	0	0	1	0	0	0	0	0
Lumbrineris verrilli	0	0	0	0	1	1	0	0
Lumbrineris candida	0	0	2	0	0	0	1	0
Drilonereis longa	0	0	0	0	0	0	0	1
Schistomeringos rudolphi	0	0	0	0	0	0	0	1
Pettiboneia sp. A	0	1	1	1	1	1	2	1
Aricidea catherinae	0	0	1	1	0	0	0	2
Aricidea fragilis	0	0	0	1	1	1	0	1
Aricidea taylori	0	1	0	1	1	3	0	0
Aricidea sp. C	0	0	0	0	0	0	1	0
Cirrophorus americanus	1	1	6	3	0	0	3	3
Prionospio cirrifera	0	2	0	3	0	1	0	1
Prionospio cristata	7	1	5	7	2	4	4	3
Spio pettiboneae	2	1	2	1	0	1	3	0
Paraprionospio pinnata	0	0	0	0	0	0	1	0
Scoletepis texana	0	0	2	0	0	0	1	1
Aonides mayaguezensis	0	0	2	0	0	0	0	0
Spiochaetopterus oculatus	0	0	0	1	0	0	0	1
Tharyx annulosus	1	0	2	0	1	0	0	2
Cirratulidae sp. A	0	1	0	0	0	0	0	0
Armandia maculata	17	14	17	13	11	13	16	16
Notomastus latericeus	1	0	0	0	0	0	0	0
Notomastus hemipodus	0	0	1	0	0	0	0	3

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - 30 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Mediomastus californiensis	7	4	3	1	3	0	2	2
Axiothella sp. A	1	1	2	5	2	2	3	0
Owenia fusiformis	3	4	1	7	3	3	3	0
Myriochele oculata	6	4	3	3	3	2	1	2
Sabellaria vulgaris	3	0	0	1	0	0	0	0
Pectinaria gouldii	0	1	0	0	1	1	0	0
Ampharete acutifrons	3	1	2	1	0	0	1	1
Amphicteis scaphobranchiata	0	1	1	0	0	2	0	0
Isolda pulchella	1	0	0	1	1	0	0	0
Neoleprea sp. A	0	1	0	0	0	0	0	0
Thelepus setosus	0	0	0	1	0	0	0	0
Loimia medusa	1	2	0	1	0	0	0	0
Amaeana trilobata	1	0	4	1	2	0	1	0
Terebellides stroemi	0	0	1	0	0	0	1	0
Chone americana	0	0	2	0	0	0	1	1
Fabricia sp.	1	4	3	3	4	4	2	5
Serpulidae	0	2	0	1	0	0	1	0
Hydroides sp.	0	0	0	0	0	0	1	0
Oligochaeta	6	16	25	2	4	0	8	10
MOLLUSCA								
Gastropoda	0	0	1	0	0	0	0	0
Caecum pulchellum	0	0	0	1	0	0	0	0
Caecum imbricatum	0	0	2	0	0	0	0	0
Cerithiopsis sp.	1	0	0	2	0	0	0	0
Melanella intermedia	0	0	1	1	0	0	0	0
Turbonilla sp.	0	1	0	0	0	0	0	0
Turbonilla conradi	0	0	0	1	0	0	0	0
Volvulella persimilis	2	1	0	0	0	0	0	0
Nucula crenulata	3	0	0	0	0	3	1	0
Solemya occidentalis	5	1	3	2	2	0	4	5
Crenella divaricata	2	1	2	1	0	1	0	0
Amygdalum papyrium	1	0	0	0	0	0	0	0
Lucina nassula	3	1	0	1	1	1	0	0
Diplodonta punctata	3	4	3	4	2	4	2	1
Crassinella lunulata	0	1	2	2	0	0	0	1
Macoma tenta	0	0	1	0	0	0	0	0
Tellina sp.	4	0	0	2	0	0	0	0
Abra aequalis	0	0	0	0	0	1	0	0
Gouldia cerina	0	0	0	1	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - 30 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
MOLLUSCA (Continued)								
Pandora sp.	1	0	0	0	0	0	0	0
Asthenothaerus hemphilli	0	0	1	0	0	0	0	0
Dentalium laqueatum	1	1	0	2	0	0	0	0
ARTHROPODA								
Pycnogonid sp. A	0	0	1	0	0	1	0	0
Pycnogonid sp. B	0	0	0	1	0	0	0	0
Ostracoda-Myodocopa	17	8	8	10	8	2	3	9
Parasterope pollex	0	1	1	2	0	0	0	1
Crustacea-Copepoda	0	4	9	6	2	1	1	2
Mysidopsis furca	2	0	0	0	0	0	0	0
Bowmaniella sp.	0	0	1	0	1	0	0	0
Anchialina typica	0	0	2	0	1	0	0	1
Oxyurostylis smithi	1	0	0	1	1	0	0	0
Campylaspis sp. C	1	0	1	0	0	0	0	0
Cumella sp. A	0	1	0	0	0	0	0	0
Cumella sp. B	1	0	0	0	0	1	0	0
Cumella sp. C	0	0	0	0	0	0	1	0
Cyclaspis sp. A	7	9	14	7	7	6	3	6
Cyclaspis sp. B	0	0	0	1	0	0	0	0
Cyclaspis sp. D	1	0	0	0	0	0	0	1
Leptochelia sp. A	0	1	0	0	0	0	0	0
Calozodion wadei	0	0	0	1	0	0	0	0
Apanthura cf. signata	1	1	4	0	0	0	5	7
Paranthura cf. formosa	0	2	0	0	0	0	0	0
Ampelisca schellenbergi	0	0	1	0	0	1	0	0
Ampelisca sp. B	2	0	0	0	0	1	0	1
Cymadusa compta	0	0	0	0	0	1	0	0
Photis cf. macromanus	0	6	0	1	1	1	3	0
Listriella cf. barnardi	0	3	2	1	1	0	1	1
Lysianopsis alba	0	0	0	1	0	0	0	0
Synchelidium cf. americanum	0	0	1	0	0	0	0	0
Eudevenopus honduranus	1	0	0	0	1	0	0	0
Dulichia sp. A	0	2	1	0	0	0	0	0
Garosyrrhoe sp. A	0	0	0	1	0	1	0	0
Maera cf. caroliniana	1	0	0	0	0	0	0	0
Phtisica marina	1	0	0	1	0	0	0	0
Luconacia incerta	1	1	1	3	1	0	1	0
Sicyonia stimpsoni	0	0	0	0	0	0	0	1
Pericilimenes sp.	0	0	0	0	0	0	0	1

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - 30 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Automate cf. *evermanni*	0	0	1	0	0	0	1	0
Paguridae	0	0	0	3	1	1	0	1
Hypoconcha arcuata	0	0	1	0	0	0	0	0
Iliacantha sp.	0	0	0	1	0	0	0	0
Majidae	0	0	0	0	0	0	1	0
Pinnixa sp. A	0	1	0	0	0	0	1	0
SIPUNCULA								
Sipuncula	0	5	0	2	1	0	3	1
ECHIURA								
Echiura	0	2	0	0	0	0	0	0
PHORONIDA								
Phoronis architecta	0	1	1	1	0	1	0	1
ECTOPROCTA								
Ectoprocta	0	1	0	0	0	1	1	0
BRACHIOPODA								
Glottidia pyramidata	0	0	0	0	1	0	0	0
ECHINODERMATA								
Amphiuridae	0	0	9	0	0	1	0	0
Echinoidea	0	0	0	0	0	1	0	0
Holothuroidea	0	0	2	0	0	0	0	0
CHORDATA--Urochordata								
Ascidiacea	0	0	2	0	0	0	0	0

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - 75 m From Live Bottom

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
CNIDARIA								
Actiniaria-Athenaria	0	0	0	0	0	0	0	1
Actiniaria-Thenaria	0	0	1	0	0	0	0	0
PLATYHELMINTHES								
Stylochus sp.	0	1	1	0	0	0	0	0
RHYNCOCOELA								
Rhynchocoela	4	10	11	10	12	17	8	12
ASCHELMINTHES								
Nematoda	18	31	54	35	51	38	48	37
ANNELIDA								
Polynoidae genus D	0	0	1	0	0	0	0	0
Fimbriosthenelais sp.	0	1	0	1	0	0	0	1
Paramphinome sp. B	1	1	4	0	1	0	0	1
Gyptis brevipalpa	0	1	1	0	0	0	0	0
Ancistrosyllis hartmanae	0	1	0	1	0	0	3	0
Sigambra tentaculata	0	0	0	0	0	1	0	0
Typosyllis cf. *lutea*	0	0	1	1	0	0	0	0
Exogone dispar	1	0	6	3	2	0	0	2
Exogone lourei	0	0	1	0	0	0	0	0
Sphaerosyllis sp.	0	0	0	0	2	0	0	0
Sphaerosyllis taylori	1	2	1	1	2	2	6	3
Brania n. sp.	0	0	0	1	0	0	0	0
Ehlersia cornuta	1	2	3	1	0	0	1	0
Ehlersia ferrugina	1	0	0	0	2	2	0	1
Dentatisyllis carolinae	0	0	0	0	0	0	0	2
Ceratonereis irritabilis	10	18	27	18	14	3	25	12
Nephtys simoni	1	0	0	0	0	0	0	0
Glycera sp.	1	0	0	0	0	0	0	0
Glycera dibranchiata	1	0	0	0	0	0	0	0
Goniadides carolinae	0	1	0	0	1	0	0	0
Diopatra cuprea	0	2	0	0	0	0	1	0
Kimbergonuphis simoni	7	3	6	11	8	11	10	16
Eunice vittata	0	0	0	0	0	0	0	1
Lysidice ninetta	0	0	1	0	0	0	0	0
Nematonereis unicornis	0	0	1	0	0	0	0	0
Lumbrineridae	0	0	0	0	0	0	1	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - 75 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Lumbrineris ernesti	0	0	1	0	0	0	0	1
Lumbrineris verrilli	0	0	0	1	0	0	0	1
Drilonereis longa	0	1	0	0	0	0	0	0
Schistomeringos rudolphi	0	0	0	0	0	3	0	1
Pettibonela sp. A	2	0	1	3	0	6	2	1
Haploscoloplos foliosus	0	0	0	0	1	0	0	0
Scoloplos rubra	0	1	0	0	0	0	0	0
Aricidea catherinae	0	1	1	0	0	0	0	1
Aricidea fragilis	1	2	5	3	4	6	5	4
Aricidea taylori	2	1	0	0	0	1	0	3
Cirrophorus americanus	1	7	2	0	2	0	2	11
Polydora sp.	0	0	0	0	0	0	1	1
Prionospio cirrifera	0	0	1	0	0	0	0	0
Prionospio cristata	0	3	7	1	5	3	7	6
Spio pettiboneae	1	1	3	0	0	0	0	2
Spiophanes bombyx	1	1	1	1	3	2	0	0
Spiophanes berkeleyorum	0	1	0	0	0	0	0	0
Paraprionospio pinnata	2	1	2	1	1	1	1	0
Scolelepis squamata	0	0	0	1	0	0	0	0
Aonides mayaguezensis	0	0	0	1	0	1	0	0
Apoprionospio pygmaea	2	2	0	4	1	1	0	0
Magelona pettiboneae	1	1	1	0	0	1	0	1
Poecilochaetus johnsoni	1	0	1	0	0	0	2	0
Spiochaetopterus oculatus	0	0	1	0	0	0	0	0
Tharyx annulosus	0	2	3	2	1	1	1	0
Therochaeta sp. A	0	0	1	0	0	0	0	0
Armandia maculata	8	5	2	1	5	1	2	3
Capitellidae	0	0	1	0	0	0	0	0
Mediomastus californiensis	4	9	12	11	4	3	11	5
Axiothella sp. A	0	3	0	6	5	2	9	2
Owenia fusiformis	3	1	10	2	2	0	2	2
Myriochele oculata	3	1	1	1	2	4	3	1
Pectinaria gouldii	1	0	0	0	0	0	0	0
Ampharetidae	0	0	1	0	0	0	0	0
Ampharete acutifrons	0	0	0	2	1	0	1	5
Isolda pulchella	0	0	0	1	0	0	0	1
Polycirrus sp.	0	0	0	1	0	0	0	1
Loimia medusa	2	1	0	0	0	1	0	0
Amaeana trilobata	0	1	1	0	0	1	1	0
Terebellides stroemi	0	0	0	0	0	0	1	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - 75 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Chone americana	0	0	0	1	2	0	0	2
Fabricia sp.	1	1	5	2	4	1	6	3
Serpulidae	0	0	0	0	1	0	0	0
Vermiliopsis sp.	0	0	0	0	0	0	1	0
Oligochaeta	9	13	20	16	9	9	8	39
MOLLUSCA								
Gastropoda	0	0	0	0	0	0	2	0
Caecum pulchellum	0	0	0	0	0	0	1	0
Caecum imbricatum	0	0	0	0	0	0	1	0
Finella cf. dubia	0	0	0	0	0	0	1	0
Epitonium novangliae	0	0	0	0	0	1	0	0
Crepidula sp.	0	0	1	0	0	1	0	0
Natica pusilla	2	1	2	0	1	0	0	0
Turbonilla conradi	0	0	1	0	0	0	1	1
Turbonilla dalli	0	0	0	1	0	0	0	0
Volvulella persimilis	1	0	1	0	0	0	0	0
Acteocina canaliculata	2	0	0	0	0	0	0	0
Aplacophora sp. A	0	0	0	0	0	1	0	0
Bivalvia	0	1	0	0	0	0	0	0
Nucula crenulata	2	1	1	1	2	1	0	3
Solemya occidentalis	1	2	5	1	5	4	5	8
Crenella divaricata	2	1	8	1	11	5	6	6
Lucina nassula	2	1	3	3	2	0	4	3
Diplodonta punctata	3	2	3	2	3	1	2	5
Myselia planulata	0	0	1	0	0	0	0	0
Crassinella lunulata	1	1	1	0	1	0	1	1
Macoma tenta	0	1	0	1	0	0	0	1
Tellina sp.	2	1	1	0	3	1	4	2
Abra aequalis	2	0	0	0	1	0	0	0
Gouldia cerina	0	0	0	0	0	0	2	1
Dentalium laqueatum	0	0	0	0	1	0	0	0
ARTHROPODA								
Pycnogonid sp. A	0	0	0	0	2	0	0	1
Pycnogonid sp. B	0	0	0	0	0	0	0	1
Ostracoda-Myodocopa	6	17	6	11	13	9	5	11
Parasterope pollex	0	1	0	2	0	1	0	1
Crustacea-Copepoda	4	1	1	2	5	1	4	3
Mysidopsis furca	1	0	0	0	0	0	0	1

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - 75 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Bowmaniella sp.	0	0	0	0	0	0	0	1
Anchialina typica	0	1	0	0	0	0	0	0
Cumella sp. B	1	0	0	0	0	2	2	1
Cumella sp. C	0	0	1	0	0	0	0	0
Cyclaspis cf. unicornis	0	0	0	0	0	1	0	0
Cyclaspis sp. A	1	7	4	3	6	6	3	8
Cyclaspis sp. D	0	0	0	0	1	0	0	0
Apanthura cf. signata	0	0	0	1	1	0	0	2
Xenanthura brevitelson	0	1	1	1	0	0	1	0
Aselota sp.	0	0	0	0	1	0	0	0
Argissa hamatipes	0	0	0	0	0	1	0	0
Cerapus sp. A	1	0	0	0	0	0	0	0
Gammaridae	0	0	1	0	0	0	0	0
Photis melanicus	0	0	0	0	3	0	0	0
Chevalia mexicana	0	0	0	2	0	0	0	0
Leucothoe sp. A	0	0	0	0	0	0	1	0
Listriella cf. barnardi	0	1	0	1	2	0	1	0
Lysianopsis sp. A	0	0	0	0	0	0	0	1
Synchelidium cf. americanum	0	0	0	0	0	0	1	0
Dulichia sp. A	0	1	0	0	2	0	0	1
Megaluropus sp. A	1	0	0	1	0	0	0	1
Luconacia incerta	1	1	1	0	2	0	0	0
Automate cf. evermanni	0	0	1	0	0	0	0	0
Latreutes parvulus	0	0	0	0	0	0	1	0
Processa spp.	0	0	0	0	0	0	1	0
Paguridae	0	0	0	0	0	0	0	1
Pagurus criniticornis	0	0	0	0	0	0	1	0
Hypoconcha arcuata	0	0	2	0	0	0	0	0
Xanthidae	0	0	0	0	0	0	0	1
SIPUNCULA								
Sipuncula	0	2	0	1	1	0	0	1
PHORONIDA								
Phoronis architecta	2	1	0	1	0	1	3	1
ECTOPROCTA								
Ectoprocta	0	0	1	0	0	0	0	0
Selenaria sp.	0	1	0	0	0	0	1	3

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 52 - 75 m From Live Bottom (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
BRACHIOPODA								
Glottidia pyramidata	0	1	0	0	1	1	0	0
ECHINODERMATA								
Asteroidea-Forcipulatida								
Amphiuridae	0	0	0	0	5	0	0	0
Sphaerothuria sp.	1	0	0	0	0	0	0	0
CHORDATA--Urochordata								
Ascidiacea	1	0	0	4	0	0	0	0
CHORDATA--Vertebrata								
Clinidae	0	0	1	0	0	0	0	0

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 53

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
CNIDARIA								
Actiniaria-Athenaria	0	0	0	1	0	0	2	0
RHYNCOCOELA								
Rhynchocoela	4	10	5	13	4	12	7	2
ASCHELMINTHES								
Nematoda	34	25	29	75	36	41	34	27
ANNELIDA								
Polynoidae genus D	2	1	0	0	0	0	0	0
Fimbriosthenelais minor	1	1	0	1	1	0	0	0
Phyllodocidae	0	0	0	0	0	1	0	0
Ancistrosyllis cf. *hamata*	0	0	1	0	0	0	0	0
Synelmis albini	0	0	0	0	0	1	0	0
Syllidae	0	0	1	0	0	0	0	0
Typosyllis sp.	0	0	0	2	1	0	0	0
Typosyllis cf. *lutea*	0	0	0	0	0	0	0	1
Exogone dispar	0	0	1	0	0	0	0	0
Exogone atlantica	0	0	0	0	0	1	0	0
Sphaerosyllis aciculata	0	0	0	1	2	0	0	1
Sphaerosyllis taylori	3	0	1	4	2	6	4	4
Sphaerosyllis piriferopsis	0	0	0	3	3	1	1	2
Ehlersia cornuta	1	0	0	5	0	1	0	0
Haplosyllis spongicola	0	0	1	0	0	0	0	0
Ceratonereis irritabilis	0	1	0	0	0	0	0	0
Ceratonereis versipedata	0	0	0	0	0	0	1	0
Nereis riisei	4	1	2	4	1	1	0	2
Goniadides carolinae	6	0	0	2	3	2	0	0
Onuphidae	0	0	0	0	0	0	3	1
Kimbergonuphis simoni	0	1	1	0	0	0	0	0
Eunice tenuis	0	0	1	0	0	0	0	1
Lumbrineris verrilli	2	0	2	2	1	1	2	1
Drilonereis longa	0	0	1	0	0	0	0	1
Schistomeringos rudolphi	2	3	0	0	1	3	0	1
Pettiboneia sp. A	3	0	0	0	0	0	0	0
Scoloplos rubra	0	0	0	0	0	1	1	0
Aricidea catherinae	0	1	0	0	0	0	0	0
Aricidea fragilis	0	0	0	1	0	0	0	0
Aricidea taylori	0	0	0	0	0	1	0	0

INFAUNAL ABUNDANCE

CRUISE: 111 (May-June 1983)
STATION: 53 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Cirrophorus americanus	5	1	1	5	8	3	2	3
Prionospio cristata	0	0	0	1	0	1	2	0
Spio pettiboneae	0	0	0	1	1	1	1	0
Spiophanes bombyx	1	0	1	0	0	0	0	1
Paraprionospio pinnata	0	0	0	0	0	0	1	0
Scoletepis texana	0	1	0	0	0	0	0	0
Aonides mayaguezensis	0	0	0	0	1	0	0	0
Magelona cf. cincta	0	0	0	0	0	2	0	0
Magelona riojai	0	1	0	0	0	0	0	0
Tharyx annulosus	0	1	0	2	0	0	0	0
Cirratulid sp. A	0	1	0	0	1	0	0	0
Armandia maculata	3	0	0	5	5	7	4	0
Notomastus hemipodus	0	0	0	0	0	0	1	1
Mediomastus sp.	2	0	4	4	4	5	2	3
Leiocapitella sp. A	0	0	0	0	0	1	0	0
Axiothella sp. A	0	0	0	0	1	0	0	0
Owenia fusiformis	0	2	4	3	0	2	0	0
Myriochele oculata	1	0	0	0	0	0	0	0
Terebellidae	0	0	0	0	1	0	0	0
Loimia medusa	0	1	0	3	1	2	1	0
Amaeana trilobata	2	1	1	0	0	0	1	1
Chone americana	0	0	1	1	0	0	0	0
Fabricia sp.	3	0	0	0	0	0	0	1
Hydroides sp.	0	0	0	0	1	0	0	0
Vermiliopsis sp. A	0	0	0	1	4	0	0	0
Oligochaeta	10	9	0	11	2	2	4	0
MOLLUSCA								
Gastropoda	1	0	0	0	0	0	0	0
Caecum pulchellum	1	0	0	0	0	0	0	0
Caecum imbricatum	0	2	0	1	2	0	7	0
Melanella conoidea	0	0	0	0	0	0	1	0
Crepidula sp.	0	1	0	0	0	0	0	0
Mitrella lunata	1	0	0	0	2	0	0	0
Turridae	0	0	0	0	0	0	1	0
Mangelia melanitica	0	0	0	0	1	0	1	0
Terebra sp.	0	0	1	0	0	0	0	0
Odostomia sp.	1	0	0	0	0	0	0	0
Volvulella persimilis	0	0	0	0	1	0	0	0
Acteocina canaliculata	0	0	0	0	0	0	1	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 53 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
MOLLUSCA (Continued)								
Cylichnella bidentata	0	0	1	0	0	0	0	0
Bivalvia	0	0	0	0	0	0	1	0
Nucula crenulata	1	2	1	0	0	1	0	0
Solemya occidentalis	0	0	1	0	0	0	1	0
Crenella divaricata	3	19	19	18	1	7	21	1
Lucina nassula	2	4	8	4	2	3	2	0
Diplodonta punctata	10	1	7	17	4	7	6	2
Mysella planulata	0	0	0	0	1	1	0	0
Crassinella lunulata	2	3	1	4	0	1	2	0
Cardiidae	0	0	0	1	1	0	0	0
Macoma tenta	0	0	1	1	2	1	0	0
Tellina sp.	4	4	0	2	0	2	1	0
Abra aequalis	0	0	0	0	0	2	0	0
Chione cancellata	0	0	0	1	1	0	0	0
Cooperella atlantica	1	0	1	0	1	0	0	0
Pandora sp.	1	0	0	0	0	0	0	0
Dentalium sp.	0	0	0	0	0	1	0	0
ARTHROPODA								
Ostracoda-Myodocopa	10	8	8	8	2	11	5	7
Parasterope pollex	0	0	1	0	0	0	0	0
Crustacea-Copepoda	7	2	2	14	1	3	3	2
Oxyurostylis smithi	0	0	0	1	0	1	0	0
Campylaspis sp. C	0	0	0	0	1	0	0	0
Cumella sp. A	0	0	0	0	0	0	1	0
Cumella sp. B	0	2	2	0	0	1	1	0
Cumella sp. C	0	0	0	0	0	0	0	1
Cyclaspis sp. A	3	2	1	3	2	3	3	1
Cyclaspis sp. D	2	0	0	1	1	0	0	2
Apanthura cf. *signata*	0	0	0	0	1	1	0	0
Xenanthura brevitelson	0	0	0	0	0	0	1	0
Ampelisca sp. A	0	1	0	0	0	4	1	1
Ampelisca sp. B	1	0	0	0	0	0	0	0
Lembos smithi	0	0	0	0	2	0	0	0
Corophium sp. B	0	1	0	0	0	0	0	0
Photis cf. *macromanus*	0	0	1	0	0	1	2	1
Synchelidium cf. *americanum*	1	0	0	0	0	3	0	1
Eudevenopus honduranus	0	0	0	0	0	0	3	0
Megaluropus sp. A	1	0	1	0	1	1	1	1
Automate cf. evermanni	1	0	0	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 53 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
ARTHROPODA (Continued)								
Paguridae	0	0	0	0	1	0	0	0
Brachyura sp. (juvenile)	0	0	0	1	0	0	0	0
Pinnotheridae	0	0	0	0	0	0	0	1
SIPUNCULA								
Sipuncula	0	0	0	2	0	1	0	0
Paraspidosiphon sp.	0	0	1	1	0	0	0	0
PRIAPULIDA								
Tubiluchus corallicola	0	0	1	0	0	0	1	0
BRACHIOPODA								
Glottidia pyramidata	0	0	2	2	0	2	2	0
ECHINODERMATA								
Asteroidea-Forcipulatida	1	0	0	0	0	0	0	0
Amphioplus abditus	0	0	0	0	0	0	0	2

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 54

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
CNIDARIA								
Actiniaria-Athenaria	0	0	0	0	0	0	0	1
RHYNCOCOELA								
Rhynchocoela	8	12	5	9	7	11	8	6
ASCHELMINTHES								
Nematoda	31	4	17	45	17	17	6	11
ANNELIDA								
Polynoidae genus D	0	0	0	0	0	1	0	0
Sthenelais sp.	3	2	2	2	2	4	2	1
Paramphinome sp. B	0	0	2	0	0	0	0	0
Gyptis brevipalpa	0	0	0	0	0	0	1	0
Ancistrosyllis cf. *jonesi*	0	0	0	0	0	0	0	1
Sigambra tentaculata	3	1	3	1	3	1	0	0
Synelmis albini	1	1	9	24	2	1	4	5
Typosyllis sp.	0	0	0	1	0	0	0	0
Sphaerosyllis sp.	0	0	0	1	0	0	0	0
Sphaerosyllis taylori	0	1	0	6	0	0	1	1
Ehlersia ferrugina	0	0	1	1	1	0	0	1
Nereidae	0	0	0	3	0	0	1	0
Neanthes micromma	1	0	0	0	1	0	2	1
Glycera americana	0	0	0	0	0	0	0	1
Mooreonuphis nebulosus	0	0	0	1	0	0	1	0
Lumbrineris ernesti	0	0	0	0	1	0	0	1
Lumbrineris verrilli	5	5	5	8	4	1	2	0
Pettiboneia sp. A	1	0	1	3	2	0	1	0
Scoloplos rubra	0	0	0	1	0	0	0	0
Aricidea wassi	3	2	4	1	4	1	1	1
Aricidea catherinae	0	0	1	0	1	0	1	0
Aricidea fragilis	4	2	2	1	3	5	1	0
Aricidea philbinae	1	1	1	1	0	2	0	1
Aricidea taylori	1	0	3	2	2	1	0	0
Aricidea sp. D	0	3	1	1	1	0	0	4
Cirrophorus americanus	3	0	1	6	1	0	0	0
Prionospio cirrifera	2	0	0	1	1	0	1	0
Prionospio cirrobranchiata	0	0	1	0	2	4	0	0
Prionospio cristata	13	14	7	26	6	2	10	10
Paraprionospio pinnata	5	7	17	5	15	9	9	7

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 54 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
ANNELIDA (Continued)								
Apoprionospio pygmaea	0	0	0	1	0	0	0	0
Poecilochaetus johnsoni	0	0	0	0	0	0	1	0
Cossura soyeri	0	0	1	0	0	0	1	2
Armandia maculata	0	0	0	1	0	0	1	0
Capitella capitata	1	0	0	0	0	0	0	0
Notomastus latericeus	0	0	0	0	1	0	0	1
Notomastus hemipodus	1	0	0	0	0	0	0	0
Notomastus daueri	2	2	1	1	1	2	2	2
Mediomastus sp.	11	4	6	9	4	4	3	4
Leiocapitella sp. B	0	0	0	0	0	1	0	0
Axiothella sp. A	0	0	0	0	1	0	0	1
Owenia fusiformis	1	0	0	0	0	0	1	0
Myriochele oculata	0	2	2	0	0	1	0	1
Pista cristata	0	0	0	0	0	4	0	0
Amaeana trilobata	0	0	0	0	0	0	2	0
Terebellides stroemi	1	0	0	0	0	0	1	0
Megalomma bioculatum	1	0	0	0	0	0	0	0
Fabricia sp.	2	0	2	0	1	2	1	2
Grubeulepis augeneri	0	0	0	0	1	0	0	0
Oligochaeta	66	44	16	27	18	15	33	14
MOLLUSCA								
Caecum pulchellum	0	0	1	0	0	0	0	0
Melanella intermedia	0	0	0	0	0	0	0	1
Natica pusilla	0	0	3	0	1	3	1	2
Olivella pusilla	0	0	2	0	4	1	0	0
Mangelia melanitica	0	0	1	0	0	0	0	0
Turbonilla conradi	0	0	2	1	0	0	0	1
Acteon punctostriatus	0	0	1	0	0	0	0	0
Haminoea succinea	0	0	0	0	1	1	0	0
Volvulella persimilis	0	0	1	0	0	0	0	0
Nucula crenulata	2	0	1	0	5	0	1	3
Nuculana concentrica	4	2	4	5	9	6	2	4
Solemya occidentalis	0	1	0	0	0	0	0	1
Lucina nassula	9	14	12	15	16	8	11	17
Anodontia alba	0	0	0	0	0	0	1	0
Linga amiantus	4	3	6	3	7	1	4	10
Diplodonta punctata	2	1	2	3	4	2	2	4
Crassinella lunulata	0	0	0	0	0	0	0	1
Macoma tenta	3	1	1	0	0	1	1	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 54 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE Replicate No. 1	2	3	4	5	6	7	8
MOLLUSCA (Continued)								
Tellina sp.	2	1	0	2	2	1	0	4
Tellina versicolor	0	0	0	0	0	1	0	0
Tellina tampaensis	0	0	0	0	1	0	0	1
Abra aequalis	1	0	1	0	3	0	1	3
Pitarinae	0	0	0	0	0	1	0	0
Pandora bushiana	0	0	0	3	0	0	0	1
Chama congregata	2	0	0	0	0	0	0	0
Dentalium laqueatum	1	0	0	0	0	1	0	6
Dentalium texasianum	0	0	3	0	3	0	0	0
ARTHROPODA								
Ostracoda-Myodocopa	8	5	18	8	10	7	2	9
Parasterope pollex	0	6	3	6	3	1	0	1
Crustacea-Copepoda	2	1	2	5	3	7	0	5
Mysidopsis furca	0	0	1	0	0	0	0	0
Leucon sp. A	1	1	1	1	1	2	0	3
Cyclaspis sp. D	1	2	1	1	0	1	1	0
Ampelisca sp. C	1	1	2	0	1	0	0	2
Lembos sp.	0	0	0	1	0	0	0	0
Photis melanicus	0	0	1	0	0	1	0	0
Photis cf. macromanus	0	1	0	0	0	0	0	0
Listriella cf. barnardi	0	2	1	0	1	2	1	1
Monoculodes nyei	0	0	0	0	0	0	0	2
Synchelidium cf. americanum	0	0	1	0	0	1	0	0
Megaluropus sp.	0	0	0	0	0	1	0	0
Penaeus duorarum	0	0	0	0	1	0	0	0
Sicyonia cf. brevirostris	0	1	0	0	0	0	0	0
Leptochela serratorbita	0	0	0	0	0	1	1	0
Processa spp.	0	0	0	0	1	0	0	0
Processa hemphilli	0	0	0	0	0	1	0	0
Paguridae	0	0	1	0	0	1	0	0
SIPUNCULA								
Phascolion sp.	2	0	0	2	0	0	2	0
PRIAPULIDA								
Tubiluchus corallicola	0	1	0	0	0	0	0	0

INFAUNAL ABUNDANCE

CRUISE: III (May-June 1983)
STATION: 54 (Continued)

Taxon	NUMBER PER 0.0156 m^2 REPLICATE							
	Replicate No.							
	1	2	3	4	5	6	7	8
PHORONIDA								
Phoronis architecta	1	0	0	0	1	0	0	0

Taxa are listed in the same order as in the Master Taxon List (Appendix K).

INFAUNAL ABUNDANCE SUMMARY

Station	Total No. Individuals Collected								
	Polychaetes	Crustaceans*	Molluscs	Nematodes	Oligochaetes	Copepods	Others	Total (All groups)	Total†
CRUISE II:									
40	947	99	33	3	1	0	21	1,104	1,100
41	439	199	45	1,857	85	0	78	2,703	761
42	414	227	63	1,793	250	0	60	2,807	764
43	272	173	126	730	34	0	52	1,387	623
46	588	260	63	1,007	464	0	154	2,536	1,065
48	426	214	33	326	94	0	99	1,192	772
49	242	151	34	523	208	0	90	1,248	517
50	736	243	110	169	85	0	114	1,457	1,203
52-LB	342	137	35	258	68	0	98	938	612
52-5m	737	211	42	335	54	0	261	1,640	1,251
52-8m	775	236	23	199	45	0	209	1,487	1,243
52-30m	697	250	62	249	58	0	239	1,555	1,248
52-75m	848	256	91	384	96	0	152	1,827	1,347
53	954	486	70	512	147	0	149	2,318	1,659
54	469	79	153	134	196	0	113	1,144	814
CRUISE III:									
40	163	79	96	0	1	30	37	406	375
41	707	123	186	3,003	56	36	254	4,365	1,270
42	153	102	151	114	7	18	26	571	432
43	277	265	392	297	4	147	69	1,451	1,003
46	225	124	67	182	19	33	46	696	462
48	293	173	63	205	16	66	53	869	582
49	356	172	114	129	54	30	50	905	692
50	240	138	94	134	46	84	53	789	525
52-LB	645	230	211	436	31	39	121	1,713	1,207
52-5m	675	192	159	475	35	23	112	1,671	1,138
52-8m	698	233	169	547	58	27	130	1,862	1,230
52-30m	886	234	102	663	71	25	144	2,125	1,366
52-75m	677	179	176	312	123	21	128	1,616	1,160
53	273	132	247	301	38	34	78	1,103	730
54	500	137	292	148	233	25	76	1,411	1,005

Total area sampled per station was 0.125 m^2 on each cruise.

*Does not include copepods.
†Excluding nematodes, oligochaetes, and copepods.

INFAUNAL SPECIES RICHNESS SUMMARY

Station	Species Identified				
	Polychaetes	Crustaceans	Molluscs	Others	Total
CRUISE II:					
40	25	18	12	3	58
41	42	22	12	3	79
42	46	32	12	2	92
43	45	25	17	5	92
46	55	46	15	6	122
48	39	40	15	2	96
49	43	33	10	6	92
50	52	40	19	4	115
52-LB	56	33	11	10	110
52-5m	74	32	9	14	129
52-8m	82	43	5	13	143
52-30m	73	40	16	8	137
52-75m	72	48	20	7	147
53	64	42	22	7	135
54	36	20	17	2	75
CRUISE III:					
40	27	10	12	1	50
41	40	23	23	3	89
42	23	17	18	2	60
43	38	34	25	3	100
46	39	26	16	3	84
48	37	24	16	3	80
49	32	20	9	2	63
50	42	27	17	2	88
52-LB	58	26	22	2	108
52-5m	56	21	25	2	104
52-8m	54	28	21	3	106
52-30m	71	32	17	2	122
52-75m	58	25	21	2	106
53	46	19	19	3	87
54	42	14	26	2	84
All Stations/ Cruises	243	187	122	27	579

APPENDIX J

SEDIMENT GRAIN SIZE AND CARBONATE DATA

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STATISTICAL MEASURES OF GRAIN SIZE

The statistics used on the grain size distribution were performed using the following formulae:

Where: phi (ϕ) = $-\log_2(x)$; x = particle size in millimeters

(1) Median = phi value at 50 percent level

(2) Mean grain size (Mz) - overall size measure (Folk, 1974).

$$Mz = \frac{\phi 16 + \phi 50 + \phi 84}{3}$$

Class	phi (ϕ)	mm
Gravel	<-1	>2.0
Very coarse sand	-1 to 0	1.0 to 2.0
Coarse sand	0 to 1	0.5 to 1.0
Medium sand	1 to 2	0.25 to 0.5
Fine sand	2 to 3	0.125 to 0.25
Very fine sand	3 to 4	0.0625 to 0.125
Silt-clay	<4	<0.0625

(3) Inclusive graphic standard deviation (sorting coefficient) (σ) measure of uniformity or sorting (Folk, 1974).

$$\sigma = \frac{\phi 84 - \phi 16}{4} + \frac{\phi 95 - \phi 5}{6.6}$$

Values	Degree of Sorting
<0.35	Very well sorted
0.35 to 0.50	Well sorted
0.50 to 0.71	Moderately well sorted
0.71 to 1.00	Moderately sorted
1.00 to 2.00	Poorly sorted
2.00 to 4.00	Very poorly sorted

(4) Inclusive graphic skewness (Sk) - the degree of asymmetry between the central part of the grain size composition curve and the "tail" portions of the curve (Folk, 1974).

$$Sk = \frac{\phi 16 + \phi 84 - 2\phi 50}{2\,(\phi 84 - \phi 16)} + \frac{\phi 5 + \phi 95 - 2\phi 50}{2\,(\phi 95 - \phi 5)}$$

Sk Values	Degree of Skewness
+1.00 to +0.30	Strongly fine-skewed
+0.30 to +0.10	Fine-skewed
+0.10 to -0.10	Near symmetrical
-0.10 to -0.30	Coarse skewed

(5) Graphic kurtosis (Kg) - ratio between the sorting in the "tails" of the granulometric curve and the sorting of the new central portion of the curve (Folk, 1974).

$$Kg = \frac{\phi 95 - \phi 5}{2.44\ (\phi 75 - \phi 25)}$$

Kg Values	Degree of Kurtosis
<0.67	Very platykurtic
0.67 to 0.90	Platykurtic
0.90 to 1.11	Mesokurtic
1.11 to 1.50	Leptokurtic
1.50 to 3.00	Very leptokurtic
>3.00	Extremely leptokurtic

Literature Cited

Folk, F. L. 1974. Petrology of Sedimentary Rocks. Hemphill Publishing Co., Austin, TX. 182 pp.

TABLE J.1. SUMMARY OF GRAIN SIZE MOMENTS, CRUISE II.

Station	Median Grain Size Mean	Median Grain Size SD	Median Grain Size Mean	Median Grain Size SD	Sorting Coefficient Mean	Sorting Coefficient SD	Skewness Mean	Skewness SD	Kurtosis Mean	Kurtosis SD
40	2.82	0.02	3.00	0.04	1.20	0.04	0.43	0.02	2.34	1.53
41	1.28	0.16	1.07	0.11	0.91	0.03	-0.32	0.08	0.95	0.08
42	1.62	0.02	1.46	0.02	0.64	0.02	-0.41	0.02	1.32	0.06
43	1.63	0.01	1.54	0.02	0.54	0.74	-0.22	0.05	1.35	0.03
46	1.63	0.06	1.54	0.08	0.75	0.03	-0.15	0.02	1.13	0.08
48	2.18	0.09	2.19	0.06	0.68	0.01	-0.03	0.02	1.09	0.01
49	2.25	0.07	1.89	0.19	1.13	0.17	-0.57	0.04	1.72	0.24
50	2.40	0.03	2.22	0.08	0.94	0.05	-0.35	0.02	1.39	0.11
52-LB	1.13	0.47	1.10	0.49	2.05	0.17	0.01	0.08	1.20	0.20
52-5m	0.73	0.37	0.51	0.16	2.81	0.10	0.04	0.06	0.70	0.03
52-8m	1.29	0.46	0.81	0.21	2.89	0.06	-0.06	0.08	0.77	0.03
52-30m	2.37	0.11	1.48	0.29	2.88	0.07	-0.25	0.06	1.35	0.21
52-75m	2.38	0.12	1.72	0.42	2.35	0.30	-0.29	0.08	1.38	0.19
53	1.97	0.19	1.68	0.38	1.97	0.32	-0.12	0.16	1.65	0.21
54	2.07	0.43	2.25	0.34	2.83	0.09	0.13	0.06	0.93	0.04

Values are in phi units.

TABLE J.2. SUMMARY OF GRAIN SIZE MOMENTS, CRUISE III.

Station	Median Grain Size Mean	Median Grain Size SD	Sorting Coefficient Mean	Sorting Coefficient SD	Skewness Mean	Skewness SD	Kurtosis Mean	Kurtosis SD
40	2.76	0.04	2.82	0.07	0.76	0.02	0.20	0.06	1.72	0.02
41	0.98	0.03	0.87	0.01	0.97	0.01	-0.16	0.01	0.80	0.01
42	1.80	0.02	1.81	0.06	0.50	0.04	-0.12	0.09	1.64	0.08
43	1.66	0.01	1.56	0.01	0.56	0.01	-0.16	0.05	1.47	0.04
46	2.11	0.16	2.14	0.14	0.71	0.03	-0.01	0.01	1.10	0.07
48	2.60	0.02	2.52	0.04	0.60	0.06	-0.15	0.01	1.28	0.09
49	2.42	0.02	2.40	0.06	0.64	0.11	-0.34	0.08	1.81	0.27
50	2.36	0.04	2.24	0.02	0.82	0.13	-0.28	0.53	1.20	0.11
52-LB	0.80	1.07	0.50	0.55	2.40	0.06	-0.09	0.25	0.75	0.18
52-5m	2.27	0.55	1.65	0.85	2.80	0.13	-0.18	0.12	1.34	0.67
52-8m	1.98	0.52	1.25	0.47	2.64	0.20	-0.26	0.10	1.02	0.46
52-30m	1.70	0.08	0.96	0.09	2.56	0.04	-0.27	0.01	0.82	0.11
52-75m	2.14	0.13	1.40	0.12	2.48	0.06	-0.32	0.01	1.05	0.08
53	1.70	0.06	1.39	0.17	1.74	0.11	-0.29	0.04	1.30	0.08
54	3.44	0.09	2.86	0.02	2.99	0.06	-0.12	0.04	1.06	0.01

Values are in phi units.

Cruise II
Station 40
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.0	0.0
-1.50	2.828	0.05	0.05
-1.00	2.000	0.10	0.15
-0.50	1.414	0.21	0.36
0.0	1.000	0.39	0.75
0.50	0.707	0.58	1.33
1.00	0.500	0.89	2.22
1.50	0.354	0.54	2.76
2.00	0.250	7.31	10.07
2.50	0.177	11.00	21.07
3.00	0.125	41.95	63.01
3.50	0.088	13.49	76.50
4.00	0.062	7.62	84.12
5.00	0.031	6.17	90.29
6.00	0.016	3.14	93.42
7.00	0.008	2.13	95.55
8.00	0.004	1.35	96.90
9.00	0.002	0.90	97.80
10.00	0.001	0.88	98.68
>10.00	<0.001	1.32	100.00

Median Grain Size (phi)	2.85
Mean Grain Size (phi)	3.03
Sorting Coefficient	0.89
Skewness	0.27
Kurtosis	1.39
Percent Carbonate	36.91

Cruise II
Station 40
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.04	0.04
-1.50	2.828	0.03	0.07
-1.00	2.000	0.05	0.12
-0.50	1.414	0.21	0.34
0.0	1.000	0.47	0.81
0.50	0.707	0.73	1.53
1.00	0.500	0.92	2.45
1.50	0.354	0.90	3.35
2.00	0.250	4.93	8.28
2.50	0.177	18.90	27.17
3.00	0.125	36.79	63.96
3.50	0.088	14.53	78.49
4.00	0.062	5.82	84.31
5.00	0.031	5.77	90.08
6.00	0.016	2.79	92.87
7.00	0.008	2.33	95.20
8.00	0.004	1.16	96.36
9.00	0.002	0.80	97.16
10.00	0.001	0.92	98.08
>10.00	<0.001	1.92	100.00

Median Grain Size (phi)	2.81
Mean Grain Size (phi)	3.00
Sorting Coefficient	0.90
Skewness	0.28
Kurtosis	1.32
Percent Carbonate	19.25

Cruise II
Station 40
Replicate 3

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.0	0.0
-1.50	2.828	0.03	0.03
-1.00	2.000	0.08	0.11
-0.50	1.414	0.26	0.37
0.0	1.000	0.44	0.81
0.50	0.707	0.65	1.46
1.00	0.500	0.83	2.28
1.50	0.354	0.87	3.16
2.00	0.250	5.04	8.20
2.50	0.177	16.81	25.02
3.00	0.125	39.88	64.89
3.50	0.088	14.86	79.75
4.00	0.062	6.15	85.90
5.00	0.031	4.90	90.80
6.00	0.016	3.36	94.16
7.00	0.008	1.33	95.49
8.00	0.004	0.99	96.48
9.00	0.002	0.87	97.35
10.00	0.001	0.94	98.29
>10.00	<0.001	1.71	100.00

Median Grain Size (phi)	2.81
Mean Grain Size (phi)	2.96
Sorting Coefficient	0.85
Skewness	0.26
Kurtosis	1.45
Percent Carbonate	17.03

Cruise II
Station 41
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.10	0.10
-1.50	2.828	0.60	0.70
-1.00	2.000	1.34	2.04
-0.50	1.414	3.69	5.73
0.0	1.000	6.77	12.50
0.50	0.707	9.14	21.64
1.00	0.500	13.65	35.29
1.50	0.354	17.30	52.59
2.00	0.250	37.24	89.83
2.50	0.177	6.53	96.35
3.00	0.125	2.51	98.87
3.50	0.088	0.21	99.07
4.00	0.062	0.11	99.18
5.00	0.031	0.12	99.30
6.00	0.016	0.11	99.41
7.00	0.008	0.05	99.46
8.00	0.004	0.02	99.48
9.00	0.002	0.02	99.50
10.00	0.001	0.0	99.50
>10.00	<0.001	0.50	100.00

Median Grain Size (phi)	1.43
Mean Grain Size (phi)	1.18
Sorting Coefficient	0.89
Skewness	-0.39
Kurtosis	1.04
Percent Carbonate	34.08

Cruise II
Station 41
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.07	0.07
-1.50	2.828	0.48	0.54
-1.00	2.000	2.05	2.60
-0.50	1.414	5.52	8.11
0.0	1.000	9.89	18.01
0.50	0.707	12.36	30.36
1.00	0.500	15.88	46.24
1.50	0.354	16.94	63.18
2.00	0.250	28.81	91.99
2.50	0.177	5.52	97.51
3.00	0.125	1.67	99.18
3.50	0.088	0.11	99.29
4.00	0.062	0.05	99.34
5.00	0.031	0.10	99.44
6.00	0.016	0.09	99.53
7.00	0.008	0.05	99.58
8.00	0.004	0.03	99.61
9.00	0.002	0.0	99.61
10.00	0.001	0.01	99.62
>10.00	<0.001	0.38	100.00

Median Grain Size (phi)	1.11
Mean Grain Size (phi)	0.96
Sorting Coefficient	0.95
Skewness	-0.24
Kurtosis	0.88
Percent Carbonate	33.79

Cruise II
Station 41
Replicate 3

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.13	0.13
-1.50	2.828	0.27	0.40
-1.00	2.000	1.31	1.71
-0.50	1.414	4.08	5.79
0.0	1.000	8.87	14.67
0.50	0.707	11.18	25.85
1.00	0.500	13.53	39.37
1.50	0.354	18.19	57.56
2.00	0.250	33.57	91.13
2.50	0.177	5.92	97.04
3.00	0.125	2.08	99.12
3.50	0.088	0.13	99.26
4.00	0.062	0.06	99.32
5.00	0.031	0.08	99.40
6.00	0.016	0.13	99.53
7.00	0.008	0.05	99.58
8.00	0.004	0.03	99.61
9.00	0.002	0.03	99.64
10.00	0.001	0.01	99.65
>10.00	<0.001	0.35	100.00

Median Grain Size (phi)	1.29
Mean Grain Size (phi)	1.08
Sorting Coefficient	0.90
Skewness	-0.32
Kurtosis	0.92
Percent Carbonate	38.78

Cruise II
Station 42
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.22	0.22
-1.50	2.828	0.25	0.47
-1.00	2.000	0.84	1.31
-0.50	1.414	1.37	2.68
0.0	1.000	2.80	5.48
0.50	0.707	4.83	10.31
1.00	0.500	9.18	19.49
1.50	0.354	17.09	36.58
2.00	0.250	49.69	86.28
2.50	0.177	12.48	98.75
3.00	0.125	0.73	99.49
3.50	0.088	0.08	99.57
4.00	0.062	0.03	99.60
5.00	0.031	0.07	99.67
6.00	0.016	0.0	99.67
7.00	0.008	0.0	99.67
8.00	0.004	0.02	99.69
9.00	0.002	0.01	99.70
10.00	0.001	0.01	99.71
>10.00	<0.001	0.29	100.00

Median Grain Size (phi)	1.64
Mean Grain Size (phi)	1.47
Sorting Coefficient	0.66
Skewness	-0.41
Kurtosis	1.38
Percent Carbonate	32.01

Cruise II
Station 42
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.10	0.10
-1.50	2.828	0.26	0.37
-1.00	2.000	0.51	0.88
-0.50	1.414	1.43	2.31
0.0	1.000	2.87	5.18
0.50	0.707	5.12	10.31
1.00	0.500	9.91	20.21
1.50	0.354	18.03	38.24
2.00	0.250	53.95	92.19
2.50	0.177	5.83	98.02
3.00	0.125	0.96	98.98
3.50	0.088	0.19	99.17
4.00	0.062	0.05	99.22
5.00	0.031	0.08	99.30
6.00	0.016	0.05	99.35
7.00	0.008	0.04	99.39
8.00	0.004	0.03	99.42
9.00	0.002	0.01	99.43
10.00	0.001	0.0	99.43
>10.00	<0.001	0.57	100.00

Median Grain Size (phi)	1.61
Mean Grain Size (phi)	1.44
Sorting Coefficient	0.63
Skewness	-0.45
Kurtosis	1.32
Percent Carbonate	28.24

Cruise II
Station 42
Replicate 3

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.0	0.0
-1.50	2.828	0.12	0.12
-1.00	2.000	0.47	0.59
-0.50	1.414	1.27	1.86
0.0	1.000	2.69	4.55
0.50	0.707	5.16	9.71
1.00	0.500	10.61	20.32
1.50	0.354	18.42	38.73
2.00	0.250	49.43	88.16
2.50	0.177	10.45	98.62
3.00	0.125	0.56	99.18
3.50	0.088	0.06	99.24
4.00	0.062	0.03	99.27
5.00	0.031	0.21	99.48
6.00	0.016	0.01	99.49
7.00	0.008	0.08	99.57
8.00	0.004	0.01	99.58
9.00	0.002	0.03	99.61
10.00	0.001	0.0	99.61
>10.00	<0.001	0.39	100.00

Median Grain Size (phi)	1.61
Mean Grain Size (phi)	1.45
Sorting Coefficient	0.64
Skewness	-0.39
Kurtosis	1.26
Percent Carbonate	28.22

Cruise II
Station 43
Replicate 1

Grain Size			Cumulative
Phi	mm	Weight Percent	Weight Percent
-2.00	4.000	0.05	0.05
-1.50	2.828	0.12	0.17
-1.00	2.000	0.44	0.61
-0.50	1.414	0.81	1.42
0.0	1.000	1.40	2.82
0.50	0.707	2.72	5.54
1.00	0.500	8.67	14.20
1.50	0.354	22.35	36.55
2.00	0.250	53.02	89.56
2.50	0.177	6.63	96.19
3.00	0.125	1.94	98.13
3.50	0.088	0.98	99.11
4.00	0.062	0.25	99.36
5.00	0.031	0.24	99.60
6.00	0.016	0.07	99.67
7.00	0.008	0.03	99.70
8.00	0.004	0.03	99.73
9.00	0.002	0.01	99.74
10.00	0.001	0.0	99.74
>10.00	<0.001	0.26	100.00

Median Grain Size (phi)	1.63
Mean Grain Size (phi)	1.54
Sorting Coefficient	0.53
Skewness	-0.26
Kurtosis	1.33
Percent Carbonate	87.92

Cruise II
Station 43
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.04	0.04
-1.50	2.828	0.25	0.28
-1.00	2.000	0.34	0.63
-0.50	1.414	0.51	1.13
0.0	1.000	1.01	2.14
0.50	0.707	2.41	4.55
1.00	0.500	8.29	12.84
1.50	0.354	23.35	36.19
2.00	0.250	51.38	87.57
2.50	0.177	6.96	94.54
3.00	0.125	2.06	96.59
3.50	0.088	1.14	97.73
4.00	0.062	0.36	98.09
5.00	0.031	0.41	98.50
6.00	0.016	0.10	98.60
7.00	0.008	0.20	98.80
8.00	0.004	0.02	98.82
9.00	0.002	0.08	98.90
10.00	0.001	0.08	98.98
>10.00	<0.001	1.02	100.00

Median Grain Size (phi)	1.63
Mean Grain Size (phi)	1.56
Sorting Coefficient	0.54
Skewness	-0.16
Kurtosis	1.38
Percent Carbonate	87.77

Cruise II
Station 43
Replicate 3

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.05	0.05
-1.50	2.828	0.34	0.40
-1.00	2.000	0.53	0.93
-0.50	1.414	0.63	1.55
0.0	1.000	1.42	2.97
0.50	0.707	2.80	5.77
1.00	0.500	8.98	14.75
1.50	0.354	23.36	38.11
2.00	0.250	50.80	88.91
2.50	0.177	6.70	95.61
3.00	0.125	2.10	97.71
3.50	0.088	1.17	98.88
4.00	0.062	0.29	99.17
5.00	0.031	0.11	99.28
6.00	0.016	0.08	99.36
7.00	0.008	0.08	99.44
8.00	0.004	0.0	99.44
9.00	0.002	0.05	99.49
10.00	0.001	0.02	99.51
>10.00	<0.001	0.49	100.00

Median Grain Size (phi)	1.62
Mean Grain Size (phi)	1.53
Sorting Coefficient	0.55
Skewness	-0.24
Kurtosis	1.33
Percent Carbonate	88.04

Cruise II
Station 46
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.01	0.01
-1.50	2.828	0.08	0.09
-1.00	2.000	0.17	0.26
-0.50	1.414	0.29	0.55
0.0	1.000	1.20	1.76
0.50	0.707	4.37	6.13
1.00	0.500	12.33	18.46
1.50	0.354	17.14	35.60
2.00	0.250	39.26	74.86
2.50	0.177	16.54	91.40
3.00	0.125	6.62	98.02
3.50	0.088	0.87	98.89
4.00	0.062	0.24	99.13
5.00	0.031	0.20	99.33
6.00	0.016	0.12	99.45
7.00	0.008	0.06	99.51
8.00	0.004	0.07	99.58
9.00	0.002	0.0	99.58
10.00	0.001	0.06	99.64
>10.00	<0.001	0.36	100.00

Median Grain Size (phi)	1.68
Mean Grain Size (phi)	1.62
Sorting Coefficient	0.71
Skewness	-0.12
Kurtosis	1.21
Percent Carbonate	96.88

Cruise II
Station 46
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.02	0.02
-1.50	2.828	0.02	0.05
-1.00	2.000	0.14	0.19
-0.50	1.414	0.55	0.73
0.0	1.000	2.57	3.30
0.50	0.707	7.43	10.73
1.00	0.500	16.92	27.65
1.50	0.354	17.61	45.26
2.00	0.250	34.10	79.36
2.50	0.177	13.75	93.11
3.00	0.125	4.81	97.92
3.50	0.088	0.60	98.53
4.00	0.062	0.74	99.26
5.00	0.031	0.11	99.37
6.00	0.016	0.06	99.43
7.00	0.008	0.09	99.52
8.00	0.004	0.0	99.52
9.00	0.002	0.03	99.55
10.00	0.001	0.01	99.56
>10.00	<0.001	0.44	100.00

Median Grain Size (phi)	1.57
Mean Grain Size (phi)	1.46
Sorting Coefficient	0.76
Skewness	-0.18
Kurtosis	1.02
Percent Carbonate	96.42

Cruise II
Station 46
Replicate 3

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.0	0.0
-1.50	2.828	0.04	0.04
-1.00	2.000	0.12	0.15
-0.50	1.414	0.50	0.65
0.0	1.000	1.95	2.60
0.50	0.707	6.10	8.70
1.00	0.500	14.08	22.78
1.50	0.354	16.83	39.61
2.00	0.250	36.12	75.73
2.50	0.177	15.93	91.66
3.00	0.125	6.24	97.90
3.50	0.088	0.88	98.78
4.00	0.062	0.20	98.98
5.00	0.031	0.19	99.17
6.00	0.016	0.09	99.26
7.00	0.008	0.07	99.33
8.00	0.004	0.06	99.39
9.00	0.002	0.02	99.41
10.00	0.001	0.07	99.48
>10.00	<0.001	0.52	100.00

Median Grain Size (phi)	1.64
Mean Grain Size (phi)	1.55
Sorting Coefficient	0.76
Skewness	-0.15
Kurtosis	1.14
Percent Carbonate	68.12

Cruise II
Station 48
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.13	0.13
-1.50	2.828	0.06	0.19
-1.00	2.000	0.21	0.40
-0.50	1.414	0.42	0.81
0.0	1.000	0.64	1.45
0.50	0.707	1.30	2.75
1.00	0.500	3.04	5.79
1.50	0.354	6.79	12.58
2.00	0.250	27.26	39.84
2.50	0.177	28.78	68.63
3.00	0.125	24.34	92.97
3.50	0.088	3.87	96.83
4.00	0.062	1.13	97.96
5.00	0.031	0.82	98.78
6.00	0.016	0.19	98.97
7.00	0.008	0.18	99.15
8.00	0.004	0.06	99.21
9.00	0.002	0.05	99.26
10.00	0.001	0.11	99.37
>10.00	<0.001	0.63	100.00

Median Grain Size (phi)	2.18
Mean Grain Size (phi)	2.19
Sorting Coefficient	0.68
Skewness	-0.04
Kurtosis	1.09
Percent Carbonate	91.64

Cruise II
Station 48
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.0	0.0
-1.50	2.828	0.10	0.10
-1.00	2.000	0.21	0.31
-0.50	1.414	0.62	0.93
0.0	1.000	0.93	1.86
0.50	0.707	1.55	3.41
1.00	0.500	3.76	7.17
1.50	0.354	8.48	15.65
2.00	0.250	29.31	44.96
2.50	0.177	26.69	71.64
3.00	0.125	22.41	94.05
3.50	0.088	3.17	97.23
4.00	0.062	0.86	98.09
5.00	0.031	0.65	98.74
6.00	0.016	0.27	99.01
7.00	0.008	0.11	99.12
8.00	0.004	0.05	99.17
9.00	0.002	0.05	99.22
10.00	0.001	0.09	99.31
>10.00	<0.001	0.69	100.00

Median Grain Size (phi)	2.09
Mean Grain Size (phi)	2.13
Sorting Coefficient	0.69
Skewness	-0.03
Kurtosis	1.09
Percent Carbonate	91.98

Cruise II
Station 48
Replicate 3

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.0	0.0
-1.50	2.828	0.08	0.08
-1.00	2.000	0.11	0.19
-0.50	1.414	0.29	0.48
0.0	1.000	0.51	0.99
0.50	0.707	0.82	1.81
1.00	0.500	2.22	4.03
1.50	0.354	5.66	9.68
2.00	0.250	24.82	34.51
2.50	0.177	29.29	63.79
3.00	0.125	27.24	91.03
3.50	0.088	4.31	95.34
4.00	0.062	1.45	96.79
5.00	0.031	1.10	97.89
6.00	0.016	0.36	98.25
7.00	0.008	0.20	98.45
8.00	0.004	0.08	98.53
9.00	0.002	0.21	98.74
10.00	0.001	0.18	98.92
>10.00	<0.001	1.08	100.00

Median Grain Size (phi)	2.20
Mean Grain Size (phi)	2.25
Sorting Coefficient	0.67
Skewness	0.01
Kurtosis	1.09
Percent Carbonate	89.17

Cruise II
Station 49
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	1.17	1.17
-1.50	2.828	0.99	2.16
-1.00	2.000	1.58	3.74
-0.50	1.414	2.50	6.25
0.0	1.000	3.33	9.58
0.50	0.707	3.50	13.08
1.00	0.500	3.41	16.49
1.50	0.354	2.34	18.84
2.00	0.250	11.83	30.67
2.50	0.177	40.55	71.22
3.00	0.125	26.49	97.71
3.50	0.088	0.93	98.64
4.00	0.062	0.12	98.76
5.00	0.031	0.13	98.89
6.00	0.016	0.14	99.03
7.00	0.008	0.11	99.14
8.00	0.004	0.04	99.18
9.00	0.002	0.12	99.30
10.00	0.001	0.15	99.45
>10.00	<0.001	0.55	100.00

Median Grain Size (phi)	2.24
Mean Grain Size (phi)	1.97
Sorting Coefficient	1.01
Skewness	-0.53
Kurtosis	1.87
Percent Carbonate	21.71

Cruise II
Station 49
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	1.26	1.26
-1.50	2.828	0.96	2.23
-1.00	2.000	2.00	4.22
-0.50	1.414	2.65	6.88
0.0	1.000	3.27	10.15
0.50	0.707	3.27	13.42
1.00	0.500	2.84	16.26
1.50	0.354	2.09	18.35
2.00	0.250	9.71	28.07
2.50	0.177	33.24	61.31
3.00	0.125	35.75	97.06
3.50	0.088	0.89	97.95
4.00	0.062	0.18	98.13
5.00	0.031	0.11	98.24
6.00	0.016	0.13	98.37
7.00	0.008	0.20	98.57
8.00	0.004	0.15	98.72
9.00	0.002	0.10	98.82
10.00	0.001	0.01	98.83
>10.00	<0.001	1.17	100.00

Median Grain Size (phi)	2.33
Mean Grain Size (phi)	2.03
Sorting Coefficient	1.05
Skewness	-0.57
Kurtosis	1.84
Percent Carbonate	24.91

Cruise II
Station 49
Replicate 3

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	2.83	2.83
-1.50	2.828	1.37	4.20
-1.00	2.000	2.61	6.81
-0.50	1.414	3.88	10.70
0.0	1.000	4.82	15.52
0.50	0.707	4.34	19.86
1.00	0.500	3.56	23.42
1.50	0.354	2.15	25.57
2.00	0.250	11.33	36.90
2.50	0.177	33.69	70.59
3.00	0.125	27.14	97.72
3.50	0.088	0.87	98.59
4.00	0.062	0.16	98.75
5.00	0.031	0.15	98.90
6.00	0.016	0.15	99.05
7.00	0.008	0.05	99.10
8.00	0.004	0.05	99.15
9.00	0.002	0.05	99.20
10.00	0.001	0.05	99.25
>10.00	<0.001	0.75	100.00

Median Grain Size (phi)	2.20
Mean Grain Size (phi)	1.67
Sorting Coefficient	1.32
Skewness	-0.62
Kurtosis	1.47
Percent Carbonate	27.43

Cruise II
Station 50
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	Size(mm)		
-2.00	4.000	1.01	1.01
-1.50	2.828	0.36	1.38
-1.00	2.000	0.53	1.91
-0.50	1.414	0.80	2.71
0.0	1.000	1.87	4.58
0.50	0.707	3.26	7.84
1.00	0.500	5.14	12.99
1.50	0.354	4.85	17.84
2.00	0.250	11.71	29.55
2.50	0.177	25.44	54.99
3.00	0.125	31.33	86.32
3.50	0.088	9.08	95.41
4.00	0.062	1.41	96.82
5.00	0.031	0.79	97.61
6.00	0.016	0.54	98.15
7.00	0.008	0.32	98.47
8.00	0.004	0.08	98.55
9.00	0.002	0.14	98.69
10.00	0.001	0.23	98.92
>10.00	<0.001	1.08	100.00

Median Grain Size (phi)	2.40
Mean Grain Size (phi)	2.23
Sorting Coefficient	0.93
Skewness	-0.35
Kurtosis	1.38
Percent Carbonate	74.98

Cruise II
Station 50
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	1.58	1.58
-1.50	2.828	0.35	1.93
-1.00	2.000	0.49	2.43
-0.50	1.414	0.60	3.03
0.0	1.000	1.53	4.56
0.50	0.707	2.85	7.41
1.00	0.500	4.67	12.08
1.50	0.354	4.09	16.16
2.00	0.250	11.10	27.27
2.50	0.177	26.41	53.68
3.00	0.125	32.96	86.64
3.50	0.088	9.01	95.65
4.00	0.062	1.43	97.08
5.00	0.031	0.98	98.06
6.00	0.016	0.31	98.37
7.00	0.008	0.21	98.58
8.00	0.004	0.07	98.65
9.00	0.002	0.15	98.80
10.00	0.001	0.16	98.96
>10.00	<0.001	1.04	100.00

Median Grain Size (phi)	2.43
Mean Grain Size (phi)	2.29
Sorting Coefficient	0.88
Skewness	-0.34
Kurtosis	1.50
Percent Carbonate	79.10

Cruise II
Station 50
Replicate 3

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.47	0.47
-1.50	2.828	0.78	1.25
-1.00	2.000	0.67	1.92
-0.50	1.414	1.15	3.07
0.0	1.000	1.95	5.03
0.50	0.707	3.74	8.76
1.00	0.500	6.11	14.87
1.50	0.354	5.48	20.35
2.00	0.250	12.52	32.87
2.50	0.177	23.21	56.07
3.00	0.125	31.58	87.65
3.50	0.088	7.86	95.51
4.00	0.062	1.37	96.88
5.00	0.031	0.81	97.69
6.00	0.016	0.40	98.09
7.00	0.008	0.22	98.31
8.00	0.004	0.14	98.45
9.00	0.002	0.32	98.77
10.00	0.001	0.16	98.93
>10.00	<0.001	1.07	100.00

Median Grain Size (phi)	2.37
Mean Grain Size (phi)	2.14
Sorting Coefficient	0.99
Skewness	-0.37
Kurtosis	1.28
Percent Carbonate	91.64

Cruise II
Station 52 - Live Bottom
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	8.90	8.90
-1.50	2.828	1.95	10.84
-1.00	2.000	3.89	14.73
-0.50	1.414	6.39	21.12
0.0	1.000	9.99	31.11
0.50	0.707	12.46	43.57
1.00	0.500	14.79	58.36
1.50	0.354	9.61	67.97
2.00	0.250	9.64	77.60
2.50	0.177	4.47	82.07
3.00	0.125	6.02	88.09
3.50	0.088	4.21	92.30
4.00	0.062	1.84	94.14
5.00	0.031	1.93	96.07
6.00	0.016	0.90	96.97
7.00	0.008	0.53	97.50
8.00	0.004	0.47	97.97
9.00	0.002	0.50	98.47
10.00	0.001	0.53	99.00
>10.00	<0.001	1.00	100.00

Median Grain Size (phi)	0.72
Mean Grain Size (phi)	0.83
Sorting Coefficient	1.89
Skewness	0.07
Kurtosis	1.24
Percent Carbonate	96.94

Cruise II
Station 52 - Live Bottom
Replicate 2

Grain Size			Cumulative
Phi	mm	Weight Percent	Weight Percent
-2.00	4.000	14.14	14.14
-1.50	2.828	3.01	17.14
-1.00	2.000	2.64	19.79
-0.50	1.414	3.93	23.72
0.0	1.000	6.01	29.73
0.50	0.707	8.65	38.37
1.00	0.500	11.18	49.56
1.50	0.354	8.76	58.31
2.00	0.250	10.06	68.38
2.50	0.177	5.94	74.31
3.00	0.125	8.52	82.83
3.50	0.088	8.60	91.43
4.00	0.062	2.85	94.28
5.00	0.031	2.35	96.64
6.00	0.016	0.62	97.25
7.00	0.008	0.65	97.91
8.00	0.004	0.55	98.46
9.00	0.002	0.39	98.85
10.00	0.001	0.41	99.26
>10.00	<0.001	0.74	100.00

Median Grain Size (phi)	0.97
Mean Grain Size (phi)	0.72
Sorting Coefficient	2.21
Skewness	-0.11
Kurtosis	0.98
Percent Carbonate	96.11

Cruise II
Station 52 - Live Bottom
Replicate 3

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	5.00	5.00
-1.50	2.828	1.44	6.43
-1.00	2.000	1.52	7.96
-0.50	1.414	2.69	10.65
0.0	1.000	5.06	15.70
0.50	0.707	8.25	23.96
1.00	0.500	12.41	36.36
1.50	0.354	10.03	46.40
2.00	0.250	12.80	59.19
2.50	0.177	8.06	67.26
3.00	0.125	10.88	78.14
3.50	0.088	9.46	87.60
4.00	0.062	3.34	90.94
5.00	0.031	3.34	94.28
6.00	0.016	1.22	95.50
7.00	0.008	1.09	96.59
8.00	0.004	0.84	97.43
9.00	0.002	0.69	98.12
10.00	0.001	0.79	98.91
>10.00	<0.001	1.09	100.00

Median Grain Size (phi)	1.64
Mean Grain Size (phi)	1.65
Sorting Coefficient	1.80
Skewness	-0.06
Kurtosis	1.14
Percent Carbonate	97.09

Cruise II
Station 52 - 5 m from Live Bottom
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	36.45	36.45
-1.50	2.828	2.44	38.89
-1.00	2.000	2.53	41.42
-0.50	1.414	2.56	43.98
0.0	1.000	2.92	46.91
0.50	0.707	3.37	50.27
1.00	0.500	4.11	54.38
1.50	0.354	3.57	57.95
2.00	0.250	5.41	63.35
2.50	0.177	5.66	69.01
3.00	0.125	9.75	78.76
3.50	0.088	9.01	87.78
4.00	0.062	3.05	90.82
5.00	0.031	3.31	94.13
6.00	0.016	1.21	95.34
7.00	0.008	1.81	97.14
8.00	0.004	0.07	97.21
9.00	0.002	0.76	97.97
10.00	0.001	0.79	98.76
>10.00	<0.001	1.24	100.00

Median Grain Size (phi)	0.45
Mean Grain Size (phi)	0.39
Sorting Coefficient	2.57
Skewness	0.03
Kurtosis	0.59
Percent Carbonate	97.75

Cruise II
Station 52 - 5 m from Live Bottom
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	33.37	33.37
-1.50	2.828	2.76	36.13
-1.00	2.000	2.49	38.62
-0.50	1.414	2.18	40.79
0.0	1.000	2.47	43.26
0.50	0.707	2.71	45.97
1.00	0.500	3.20	49.17
1.50	0.354	2.80	51.97
2.00	0.250	4.90	56.87
2.50	0.177	5.57	62.44
3.00	0.125	11.40	73.85
3.50	0.088	10.57	84.42
4.00	0.062	4.10	88.52
5.00	0.031	4.24	92.76
6.00	0.016	1.58	94.34
7.00	0.008	1.21	95.55
8.00	0.004	1.03	96.58
9.00	0.002	0.95	97.53
10.00	0.001	1.00	98.53
>10.00	<0.001	1.47	100.00

Median Grain Size (phi)	1.15
Mean Grain Size (phi)	0.70
Sorting Coefficient	2.62
Skewness	-0.15
Kurtosis	0.57
Percent Carbonate	98.45

Cruise II
Station 52 - 5 m from Live Bottom
Replicate 3

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	35.69	35.69
-1.50	2.828	2.61	38.30
-1.00	2.000	2.71	41.02
-0.50	1.414	2.60	43.62
0.0	1.000	2.72	46.34
0.50	0.707	3.09	49.43
1.00	0.500	3.87	53.31
1.50	0.354	3.45	56.75
2.00	0.250	5.44	62.19
2.50	0.177	6.14	68.33
3.00	0.125	10.40	78.72
3.50	0.088	8.94	87.66
4.00	0.062	3.25	90.91
5.00	0.031	3.49	94.40
6.00	0.016	1.05	95.45
7.00	0.008	0.93	96.38
8.00	0.004	0.73	97.11
9.00	0.002	0.65	97.76
10.00	0.001	0.65	98.41
>10.00	<0.001	1.59	100.00

Median Grain Size (phi)	0.57
Mean Grain Size (phi)	0.44
Sorting Coefficient	2.57
Skewness	0.00
Kurtosis	0.59
Percent Carbonate	97.94

Cruise II
Station 52 - 8 m from Live Bottom
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	28.35	28.35
-1.50	2.828	5.56	33.91
-1.00	2.000	3.28	37.19
-0.50	1.414	3.06	40.25
0.0	1.000	3.62	43.87
0.50	0.707	3.52	47.39
1.00	0.500	4.31	51.70
1.50	0.354	3.25	54.95
2.00	0.250	5.25	60.20
2.50	0.177	5.71	65.91
3.00	0.125	10.68	76.59
3.50	0.088	9.16	85.76
4.00	0.062	3.36	89.12
5.00	0.031	4.14	93.26
6.00	0.016	1.40	94.66
7.00	0.008	1.10	95.76
8.00	0.004	0.76	96.52
9.00	0.002	0.74	97.26
10.00	0.001	0.88	98.14
>10.00	<0.001	1.86	100.00

Median Grain Size (phi)	0.80
Mean Grain Size (phi)	0.59
Sorting Coefficient	2.58
Skewness	-0.05
Kurtosis	0.60
Percent Carbonate	96.63

Cruise II
Station 52 - 8 m from Live Bottom
Replicate 2

Grain Size			Cumulative
Phi	mm	Weight Percent	Weight Percent
-2.00	4.000	23.74	23.74
-1.50	2.828	4.91	28.65
-1.00	2.000	3.15	31.79
-0.50	1.414	3.14	34.93
0.0	1.000	3.62	38.55
0.50	0.707	3.96	42.51
1.00	0.500	4.76	47.28
1.50	0.354	3.77	51.05
2.00	0.250	6.40	57.45
2.50	0.177	5.67	63.12
3.00	0.125	12.66	75.78
3.50	0.088	8.62	84.40
4.00	0.062	4.03	88.43
5.00	0.031	4.17	92.60
6.00	0.016	1.67	94.27
7.00	0.008	1.25	95.52
8.00	0.004	0.93	96.45
9.00	0.002	0.93	97.38
10.00	0.001	0.97	98.35
>10.00	<0.001	1.65	100.00

Median Grain Size (phi)	1.36
Mean Grain Size (phi)	0.84
Sorting Coefficient	2.57
Skewness	-0.20
Kurtosis	0.62
Percent Carbonate	98.13

Cruise II
Station 52 - 8 m from Live Bottom
Replicate 3

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	24.14	24.14
-1.50	2.828	3.08	27.22
-1.00	2.000	2.60	29.82
-0.50	1.414	2.87	32.69
0.0	1.000	3.09	35.78
0.50	0.707	3.60	39.38
1.00	0.500	4.37	43.75
1.50	0.354	3.48	47.23
2.00	0.250	6.27	53.50
2.50	0.177	6.26	59.76
3.00	0.125	12.68	72.43
3.50	0.088	10.62	83.06
4.00	0.062	4.23	87.29
5.00	0.031	4.10	91.39
6.00	0.016	2.46	93.85
7.00	0.008	1.36	95.21
8.00	0.004	1.20	96.41
9.00	0.002	1.08	97.49
10.00	0.001	0.92	98.41
>10.00	<0.001	1.59	100.00

Median Grain Size (phi)	1.72
Mean Grain Size (phi)	1.00
Sorting Coefficient	2.61
Skewness	-0.29
Kurtosis	0.61
Percent Carbonate	98.28

Cruise II
Station 52 - 30 m from Live Bottom
Replicate 1

Grain Size			Cumulative
Phi	mm	Weight Percent	Weight Percent
-2.00	4.000	16.49	16.49
-1.50	2.828	2.00	18.49
-1.00	2.000	1.56	20.05
-0.50	1.414	1.96	22.01
0.0	1.000	2.67	24.67
0.50	0.707	3.35	28.03
1.00	0.500	4.62	32.65
1.50	0.354	4.23	36.88
2.00	0.250	7.69	44.57
2.50	0.177	8.76	53.34
3.00	0.125	16.37	69.71
3.50	0.088	12.55	82.25
4.00	0.062	5.07	87.32
5.00	0.031	4.64	91.96
6.00	0.016	2.29	94.25
7.00	0.008	1.26	95.51
8.00	0.004	0.89	96.40
9.00	0.002	0.71	97.11
10.00	0.001	1.06	98.17
>10.00	<0.001	1.83	100.00

Median Grain Size (phi)	2.31
Mean Grain Size (phi)	1.32
Sorting Coefficient	2.53
Skewness	-0.45
Kurtosis	0.95
Percent Carbonate	97.81

Cruise II
Station 52 - 30 m from Live Bottom
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	17.57	17.57
-1.50	2.828	1.89	19.46
-1.00	2.000	1.35	20.81
-0.50	1.414	1.74	22.55
0.0	1.000	2.56	25.11
0.50	0.707	2.98	28.09
1.00	0.500	4.36	32.45
1.50	0.354	4.50	36.95
2.00	0.250	7.68	44.63
2.50	0.177	9.05	53.68
3.00	0.125	15.63	69.31
3.50	0.088	12.91	82.22
4.00	0.062	4.36	86.58
5.00	0.031	4.14	90.72
6.00	0.016	2.38	93.10
7.00	0.008	1.63	94.73
8.00	0.004	1.14	95.87
9.00	0.002	0.85	96.72
10.00	0.001	1.13	97.85
>10.00	<0.001	2.15	100.00

Median Grain Size (phi)	2.30
Mean Grain Size (phi)	1.30
Sorting Coefficient	2.56
Skewness	-0.44
Kurtosis	0.93
Kurtosis	0.95
Percent Carbonate	98.09

Cruise II
Station 52 - 30 m from Live Bottom
Replicate 3

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	13.23	13.23
-1.50	2.828	1.24	14.48
-1.00	2.000	1.64	16.12
-0.50	1.414	1.93	18.04
0.0	1.000	2.53	20.58
0.50	0.707	3.18	23.76
1.00	0.500	4.68	28.43
1.50	0.354	4.33	32.76
2.00	0.250	7.51	40.27
2.50	0.177	9.81	50.08
3.00	0.125	15.81	65.88
3.50	0.088	13.89	79.77
4.00	0.062	4.50	84.28
5.00	0.031	5.00	89.28
6.00	0.016	2.70	91.98
7.00	0.008	1.69	93.67
8.00	0.004	1.55	95.22
9.00	0.002	1.24	96.46
10.00	0.001	1.25	97.71
>10.00	<0.001	2.29	100.00

Median Grain Size (phi)	2.50
Mean Grain Size (phi)	1.81
Sorting Coefficient	2.36
Skewness	-0.41
Kurtosis	1.11
Skewness	-0.44
Percent Carbonate	97.18

Cruise II
Station 52 - 75 m from Live Bottom
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	7.91	7.91
-1.50	2.828	2.43	10.34
-1.00	2.000	1.70	12.05
-0.50	1.414	2.09	14.14
0.0	1.000	2.76	16.89
0.50	0.707	3.95	20.84
1.00	0.500	5.65	26.50
1.50	0.354	5.42	31.91
2.00	0.250	8.85	40.76
2.50	0.177	8.73	49.49
3.00	0.125	18.24	67.73
3.50	0.088	15.13	82.86
4.00	0.062	6.13	88.99
5.00	0.031	4.69	93.68
6.00	0.016	1.73	95.41
7.00	0.008	0.90	96.31
8.00	0.004	0.83	97.14
9.00	0.002	0.72	97.86
10.00	0.001	0.74	98.60
>10.00	<0.001	1.40	100.00

Median Grain Size (phi)	2.51
Mean Grain Size (phi)	1.98
Sorting Coefficient	1.99
Skewness	-0.42
Kurtosis	1.19
Percent Carbonate	98.08

Cruise II
Station 52 - 75 m from Live Bottom
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	7.13	7.13
-1.50	2.828	1.62	8.75
-1.00	2.000	1.65	10.40
-0.50	1.414	2.31	12.71
0.0	1.000	3.09	15.80
0.50	0.707	4.29	20.09
1.00	0.500	6.52	26.61
1.50	0.354	6.20	32.81
2.00	0.250	10.83	43.64
2.50	0.177	9.31	52.95
3.00	0.125	17.82	70.77
3.50	0.088	13.38	84.15
4.00	0.062	4.89	89.04
5.00	0.031	3.62	92.66
6.00	0.016	1.97	94.63
7.00	0.008	1.08	95.71
8.00	0.004	0.80	96.51
9.00	0.002	0.80	97.31
10.00	0.001	0.78	98.09
>10.00	<0.001	1.91	100.00

Median Grain Size (phi)	2.34
Mean Grain Size (phi)	1.95
Sorting Coefficient	1.90
Skewness	-0.35
Kurtosis	1.23
Percent Carbonate	97.84

Cruise II
Station 52 - 75 m from Live Bottom
Replicate 3

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	16.39	16.39
-1.50	2.828	1.87	18.26
-1.00	2.000	1.38	19.63
-0.50	1.414	1.94	21.57
0.0	1.000	2.71	24.28
0.50	0.707	3.30	27.58
1.00	0.500	4.94	32.52
1.50	0.354	4.65	37.17
2.00	0.250	7.82	44.99
2.50	0.177	9.02	54.01
3.00	0.125	16.16	70.17
3.50	0.088	15.35	85.52
4.00	0.062	4.26	89.78
5.00	0.031	3.44	93.22
6.00	0.016	1.73	94.95
7.00	0.008	0.98	95.93
8.00	0.004	0.62	96.55
9.00	0.002	0.68	97.23
10.00	0.001	0.48	97.71
>10.00	<0.001	2.29	100.00

Median Grain Size (phi)	2.28
Mean Grain Size (phi)	1.24
Sorting Coefficient	2.46
Skewness	-0.48
Kurtosis	0.97
Percent Carbonate	97.22

Cruise II
Station 53
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	9.31	9.31
-1.50	2.828	1.50	10.81
-1.00	2.000	1.95	12.76
-0.50	1.414	2.53	15.29
0.0	1.000	3.75	19.04
0.50	0.707	5.00	24.04
1.00	0.500	7.33	31.37
1.50	0.354	7.11	38.48
2.00	0.250	15.22	53.70
2.50	0.177	17.70	71.40
3.00	0.125	13.33	84.73
3.50	0.088	5.80	90.53
4.00	0.062	2.42	92.95
5.00	0.031	2.01	94.96
6.00	0.016	1.54	96.50
7.00	0.008	0.72	97.22
8.00	0.004	0.49	97.71
9.00	0.002	0.40	98.11
10.00	0.001	0.68	98.79
>10.00	<0.001	1.21	100.00

Median Grain Size (phi)	1.88
Mean Grain Size (phi)	1.48
Sorting Coefficient	1.87
Skewness	-0.32
Kurtosis	1.34
Sorting Coefficient	2.36
Percent Carbonate	99.46

Cruise II
Station 53
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	10.06	10.06
-1.50	2.828	1.82	11.88
-1.00	2.000	2.20	14.08
-0.50	1.414	2.77	16.85
0.0	1.000	3.89	20.74
0.50	0.707	5.00	25.75
1.00	0.500	7.06	32.80
1.50	0.354	6.62	39.43
2.00	0.250	15.08	54.51
2.50	0.177	15.49	70.00
3.00	0.125	12.48	82.47
3.50	0.088	5.59	88.06
4.00	0.062	2.24	90.30
5.00	0.031	3.17	93.47
6.00	0.016	1.20	94.67
7.00	0.008	1.00	95.67
8.00	0.004	0.74	96.41
9.00	0.002	1.27	97.68
10.00	0.001	1.18	98.86
>10.00	<0.001	1.14	100.00

Median Grain Size (phi)	1.85
Mean Grain Size (phi)	1.45
Sorting Coefficient	2.01
Skewness	-0.28
Kurtosis	1.26
Percent Carbonate	99.13

Cruise II
Station 53
Replicate 3

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	1.93	1.93
-1.50	2.828	0.76	2.68
-1.00	2.000	1.00	3.68
-0.50	1.414	1.42	5.11
0.0	1.000	2.76	7.86
0.50	0.707	3.96	11.82
1.00	0.500	6.64	18.47
1.50	0.354	7.21	25.67
2.00	0.250	17.27	42.94
2.50	0.177	18.96	61.90
3.00	0.125	16.50	78.40
3.50	0.088	7.89	86.29
4.00	0.062	3.63	89.92
5.00	0.031	3.58	93.50
6.00	0.016	1.39	94.89
7.00	0.008	0.97	95.86
8.00	0.004	0.91	96.77
9.00	0.002	1.70	98.47
10.00	0.001	0.31	98.78
>10.00	<0.001	1.22	100.00

Median Grain Size (phi)	2.19
Mean Grain Size (phi)	2.12
Sorting Coefficient	1.40
Skewness	-0.08
Kurtosis	1.43
Percent Carbonate	98.99

Cruise II
Station 54
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	2.63	2.63
-1.50	2.828	2.20	4.82
-1.00	2.000	3.29	8.12
-0.50	1.414	3.72	11.84
0.0	1.000	4.96	16.79
0.50	0.707	6.31	23.10
1.00	0.500	7.84	30.94
1.50	0.354	5.81	36.74
2.00	0.250	8.18	44.92
2.50	0.177	4.58	49.50
3.00	0.125	4.01	53.51
3.50	0.088	5.42	58.93
4.00	0.062	7.37	66.30
5.00	0.031	12.61	78.92
6.00	0.016	11.08	90.00
7.00	0.008	4.15	94.15
8.00	0.004	2.68	96.83
9.00	0.002	1.25	98.08
10.00	0.001	0.26	98.34
>10.00	<0.001	1.66	100.00

Median Grain Size (phi)	2.56
Mean Grain Size (phi)	2.34
Sorting Coefficient	2.11
Skewness	-0.21
Kurtosis	0.71
Percent Carbonate	98.77

Cruise II
Station 54
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	5.01	5.01
-1.50	2.828	3.82	8.83
-1.00	2.000	4.03	12.85
-0.50	1.414	4.41	17.26
0.0	1.000	5.84	23.11
0.50	0.707	6.91	30.02
1.00	0.500	7.71	37.73
1.50	0.354	6.29	44.02
2.00	0.250	8.17	52.19
2.50	0.177	4.33	56.52
3.00	0.125	3.87	60.39
3.50	0.088	6.12	66.51
4.00	0.062	4.93	71.43
5.00	0.031	12.20	83.63
6.00	0.016	7.59	91.22
7.00	0.008	2.75	93.97
8.00	0.004	1.93	95.90
9.00	0.002	2.85	98.75
10.00	0.001	0.36	99.11
>10.00	<0.001	0.89	100.00

Median Grain Size (phi)	1.87
Mean Grain Size (phi)	1.89
Sorting Coefficient	2.31
Skewness	-0.06
Kurtosis	0.70
Percent Carbonate	98.67

Cruise II
Station 54
Replicate 3

Grain Size			
Phi	mm	Weight Percent	Cumulative Weight Percent
-2.00	4.000	5.47	5.47
-1.50	2.828	3.38	8.85
-1.00	2.000	4.24	13.09
-0.50	1.414	4.74	17.83
0.0	1.000	6.22	24.04
0.50	0.707	6.94	30.99
1.00	0.500	8.19	39.17
1.50	0.354	6.26	45.44
2.00	0.250	8.09	53.53
2.50	0.177	4.45	57.98
3.00	0.125	3.73	61.71
3.50	0.088	5.99	67.70
4.00	0.062	5.24	72.94
5.00	0.031	11.47	84.41
6.00	0.016	6.71	91.12
7.00	0.008	2.76	93.88
8.00	0.004	1.65	95.53
9.00	0.002	2.55	98.08
10.00	0.001	0.55	98.63
>10.00	<0.001	1.37	100.00

Median Grain Size (phi)	1.78
Mean Grain Size (phi)	1.83
Sorting Coefficient	2.32
Skewness	-0.05
Kurtosis	0.71
Percent Carbonate	98.74

Cruise III
Station 40
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	16.39	16.39
-1.50	2.828	0.02	0.02
-1.00	2.000	0.07	0.09
-0.50	1.414	0.27	0.36
0.0	1.000	0.51	0.87
0.50	0.707	0.61	1.48
1.00	0.500	0.71	2.19
1.50	0.354	0.78	2.97
2.00	0.250	3.98	6.95
2.50	0.177	17.14	24.09
3.00	0.125	44.40	68.49
3.50	0.088	14.94	83.43
4.00	0.062	6.36	89.79
5.00	0.031	7.05	96.84
6.00	0.016	0.89	97.73
7.00	0.008	0.47	98.20
8.00	0.004	0.41	98.61
9.00	0.002	0.52	99.13
10.00	0.001	0.45	99.58
>10.00	<0.001	0.42	100.00

Median Grain Size (phi)	2.79
Mean Grain Size (phi)	2.87
Sorting Coefficient	0.74
Skewness	0.21
Kurtosis	1.59
Percent Carbonate	22.73

Cruise III
Station 40
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.07	0.07
-1.50	2.828	0.03	0.10
-1.00	2.000	0.07	0.17
-0.50	1.414	0.30	0.47
0.0	1.000	0.62	1.08
0.50	0.707	0.83	1.92
1.00	0.500	1.04	2.96
1.50	0.354	0.93	3.89
2.00	0.250	4.27	8.16
2.50	0.177	20.93	29.08
3.00	0.125	43.08	72.16
3.50	0.088	15.01	87.18
4.00	0.062	5.11	92.29
5.00	0.031	5.49	97.78
6.00	0.016	0.50	98.28
7.00	0.008	0.40	98.68
8.00	0.004	0.30	98.98
9.00	0.002	0.31	99.29
10.00	0.001	0.34	99.63
>10.00	<0.001	0.37	100.00

Median Grain Size (phi)	2.74
Mean Grain Size (phi)	2.77
Sorting Coefficient	0.72
Skewness	0.12
Kurtosis	1.61
Percent Carbonate	19.85

Cruise III
Station 41
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.05	0.05
-1.50	2.828	0.36	0.41
-1.00	2.000	1.88	2.29
-0.50	1.414	5.90	8.19
0.0	1.000	12.63	20.82
0.50	0.707	14.38	35.20
1.00	0.500	14.83	50.03
1.50	0.354	14.33	64.36
2.00	0.250	28.37	92.73
2.50	0.177	4.87	97.61
3.00	0.125	1.44	99.04
3.50	0.088	0.21	99.25
4.00	0.062	0.12	99.37
5.00	0.031	0.25	99.62
6.00	0.016	0.10	99.72
7.00	0.008	0.03	99.75
8.00	0.004	0.03	99.78
9.00	0.002	0.04	99.82
10.00	0.001	0.03	99.85
>10.00	<0.001	0.15	100.00

Median Grain Size (phi)	1.00
Mean Grain Size (phi)	0.88
Sorting Coefficient	0.97
Skewness	-0.17
Kurtosis	0.80
Percent Carbonate	49.44

Cruise III
Station 41
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.08	0.08
-1.50	2.828	0.47	0.55
-1.00	2.000	1.94	2.49
-0.50	1.414	6.36	8.85
0.0	1.000	13.03	21.88
0.50	0.707	14.38	36.26
1.00	0.500	14.89	51.15
1.50	0.354	12.95	64.10
2.00	0.250	28.44	92.54
2.50	0.177	5.19	97.73
3.00	0.125	1.53	99.27
3.50	0.088	0.13	99.40
4.00	0.062	0.05	99.45
5.00	0.031	0.20	99.65
6.00	0.016	0.05	99.70
7.00	0.008	0.07	99.77
8.00	0.004	0.01	99.78
9.00	0.002	0.03	99.81
10.00	0.001	0.02	99.83
>10.00	<0.001	0.17	100.00

Median Grain Size (phi)	0.96
Mean Grain Size (phi)	0.86
Sorting Coefficient	0.98
Skewness	-0.15
Kurtosis	0.79
Percent Carbonate	49.39

Cruise III
Station 42
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.05	0.05
-1.50	2.828	0.06	0.10
-1.00	2.000	0.34	0.44
-0.50	1.414	0.43	0.87
0.0	1.000	0.80	1.67
0.50	0.707	3.11	4.78
1.00	0.500	7.52	12.30
1.50	0.354	6.49	18.80
2.00	0.250	54.96	73.76
2.50	0.177	22.54	96.31
3.00	0.125	2.60	98.91
3.50	0.088	0.35	99.26
4.00	0.062	0.17	99.43
5.00	0.031	0.41	99.84
6.00	0.016	0.03	99.87
7.00	0.008	0.05	99.92
8.00	0.004	0.03	99.94
9.00	0.002	0.03	99.97
10.00	0.001	0.02	99.99
>10.00	<0.001	0.01	100.00

Median Grain Size (phi)	1.81
Mean Grain Size (phi)	1.86
Sorting Coefficient	0.37
Skewness	0.14
Kurtosis	1.10
Percent Carbonate	40.87

Cruise III
Station 42
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.05	0.05
-1.50	2.828	0.12	0.12
-1.00	2.000	0.35	0.47
-0.50	1.414	0.65	1.12
0.0	1.000	1.22	2.34
0.50	0.707	2.04	4.37
1.00	0.500	4.26	8.63
1.50	0.354	7.29	15.92
2.00	0.250	55.52	71.44
2.50	0.177	24.71	96.14
3.00	0.125	2.67	98.82
3.50	0.088	0.38	99.20
4.00	0.062	0.22	99.42
5.00	0.031	0.38	99.80
6.00	0.016	0.06	99.86
7.00	0.008	0.05	99.91
8.00	0.004	0.03	99.94
9.00	0.002	0.02	99.96
10.00	0.001	0.03	99.99
>10.00	<0.001	0.01	100.00

Median Grain Size (phi)	1.81
Mean Grain Size (phi)	1.85
Sorting Coefficient	0.48
Skewness	-0.05
Kurtosis	1.59
Percent Carbonate	36.11

Cruise III
Station 43
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.25	0.25
-1.50	2.828	0.12	0.37
-1.00	2.000	0.49	0.86
-0.50	1.414	0.58	1.44
0.0	1.000	1.15	2.60
0.50	0.707	2.57	5.17
1.00	0.500	8.86	14.03
1.50	0.354	19.68	33.71
2.00	0.250	52.40	86.11
2.50	0.177	8.25	94.36
3.00	0.125	2.48	96.85
3.50	0.088	1.38	98.23
4.00	0.062	0.51	98.74
5.00	0.031	0.59	99.33
6.00	0.016	0.10	99.43
7.00	0.008	0.13	99.56
8.00	0.004	0.03	99.59
9.00	0.002	0.03	99.62
10.00	0.001	0.10	99.72
>10.00	<0.001	0.28	100.00

Median Grain Size (phi)	1.66
Mean Grain Size (phi)	1.56
Sorting Coefficient	0.56
Skewness	-0.20
Kurtosis	1.44
Percent Carbonate	88.26

Cruise III
Station 43
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.18	0.18
-1.50	2.828	0.12	0.30
-1.00	2.000	0.40	0.70
-0.50	1.414	0.50	1.20
0.0	1.000	1.18	2.39
0.50	0.707	2.46	4.85
1.00	0.500	7.57	12.41
1.50	0.354	22.34	34.75
2.00	0.250	50.16	84.91
2.50	0.177	8.75	93.66
3.00	0.125	2.47	96.13
3.50	0.088	1.78	97.91
4.00	0.062	0.45	98.36
5.00	0.031	0.47	98.83
6.00	0.016	0.07	98.90
7.00	0.008	0.10	99.00
8.00	0.004	0.06	99.06
9.00	0.002	0.04	99.10
10.00	0.001	0.06	99.15
>10.00	<0.001	0.84	100.00

Median Grain Size (phi)	1.65
Mean Grain Size (phi)	1.57
Sorting Coefficient	0.55
Skewness	-0.16
Kurtosis	1.42
Percent Carbonate	87.32

Cruise III
Station 46
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.0	0.0
-1.50	2.828	0.08	0.08
-1.00	2.000	0.08	0.15
-0.50	1.414	0.30	0.45
0.0	1.000	0.81	1.25
0.50	0.707	1.86	3.11
1.00	0.500	5.80	8.90
1.50	0.354	9.30	18.20
2.00	0.250	31.95	50.15
2.50	0.177	24.50	74.65
3.00	0.125	18.60	93.26
3.50	0.088	4.51	97.77
4.00	0.062	0.97	98.74
5.00	0.031	0.56	99.30
6.00	0.016	0.20	99.50
7.00	0.008	0.07	99.57
8.00	0.004	0.03	99.60
9.00	0.002	0.12	99.72
10.00	0.001	0.07	99.79
>10.00	<0.001	0.21	100.00

Median Grain Size (phi)	2.00
Mean Grain Size (phi)	2.04
Sorting Coefficient	0.73
Skewness	0.02
Kurtosis	1.15
Percent Carbonate	94.16

Cruise III
Station 46
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.15	0.15
-1.50	2.828	0.10	0.24
-1.00	2.000	0.10	0.34
-0.50	1.414	0.19	0.54
0.0	1.000	0.51	1.05
0.50	0.707	1.15	2.20
1.00	0.500	3.13	5.32
1.50	0.354	5.19	10.51
2.00	0.250	27.80	38.31
2.50	0.177	26.36	64.67
3.00	0.125	24.60	89.28
3.50	0.088	7.31	96.59
4.00	0.062	1.36	97.95
5.00	0.031	0.74	98.69
6.00	0.016	0.28	98.97
7.00	0.008	0.22	99.19
8.00	0.004	0.27	99.47
9.00	0.002	0.11	99.58
10.00	0.001	0.20	99.78
>10.00	<0.001	0.22	100.00

Median Grain Size (phi)	2.21
Mean Grain Size (phi)	2.23
Sorting Coefficient	0.69
Skewness	0.01
Kurtosis	1.03
Percent Carbonate	94.89

Cruise III
Station 48
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.0	0.0
-1.50	2.828	0.0	0.0
-1.00	2.000	0.07	0.07
-0.50	1.414	0.13	0.20
0.0	1.000	0.23	0.43
0.50	0.707	0.48	0.90
1.00	0.500	1.42	2.33
1.50	0.354	1.92	4.24
2.00	0.250	10.41	14.66
2.50	0.177	25.15	39.80
3.00	0.125	45.08	84.88
3.50	0.088	9.76	94.65
4.00	0.062	2.54	97.19
5.00	0.031	1.53	98.72
6.00	0.016	0.37	99.09
7.00	0.008	0.16	99.25
8.00	0.004	0.14	99.39
9.00	0.002	0.23	99.62
10.00	0.001	0.09	99.71
>10.00	<0.001	0.29	100.00

Median Grain Size (phi)	2.61
Mean Grain Size (phi)	2.54
Sorting Coefficient	0.55
Skewness	-0.14
Kurtosis	1.22
Percent Carbonate	87.43

Cruise III
Station 48
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.04	0.04
-1.50	2.828	0.08	0.13
-1.00	2.000	0.19	0.32
-0.50	1.414	0.23	0.55
0.0	1.000	0.38	0.93
0.50	0.707	0.74	1.67
1.00	0.500	1.98	3.65
1.50	0.354	2.55	6.20
2.00	0.250	12.17	18.38
2.50	0.177	25.24	43.61
3.00	0.125	42.04	85.65
3.50	0.088	8.43	94.08
4.00	0.062	2.27	96.35
5.00	0.031	1.78	98.13
6.00	0.016	0.41	98.54
7.00	0.008	0.28	98.82
8.00	0.004	0.26	99.08
9.00	0.002	0.28	99.36
10.00	0.001	0.32	99.68
>10.00	<0.001	0.32	100.00

Median Grain Size (phi)	2.58
Mean Grain Size (phi)	2.49
Sorting Coefficient	0.64
Skewness	-0.16
Kurtosis	1.35
Percent Carbonate	88.86

Cruise III
Station 49
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.73	0.73
-1.50	2.828	0.18	0.92
-1.00	2.000	0.59	1.51
-0.50	1.414	0.87	2.38
0.0	1.000	1.14	3.52
0.50	0.707	1.23	4.75
1.00	0.500	1.36	6.10
1.50	0.354	1.04	7.15
2.00	0.250	6.81	13.96
2.50	0.177	40.92	54.88
3.00	0.125	42.85	97.73
3.50	0.088	1.32	99.05
4.00	0.062	0.15	99.20
5.00	0.031	0.22	99.42
6.00	0.016	0.08	99.50
7.00	0.008	0.08	99.58
8.00	0.004	0.04	99.62
9.00	0.002	0.07	99.69
10.00	0.001	0.09	99.78
>10.00	<0.001	0.22	100.00

Median Grain Size (phi)	2.44
Mean Grain Size (phi)	2.44
Sorting Coefficient	0.56
Skewness	-0.29
Kurtosis	1.62
Percent Carbonate	14.67

Cruise III
Station 49
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.74	0.74
-1.50	2.828	0.27	1.01
-1.00	2.000	0.96	1.97
-0.50	1.414	1.49	3.46
0.0	1.000	2.14	5.60
0.50	0.707	2.05	7.65
1.00	0.500	2.06	9.71
1.50	0.354	1.33	11.04
2.00	0.250	7.31	18.35
2.50	0.177	38.62	56.97
3.00	0.125	40.74	97.71
3.50	0.088	1.28	98.99
4.00	0.062	0.14	99.13
5.00	0.031	0.25	99.38
6.00	0.016	0.13	99.51
7.00	0.008	0.05	99.56
8.00	0.004	0.02	99.58
9.00	0.002	0.07	99.65
10.00	0.001	0.10	99.75
>10.00	<0.001	0.25	100.00

Median Grain Size (phi)	2.41
Mean Grain Size (phi)	2.36
Sorting Coefficient	0.72
Skewness	-0.40
Kurtosis	2.00
Percent Carbonate	21.42

Cruise III
Station 50
Replicate 1

Grain Size			Cumulative
Phi	mm	Weight Percent	Weight Percent
-2.00	4.000	0.38	0.38
-1.50	2.828	0.53	0.91
-1.00	2.000	0.56	1.47
-0.50	1.414	0.90	2.37
0.0	1.000	1.65	4.02
0.50	0.707	3.23	7.25
1.00	0.500	5.33	12.57
1.50	0.354	5.42	17.99
2.00	0.250	13.42	31.41
2.50	0.177	23.75	55.17
3.00	0.125	32.06	87.22
3.50	0.088	8.94	96.16
4.00	0.062	1.90	98.06
5.00	0.031	0.85	98.91
6.00	0.016	0.21	99.12
7.00	0.008	0.19	99.31
8.00	0.004	0.13	99.44
9.00	0.002	0.17	99.61
10.00	0.001	0.13	99.74
>10.00	<0.001	0.26	100.00

Median Grain Size (phi)	2.39
Mean Grain Size (phi)	2.23
Sorting Coefficient	0.91
Skewness	-0.33
Kurtosis	1.15
Percent Carbonate	90.23

Cruise III
Station 50
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	0.13	0.13
-1.50	2.828	0.03	0.16
-1.00	2.000	0.28	0.43
-0.50	1.414	0.34	0.77
0.0	1.000	0.73	1.50
0.50	0.707	1.66	3.16
1.00	0.500	4.81	7.97
1.50	0.354	6.77	14.73
2.00	0.250	17.21	31.95
2.50	0.177	27.19	59.14
3.00	0.125	32.24	91.38
3.50	0.088	6.42	97.79
4.00	0.062	1.11	98.90
5.00	0.031	0.65	99.55
6.00	0.016	0.11	99.66
7.00	0.008	0.06	99.72
8.00	0.004	0.05	99.77
9.00	0.002	0.02	99.79
10.00	0.001	0.05	99.84
>10.00	<0.001	0.16	100.00

Median Grain Size (phi)	1.51
Mean Grain Size (phi)	1.98
Sorting Coefficient	0.73
Skewness	0.71
Kurtosis	1.12
Percent Carbonate	89.74

Cruise III
Station 52 - Live Bottom
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	34.23	34.23
-1.50	2.828	3.98	38.21
-1.00	2.000	3.30	41.51
-0.50	1.414	3.46	44.98
0.0	1.000	4.58	49.56
0.50	0.707	5.28	54.84
1.00	0.500	6.58	61.42
1.50	0.354	4.39	65.81
2.00	0.250	6.88	72.69
2.50	0.177	6.03	78.72
3.00	0.125	8.44	87.17
3.50	0.088	5.70	92.87
4.00	0.062	2.55	95.42
5.00	0.031	2.42	97.84
6.00	0.016	0.47	98.31
7.00	0.008	0.28	98.59
8.00	0.004	0.28	98.87
9.00	0.002	0.33	99.20
10.00	0.001	0.24	99.44
>10.00	<0.001	0.56	100.00

Median Grain Size (phi)	0.04
Mean Grain Size (phi)	-0.07
Sorting Coefficient	2.63
Skewness	-0.02
Kurtosis	0.66
Percent Carbonate	98.31

Cruise III
Station 52 - Live Bottom
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	18.03	18.03
-1.50	2.828	2.80	20.84
-1.00	2.000	2.16	23.00
-0.50	1.414	2.82	25.81
0.0	1.000	4.21	30.02
0.50	0.707	5.45	35.47
1.00	0.500	7.77	43.24
1.50	0.354	5.72	48.95
2.00	0.250	9.97	58.92
2.50	0.177	8.73	67.65
3.00	0.125	12.24	79.89
3.50	0.088	9.35	89.24
4.00	0.062	3.65	92.89
5.00	0.031	3.24	96.13
6.00	0.016	0.99	97.12
7.00	0.008	0.56	97.68
8.00	0.004	0.48	98.16
9.00	0.002	0.78	98.94
10.00	0.001	0.48	99.42
>10.00	<0.001	0.58	100.00

Median Grain Size (phi)	1.55
Mean Grain Size (phi)	0.85
Sorting Coefficient	2.53
Skewness	-0.34
Kurtosis	0.92
Percent Carbonate	97.23

Cruise III
Station 52 - 5 m from Live Bottom
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	21.13	21.13
-1.50	2.828	1.71	22.84
-1.00	2.000	1.94	24.78
-0.50	1.414	2.35	27.14
0.0	1.000	3.11	30.24
0.50	0.707	3.92	34.16
1.00	0.500	5.33	39.50
1.50	0.354	4.33	43.82
2.00	0.250	8.02	51.85
2.50	0.177	7.99	59.84
3.00	0.125	13.66	73.49
3.50	0.088	10.47	83.96
4.00	0.062	5.22	89.19
5.00	0.031	4.99	94.17
6.00	0.016	1.28	95.45
7.00	0.008	0.91	96.36
8.00	0.004	0.93	97.29
9.00	0.002	0.91	98.20
10.00	0.001	0.83	99.03
>10.00	<0.001	0.97	100.00

Median Grain Size (phi)	1.88
Mean Grain Size (phi)	0.97
Sorting Coefficient	2.72
Skewness	-0.40
Kurtosis	0.82
Percent Carbonate	98.50

Cruise III
Station 52 - 5 m from Live Bottom
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	10.79	10.79
-1.50	2.828	1.75	12.54
-1.00	2.000	1.69	14.23
-0.50	1.414	1.54	15.77
0.0	1.000	2.30	18.07
0.50	0.707	2.68	20.75
1.00	0.500	4.22	24.96
1.50	0.354	3.88	28.84
2.00	0.250	7.64	36.49
2.50	0.177	8.35	44.83
3.00	0.125	16.43	61.27
3.50	0.088	15.19	76.46
4.00	0.062	2.76	79.23
5.00	0.031	8.87	88.09
6.00	0.016	2.68	90.78
7.00	0.008	1.90	92.67
8.00	0.004	1.77	94.44
9.00	0.002	2.03	96.47
10.00	0.001	1.68	98.16
>10.00	<0.001	1.84	100.00

Median Grain Size (phi)	2.74
Mean Grain Size (phi)	2.22
Sorting Coefficient	2.29
Skewness	-0.42
Kurtosis	1.28
Percent Carbonate	98.20

Cruise III
Station 52 - 8 m from Live Bottom
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	14.16	14.16
-1.50	2.828	1.30	15.46
-1.00	2.000	1.06	16.52
-0.50	1.414	1.37	17.89
0.0	1.000	2.26	20.15
0.50	0.707	3.33	23.48
1.00	0.500	5.56	29.05
1.50	0.354	4.62	33.66
2.00	0.250	9.63	43.29
2.50	0.177	9.54	52.83
3.00	0.125	16.82	69.65
3.50	0.088	12.69	82.34
4.00	0.062	5.92	88.26
5.00	0.031	5.61	93.87
6.00	0.016	1.43	95.30
7.00	0.008	0.91	96.21
8.00	0.004	1.00	97.21
9.00	0.002	1.14	98.35
10.00	0.001	0.83	99.18
>10.00	<0.001	0.82	100.00

Median Grain Size (phi)	2.35
Mean Grain Size (phi)	1.58
Sorting Coefficient	2.41
Skewness	-0.45
Kurtosis	1.25
Percent Carbonate	95.92

Cruise III
Station 52 - 8 m from Live Bottom
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	25.91	25.91
-1.50	2.828	3.38	29.29
-1.00	2.000	1.97	31.26
-0.50	1.414	1.94	33.20
0.0	1.000	2.62	35.83
0.50	0.707	3.60	39.42
1.00	0.500	4.97	44.40
1.50	0.354	3.98	48.38
2.00	0.250	7.25	55.63
2.50	0.177	6.55	62.17
3.00	0.125	11.80	73.97
3.50	0.088	9.83	83.80
4.00	0.062	5.26	89.06
5.00	0.031	4.89	93.95
6.00	0.016	1.34	95.29
7.00	0.008	0.92	96.21
8.00	0.004	0.86	97.07
9.00	0.002	1.11	98.18
10.00	0.001	0.99	99.17
>10.00	<0.001	0.83	100.00

Median Grain Size (phi)	1.61
Mean Grain Size (phi)	0.79
Sorting Coefficient	2.81
Skewness	-0.34
Kurtosis	0.65
Percent Carbonate	98.12

Cruise III
Station 52 - 30 m from Live Bottom
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	17.49	17.49
-1.50	2.828	2.88	20.37
-1.00	2.000	2.63	23.00
-0.50	1.414	2.51	25.51
0.0	1.000	3.73	29.24
0.50	0.707	4.42	33.67
1.00	0.500	6.24	39.90
1.50	0.354	5.51	45.41
2.00	0.250	9.24	54.65
2.50	0.177	8.27	62.92
3.00	0.125	13.59	76.51
3.50	0.088	9.61	86.12
4.00	0.062	4.77	90.89
5.00	0.031	4.10	94.99
6.00	0.016	1.10	96.09
7.00	0.008	0.85	96.94
8.00	0.004	0.81	97.75
9.00	0.002	0.94	98.69
10.00	0.001	0.65	99.34
>10.00	<0.001	0.66	100.00

Median Grain Size (phi)	1.75
Mean Grain Size (phi)	0.99
Sorting Coefficient	2.58
Skewness	-0.36
Kurtosis	0.91
Percent Carbonate	97.15

Cruise III
Station 52 - 30 m from Live Bottom
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	22.69	22.69
-1.50	2.828	2.04	24.73
-1.00	2.000	1.93	26.66
-0.50	1.414	2.20	28.87
0.0	1.000	3.00	31.87
0.50	0.707	4.22	36.09
1.00	0.500	6.30	42.39
1.50	0.354	5.09	47.47
2.00	0.250	9.10	56.57
2.50	0.177	8.00	64.57
3.00	0.125	13.06	77.64
3.50	0.088	9.34	86.98
4.00	0.062	4.20	91.18
5.00	0.031	3.79	94.97
6.00	0.016	1.12	96.09
7.00	0.008	0.76	96.85
8.00	0.004	0.71	97.56
9.00	0.002	0.88	98.44
10.00	0.001	0.83	99.27
>10.00	<0.001	0.73	100.00

Median Grain Size (phi)	1.64
Mean Grain Size (phi)	0.80
Sorting Coefficient	2.70
Skewness	-0.36
Kurtosis	0.76
Percent Carbonate	98.18

Cruise III
Station 52 - 75 m from Live Bottom
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	13.66	13.66
-1.50	2.828	2.07	15.73
-1.00	2.000	2.21	17.93
-0.50	1.414	2.37	20.30
0.0	1.000	3.10	23.40
0.50	0.707	4.12	27.52
1.00	0.500	5.65	33.16
1.50	0.354	5.06	38.22
2.00	0.250	8.17	46.39
2.50	0.177	7.54	53.92
3.00	0.125	15.19	69.12
3.50	0.088	13.04	82.15
4.00	0.062	6.41	88.56
5.00	0.031	5.63	94.19
6.00	0.016	1.34	95.53
7.00	0.008	0.93	96.46
8.00	0.004	0.89	97.35
9.00	0.002	0.99	98.34
10.00	0.001	0.74	99.08
>10.00	<0.001	0.92	100.00

Median Grain Size (phi)	2.24
Mean Grain Size (phi)	1.48
Sorting Coefficient	2.46
Skewness	-0.43
Kurtosis	1.33
Percent Carbonate	98.43

Cruise III
Station 52 - 75 m from Live Bottom
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	13.94	13.94
-1.50	2.828	2.69	16.63
-1.00	2.000	2.32	18.95
-0.50	1.414	2.74	21.68
0.0	1.000	3.55	25.24
0.50	0.707	4.49	29.73
1.00	0.500	6.42	36.14
1.50	0.354	4.61	40.75
2.00	0.250	8.44	49.19
2.50	0.177	7.64	56.84
3.00	0.125	14.50	71.34
3.50	0.088	12.94	84.28
4.00	0.062	5.90	90.18
5.00	0.031	4.80	94.98
6.00	0.016	1.07	96.05
7.00	0.008	0.77	96.82
8.00	0.004	0.75	97.57
9.00	0.002	0.91	98.48
10.00	0.001	0.86	99.34
>10.00	<0.001	0.66	100.00

Median Grain Size (phi)	2.05
Mean Grain Size (phi)	1.31
Sorting Coefficient	2.45
Skewness	-0.41
Kurtosis	1.00
Percent Carbonate	97.63

Cruise III
Station 53
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	9.89	9.89
-1.50	2.828	1.57	11.47
-1.00	2.000	2.25	13.71
-0.50	1.414	3.03	16.74
0.0	1.000	4.12	20.85
0.50	0.707	6.00	26.85
1.00	0.500	9.00	35.86
1.50	0.354	8.87	44.72
2.00	0.250	16.75	61.47
2.50	0.177	15.59	77.06
3.00	0.125	12.66	89.71
3.50	0.088	3.97	93.68
4.00	0.062	1.76	95.44
5.00	0.031	1.84	97.28
6.00	0.016	0.55	97.83
7.00	0.008	0.37	98.20
8.00	0.004	0.36	98.56
9.00	0.002	0.50	99.06
10.00	0.001	0.43	99.49
>10.00	<0.001	0.51	100.00

Median Grain Size (phi)	1.66
Mean Grain Size (phi)	1.27
Sorting Coefficient	1.89
Skewness	-0.35
Kurtosis	1.35
Percent Carbonate	98.21

Cruise III
Station 53
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	6.28	6.28
-1.50	2.828	1.11	7.39
-1.00	2.000	1.79	9.18
-0.50	1.414	2.76	11.94
0.0	1.000	4.43	16.37
0.50	0.707	6.37	22.73
1.00	0.500	9.46	32.19
1.50	0.354	9.09	41.28
2.00	0.250	17.55	58.83
2.50	0.177	16.50	75.33
3.00	0.125	13.46	88.78
3.50	0.088	4.34	93.12
4.00	0.062	1.84	94.96
5.00	0.031	2.02	96.98
6.00	0.016	0.54	97.52
7.00	0.008	0.38	97.90
8.00	0.004	0.38	98.28
9.00	0.002	0.44	98.71
10.00	0.001	0.51	99.22
>10.00	<0.001	0.78	100.00

Median Grain Size (phi)	1.75
Mean Grain Size (phi)	1.51
Sorting Coefficient	1.69
Skewness	-0.27
Kurtosis	1.40
Percent Carbonate	98.37

Cruise III
Station 54
Replicate 1

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	2.07	2.07
-1.50	2.828	2.54	4.61
-1.00	2.000	3.94	8.55
-0.50	1.414	4.35	12.90
0.0	1.000	5.68	18.58
0.50	0.707	6.36	24.94
1.00	0.500	6.14	31.08
1.50	0.354	3.50	34.57
2.00	0.250	5.48	40.06
2.50	0.177	3.41	43.47
3.00	0.125	3.25	46.72
3.50	0.088	4.30	51.02
4.00	0.062	8.21	59.23
5.00	0.031	22.48	81.71
6.00	0.016	5.98	87.69
7.00	0.008	2.46	90.15
8.00	0.004	1.90	92.05
9.00	0.002	2.25	94.30
10.00	0.001	2.54	96.84
>10.00	<0.001	3.16	100.00

Median Grain Size (phi)	3.38
Mean Grain Size (phi)	2.59
Sorting Coefficient	2.17
Skewness	-0.51
Kurtosis	0.67
Percent Carbonate	96.80

Cruise III
Station 54
Replicate 2

Grain Size		Weight Percent	Cumulative Weight Percent
Phi	mm		
-2.00	4.000	2.14	2.14
-1.50	2.828	2.11	4.25
-1.00	2.000	3.45	7.70
-0.50	1.414	4.45	12.15
0.0	1.000	5.46	17.60
0.50	0.707	5.89	23.50
1.00	0.500	5.61	29.11
1.50	0.354	3.77	32.87
2.00	0.250	5.51	38.38
2.50	0.177	3.37	41.75
3.00	0.125	3.43	45.18
3.50	0.088	4.69	49.87
4.00	0.062	8.69	58.56
5.00	0.031	23.66	82.22
6.00	0.016	6.30	88.52
7.00	0.008	2.38	90.90
8.00	0.004	1.70	92.60
9.00	0.002	2.15	94.75
10.00	0.001	2.26	97.01
>10.00	<0.001	2.99	100.00

Median Grain Size (phi)	3.51
Mean Grain Size (phi)	2.66
Sorting Coefficient	2.14
Skewness	-0.55
Kurtosis	0.68
Percent Carbonate	96.61

APPENDIX K

MASTER TAXON LIST
FOR YEARS 1, 2, AND 3

UNIDENTIFIED BIOTA = VIRA

CYANOPHYTA

Cyanophyceae
Oscillatoriales
Oscillatoriaceae
Microcoleus lynhyaceius
Schizothrix mexicana

CHLOROPHYCOPHYTA

Chlorophyceae
Enteromorpha plumosa
Caulerpales
Bryopsidaceae
Bryopsis duchassaignii
Codiaceae
Codium sp.
Codium isthmocladum
Codium repens
Pseudocodium floridanum
Caulerpaceae
Caulerpa sp.
Caulerpa ashmeadii
Caulerpa peltata
Caulerpa cupressoides
Caulerpa cupressoides v. *turneri*
Caulerpa cupressoides v. *flabellata*
Caulerpa taxifolia
Caulerpa sertularioides
Caulerpa mexicana
Caulerpa intricata
Caulerpa microphysa
Caulerpa racemosa v. *macrophysa*
Caulerpa prolifera
Caulerpa prolifera v. *zosterifolia*
Udoteaceae
Avrainvillea sp.
Avrainvillea nigricans
Avrainvillea longicaulis
Avrainvillea asarifolia
Halimeda sp.
Halimeda gracilis
Halimeda scabra

This phylogenetic listing includes all taxa identified from Year 1, 2, and 3 samples (all methods, all stations). The list is ordered by National Oceanographic Data Center (NODC) taxonomic code numbers (U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, 1984), as supplemented by additional code numbers devised for taxa not included in the NODC list. The code numbers are not included here.

Most specimens were identified to genus or species; higher level taxonomic designations are provided for convenience. Taxonomic designations not followed by lower level designations (e.g., a family with no genera listed) represent the lowest possible identification level for one or more specimens.

A '?' preceding an entry indicates a specimen is probably of that taxon but the identification is not certain.

A 'cf' preceding a genus or species name indicates a specimen is very similar to that genus or species but does not match all characteristics.

An 'spp.' indicates several species probably are present in a specimen (a common problem with some sponges).

CHLOROPHYCOPHYTA (Continued)

- *Halimeda discoidea*
- *Halimeda discoidea* v. *platyloba*
- *Halimeda incrassata*
- *Halimeda goreauii*
- *Halimeda tuna*
- *Penicillus pyriformis*
- *Penicillus capitatus*
- *Penicillus capitatus* f. *laxus*
- *Penicillus dumentosus*
- *Penicillus lamourouxii*
- *Rhipocephalus* sp.
- *Rhipocephalus phoenix*
- *Rhipocephalus oblongus*
- *Udotea* sp.
- *Udotea conglutinata*
- *Udotea cyathiformis*
- *Udotea flabellum*
- *Udotea spinulosa*
- *Udotea wilsoni*
- *Udotea convoluta*

Phyllosiphoniaceae
- *Ostreobium quekettii*

Tetrasporales
Palmellaceae
- Palmellaceae n. sp.
- *Acetabularia crenulata*

Siphonocladales
Boodleaceae
- *Struvea* sp.
- *Struvea pulcherrima*

Anadyomenaceae
- *Cystodictyon* sp.
- *Cystodictyon pavonium*
- *Microdictyon boegesenii*
- *Anadyomene menziesii*

Valoniaceae
- *Valonia* sp.
- *Valonia ventricosa*

PHAEOPHYCOPHYTA

Phaeophyceae
Sphacelariales
Sphacelariaceae
- *Sphacelaria* sp.

PHAEOPHYCOPHYTA (Continued)

- Stypocaulaceae
  - *Halopteris filicina*
- Dictyotales
  - Dictyotaceae
    - *Dictyopteris* sp.
    - *Dictyopteris delicatula*
    - *Dictyopteris justii*
    - *Dictyopteris membranacea*
    - *Dictyopteris jamaicensis*
    - *Dictyota* sp.
    - *Dictyota divaricata*
    - *Dictyota indica*
    - *Dictyota cervicornis*
    - *Dictyota linearis*
    - *Padina* sp.
    - *Padina profunda*
    - *Lobophora* sp.
    - *Lobophora variegata*
- Fucales
  - Sargassaceae
    - *Sargassum* sp.
    - *Sargassum natans*
    - *Sargassum hystrix*
    - *Sargassum hystrix* v. *buxifolium*
    - *Sargassum hystrix* v. *hystrix*
    - *Sargassum hystrix* v. *spinulosum*
    - *Sargassum pteropleuron*
    - *Sargassum filipendula*
    - *Sargassum fluitans*
    - *Sargassum vulgare*
    - *Sargassum polyceratium*
    - *Sargassum bermudense*
    - *Sargassum bermudense* v. *hellebrandtii*
- Sporochnales
  - Sporochnaceae
    - *Sporochnus* sp.
    - *Sporochnus pedunculatus*
    - *Sporochnus bolleanus*
    - *Nereia tropica*
- Punctariales
  - Punctaceae
    - *Rosenvingea intricata*

RHODOPHYCOPHYTA

Rhodophyceae
Nemalionales
Chaetangiaceae
Scinaia complanata
Gigartinales
Solieriaceae
Agardhiella ramossisima
Agardhiella subulata
Eucheuma sp.
Eucheuma isiforme
Eucheuma isiforme v. *isiforme*
Eucheuma isiforme v. *denutatum*
Eucheuma acanthocladum
Eucheuma echinocarpum
Meristotheca floridana
Solieria tenera
Hypneaceae
Hypnea cervicornis
Hypnea spinella
?*Hypnea* sp.
Plocamium brasiliense
Gracilariaceae
Gracilaria sp.
Gracilaria ornata
Gracilaria mammillaris
Gracilaria curtissiae
Gracilaria debilis
Gracilaria cylindrica
Gracilaria cervicornis
Gracilaria armata
Gracilaria blodgettii
Gracilaria compressa
Gracilaria usneoides
Gracilaria verrucosa
Gracilaria domingensis
Gracilaria ?*blodgettii*
Gracilaria sp. 1
Gracilaria sp. 2
Phyllophoraceae
Petroglossum undulatum
Rhodophyllidaceae
Rhodophyllis sp.
Wurdemanniaceae
Wurdemannia miniata

RHODOPHYCOPHYTA (Continued)

Cryptonemiales
- Squamariaceae
  - Peyssonnelia sp.
  - Peyssonnelia rubra
  - Peyssonnelia simulans
  - Ethelia sp.
- Corallinaceae
  - Corallina cubensis
  - Jania sp.
  - Jania adherens
  - Jania capillacea
  - Lithophyllum sp.
  - Lithophyllum pustulatum
  - Lithophyllum bermudense
  - Lithophyllum munitum
  - Lithophyllum absimile
  - Lithophyllum caribaeum
  - Lithophyllum daedalum
  - Lithothamnium sp.
  - Lithothamnium calcareum
  - Lithothamnium ruptile
  - Lithothamnium occidentale
  - Lithothamnium syntrophicum
  - Lithothamnium incertum
  - Lithothamnium sejunctum
  - Melobesieae
  - Melobesieae 1
  - Melobesieae 2
  - Melobesieae 3
  - Melobesia sp.
  - Rhodolith sp.
  - Goniolithon sp.
  - Goniolithon spectabile
  - Goniolithon spectabile f. nana
  - Goniolithon strictum
  - Goniolithon displatum
  - Amphiroa hancockii
  - Amphiroa rigida v. antilliana
  - Corallinaceae 1
  - Corallinaceae 2
- Cryptonemiaceae
  - Cryptonemia obovata
  - Cryptonemia crenulata
  - Cryptonemia luxurians
  - Cryptonemia sp. 1
  - Cryptonemia sp. 2

RHODOPHYCOPHYTA (Continued)

- *Cryptonemia* sp. 3
- Kallymeniaceae
  - *Kallymenia westii*
  - *Kallymenia limminghii*
- Grateloupiaceae
  - *Halymenia* sp.
  - *Halymenia vinacea*
  - *Halymenia gelinaria*
  - *Halymenia floresia*
  - *Halymenia bermudensis*
- Dumontiaceae
  - *Dudresnaya crassa*
  - *Dudresnaya ?crassa*

Rhodymeniales

- Champiaceae
  - *Champia parvula*
  - *Champia ?salicornoides*
  - *Lomentaria balleyana*
  - *Lomentaria ?balleyana*
  - *Coelothrix irregularis*
- Rhodymeniaceae
  - *Rhodymenia* sp.
  - *Rhodymenia callophylloides*
  - *Rhodymenia pseudopalmata*
  - *Rhodymenia divaricata*
  - *Rhodymenia occidentalis*
  - *Botryocladia* sp.
  - *Botryocladia occidentalis*
  - *Botryocladia ?occidentalis*
  - *Fauchea* sp.
  - *Fauchea hassleri*
  - *Leptofauchea rhodymenioides*
  - *Maripelta atlantica*
  - *Hallcrysis peltata*
  - *Gloioderma atlantica*
  - *Chrysymenia* sp.
  - *Chrysymenia enteromorpha*
  - *Chrysymenia halymenioides*
  - *Agardhinula browneae*
  - *Cryptarachne agardhii*
  - *Cryptarachne planifrons*

Ceramiales

- Ceramiaceae
  - *Ceramium leptozonum*
  - *Griffithsia* sp.

RHODOPHYCOPHYTA (Continued)

Griffithsia tenuis
Spyridia filamentosa
Spermothamnion sp.
Spermothamnion gymnocarpum

Delesseriaceae
Apoglossum ruscifolium
Hypoglossum tenuifolium

Dasyaceae
Dasya sp.
Dasya collinsiana
Dasya corymbifera
Dasya baillouviana
Dasya harveyi
Dasya sertularioides
Dasya caraibica
Dasyopsis sp.
Dasyopsis spinuligera
Dasyopsis antillarum

Rhodomelaceae
Polysiphonia sp.
Polysiphonia subtilissima
Polysiphonia binneyi
Polysiphonia ferulacea
Laurencia sp.
Laurencia intricata
Laurencia chondrioides
Laurencia obtusa
Chondria sp.
Chondria baileyana
Chondria floridana
Chondria cnicophylla
Chondria polyrhiza
Lophocladia trichoclados
Wrightiella tumanowiczi
Wrightiella blodgettii
Ancanthophora muscoides
Waldoia antillana
?Polysiphonia sp.
?Clathrina sp. A

ANTHOPHYTA

Anglospermae
Anglospermae-Najledales
Hydrocharitaceae
Thalassia testudinum
Halophila decipiens
Potamogetonaceae
Halodule wrightii
Syringodium filiforme

PROTOZOA

Rhizopodea-Granuloreticulosia
Foraminiferida
Miliolacea-Soritidae-Archaiasinae
Archaias sp.

PORIFERA

Calcarea
Calcarea-Calcinea-Clathrinida
Clathrinidae
Clathrina sp.
Clathrina coriacea
Clathrina ?coriacea
?Clathrina sp.
Calcarea-Calcinea-Leucettida
Leucascidae
Leucetta sp.
Leucetta ?floridana
?Leucetta sp. A
?Leucetta sp.
Calcarea-Calcaronea-Leucosolenida
Leucosolenildae
Leucosolenia sp.
?Leucosolenia spp.
Calcarea-Calcaronea-Sycettida
Grantiidae
Aphroceras ?ensata
Hexactinellida-Dictyonina
Euretidae
Eurete sp.
?Farrea sp.
Tretodictyidae
Hexactinella sp.
Aulocystidae
Aulocystis zittelii

PORIFERA (Continued)

- Dactylocalycidae
  - *Dactylocalyx pumiceus*
- Uncinatida

Demospongea

Demospongea-Keratosa-Dictyoceratida

- Spongiidae
  - *Spongia* sp.
  - *Spongia tubulifera*
  - *Spongia* sp. A
  - *Hippospongia* sp.
  - *Hippospongia lachne*
  - *Hippospongia ?lachne*
  - *Hyattella intestinalis*
  - *Ircinia campana*
  - *Ircinia strobilina*
  - *Ircinia felix*
  - *Ircinia ?campana*
  - *Ircinia ?felix*
  - *Ircinia* spp.
  - *Ircinia ?strobilina*
  - *Hyrtios* sp.
  - *?Oligoceras* sp.
  - *?Spongia* sp. A
  - *?Spongia* sp.
  - *?Holopsamma* sp. A
  - *?Holopsamma* sp.
  - *?Ircinia* sp.
  - *?Hyrtios* sp.
- Dysideidae
  - *Dysidea etherea*
  - *Dysidea fragilis*
  - *Dysidea janiae*
  - *Dysidea ?janiae*
  - *Dysidea* spp.
  - *Dysidea ?avara*
  - *Dysidea ?fragilis*
  - *Euryspongia rosea*
  - *Euryspongia ?rosea*
  - *?Dysidea* spp.
- Aplysinidae
  - *Aplysina* sp.
  - *Aplysina lacunosa*
  - *Aplysina fistularis*
  - *Aplysina fistularis* v. *fistularis*
  - *Aplysina fistularis* v. *fulva*

PORIFERA (Continued)

- *Aplysina* sp. A
- *Aplysina* ?*fistularis*
- *Aiolochroia crassa*
- *Keratosa* sp. A
- ?Aplysinidae sp. A

Demospongea-Keratosa-Dendroceratida

- Aplysillidae
  - ?*Pieraplysilla* sp.
- Hallsarcidae
  - *Hallsarca purpura*
  - ?*Hallsarca* sp.
- Darwinellidae
  - *Chelonaplysilla* sp.
  - *Chelonaplysilla* sp. A
  - *Igernella* sp.
  - *Igernella notabilis*
  - *Igernella* ?*notabilis*
  - ?*Chelonaplysilla* sp.

Demospongea-Haplosclerida

- Halichondridae
  - *Haliclona* sp.
  - *Haliclona compressa*
  - *Haliclona viridis*
  - *Haliclona* ?*viridis*
  - *Haliclona* ?*compressa*
  - *Haliclona* sp. A
  - *Haliclona* sp. B
  - *Haliclona* sp. C
  - *Haliclona* sp. D
  - *Haliclona* sp. E
  - *Haliclona* sp. F
  - *Haliclona* spp.
  - *Haliclona* ?*mollitba*
  - *Gellius* sp.
  - *Callyspongia* sp.
  - *Callyspongia* ?*fallax*
  - *Niphates digitalis*
  - *Niphates erecta*
  - *Spinosella* sp.
  - *Spinosella plicifera*
  - *Spinosella vaginalis*
  - *Spinosella vaginalis* v. *armigera*
  - *Spinosella vaginalis* v. *vaginalis*
  - *Spinosella vaginalis* v. *eschrichti*
  - *Spinosella* sp. A

PORIFERA (Continued)

?Niphates sp.
?Gellius spp.
?Haliclona spp.
Adocidae
Pellina ?carbonaria
Strongylophora sp.
Sigmadocia spp.
Toxadocia sp.
Adocia sp.
?Sigmadocia sp. A
?Sigmadocia sp. B
?Sigmadocia sp.
?Pellina sp.
?Adocia spp.
Nepheliospongiidae
Xestospongia sp.
Xestospongia subtriangularis
Xestospongia muta
Xestospongia ?subtriangularis
Siphonodictyon sp.
Siphonodictyon siphonum
Siphonodictyon sp. A
Cribrochalina sp.
Rhizochalina sp.
Rhizochalina oleracea
Hemigellius sp.
?Prianos sp.
Nepheliospongiidae sp. A
?Siphonodictyon sp. A
?Xestospongia sp.
?Rhizochalina sp.
?Cribrochalina spp.
Desmacidonidae
?Gelliodes spp.
?Nepheliospongiidae
?Adocidae
Demospongea-Poecilosclerida
Coelosphaeridae
Coelosphaera fistula
?Dragmatella sp.
Agelasidae
Agelas sp.
Agelas ?sceptrum
Agelas ?dispar
Myxillidae

PORIFERA (Continued)

Mycalidae
- Mycale sp.
- Mycale sp. A
- Mycale sp. B
- Mycale ?angulosa
- Neofibularia nolitangere
- Hamacantha sp.
- Ulosa sp.
- Ulosa ruetzleri
- Ulosa ?hispida
- ?Mycale sp. A
- ?Ulosa spp.
- ?Toxemma sp.
- ?Mycale sp.

Tedaniidae
- Tedania sp.
- Tedania ignis
- Tedania ?ignis
- Acarnus sp.
- Acarnus sp. A
- Acarnus sp. B
- Lissodendoryx sp.
- Lissodendoryx isodictyalis
- Lissodendoryx ?isodictyalis
- Lissodendoryx sigmata
- Lissodendoryx sp. A
- Lissodendoryx sp. B
- Lissodendoryx sp. C
- Iotrochota birotulata
- Iotrochota ?birotulata
- ?Lissodendoryx sp. A
- ?Tedania sp.
- ?Acarnus sp.
- ?Iotrochota sp.
- ?Lissodendoryx sp.
- ?Forcepia sp.

Microcionidae
- Microciona prolifera
- Microciona sp. A
- Microciona sp. B
- Microciona sp. C
- Microciona sp. D
- Microciona sp. E
- Microciona spp.
- Microciona ?microchela

PORIFERA (Continued)

Microciona ?*spinosa*
Thalysias sp.
Thalysias juniperina
Thalysias spp.
Thalysias ?*juniperina*
Pandaros sp.
Pandaros acanthifolium
Pandaros ?*acanthifolium*
?*Microciona* sp. A
?*Microciona* sp. C
?*Microciona* sp. D
?*Microciona* sp. E
?*Microciona* sp.
?*Pandaros* sp.
?*Sigmaxia* sp.
?*Thalysias* sp.
Hymedesmiidae
Hymedesmia sp.
Hymedesmia sp. A
?*Hymedesmia* sp.
Desmacellidae
Biemna spp.
Desmacella sp.
?*Desmacella* sp.
?*Biemna* spp.
Bubaridae
Bubaris spp.
?*Bubaris* spp.
?*Rhabdoploca* sp.
?Mycalidae sp. A
?Coelosphaeridae
?Myxillidae
?Microcionidae
Demospongea-Halichondrilda
Halichondriidae
Halichondria melanadocia
Halichondria ?*magniconulosa*
Halichondria ?*melanadocia*
Halichondria spp.
Clocalypta spp.
?*Halichondria* spp.
Hymeniacidonidae
Hymeniacidon heliophila
Hymeniacidon amphilecta
Hymeniacidon ?*heliophila*
Hymeniacidon spp.

PORIFERA (Continued)

- *Oxeostilon burtoni*
- *?Hymeniacidon* spp.
- Hallchondrilda 1
- ?Hallchondrilidae
- Demospongea-Hadromerida
  - Spirastrellidae
    - *Spirastrella* sp.
    - *Spirastrella coccinea*
    - *Spirastrella* sp. A
    - *Spirastrella ?coccinea*
    - *Timea* sp.
    - *Timea mixta*
    - *Timea ?mixta*
    - *Phecliospongia* sp.
    - *Phecliospongia vesparium*
    - *Anthosigmella varians*
    - *Anthosigmella varians* v. *incrustans*
    - *Anthosigmella ?varians*
    - *Anthosigmella* spp.
    - *?Spirastrella* sp. A
    - *?Anthosigmella* spp.
    - *?Timea* spp.
    - *?Spirastrella* sp.
    - *?Kotimea* sp.
    - *?Phecliospongia* sp.
  - Suberitidae
    - *Terpios* sp.
    - *Terpios fugax*
    - *Terpios ?fugax*
    - *Suberites* sp.
    - *Suberites* sp. A
    - *Laxosuberites coerulea*
    - *Laxosuberites ?coerulea*
    - *?Suberites* sp.
    - *?Suberites* sp. A
  - Placospongiidae
    - *Placospongia* sp.
    - *Placospongia melobesioides*
  - Clionidae
    - *Cliona* sp.
    - *Cliona celata*
    - *Cliona schmidti*
    - *Cliona delitrix*
    - *Cliona* sp. A
    - *Cliona ?lampa*

PORIFERA (Continued)

- *Cliona ?delitrix*
- *?Cliona* sp.

Tethyidae
- *Tethya* sp.
- *Tethya actinia*
- *Tethya crypta*
- *Tethya seychellensis*
- *Tethya* sp. A
- *Tethya ?actinia*
- *?Tethya* sp.

Stylocordylidae
- *Stylocordyla* sp.
- *Stylocordyla ?longissima*

Latrunculiidae
- *Didiscus* sp.
- *Latrunculia* sp.
- *?Latrunculia* sp.

?Spirastrellidae

?Clionidae

?Suberitidae

Demospongea-Epipolasida

Sollaselidae
- *Epipolasis lithophaga*
- *Epipolasis?lithophaga*
- *Epipolasis* spp.
- *?Epipolasis* spp.

Coppatiidae
- *Scolopes megastra*
- *Jaspis* spp.
- *Lamellomorpha* sp.
- *Asteropus* sp.
- *Dorypleres ?carolinensis*
- *?Asteropus* sp.
- *?Jaspis* spp.

?Coppatiidae

Demospongea-Choristida

Ancorinidae
- *Myriastra kalliteliia*
- *Myriastra* spp.
- *Myriastra ?crassispicula*
- *Myriastra ?kalliteliia*
- *Stoeba* sp.
- *Stoeba* sp. A
- *?Stelleta* sp.
- *?Stoeba* sp.

PORIFERA (Continued)

?Myriastra sp.
?Ancorina sp.
?Penares spp.
Tetillidae
?Tetilla sp.
Geodiidae
Geodia sp.
Geodia neptuni
Geodia ?neptuni
Geodia gibberosa
Geodia ?gibberosa
Geodia sp. A
Erylus formosus
Erylus ?formosus
Erylus trisphaera
Erylus spp.
?Geodia sp.
?Erylus spp.
Craniellidae
Cinachyra spp.
Cinachyra kuekenthali
Cinachyra ?kuekenthali
Cinachyra alloclada
?Cinachyra sp.
Chondrillidae
Chondrilla sp.
Chondrilla nucula
Chondrilla ?nucula
?Chondrilla sp.
Chondrosiidae
Chondrosia reniformes
Chondrosia ?reniformes
Chondrosia sp. A
Chondrosia sp. B
Chondrosia spp.
?Chondrosia sp. A
?Chondrosia spp.
?Chondrillidae
?Ancorinidae
Demospongea-Homosclerophorida
Halinidae
Pachastrella sp.
Pachastrella ?monilifera
?Pachastrella sp.

PORIFERA (Continued)

- Plakinidae
  - ?Plakina sp.
  - ?Plakinastrella sp.
  - ?Plakortis sp.
- ?Plakinidae

Demospongea-Lithistida

- Tetracladidae
  - Discodermia sp.
  - Discodermia spp.
  - ?Discodermia sp.

Demospongea-Axinellida

- Axinellidae
  - Axinella bookhouti
  - Axinella ?bookhouti
  - Axinella polycapella
  - Axinella ?polycapella
  - Axinella sp. A
  - Axinella sp. B
  - Axinella spp.
  - Homaxinella sp.
  - Homaxinella waltonsmithi
  - Homaxinella ?waltonsmithi
  - Homaxinella rudis
  - Pseudaxinella sp.
  - Pseudaxinella lunaecharta
  - Pseudaxinella ?lunaecharta
  - Pseudaxinella rosacea
  - Pseudaxinella grayi
  - Pseudaxinella sp. A
  - Teichaxinella sp.
  - Teichaxinella morchella
  - Teichaxinella shoemakeri
  - Teichaxinella corrugata
  - Teichaxinella ?corrugata
  - Teichaxinella sp. A
  - Phakellia sp.
  - Phakellia folium
  - Dragmaxia sp.
  - Ptilocaulis ?spiculifer
  - ?Teichaxinella sp. A
  - ?Pseudaxinella sp.
  - ?Axinella sp.
  - ?Dragmaxia sp.
  - ?Ptilocaulis sp.
  - ?Teichaxinella sp.
  - ?Phakellia sp.

PORIFERA (Continued)

?Homaxinella sp.
?Axinella spp.
?Ketosus sp.
Desmoxyidae
Myrmekioderma sp.
Myrmekioderma ?styx
Myrmekioderma sp. A
Higginsia sp.
Higginsia strigilata
?Myrmekioderma sp. A
?Myrmekioderma sp.
?Higginsia sp.
Raspailiidae
Endectyon sp.
Raspailia sp.
Hemectyon sp.
Hemectyon pearsei
Hemectyon ?pearsei
?Endectyon sp.
Euryponidae
Thalyseurypon spp.
Tricheurypon ?viride
?Eurypon sp.
?Thalyseurypon sp.
?Axinellidae
?Desmoxyidae
Monaxomida sp.

CNIDARIA

Hydrozoa
Hydrozoa-Hydroida-Anthomedusae
Clavidae
Corydendrium parasiticum
Turritopsis nutricula
Eudendriidae
Eudendrium sp.
Eudendrium carneum
Eudendrium eximium
Eudendrium tenellum
Hydrozoa-Hydroida-Leptomedusae
Campanulariidae
Campanularia marginata
Obelia hyalina

CNIDARIA (Continued)

- *Clytia cylindrica*
- *Clytia fragilis*

Lafoeidae

- *Lafoea fruticosa*
- *Lafoea dumosa*
- *Lafoea coalescens*
- *Lafoea venusta*
- *Cryptolaria pectinata*
- *Hebella venusta*
- *Acryptolaria conferta*
- *Acryptolaria rectangularis*
- *Acryptolaria pulchella*
- *Zygophylax convallaria*

Campanulinidae

- *Lafoeina maxima*

Sertularidae

- *Sertularella* sp.
- *Sertularella pinnigera*
- *Sertularella conica*
- *Sertularella speciosa*
- *Sertularia mayeri*
- *Sertularia westindica*
- *Dynamena cornicina*
- *Dynamena pourtalesi*
- *Thyroscyphus marginatus*
- *Thyroscyphus ramosus*
- *Dyshasia digitalis*

Haleciidae

- *Halecium* sp.
- *Halecium tenellum*
- *Halecium macrocephalum*

Plumulariidae

- *Plumularia nigra*
- *Plumularia geminata*
- *Nemertesia ramosa*
- *Aglaophenia elongata*
- *Aglaophenia apocarpa*
- *Halopteris clarkei*
- *Monostaechas quadridens*
- *Gymnangium sinuosum*
- *Macrorhynchia clarkei*
- *Antennella gracilis*

Laodiceidae

- *Modeeria rotunda*

CNIDARIA (Continued)

- Synthecliidae
  - *Synthecium tubithecum*
  - *Synthecium robustum*
  - *Synthecium nanum*
  - *Synthecium ?nanum*
- Hebeliidae
  - *Hebella calcarata*

Hydrozoa-Milleporina
- Milleporidae
  - *Millepora alcicornis*

Hydrozoa-Stylasterina
- Stylasteridae
  - *Stylaster* sp.

Scyphozoa

Scyphozoa-Coronatae
- Nausithoidae
  - *Nausithoe* sp. (Scyphistoma stage)
- Atollidae
  - *Stephanoscyphus corniformis*

Anthozoa

Anthozoa-Ceriantipatharia

Antipatharia
- Antipathidae
  - *Antipathes* sp.
  - *Antipathes gracilis*
  - *Antipathes columnaris*
  - *Antipathes rhipidion*
  - *Antipathes pedata*
  - *Antipathes* cf. *furcata*
  - *Antipathes* cf. *tanacetum*
  - *Cirrhipathes* sp.
  - *Cirrhipathes luetkeni*
  - *Aphanipathes humilis*
  - *Aphanipathes abietina*
  - *Aphanipathes filix*

Anthozoa-Octocorallia

Octocorallia-Alcyonacea
- Clavulariidae
  - *Telesto* sp.
  - *Telesto sanguinea*
  - *Telesto operculata*
  - *Telesto fruticulosa*
  - *Telesto corallina*
  - *Carejoa riisei*
- Alcyoniidae
  - *Bellonella tenuis*

CNIDARIA (Continued)

Nidaliidae
Nidalia occidentalis
Siphonogorgia agassizii
Octocorallia-Gorgonacea
Anthothelidae
Diodogorgia nodulifera
Keroeididae
Lignella richardi
Paramuriceidae
Plexauridae
Pseudoplexaura sp.
Pseudoplexaura porosa
Pseudoplexaura wagenaari
Pseudoplexaura flagellosa
Eunicea (Euniceopsis) sp.
Eunicea fusca
Eunicea ?fusca
Eunicea calyculata
Eunicea ?calyculata
Eunicea sp. cf. calyculata
Eunicea calyculata calyculata
Eunicea calyculata coronata
Eunicea knighti
Eunicea ?knighti
Eunicea cf. laciniata
Eunicea asperula
Eunicea ?asperula
Eunicea sp. cf. asperula
Eunicea clavigera
Eunicea ?clavigera
Eunicea tourneforti
Eunicea sp. cf. tourneforti
Eunicea (Euniceopsis) sp. indet.
Eunicea ?laciniata
Plexaurella sp.
Plexaurella nutans
Plexaurella fusifera
Plexaurella dichotoma
Plexaurella grisea
Muricea spp.
Muricea elongata
Muricea laxa
Bebryce grandis
Thesea sp.
Thesea plana
Thesea parviflora

CNIDARIA (Continued)

- *Thesea citrina*
- *Thesea grandiflora*
- *Thesea grandiflora rugulusa*
- *Thesea hebes*
- *Thesea guadalupensis*
- *Swiftia exserta*
- *Swiftia costa*
- *Scleracis guadalupensis*
- *Scleracis petrosa*
- *Placogorgia* sp.
- *Placogorgia mirabilis*
- *Placogorgia tenuis*
- *Placogorgia rudis*
- *Villogorgia nigrescens*
- *Callacis nutans*
- *Muriceopsis* sp.

Gorgonllidae

- *Lophogorgia* sp.
- *Lophogorgia cardinalis*
- *Lophogorgia barbadensis*
- *Lophogorgia hebes*
- *Leptogorgia* sp.
- *Leptogorgia stheno*
- *Leptogorgia euryale*
- *Leptogorgia medusae*
- *Leptogorgia virgulata*
- *Pseudopterogorgia* sp.
- *Pseudopterogorgia acerosa*
- *Pseudopterogorgia rigida*
- *Pseudopterogorgia americana*
- *Pterogorgia guadalupensis*

Elllsellidae

- *Elllsella* sp.
- *Elllsella atlantica*
- *Elllsella elongata*
- *Elllsella funiculina*
- *Elllsella barbadensis*
- *Nicella* sp.
- *Nicella schmitti*
- *Nicella* cf. *granifera*
- *Nicella guadalupensis*
- *Nicella goreaui*
- *Nicella americana*

Isididae

- *Keratoisis flexibilis*

CNIDARIA (Continued)

- Octocorallia-Pennatulacea
  - Virgulariidae
    - Virgularia presbytes
- Anthozoa-Zoantharia
  - Unidentified hard coral(dead)
  - Unidentified hard coral(live)
- Zoantharia-Actiniaria
- Actiniaria-Athenaria
- Actiniaria-Thenaria
  - Actiniidae
    - Anemone sp.
    - Anemone sp. A
    - Anemone spp.
- Zoantharia-Scleractinia
  - Astrocoeniidae
    - Stephanocoenia sp.
    - Stephanocoenia michelinii
  - Pocilloporidae
    - Madracis sp.
    - Madracis asperula
    - Madracis decactis
    - Madracis formosa
    - Madracis mirabilis
    - Madracis brueggemanni
    - Madracis myriaster
  - Agariciidae
    - Agaricia sp.
    - Agaricia lamarcki
    - Agaricia fragilis
    - Agaricia fragilis contracta
    - Agaricia fragilis fragilis
    - Agaricia agaricites
    - Agaricia agaricites agaricites
    - Agaricia agaricites purpurea
    - Leptoseris (Helioseris) cucullata
  - Siderastreidae
    - Siderastrea sp.
    - Siderastrea siderea
    - Siderastrea radians
  - Poritidae
    - Porites sp.
    - Porites porites
    - Porites porites divaricata

CNIDARIA (Continued)

- *Porites astreoides*
- *Porites branneri*

Faviidae

- *Favia gravida*
- *Manicina* sp.
- *Manicina areolata*
- *Cladocora* sp.
- *Cladocora arbuscula*
- *Cladocora ?arbuscula*
- *Solenastrea* sp.
- *Solenastrea hyades*
- *Montastrea* sp.
- *Montastrea cavernosa*

Rhizangiidae

- *Phyllangia americana*
- *Astrangia solitaria*

Ocullnidae

- *Oculina* sp.
- *Oculina diffusa*
- *Oculina robusta*
- *Oculina tenella*
- *Madrepora carolina*

Meandrinidae

- *Dichocoenia stokesi*
- *Dichocoenia stellaris*

Mussidae

- *Scolymia* sp.
- *Scolymia lacera*
- *Isophyllia* sp.
- *Isophyllia multiflora*
- *Isophyllia sinuosa*
- *Mussa angulosa*
- *Mycetophyllia* sp.

Caryophylliidae

- *Rhizosmilia maculata*
- *Caryophyllia horologium*
- *Caryophyllia berteriana*
- *Oxysmilia rotundifolia*
- *Paracyathus pulchellus*
- *Coenosmilia arbuscula*
- *Deltocyathus calcar*
- *Trochocyathus rawsonii*
- *Anomocora fecunda*
- *Flabellum fragile*
- *Javania calliteti*

CNIDARIA (Continued)

Guyniidae
Guynia annulata
Dendrophylliidae
Balanophyllia wellsi
Dendrophyllia cornucopia

PLATYHELMINTHES

Turbellaria
Turbellaria-Polycladida
Archoophora-Polycladida-Acotylea
Stylochidae
Stylochus sp.
Leptoplanidae
Euplana gracilis
Archoophora-Polycladida-Cotylea
Euryleptidae
Prosthecereaus maculosus
Prosthiostomidae
Prosthiostomum sp.

RHYNCHOCOELA

KINORHYNCHA

ASCHELMINTHES-NEMATODA

ANNELIDA

Polychaeta
Unidentified polychaete sp. A
Unidentified polychaete sp. D
Unidentified polychaete sp. E
Aphroditidae
Aphrodite hastata
Polynoidae
Antinoella sp.
Antinoella sarsi
Harmothoe sp.
Harmothoe extenuata
Harmothoe spinifera
Lepidonotus sublevis
Pseudohalosydna sp. A
Lepidasthenia varia
Malmgrenia sp.

ANNELIDA (Continued)

- *Malmgrenia lunulata*
- *Subadyte pellucida*
- Polynoidae genus B
- Polynoidae genus C
- Polynoidae genus D
- Polynoidae genus E

Polyodontidae
- *Polyodontes lupina*

Sigalionidae
- *Thalenessa* cf. *lewisi*
- *Pholoe* sp.
- *Pholoe minuta*
- *Sthenelais* sp.
- *Sthenelais boa*
- *Sthenelais limicola*
- *Sthenelais obliquis*
- *Sthenelais* sp. A
- *Sigalion arenicola*
- *Sigalion exigua*
- *Ehlersileanira incisa*
- *Psammolyce ctenidophora*
- *Sthenelanella ehlersi*
- *Fimbriosthenelais* sp.
- *Fimbriosthenelais hobbsi*
- *Fimbriosthenelais minor*

Pisionidae
- *Pisione remota*

Chrysopetalidae
- *Paleanotus heteroseta*
- *Paleanotus* sp. A
- *Bhawania goodei*
- *Chrysopetalum occidentalis*

Amphinomidae
- *Chloeia viridis*
- *Pseudoeurythoe ambigua*
- *Paramphinome pulchella*
- *Paramphinome* sp. B
- *Eurythoe complanata*

Euphrosinidae
- *Euphrosine* sp.

Phyllodocidae
- *Phyllodoce* sp.
- *Anaitides groenlandica*
- *Anaitides mucosa*
- *Phyllodoce arenae*

ANNELIDA (Continued)

Phyllodoce castanea
Phyllodoce fragilis
Phyllodoce panamensis
Phyllodoce madeirensis
Phyllodoce longipes
Eteone heteropoda
Eteone lactea
Eulalia sanguinea
Eulalia macroceros
Mystides rarica
Paranaitis sp.
Paranaitis polynoides
Hesionura elongata
Protomystides bidentata
Phyllodocidae sp. A
Phyllodocidae sp. B

Hesionidae
Gyptis brevipalpa
Gyptis vittata
Nereimyra sp. A
Kefersteinia sp.
Parahesione sp.
Micropodarke sp.
Dalhousiella sp.
Hesione picta
Podarke sp.
Podarke obscura
Podarke sp. A
Heteropodarke heteromorpha
Heteropodarke cf. hetermorpha
Heteropodarke sp. A
Hesionidae sp. A

Pilargidae
Ancistrosyllis sp.
Ancistrosyllis hamata
Ancistrosyllis cf. hamata
Ancistrosyllis hartmanae
Ancistrosyllis jonesi
Ancistrosyllis cf. jonesi
Ancistrosyllis groenlandica
Ancistrosyllis papillosa
Ancistrosyllis matsunagaensis
Ancistrosyllis cf. matsunagaensis
Ancistrosyllis sp. A

ANNELIDA (Continued)

Sigambra sp.
Sigambra tentaculata
Sigambra bassi
Pilargis sp.
Pilargis sp. B
Cabira incerta
Synelmis albini
Pilargidae sp. A
Syllidae
Autolytus sp.
Autolytus sp. A
Autolytus dentalius
Pionosyllis sp.
Pionosyllis uraga
Pionosyllis sp. E
Pionosyllis procera
Pionosyllis weismanni
Pionosyllis gesae
Pionosyllis sp. A
Pionosyllis sp. B
Syllis gracilis
Trypanosyllis sp.
Trypanosyllis vittigera
Trypanosyllis sp. A
Typosyllis sp.
Typosyllis alternata
Typosyllis armillaris
Typosyllis variegata
Typosyllis regulata
Typosyllis cf. hyalina
Typosyllis amica
Typosyllis cf. lutea
Typosyllis corallicoloides
Typosyllis prolifera
Typosyllis antillensis
Typosyllis sp. A
Typosyllis sp. B
Typosyllis sp. C
Eusyllis sp.
Eusyllis lamelligera
Eusyllis sp. A
Eusyllis longicirrata
Exogone sp.
Exogone n. sp.
Exogone dispar

ANNELIDA (Continued)

Exogone lourei
Exogone hebes
Exogone uniformis
Exogone arenosa
Exogone atlantica
Exogone longicirrus
Exogone sp. A
Exogone sp. B
Sphaerosyllis sp.
Sphaerosyllis glandulata
Sphaerosyllis aciculata
Sphaerosyllis magnadentata
Sphaerosyllis taylori
Sphaerosyllis pettiboneae
Sphaerosyllis riseri
Sphaerosyllis piriferopsis
Brania spp.
Brania n. sp.
Brania clavata
Brania gallagheri
Brania sp. A
Ehlersia cornuta
Ehlersia ferrugina
Ehlersia sp. A
Haplosyllis spongicola
Odontosyllis fulgurans
Odontosyllis longiseta
Odontosyllis enopla
Syllides sp.
Syllides fulvus
Syllides floridanus
Streptosyllis pettiboneae
Streptosyllis sp. A
Parapionosyllis sp.
Parapionosyllis longicirrata
Parapionosyllis sp. A
Plakosyllis quadrioculata
Eurysyllis tuberculata
Proceraea sp.
Branchiosyllis exilis
Opisthodonta sp. A
Opisthodonta sp. B
Branchiosyllis oculata
Xenosyllis sp. A
Dentatisyllis carolinae

ANNELIDA (Continued)

Nereidae
- Ceratonereis sp.
- Ceratonereis irritabilis
- Ceratonereis mirabilis
- Ceratonereis longicirrata
- Ceratonereis versipedata
- Neanthes acuminata
- Neanthes micromma
- Neanthes sp. A
- Nereis sp.
- Nereis grayi
- Nereis riisei
- Nereis falsa
- Nereis lamellosa
- Platynereis dumerilii
- Ceratocephale oculata
- Websterinereis sp.
- Gymnonereis crosslandi
- Rullierinereis sp.
- Nicon moniloceras
- Nereidae sp. A
- Steninonereis martini

Nephtyidae
- Nephtys sp.
- Nephtys bucera
- Nephtys incisa
- Nephtys picta
- Nephtys squamosa
- Nephtys simoni
- Micronephtys minuta
- Aglaophamus verrilli
- Aglaophamus circinata
- Inermonephtys inermis

Sphaerodoridae
- Sphaerodoropsis sp.
- Clavodorum sp.
- Sphaerephesia sp.

Glyceridae
- Glycera sp.
- Glycera capitata
- Glycera tesselata
- Glycera americana
- Glycera dibranchiata
- Glycera papillosa
- Glycera sphyrabrancha

ANNELIDA (Continued)

- Glycera oxycephala
- Glycera sp. A
- Glycera sp. C

Goniadidae

- Glycinde nordmanni
- Goniada sp.
- Goniada maculata
- Goniada brunnea
- Goniada teres
- Goniada sp. A
- Goniada littorea
- Goniadella sp. A
- Goniadides carolinae

Onuphidae

- Onuphis sp.
- Onuphis cf. eremita
- Onuphis pallidula
- Onuphis nebulosa
- Onuphis cf. nebulosa
- Onuphis microcephalo
- Diopatra sp.
- Diopatra cuprea
- Diopatra tridentata
- Nothria sp.
- Nothria sp. A
- Rhamphobrachium atlanticum
- Kimbergonuphis sp.
- Kimbergonuphis simoni
- Mooreonuphis pallidula
- Mooreonuphis nebulosus
- Onuphidae sp. A

Eunicidae

- Eunice vittata
- Eunice filamentosa
- Eunice websteri
- Eunice tenuis
- Marphysa sp.
- Marphysa cf. bellii
- Marphysa sp. A
- Marphysa sp. B
- Marphysa sp. C
- Lysidice sp.
- Lysidice ninetta
- Nematonereis unicornis
- Eunicidae sp. A

ANNELIDA (Continued)

Lumbrineridae
- Lumbrineris sp.
- Lumbrineris latreilli
- Lumbrineris inflata
- Lumbrineris tenuis
- Lumbrineris acuta
- Lumbrineris impatiens
- Lumbrineris tetraura
- Lumbrineris cruzensis
- Lumbrineris ernesti
- Lumbrineris coccinea
- Lumbrineris verrilli
- Lumbrineris januarii
- Lumbrineris paradoxa
- Lumbrineris crassidentata
- Lumbrineris candida
- Lumbrineris sp. A
- Lumbrineris sp. B
- Lumbrineris sp. C
- Lumbrineris sp. D
- Lumbrineris sp. E
- Lumbrinerides dayi
- Lumbrinerides acuta
- Lumbrineris cf. acuta
- Lumbrinerides sp. A
- Lumbrineriopsis paradoxa

Arabellidae
- Drilonereis sp.
- Drilonereis longa
- Drilonereis magna
- Arabella iricolor
- Arabella mutans
- Arabella magna
- Notocirrus sp. A

Dorvilleidae
- Dorvillea sociabilis
- Dorvillea sp. A
- Dorvillea jumarsii
- Protodorvillea kefersteini
- Protodorvillea minuta
- Protodorvillea bifida
- Schistomeringos sp.
- Schistomeringos caeca
- Schistomeringos rudolphi
- Schistomeringos sp. A

ANNELIDA (Continued)

- *Schistomeringos* sp. C
- *Ophryotrocha puerilis*
- *Pettiboneia blakeae*
- *Pettiboneia* sp. A
- *Meiodorvillea perplexa*
- Dorvilleidae genus C
- Dorvilleidae sp. B

Orbiniidae

- *Haploscoloplos* sp.
- *Haploscoloplos foliosus*
- *Haploscoloplos fragilis*
- *Naineris* sp.
- *Naineris quadricuspida*
- *Naineris bicornis*
- *Scoloplos* sp.
- *Scoloplos rubra*
- *Scoloplos acmeceps*
- *Scoloplos capensis*
- *Scoloplos texana*
- *Phylo felix*
- *Orbinia americana*
- *Orbinia riseri*

Paraonidae

- *Aedicira* sp.
- *Aricidea* sp.
- *Aricidea suecica*
- *Aricidea* cf. *suecica*
- *Aricidea jeffreysii*
- *Aricidea wassi*
- *Aricidea catherinae*
- *Aricidea cerrutii*
- *Aricidea* cf. *cerrutii*
- *Aricidea fragilis*
- *Aricidea philbinae*
- *Aricidea fauveli*
- *Aricidea quadrilobata*
- *Aricidea simplex*
- *Aricidea taylori*
- *Aricidea* cf. *finitima*
- *Aricidea* cf. *pseudoarticulata*
- *Aricidea allsdairi*
- *Aricidea* cf. *allsdairi*
- *Aricidea trilobata*
- *Aricidea* sp. A
- *Aricidea* sp. B

ANNELIDA (Continued)

- *Aricidea* sp. C
- *Aricidea* sp. D
- *Paraonis fulgens*
- *Paraonis* cf. *fulgens*
- *Paraonides lyra*
- *Paraonis pygoenigmata*
- *Cirrophorus* sp.
- *Cirrophorus lyra*
- *Cirrophorus branchiatus*
- *Cirrophorus americanus*
- *Cirrophorus* cf. *forticirrata*
- *Cirrophorus* sp. A
- *Levinsenia acutibranchiata*
- *Levinsenia gracilis*
- *Levinsenia reducta*
- *Levinsenia* sp. A

Apistobranchidae

- *Apistobranchus* sp. A

Spionidae

- *Laonice cirrata*
- *Polydora* sp.
- *Polydora socialis*
- *Polydora ligni*
- *Polydora* sp. A
- *Polydora brachycephala*
- *Prionospio* sp.
- *Prionospio cirrifera*
- *Prionospio steenstrupi*
- *Prionospio cirrobranchiata*
- *Prionospio longibranchiata*
- *Prionospio cristata*
- *Prionospio fallax*
- *Scolecolepides viridis*
- *Spio* sp.
- *Spio pettiboneae*
- *Boccardia* sp. A
- *Spiophanes bombyx*
- *Spiophanes berkeleyorum*
- *Spiophanes wigleyi*
- *Rhynchospio glutaeus*
- *Malacoceros* sp.
- *Malacoceros* cf. *indicus*
- *Malacoceros vandorhorsti*
- *Pseudopolydora* sp.
- *Paraprionospio pinnata*

ANNELIDA (Continued)

- *Streblospio benedicti*
- *Dispio uncinata*
- *Scoletepis* sp.
- *Scoletepis squamata*
- *Scoletepis texana*
- *Aonides mayaguezensis*
- *Apoprionospio dayi*
- *Apoprionospio pygmaea*
- *Microspio pigmentata*
- *Minuspio* sp.
- *Minuspio polybranchiata*
- *Minuspio longibranchiata*

Magelonidae
- *Magelona* sp.
- *Magelona pacifica*
- *Magelona* cf. *cornuta*
- *Magelona* cf. *cincta*
- *Magelona pettiboneae*
- *Magelona riojai*
- *Magelona* sp. A
- *Magelona* sp. B
- *Magelona* sp. C
- *Magelona* sp. D
- *Magelona* sp. E

Poecilochaetidae
- *Poecilochaetus johnsoni*

Heterospionidae
- *Heterospio catalinensis*
- *Heterospio longisimma*

Chaetopteridae
- *Chaetopterus variopedatus*
- *Phyllochaetopterus* sp.
- *Spiochaetopterus oculatus*
- *Mesochaetopterus* sp.
- *Mesochaetopterus taylori*
- *Mesochaetopterus capensis*

Cirratulidae
- *Cirratulus* sp.
- *Cirratulus* sp. A
- *Caulleriella* sp.
- *Caulleriella alata*
- *Caulleriella* sp. A
- *Caulleriella* sp. B
- *Thayrx* sp.
- *Tharyx annulosus*

ANNELIDA (Continued)

- *Tharyx marioni*
- *Chaetozone* sp.
- *Chaetozone setosa*
- *Chaetozone gayheadia*
- *Chaetozone* sp. B
- *Dodecaceria coralii*
- *Dodecaceria diceria*
- Cirratulidae sp. A
- Cirratulidae sp. B

Acrocirridae
- *Acrocirrus frontifilis*

Cossuridae
- *Cossura delta*
- *Cossura soyeri*

Flabelligeridae
- *Diplocirrus capensis*
- *Diplocirrus* sp. A
- *Therochaeta* sp. A
- *Piromis roberti*

Scalibregmidae
- *Scalibregma inflatum*
- *Asclerocheilus beringianus*
- *Hyboscolex longiseta*
- *Sclerobregma sternocerum*

Opheliidae
- *Armandia maculata*
- *Armandia agilis*
- *Armandia gracilis*
- *Travisia* sp.
- *Ophelina cylindricaudata*

Sternaspidae
- *Sternaspis* sp.
- *Sternaspis scutatus*

Capitellidae
- *Capitella capitata*
- *Heteromastus filiformis*
- *Notomastus* sp.
- ?*Notomastus* sp.
- *Notomastus latericeus*
- *Notomastus hemipodus*
- *Notomastus americanus*
- *Notomastus* cf. *americanus*
- *Notomastus lobatus*
- *Notomastus daueri*
- *Notomastus* sp. A

ANNELIDA (Continued)

Mediomastus sp.
Mediomastus californiensis
Decamastus sp. A
Barantolla cf. lepte
Leiocapitella glabra
Leiocapitella sp. A
Leiocapitella sp. B
Dasybranchus lunulatus
Dasybranchus lumbricoides
Leiochrides pallidior
Leiochrus sp.
Dasybranchethus sp.
Peresiella sp. A
Eunotomastus sp. A
Mastobranchus sp. A
Anotomastus sp.
Capitellidae sp. A
Capitellidae sp. B
Capitellidae sp. E
Capitellidae sp. F

Maldanidae
Asychis sp.
Asychis carolinae
Asychis elongata
Clymenella torquata
Clymenella zonalis
Axiothella mucosa
Axiothella sp. A
Euclymene sp.
Euclymene sp. A
Euclymene sp. B
Macroclymene sp.
Branchyloasychis americana
Maldanidae sp. B
Unidentified Maldanidae sp. A

Owenidae
Owenia fusiformis
Myriochele oculata

Sabellariidae
Sabellaria vulgaris

Pectinariidae
Pectinaria gouldii

Ampharetidae
Amage auricula
Ampharete sp.

ANNELIDA (Continued)

- *Ampharete acutifrons*
- *Ampharete americana*
- *Ampharete parvidentata*
- *Ampharete* sp. A
- *Ampharete* sp. B
- *Ampharete* sp. C
- *Amphicteis gunneri*
- *Amphicteis scaphobranchiata*
- *Amphicteis* sp. A
- *Lysippe* cf. *annectens*
- *Melinna cristata*
- *Melinna maculata*
- *Sabellides octocirrata*
- *Samythella elliasoni*
- *Hypania* sp.
- *Isolda pulchella*
- Ampharetidae genus B

Terebellidae
- *Eupolymnia nebulosa*
- *Neoleprea* sp. A
- *Pista* sp.
- *Pista cristata*
- *Pista palmata*
- *Pista quadrilobata*
- *Pista* sp. A
- *Polycirrus* sp.
- *Polycirrus eximius*
- *Polycirrus carolinensis*
- *Polycirrus plumosus*
- *Thelepus setosus*
- *Loimia medusa*
- *Amaeana trilobata*
- *Amaeana accraensis*
- *Telothelepus capensis*
- *Telothelepus* cf. *capensis*
- Terebellidae sp. A

Trichobranchidae
- *Terebellides stroemi*
- *Trichobranchus glacialis*

Sabellidae
- *Chone* sp.
- *Chone duneri*
- *Chone americana*
- *Euchone* sp.
- *Euchone incolor*

ANNELIDA (Continued)

- *Euchone* sp. A
- *Megalomma bioculatum*
- *Megalomma lobiferum*
- *Potamilla reniformis*
- *Sabella* sp.
- *Sabella microphthalma*
- *Sabella variegata*
- *Fabricia* sp.
- *Fabricia sabella*
- *Jasmineira* sp.
- *Jasmineira bilobata*
- *Branchiomma nigromaculata*

Serpulidae

- *Crucigera* sp.
- *Spirorbis* sp. A
- *Apomatus* sp.
- *Hydroides* sp.
- *Hydroides protulicola*
- *Hydroides crucigera*
- *Hydroides lunulifera*
- *Hydroides bispinosa*
- *Hydroides uncinatus*
- *Filograna* sp.
- *Filograna implexa*
- *Pseudovermiliopsis occidentalis*
- *Vermiliopsis* sp.
- *Vermiliopsis annulata*
- *Vermiliopsis infundibulum*
- *Vermiliopsis* sp. A
- *Pomatoceros americanus*
- *Protis* sp.

Questidae

- *Questa caudicirrata*

Bogueidae

- *Boguea* sp.
- *Boguea enigmatica*

Eulepethidae

- *Grubeulepis* sp.
- *Grubeulepis mexicana*
- *Grubeulepis* cf. *mexicana*
- *Grubeulepis gaeyi*
- *Grubeulepis augeneri*
- *Grubeulepis* sp. A

Archiannelida

Oligochaeta

MOLLUSCA

Gastropoda
Gastropoda-Prosobranchia
Archaeogastropoda
Scissurellidae
Scissurella sp.
Scissurella crispata
Haliotidae
Haliotis pourtalesii
Fissurellidae
Puncturella bullisae
Diodora sp.
Diodora cayenensis
Diodora dysoni
Diodora minuta
Diodora sayi
Diodora listeri
Diodora jaumei
Nesta atlantica
Lucapinella limatula
Lucapina eolis
Lucapina aegis
Lucapina sowerbii
Lucapina suffusa
Rimula frenulata
Emarginula tuberculosa
Trochidae
Calliostoma sp.
Calliostoma roseolum
Calliostoma tampaense
Calliostoma marionae
Calliostoma euglyptum
Calliostoma jujubinum
Calliostoma pulchrum
Solariella sp.
Solariella lacunella
Solariella lamellosa
Calliotropis calatha
Margarites sp.
Turbinidae
Turbo sp.
Turbo crenulatus
Turbo callisti
Turbo ayersi
Turbo castaena
Astraea sp.

MOLLUSCA (Continued)

- *Astraea phoebia*
- *Astraea caelata*

Cyclostrematidae

- *Ganesa* sp.
- *Cyclostrema tortuganum*
- *Arene tricarinata*

Mesogastropoda

Littorinidae

- *Echininus nodulosus*

Rissoidae

- *Alvinia* sp.

Vitrinellidae

- *Vitrinella* sp.
- *Vitrinella* cf. *helicoidea*
- *Cyclostremiscus* sp.
- *Circulus* sp.

Architectonicidae

- *Architectonica nobilis*

Turritellidae

- *Vermicularia* sp.
- *Vermicularia spirata*
- *Vermicularia knorri*
- *Vermicularia fargoi*
- *Turritella acropora*
- *Turritella exoleta*

Vermetidae

- *Serpulorbis decussatus*
- *Petaloconchus erectus*

Caecidae

- *Caecum* sp.
- *Caecum pulchellum*
- *Caecum* cf. *pulchellum*
- *Caecum cubitatum*
- *Caecum* cf. *cubitatum*
- *Caecum floridanum*
- *Caecum ryssotitum*
- *Caecum nitidum*
- *Caecum imbricatum*
- *Caecum strigosum*

Modulidae

- *Modulus modulus*

Cerithiidae

- *Diastoma varium*
- *Diastoma ?varium*
- *Cerithium atratum*
- *Cerithium litteratum*

MOLLUSCA (Continued)

- *Cerithium litteratum semiferruginea*
- *Cerithium eburneum*
- *Cerithium floridanum*
- *Finella dubia*
- *Finella* cf. *dubia*

Cerithiopsidae
- *Cerithiopsis* sp.
- *Seila adamsi* f. *terebralis*

Triphoridae
- *Triphora decorata*

Seguenziidae
- *Seguenzia monocingulata*
- *Seguenzia monocingulata monocingulata*

Epitoniidae
- *Epitonium* sp.
- *Epitonium* (*Epitonium*) *krebsii*
- *Epitonium angulatum*
- *Epitonium novangliae*
- *Epitonium foliacelsostum*
- *Cirsotrema dalli*
- *Amaea retifera*
- *Nystelilla concava*

Acilidae
- *Acilis* sp.
- *Schwengelia* sp.

Melaneliidae
- *Melanella* sp.
- *Melanella intermedia*
- *Melanella conoidea*
- *Melanella divaricata*
- *Strombiformis* sp.
- *Strombiformis bilineatus*
- *Strombiformis hemphilli*
- *Eulima* sp.
- *Niso hendersoni*
- *Niso aeglees*
- *Niso* n. sp.

Stiliferidae
- *Athleenia burryi*

Strombidae
- *Strombus* sp.
- *Strombus alatus*
- *Strombus costatus*

Hipponicidae
- *Hipponix antiquatus*

MOLLUSCA (Continued)

- Crepidulidae
  - *Calyptraea* sp.
  - *Calyptraea centralis*
  - *Crepidula* sp.
  - *Crepidula fornicata*
  - *Crepidula plana*
  - *Crepidula aculeata*
  - *Crepidula maculosa*
  - *Crucibulum striatum*
  - *Crucibulum planum*
  - *Crucibulum auricula*
- Xenophoridae
  - *Xenophora conchyliophora*
  - *Tugurium caribaeum*
- Velutinidae
  - *Lamellaria* sp.
  - *Lamellaria leucosphaera*
  - *Lamellaria perspicera*
- Eratoidae
  - *Trivia* sp.
  - *Trivia maltbiana*
  - *Trivia pediculus*
  - *Trivia quadripunctata*
  - *Trivia suffusa*
  - *Trivia nix*
  - *Erato maugeriae*
- Cypraeidae
  - *Cypraea spurca acicularis*
  - *Cypraea cinerea*
  - *Cypraea cervus*
- Ovulidae
  - *Cyphoma gibbosum*
- Naticidae
  - *Natica* sp.
  - *Natica marochiensis*
  - *Natica pusilla*
  - *Natica perlineata*
  - *Polinices lacteus*
  - *Sinum maculatum*
  - *Naticarius canrena*
  - *Sigatica* sp.
  - *Sigatica carolinensis*
  - *Stigmaulax sulcatus*

MOLLUSCA (Continued)

- Cassidae
  - Phalium granulatum
  - Cassis sp.
  - Cassis madagascariensis
  - Cassis madagascariensis spinella
  - Cypraecassis testiculus
  - Sconsia striata
- Cymatiidae
  - Cymatium krebsii
  - Cymatium vespaceum
  - Cymatium moritinctum
  - Cymatium parthenopeum
  - Cymatium labiosum
  - Cymatium pharcidum
  - Distorsio clathrata
  - Distorsio constricta
  - Distorsio constricta macgintyi
- Tonnidae
  - Tonna maculosa
  - Tonna galea
- Ficidae
  - Ficus carolae
- Siliquariidae
  - Siliquaria squamata
  - Siliquaria modesta
- Rissoinidae
  - Zebina browniana
  - Rissoina sp.

Neogastropoda

Neogastropoda-Stenoglossa

- Muricidae
  - Thais haemastoma floridana
  - Acanthotrophon striatoides
  - Chicoreus florifer
  - Chicoreus dilectus
  - Chicoreus n. sp. 1
  - Chicoreus n. sp. 2
  - Murex sp.
  - Murex anniae
  - Murex cabritii
  - Murex bellegladensis
  - Murex rubidus
  - Murex recurvirostris
  - Murex florifer
  - Murex florifer dilectus
  - Murex fryoni

MOLLUSCA (Continued)

- Murex blakeanus
- Phyllonotus pomum
- Favartia sp.
- Favartia cellulosa
- Muricopsis sp.
- Muricopsis oxytata
- Calotrophon andrewsi
- Calotrophon ostrearum
- Murexiella macgintyi
- Murexiella levicula
- Ocenebra sp.
- Attiliosa phillipiana

Columbellidae

- Anachis sp.
- Anachis sparsa
- Anachis lafresnayi
- Anachis pulchella
- Anachis floridana
- Mitrella sp.
- Mitrella lunata
- Nassarina sp.
- Suturoglypta iontha
- ?Cosmioconcha sp.

Buccinidae

- Colubraria lanceolata
- Pisania tincta
- Cantharus n. sp.
- Cantharus multangulus
- Antillophos candei
- Bailya intricata
- Phos beaui

Melongenidae

- Busycon contrarium

Nassariidae

- Nassarius vibex
- Nassarius consensus
- Nassarius floridensis
- Nassarius albus
- Nassarius hottessieri

Fasciolariidae

- Latirus cariniferus
- Latirus macgintyi
- Latirus angulatus
- Fasciolaria sp.
- Fasciolaria lilium

MOLLUSCA (Continued)

- Fasciolaria lilium tortugana
- Fasciolaria tulipa
- Fasciolaria bullisi
- Fasciolaria hunteria
- Fusinus sp.
- Fusinus eucosmius
- Fusinus timessus
- Fusinus helenae
- Fusinus stegeri
- Pleuroploca gigantea
- Leucozonia nassa
- Fusininae

Olividae

- Olivella sp.
- Olivella dealbata
- Olivella watermani
- Olivella floralia
- Olivella pusilla
- Olivella sp. A
- Oliva sp.
- Oliva circinata
- Oliva cf. circinata
- Oliva reticularis
- Oliva sayana
- Jaspidella sp.

Volutidae

- Scaphella junonia

Cancellariidae

- Cancellaria n. sp.
- Cancellaria reticulata
- Trigonostoma tenerum
- Agatrix agassizii

Marginellidae

- Marginella sp.
- Marginella hematita
- Marginella hartleyanum
- Marginella aureocincta
- Marginella apicina
- Marginella lavelleana
- Hyalina sp.
- Hyalina avena
- Hyalina cf. avena
- Prunum sp.
- Prunum roosevelti
- Prunum amabilis

MOLLUSCA (Continued)

Prunum cf. amabilis
Prunum carneum
Prunum n. sp.
Persicula pulcherrima
Coralliophilidae
Coralliophila scalariformis
Coralliophila abbreviata
Neogastropoda-Toxoglossa
Mitridae
Vexillum albocinctum
Turridae
Polystira albida
Polystira tellea
Mangelia sp.
Mangelia bandella
Mangelia melanitica
Leucosyrinx verrilli
Splendrillia n. sp.
Splendrillia janetae
Splendrillia moseri
Crassispira sp.
Crassispira tampaensis
Crassispira sanibelensis
Crassispira ostrearum
Crassispira bartschi
Crassispira leucocyma
Crassispira cubana
Crassispira polytorta
Crassispira albomaculata
Cerodrillia sp.
Cerodrillia perryae
Carinodrillia hallostrephis
Ithycythara sp.
Ithycythara parkeri
Ithycythara cf. pentagonalis
Ithycythara cymella
Cryoturris sp.
Brachycythara barbarae
Cryoturris citronella
Cryoturris quadrilineata
Bellaspira pentagonalis
Cochlespira radiata
Glyphostoma sp.
Glyphostoma gabbii
Inodrillia sp.

MOLLUSCA (Continued)

Neodrillia sp.
Neodrillia cydria
Kurtziella sp.
Kurtziella atrostyla
Conidae
Conus sp.
Conus n. sp.
Conus delessertii
Conus cf. delessertii
Conus floridanus
Conus floridanus floridanus
Conus spurius atlanticus
Conus stimpsoni
Conus amphiurgus
Conus daucus
Conus rainesae
Conus flamingo
Conus jaspideus
Conus stearnsi
Terebridae
Terebra sp.
Terebra dislocata
Terebra onslowensis
Terebra protexta
Terebra floridana
Terebra glossema
Terebra arcas
Strioterebrum concava
Strioterebrum protexta
Costellariidae
Gastropoda-Opisthobranchia
Pyramidelloida
Pyramidellidae
Odostomia sp.
Odostomia impressa
Turbonilla sp.
Turbonilla interrupta
Turbonilla conradi
Turbonilla dalli
Turbonilla hemphilli
Eulimella sp.
Turbonillinae sp.

MOLLUSCA (Continued)

- Cephalaspidea
  - Acteonidae
    - *Acteon* sp.
    - *Acteon punctostriatus*
    - *Acteon candens*
  - Scaphandridae
  - Philinidae
    - *Philine sagra*
    - *Philine infundibulum*
  - Bullidae
    - *Bulla umbilicata*
    - *Bulla striata*
  - Haminoeidae
    - *Haminoea* sp.
    - *Haminoea succinea*
  - Retusidae
    - *Volvulella* sp.
    - *Volvulella persimilis*
    - *Pyrunculus caelatus*
  - Cylindrobullidae
    - *Cylindrobulla beauii*
  - Acteocinidae
    - *Acteocina* sp.
    - *Acteocina canaliculata*
    - *Utriculastra canaliculata*
  - Atyidae
    - *Atys* sp.
    - *Atys caribaea*
    - *Atys sandersoni*
  - Cylichnidae
    - *Cylichna* sp.
    - *Cylichna verrilli*
    - *Cylichna* sp. A
    - *Cylichna* sp. B
    - *Cylichnella* sp.
    - *Cylichnella bidentata*
    - *Scaphander* sp.
    - *Scaphander punctostriatus*
    - *Scaphander* cf. *watsoni*
- Thecosomata
  - Cuvieridae
    - *Cavolinia* sp.
    - *Cavolinia tridentata*
    - *Creseis* sp.
    - *Creseis acicula*
    - *Creseis virgula*

MOLLUSCA (Continued)

- Sacoglossa
  - Oxynoidae
    - *Tridachia crispata*
- Opisthobranchia-Anaspidea
  - Aplysiidae
    - *Aplysia* sp.
    - *Aplysia parvula*
    - *Petalifera ramosa*
  - Tylodinidae
    - *Tylodina americana*
  - Notarchidae
    - *Dolabrifera dolabrifera*
- Notaspidea
  - Pleurobranchidae
    - *Pleurobranchus areolatus*
    - *Pleurobranchaea hedgpethi*
- Nudibranchia
- Nudibranchia-Doridoidea
- Doridacea sp.
  - Chromodorididae
    - *Anisodoris* sp.
    - *Anisodoris worki*
    - *Anisodoris ?worki*
    - *Discodoris* sp.
    - *Discodoris* sp. A
    - *Chromodoris* sp.
    - *?Discodoris* sp.
  - Dorididae
    - *Doris verrucosa*
    - *Taringa* sp.
    - *Glossodoris* sp.
    - *Glossodoris edenticulata*
    - *Cadlina* sp.
    - *Hypselodoris nyalya*
    - *Hypselodoris edenticulata*
    - *Platydoris angustipes*
    - *Siraius kyolis*
  - Onchidorididae
    - *Lamellidoris* sp.
  - Goniodorididae
    - *Crellada* n. sp.
  - Dendrodorididae
    - *Doriopsilla areolata*
    - *Dendrodoris krebsii*
  - Phyllidiidae
    - *Phyllidiopsis papilligera*

MOLLUSCA (Continued)

- Nudibranchia-Dendronotoidea
  - Tritoniidae
    - *Mariona* sp.
    - *Marionopsis* sp.
  - Bornellidae
    - *Bornella* sp.
    - *Bornella calcarata*
    - *Bornella* ?*calcarata*
- Gastropoda eggs

Polyplacophora

- Polyplacophora-Neoloricata
  - Hanleyidae
    - *Hanleya* n. sp.
  - Ischnochitonidae
    - *Ischnochiton* sp.
    - *Ischnochiton rugulatus*
    - *Ischnochiton purpurascens*
    - *Ischnochiton floridana*
  - Chaetopleuridae
    - *Chaetopleura apiculata*
  - Chitonidae
    - *Tonicia schrammi*
  - Acanthochitonidae
    - *Acanthochiton* sp.
    - *Acanthochitona pygmaea*
    - *Polyplacophora* sp. A

Aplacophora

- Aplacophora sp. A
- Aplacophora sp. B
- Aplacophora sp. C
- Aplacophora sp. D
- Aplacophora sp. E

Bivalvia

- Nuculoida
  - Nuculidae
    - *Nucula* sp.
    - *Nucula proxima*
    - *Nucula* cf. *proxima*
    - *Nucula crenulata*
  - Nuculanidae
    - *Nuculana* sp.
    - *Nuculana acuta*
    - *Nuculana concentrica*

MOLLUSCA (Continued)

- Solemyoida
  - Solemyacidae
    - *Solemya* sp.
    - *Solemya occidentalis*
- Arcoida
  - Arcidae
    - *Bathyarca glomerula*
    - *Anadara transversa*
    - *Anadara notabilis*
    - *Anadara floridana*
    - *Anadara baughmani*
    - *Arca zebra*
    - *Arca imbricata*
    - *Barbatia domingensis*
    - *Barbatia candida*
    - *Barbatia cancellaria*
    - *Arcopsis adamsi*
  - Limopsidae
    - *Limopsis* sp.
    - *Limopsis minuta*
    - *Limopsis* cf. *sulcatus*
    - *Limopsis aurita*
  - Glycymerididae
    - *Glycymeris* sp.
    - *Glycymeris americana*
    - *Glycymeris pectinata*
    - *Glycymeris decussata*
- Mytiloida
  - Mytilidae
    - *Crenella divaricata*
    - *Musculus* sp.
    - *Musculus lateralis*
    - *Modiolus* sp.
    - *Modiolus modiolus squamosus*
    - *Modiolus americanus*
    - *Amygdalum* sp.
    - *Amygdalum papyrium*
    - *Amygdalum sagittatum*
    - *Lithophaga* sp.
    - *Lithophaga bisulcata*
    - *Lithophaga antillarum*
    - *Lithophaga aristata*
    - *Lithophaga nigra*
    - *Gaukensia demissa*
    - *Lioberus castaneus*
    - *Botula fusca*

MOLLUSCA (Continued)

- Lithophaginae sp.
- Pinnidae
  - Atrina sp.
  - Atrina seminuda
  - Atrina serrata
- Pterioida
  - Pteriidae
    - Pinctada imbricata
    - Pinctada radiata
    - Pteria sp.
    - Pteria colymbus
    - Pteria ?colymbus
  - Malleidae
    - Malleus candeanus
  - Pectinidae
    - Chlamys benedicti
    - Chlamys sentis
    - Cyclopecten sp.
    - Cyclopecten nanus
    - Pecten sp.
    - Pecten ravenelli
    - Pecten ziczac
    - Pecten chazaliei
    - Propeamussium cancellatum
    - Propeamussium holmesii
    - Aequipecten sp.
    - Aequipecten muscosus
    - Aequipecten phrygium
    - Aequipecten glyptus
    - Palliolum sp.
    - Palliolum cf. leptaleum
    - Argopecten sp.
    - Argopecten gibbus
    - Lyropecten nodosus
    - Lyropecten antillarum
  - Plicatulidae
    - Plicatula sp.
    - Plicatula gibbosa
    - Plicatula cf. gibbosa
  - Spondylidae
    - Spondylus ictericus
    - Spondylus americanus
    - Spondylus ?americanus
  - Anomiidae
    - Pododesmus rudis

MOLLUSCA (Continued)

- *Anomia simplex*
- Limidae
  - *Lima* sp.
  - *Lima pellucida*
  - *Lima locklini*
  - *Lima lima*
  - *Lima ?scabra*
  - *Limatula* sp.
  - *Limea bronniana*
- Gryphaeidae
  - *Neopycnodonte cochlear*
- Ostreidae
  - *Crassostrea* sp.
  - *Ostreola equestris*
  - *Ostrea rhizophora*
  - *Ostrea permollis*
  - *Lopha frons*
  - *Lopha frons* cf. *limacella*
- Veneroida
  - Lucinidae
    - *Parvilucina blanda*
    - *Lucina* sp.
    - *Lucina muricata*
    - *Lucina* cf. *muricata*
    - *Lucina radians*
    - *Lucina* cf. *radians*
    - *Lucina nassula*
    - *Lucina* cf. *nassula*
    - *Anodontia* sp.
    - *Anodontia* cf. *philippiana*
    - *Anodontia alba*
    - *Linga* sp.
    - *Linga leucocyma*
    - *Linga amiantus*
    - *Linga pensylvanica*
    - *Divaricella quadrisulcata*
    - *Dosinia* sp.
    - *Dosinia discus*
    - *Codakia orbiculata*
  - Ungulinidae
    - *Diplodonta* sp.
    - *Diplodonta punctata*
    - *Diplodonta semiaspera*
  - Leptonidae
    - *Mysella* sp.

MOLLUSCA (Continued)

- *Mysella planulata*
- *Neaeromya floridana*

Sportellidae
- *Basterotia* sp.

Carditidae
- *Cyclocardia* sp.
- *Venericardia* sp.
- *Glans* sp.
- *Glans dominguensis*
- *Pleuromeris tridentata*

Astartidae
- *Astarte globula*

Crassatellidae
- *Eucrassatella speciosa*
- *Crassinella* sp.
- *Crassinella martinicensis*
- *Crassinella lunulata*
- *Crassinella* cf. *lunulata*

Cardiidae
- *Nemocardium* sp.
- *Nemocardium tinctum*
- *Nemocardium peramabile*
- *Laevicardium* sp.
- *Laevicardium mortoni*
- *Laevicardium laevigatum*
- *Laevicardium pictum*
- *Laevicardium sowerbyi*
- *Trachycardium* sp.
- *Trachycardium egmontianum*
- *Trachycardium muricatum*
- *Papyridea soleniformis*
- *Papyridea semisulcata*
- *Americardia media*

Mactridae
- *Mulinia lateralis*
- *Mactra fragilis*

Mesodesmatidae
- *Ervilia* sp.
- *Ervilia concentrica*

Tellinidae
- *Macoma* sp.
- *Macoma tenta*
- *Tellina* sp.
- *Tellina* cf. *agilis*
- *Tellina listeri*

MOLLUSCA (Continued)

- *Tellina probrina*
- *Tellina* cf. *tenella*
- *Tellina versicolor*
- *Tellina* cf. *versicolor*
- *Tellina sybaritica*
- *Tellina radiata*
- *Tellina angulosa*
- *Tellina* cf. *angulosa*
- *Tellina* cf. *mera*
- *Tellina martinicensis*
- *Tellina* cf. *americana*
- *Tellina gouldii*
- *Tellina aequistriata*
- *Tellina squamifera*
- *Tellina texana*
- *Tellina similis*
- *Tellina alternata*
- *Tellina tampaensis*
- *Tellina* cf. *bodegensis*
- *Tellidora* sp.
- *Tellidora cristata*
- *Strigilla* sp.

Semelidae

- *Semele* sp.
- *Semele bellastriata*
- *Semele* cf. *bellastriata*
- *Semele proficua*
- *Semele purpurascens*
- *Semele nuculoides*
- *Semele* cf. *nuculoides*
- *Abra* sp.
- *Abra aequalis*
- *Cumingia* sp.

Solecurtidae

- *Tagelus plebeius*

Veneracea

Veneridae

- *Transennella* sp.
- *Transennella* cf. *cubaniana*
- *Transennella conradina*
- *Cyclinella* sp.
- *Cyclinella tenuis*
- *Mercenaria campechiensis*
- Pitarinae
- *Pitar* sp.

MOLLUSCA (Continued)

- Pitar fulminatus
- Pitar simpsoni
- Pitar cordatus
- Macrocallista sp.
- Macrocallista maculata
- Callista eucymata
- Gouldia cerina
- Chione sp.
- Chione latilirata
- Chione cancellata
- Chione grus
- Chione mazycki
- Chione intapurpurea
- Periglypta sp.
- Periglypta listeri
- Ventricolaria rugatina
- Agriopoma texasiana
- Anomalocardia auberiana

Petricolidae
- Rupellaria typica

Cooperellidae
- Cooperella sp.
- Cooperella atlantica

Myoida

Myidae
- Sphenia fumida
- Dacrydium sp.

Corbulidae
- Paramya subovata
- Corbula sp.
- Corbula contracta
- Corbula dietziana
- Corbula krebsiana
- Varicorbula operculata

Gastrochaenidae
- Gastrochaena hians

Hiatellidae
- Hiatella arctica

Pholadidae

Pholadomyoida

Pandoridae
- Pandora sp.
- Pandora bushiana

MOLLUSCA (Continued)

- Lyonsiidae
  - *Lyonsia* sp.
  - *Lyonsia hyalina floridana*
  - *Lyonsia beana*
- Periplomatidae
  - *Periploma* sp.
- Thraciidae
  - *Asthenothaerus* sp.
  - *Asthenothaerus hemphilli*
  - *Bushia* sp.
  - *Bushia elegans*
- Poromyidae
  - *Poromya* sp.
  - *Poromya* cf. *microrhina*
  - *Poromya elongata*
  - *Poromya ?albida*
- Cuspidariidae
  - *Cardiomya* sp.
  - *Cardiomya costellata*
  - *Cardiomya perrostrata*
  - *Cuspidaria* sp.
  - *Myonera* sp.
- Verticordiidae
  - *Verticordia ornata*
  - *Verticordia acuticostata*

Hippuritoida

- Chamidae
  - *Arcinella* sp.
  - *Arcinella cornuta*
  - *Chama* sp.
  - *Chama congregata*
  - *Chama macerophylla*
  - *Chama ?lactuca*
  - *Pseudochama radians*
- Lasaeidae
  - *Allgena texasiana*

Scaphopoda

- Dentaliidae
  - *Dentalium* sp.
  - *Dentalium eboreum*
  - *Dentalium laqueatum*
  - *Dentalium* cf. *pilsbryi*
  - *Dentalium ceratum*
  - *Dentalium antillarum*
  - *Dentalium texasianum*
  - *Antalis* sp.

MOLLUSCA (Continued)

- *Antalis antillarum*
- *Graptacme eboreum*
- *Graptacme semistriolatum*
- *Laevidentalium* sp.
- *Laevidentalium didymum*
- *Laevidentalium* cf. *didymum*
- Dentaliidae cf. *Dentalium ceratum*

Siphonodentaliidae

- *Cadulus* sp.
- *Cadulus agassizi*
- *Cadulus mayori*
- *Cadulus* cf. *mayori*
- *Cadulus carolinensis*
- *Cadulus* cf. *carolinensis*
- *Cadulus quadridentatus*

Cephalopoda

Sepioidea

Sepiolidae

- *Rossia* sp.
- *Semirossia* sp.
- *Semirossia equalis*
- *Semirossia tenera*
- *Semirossia* ?*equalis*
- *Austrorossia*
- ?*Austrorossia* sp.
- ?*Semirossia* sp.

Teuthoidea

Loliginidae

- *Loligo* sp.
- *Loligo pealeii*
- *Loligo plei*

Octopoda

Octopodidae

- *Octopus* sp.
- *Octopus joubini*
- *Octopus vulgaris*
- *Octopus defilippi*
- *Octopus briareus*
- *Octopus* ?*defilippi*
- *Octopus* ?*vulgaris*

Cephalopoda eggs

ARTHOPODA

Arthropoda-Chelicerata-Arachnida
Acarina
Halacaridae
Hydrocarina sp.
Arthropoda-Pycnogonida
Pycnogonid sp. A
Pycnogonid sp. B
Pantopoda
Nymphonidae
Nymphon hirtipes
Ammotheidae
Achelia spinosa
Phoxichilidiidae
Phoxichilidium sp.
Anoplodactylus parvus
Anoplodactylus lentus
Anoplodactylus insignis
Anoplodactylus petiolatus
Callipallenidae
Pallenopsis schmitti
Arthropoda-Mandibulata-Crustacea
Crustacea-Branchiopoda
Diplostraca-Cladocera
Crustacea-Ostracoda
Ostracoda-Myodocopa
Skogsbergia sp.
Haplocytherida setipunctata
Paracypridina sp.
Cycloleberis americana
Skogsbergia lerneri
Actinoseta chelisparsa
Angulorostrum sp.
Pseudophilomedes sp.
Pseudophilomedes ferulanus
Pseudophilomedes polyancistris
Pseudophilomedes ambon
Pseudophilomedes zeta
Pseudophilomedes sp. 2
Philomedes sp.
Siphonostra sp.
Amboleberis americana
Asteropterygian oculitristis
Dantya sp.
Cypridinidae
Vargula sp.
Cypridininae sp.

ARTHROPODA (Continued)

- Cylindroleberididae
  - *Asteropella* sp.
  - *Parasterope pollex*
  - *Actinoseta monambon*
- Sarsiellidae
  - *Sarsiella* sp.
  - *Sarsiella disparalis*
  - *Sarsiella capillaris*
  - *Sarsiella* sp. 1
  - *Sarsiella* sp. 2
  - *Sarsiella* sp. 4
  - *Sarsiella* sp. 5
  - *Sarsiella* sp. 6
  - *Sarsiella* sp. 7
  - *Sarsiella* sp. 8
  - *Sarsiella* sp. 9
- Halocyprididae
  - *Euconchoecia* sp.
- Rutidermatidae
  - *Rutiderma* sp.
  - *Rutiderma mollitum*
  - *Rutiderma licinum*
  - *Rutiderma gyre*
  - *Rutiderma darbyi*
  - *Rutiderma* sp. 1
  - *Rutiderma* sp. 2
  - *Rutiderma* sp. 3
- Philomedidae
  - *Harbansus* sp.
  - *Harbansus paucichelatus*
  - *Harbansus* sp. 1
  - *Harbansus* sp. 2
  - *Harbansus* sp. 3

Ostracoda-Podocopa

- Bairdiidae
  - *Bairdoppilata cushmani*
  - *Neonesidea gerda*
  - *Protocytheretta pumicosa*
- Cytherideidae
  - *Pontocythere sulcata*
  - *Pontocythere sandersi*
  - *Paracytheridea tschoppi*
  - *Actinocytheris subquadrata*
- Pontocyprididae
  - *Pontocypris* sp.

ARTHROPODA (Continued)

- Polycopidae
  - *Polycope* sp.
  - *Triangulocyris laeva*
  - *Macrocyprina* n. sp.
  - *Paranesidea gigacantha*
  - *Echinocytherels margaritifera*
  - *Proteoconcha* sp.
  - *Puriana rugipunctata*
  - *Pterygocytherels miocenica*
  - *Pterygocytherels americana*
- Ostracoda-Platycopa
  - Cytherellidae
    - *Cytherella* sp. 1
    - *Cytherella* sp. 2
    - *Cytherella* sp. 3
    - *Cytherelloidea sarsi*
- Crustacea-Copepoda
- Crustacea-Cirripedia
- Cirripedia-Thoracica
- Cirripedia-Thoracica-Lepadomorpha
  - Scalpellidae
    - *Scalpellum* sp. A
    - *Diceroscalpellum arietinum*
- Cirripedia-Thoracica-Balanomorpha
  - Balanidae
    - *Balanus* sp.
    - *Balanus amphitrite*
    - *Balanus amphitrite niveus*
    - *Balanus venustus*
    - *Balanus trigonus*
  - Archaeobalanidae
    - *Acasta cyathus*
    - *Conopea galeatus*
    - *Conopea merrilli*
    - *Membranobalanus declivis*
- Crustacea-Malacostraca
- Malacostraca-Phyllocarida
  - Nebaliidae
    - *Nebalia* sp. A
    - *Paranebalia* sp. A
- Malacostraca-Peracarida
- Peracarida-Mysidacea
  - Lophogastridae
    - *Lophogaster americanus*
  - Mysidae
    - *Heteromysis* sp.

ARTHROPODA (Continued)

- Heteromysis sp. A
- Pseudomma sp. A
- Mysidopsis sp.
- Mysidopsis furca
- Mysidopsis cf. furca
- Mysidopsis mortenseni
- Erythrops parva
- Erythrops sp. A
- Bowmaniella sp.
- Bowmaniella mexicana
- Bowmaniella cf. mexicana
- Bowmaniella portoricensis
- Bowmaniella cf. johnsoni
- Bowmaniella sp. 1 (johnsoni type)
- Anchialina typica
- Heteromysiodes spongicola
- Amathimysis brattegardi
- Gastrosaccinae sp.

Peracarida-Cumacea

- Leuconidae
  - Leucon sp.
  - Leucon sp. A
  - Leucon sp. B
  - Eudorella sp. A
  - Eudorella sp. B
  - Heteroleucon heardi
- Diastylidae
  - Diastylis sp. A
  - Diastylis sp. B
  - Leptostylis sp. A
  - Oxyurostylis sp.
  - Oxyurostylis smithi
  - Oxyurostylis cf. smithi
  - Oxyurostylis sp. A
  - Oxyurostylis sp. C
  - Diastylidae sp. A
  - Diastylidae sp. B
  - Diastylidae sp. C
- Campylaspidae
  - Campylaspis sp.
  - Campylaspis sp. A
  - Campylaspis sp. B
  - Campylaspis sp. C
  - Campylaspis sp. D
  - Campylaspis sp. E

ARTHROPODA (Continued)

Campylaspis sp. F
Campylaspis sp. H
Campylaspis sp. I
Campylaspis sp. J
Campylaspis sp. K
Nannastacidae
Cumella sp.
Cumella tripunctata
Cumella sp. A
Cumella sp. B
Cumella sp. C
Cumella sp. D
Cumella sp. E
Cumella sp. F
Cumella sp. G
Cumella sp. H
Nannastacus sp. A
Nannastacus sp. B
Nannastacidae sp. A
Nannastacidae sp. C
Bodotriidae
Cyclaspis sp.
Cyclaspis unicornis
Cyclaspis cf. unicornis
Cyclaspis bacescui
Cyclaspis sp. A
Cyclaspis sp. B
Cyclaspis sp. C
Cyclaspis sp. D
Cyclaspis sp. E
Cyclaspis sp. F
Gigacuma sp.
Gigacuma sp. A
Gigacuma sp. B
Vaunthompsonia sp.
Vaunthompsonia sp. A
Gigacuma sp. B
Sympodomma sp.
Sympodomma sp. A
Sympodomma sp. B
Bodotriidae sp. A
Bodotriidae sp. B
Bodotriidae sp. C
Bodotriidae sp. E

ARTHROPODA (Continued)

- Peracarida-Tanaidacea
  - Paratanaidae
    - *Leptochelia* sp.
    - *Leptochelia* sp. A
    - *Leptochelia* sp. B
    - *Leptochelia* sp. C
    - *Leptochelia* cf. sp. A
    - *Leptognathia* sp. A
    - *Leptognathia* sp. B
    - *Pseudoleptochelia* sp. A
    - *Hargaria* cf. *rapax*
    - Paratanaidae sp. A
    - Paratanaidae sp. B
    - Paratanaidae sp. C
    - Paratanaidae sp. D
  - Kalliapseudidae
    - *Halmyrapseudes bahamensis*
    - *Kalliapseudes* sp. A
    - *Kalliapseudes* sp. C
  - Cirratodactylidae
    - *Cirratodactylus floridensis*
  - Apseudidae
    - *Apseudes* sp.
    - *Apseudes propinquus*
    - *Apseudes* sp. I
    - *Calozodion wadei*
    - *Apseudes* sp. A
    - *Apseudes* sp. B
    - Apseudidae sp. A
  - Pseudotanaidae
    - *Pseudotanais* sp. A
    - Pseudotanaidae sp. B
  - Nototanaidae
    - *Nototanais* sp. A
  - Sphyrapidae
    - *Sphyrapus* sp. A
  - Pagurapseudidae
    - *Pagurapseudes largoensis*
- Peracarida-Isopoda
  - Gnathiidae
    - *Gnathia* sp.
- Peracarida-Isopoda-Anthuridea
  - Anthuridae
    - *Ptilanthura tricarina*
    - *Apanthura magnifica*
    - *Apanthura* cf. *signata*

ARTHROPODA (Continued)

Paranthura cf. formosa
Horoloanthura irpex
Xenanthura brevitelson
Accalathura crenulata
Peracarida-Isopoda-Flabellifera
Cirolanidae
Cirolana sp.
Cirolana polita
Cirolana parva
Cirolana albida
Cirolana cf. albida
Eurydice sp.
Eurydice piperata
Eurydice littoralis
Sphaeromidae
Paracerceis caudata
Dynamenella sp.
Sphaeroma sp.
Serolidae
Serolis mgrayi
Cymothoidae
Cymothoa sp.
Aegidae
Aega antillensis
Rocinela signata
Excorallanidae
Excorallana sp.
Peracarida-Isopoda-Valvifera
Arcturidae
Astacilla sp.
Astacilla cf. lauffi
Idoteidae
Chirodotea sp.
Edotea sp.
Edotea montosa
Edotea cf. lyonsi
Peracarida-Isopoda-Asellota
Asellota sp.
Stenetriidae
Stenetrium stebbingi
Asellidae
Ianiropsis sp.
Munnidae
Munna sp.
Bopyridae

ARTHROPODA (Continued)

Peracarida-Amphipoda
Amphipoda sp. A
Amphipoda-Gammaridea
Acanthonotozomatidae
Panoploea sp. A
Acanthonotozomatidae sp. A
Acanthonotozomatidae sp. B
Ampeliscidae
Ampelisca sp.
Ampelisca n. sp. (nr. *cristoides*)
Ampelisca cf. *macrocephala*
Ampelisca agassizi
Ampelisca cf. *agassizi*
Ampelisca cristata
Ampelisca cf. *cristata*
Ampelisca cristata microdentata
Ampelisca holmesi
Ampelisca venetiensis
Ampelisca schellenbergi
Ampelisca bicarinata
Ampelisca sp. A
Ampelisca sp. B
Ampelisca sp. C
Ampelisca sp. D
Ampelisca sp. E
Ampelisca sp. F
Byblis sp. A
Amphilochidae
Amphilochus sp.
Amphilochus ?sp. B
Amphilochus sp. A
Amphilochus sp. B
Paracyproidea sp. A
Cyproideinae sp. A
Amphilochidae sp. A
Ampithoidae
Ampithoe sp.
Ampithoe sp. A
Cymadusa compta
Aoridae
Lembos sp.
Lembos smithi
Lembos cf. *kunkela*
Lembos cf. *unicornis*
Lembos cf. *unifasciatus reductus*
Lembos cf. *unifasciatus unifasciatus*

ARTHROPODA (Continued)

Lembos unifasciatus reductus
Lembos sp. A
Lembos sp. B
Microdeutopus sp.
Microdeutopus myersi
Microdeutopus cf. myersi
Microdeutopus sp. A
Acuminodeutopus naglei
Acuminodeutopus cf. naglei
Liocuma caeca
Rildardanus laminosa
Unciola serrata
Unciola cf. serrata
Grandidierella-like sp. A
Aoridae sp. A
Aoridae 1
Aoridae 2
Aoridae 3

Argissidae
Argissa sp.
Argissa hamatipes
Argissa cf. hamatipes

Atylidae
Atylus sp.

Bateidae
Batea sp.
Batea sp. A
Carinobatea sp.
Carinobatea sp. A
Carinobatea sp. B
Bateidae A cf. batea

Colomastigidae
Colomastix sp.
Colomastix sp. A

Corophiidae
Cerapus sp.
Cerapus cf. tubularis
Cerapus sp. A
Corophium sp.
Corophium tuberculatum
Corophium cf. tuberculatum
Corophium sp. A
Corophium sp. B
Ericthonius sp.
Ericthonius brasiliensis

ARTHROPODA (Continued)

- Erichthonius cf. brasiliensis
- Ericthonius sp. A
- Corophiidae sp. A
- Corophiidae sp. C

Gammaridae
- Gammaridae cf. eriopisa sp. A
- Gammaridae cf. eriopisa sp. B
- Jerbarnia sp.
- Jerbarnia sp. A
- Dulichiella appendiculata

Haustoriidae
- Acanthohaustorius sp. A
- Haustoriinae

Photidae
- Photis sp.
- Photis pugnator
- Photis cf. pugnator
- Photis melanicus
- Photis cf. melanicus
- Photis cf. macromanus
- Photis sp. A
- Photis sp. B
- Photis sp. E
- Grammaropsis sp.
- Podoceropsis sp. A
- Chevalia mexicana
- Photidae sp. B
- Photidae sp. C
- Photidae sp. E

Leucothoidae
- Leucothoe sp.
- Leucothoe sp. A

Liljeborgiidae
- Idunella sp.
- Idunella sp. A
- Idunella sp. B
- Listriella sp.
- Listriella barnardi
- Listriella cf. barnardi
- Listriella corinata
- Listriella sp. A
- Listriella sp. B
- Listriella sp. D
- Listriella sp. E
- Liljeborgiidae sp. B

ARTHROPODA (Continued)

- Lysianassidae
  - *Hippomedon* sp.
  - *Hippomedon* sp. A
  - *Lysianopsis* sp.
  - *Lysianopsis alba*
  - *Lysianopsis* cf. *alba*
  - *Lysianopsis* sp. A
  - Lysianassidae sp. A
  - Lysianassidae sp. B
- Ochlesidae
  - *Curidia debrogania*
- Oedicerotidae
  - *Monoculodes* sp.
  - *Monoculodes nyei*
  - *Monoculodes* cf. *nyei*
  - *Synchelidium* sp.
  - *Synchelidium americanum*
  - *Synchelidium* cf. *americanum*
  - *Westwoodilla* sp.
  - *Westwoodilla* sp. A
  - *Oediceros* sp.
  - *Oediceros* sp. A
  - Oedicerotidae sp. B
  - Oedicerotidae sp. C
- Pardaliscidae
  - Pardaliscidae sp. A
  - Pardaliscidae 1
- Phoxocephalidae
  - *Harpinia* sp.
  - *Harpinia* sp. A
  - *Harpinia* sp. B
  - *Heterophoxus* sp.
  - *Heterophoxus* sp. A
  - *Eudevenopus honduranus*
  - *Rhepoxymius* sp.
  - *Rhepoxymius epistomus*
  - *Rhepoxymius* cf. *epistomus*
  - *Metharpinia floridana*
  - Phoxocephalidae 1
  - Phoxocephalidae sp. A
- Pleustidae
  - Pleustidae sp. A
- Podoceridae
  - *Dulichia* sp. A

ARTHROPODA (Continued)

- *Podoceros* sp. A
- Podoceridae sp. B

Sebidae
- *Seba* sp. A

Stenotholdae
- *Parametopella* sp. A
- *Parametopella* sp. B
- *Stenothoe* sp.
- *Stenothoe gallensis*
- *Stenothoe* sp. A
- *Stenothoe* sp. B
- *Stenothoe* sp. C
- *Metaprotella* cf. *hummelinckl*
- *Metaprotella* sp. A
- Stenotholdae sp. A

Synopllidae
- *Garosyrrhoe* sp.
- *Garosyrrhoe* sp. A
- *Synopla ultramarina*
- Synopllidae sp. A
- Synopllidae sp. B
- Synopllidae sp. C
- Synopllidae sp. D

Melitidae
- *Ceradocus* sp.
- *Ceradocus* sp. A
- *Elasmopus* sp.
- *Elasmopus rapax*
- *Elasmopus* cf. *rapax*
- *Elasmopus procellinanus*
- *Elasmopus* cf. *levis*
- *Elasmopus* sp. A
- *Elasmopus* sp. B
- *Maera* sp.
- *Maera* cf. *carolinlana*
- *Maera* cf. *wllllamsl*
- *Maera* sp. A
- *Maera* sp. B
- *Melita* sp.
- *Melita appendiculata*
- *Melita* sp. A
- *Melita* sp. C
- *Melita* sp. D
- *Melita* cf. sp. A
- *Megaluropus* sp.

ARTHROPODA (Continued)

- *Megaluropus* sp. A
- *Netamellita* cf. *barnardi*
- ?*Melita* sp. I
- Melitidae sp. A
- Melitidae sp. C
- Melitidae sp. D

Tironidae
- *Tiron* sp.
- *Tiron tropakis*
- *Tiron triocellatus*
- *Tiron* sp. A

Nuuanidae
- *Tobatzius copillius*

Platyischnopidae

Corophiodea sp.

Corophiodea sp. A

Corophiodea sp. B

Corophiodea sp. C

Amphipoda-Hyperiidea

Hyperiidae
- *Lestrigonus bengalensis*
- *Lestrigonus* cf. *bengalensis*

Phrosinidae
- *Anchylomera brassevilli*

Amphipoda-Caprellidea

Caprellidae
- *Caprella* sp.
- *Phtisica marina*
- *Phtisica* cf. *marina*
- *Luconacia incerta*
- *Falliotritella* sp. A
- Caprellidae sp. A

Malacostraca-Eucarida

Eucarida-Decapoda

Decapoda-Dendrobranchiata

Dendrobranchiata-Penaeidea

Penaeidae
- *Penaeus aztecus*
- *Penaeus duorarum*
- *Trachypenaeus* sp.
- *Trachypenaeus constrictus*
- *Trachypenaeus similis*
- *Metapenaeopsis* sp.
- *Metapenaeopsis goodei*

ARTHROPODA (Continued)

Metapenaeopsis gerardoi
Parapenaeus longirostris
Lucifer faxoni
Sicyoniidae
Sicyonia sp.
Sicyonia brevirostris
Sicyonia cf. brevirostris
Sicyonia laevigatus
Sicyonia typica
Sicyonia cf. typica
Sicyonia dorsalis
Sicyonia stimpsoni
Sicyonia burkenroadi
Sicyonia parri
Solenoceridae
Solenocera sp.
Solenocera atlantidis
Solenocera cf. atlantidis
Mesopenaeus tropicalis
Decapoda-Pleocyemata
Pleocyemata-Caridea
Pasiphaeidae
Leptochela sp.
Leptochela serratorbita
Leptochela papulata
Leptochela cf. papulata
Leptochela carinata
Leptochela bermudensis
Leptochela cf. bermudensis
Palaemonidae
Anchistioides antiguensis
Periclimenes sp.
Periclimenes americanus
Periclimenes cf. americanus
Periclimenes harringtoni
Periclimenes cf. harringtoni
Periclimenes longicaudatus
Periclimenes pedersoni
Periclimenes cf. pedersoni
Periclimenes iridescens
Periclimenes cf. iridescens
Periclimenes perryae
Periclimenaeus caraibicus
Periclimenaeus schmitti
Periclimenaeus periatus

ARTHROPODA (Continued)

Periclimenaeus bredini
Periclimenaeus wilsoni
Periclimenaeus cf. *wilsoni*
Periclimenaeus sp. A
Leander tenuicornis
Neopontonides beaufortensis
?*Anchistioides antiguensis*
?*Neopontonides beaufortensis*

Alpheidae
Alpheus sp.
Alpheus normanni
Alpheus cf. *normanni*
Alpheus armatus
Alpheus armillatus
Alpheus floridanus
Alpheus cf. *floridanus*
Alpheus cf. *amblyonyx*
Alpheus formosus
Alpheus sp. A
Alpheus sp. B
Synalpheus sp.
Synalpheus bousfieldi
Synalpheus cf. *bousfieldi*
Synalpheus goodei
Synalpheus herricki
Synalpheus longicarpus
Synalpheus minus
Synalpheus cf. *minus*
Synalpheus pandionis
Synalpheus townsendi
Synalpheus cf. *townsendi*
Synalpheus brooksi
Synalpheus hemphilli
Synalpheus cf. *disparodigitus*
Synalpheus cf. *mcclendoni*
Synalpheus cf. *fritzmulleri*
Synalpheus cf. *paraneptunus*
Synalpheus ?*tanneri*
Synalpheus sp. A
Automate sp.
Automate evermanni
Automate cf. *evermanni*
Salmeus sp. A
Alpheidae 1

Ogyrididae
Ogyrides alphaerostris

ARTHROPODA (Continued)

- Hippolytidae
  - Hippolyte zostericola
  - Hippolyte cf. zostericola
  - Latreutes fucorum
  - Latreutes cf. fucorum
  - Latreutes parvulus
  - Lysmata rathbunae
  - Thor sp.
  - Thor floridanus
  - Thor dobkini
  - Thor manningi
  - Thor cf. manningi
  - Tozeuma sp.
  - Tozeuma serratum
  - Tozeuma carolinense
  - Trachycaris restrictus
  - Trachycaris cf. restrictus
  - Merhippolyte americanus
  - Merhippolyte cf. americanus
- Processidae
  - Nikoides schmitti
  - Processa spp.
  - Processa bermudensis
  - Processa cf. bermudensis
  - Processa tenuipes
  - Processa cf. tenuipes
  - Processa vicina
  - Processa cf. vicina
  - Processa hemphilli
  - Processa cf. hemphilli
  - Processa sp. A
  - ?Processa sp.
- Pandalidae
  - Pantomus parvulus
  - Parapandalus cf. longicauda
  - Parapandalus cf. narval
- Crangonidae
  - Pontophilis gorei

Pleocyemata-stenopodidea

- Stenopodidae
  - Stenopus sp.
  - Stenopus scutellatus
  - Stenopus cf. scutellatus
  - Stenopus hispidus

ARTHROPODA (Continued)

Pleocyemata-Palinura
Palinuridae
Scyllaridae
Scyllarus sp.
Scyllarus depressus
Scyllarus americanus
Scyllarus chacei
Scyllarus faxoni
Scyllarus sp. *a.*
Scyllarides nodifer
Scyllarides aequinoctialis
Pleocyemata-Anomura
Axiidae
Calocaris sp. A
Axiopsis sp. A
Axiopsis sp. B
Axiopsis sp. C
Coralaxius abelei
Axiidae sp. A
Callianassidae
Upogebia sp.
Upogebia affinis
Upogebia sp. A
Upogebia sp. B
Callianassa sp.
Callianassa marginata
Callianassa cf. *marginata*
Callianassa fragilis
Callianassa cf. *fragilis*
Callianassa cf. *latispina*
Callianassa sp. A
Callianassa sp. B
Callianassa sp. C
Callianassa sp. D
Callianassa sp. E
Callianassa sp. F
Paguridae
Pagurinae
Pagurus sp.
Pagurus bullisi
Pagurus cf. *bullisi*
Pagurus brevidactylus
Pagurus stimpsoni
Pagurus carolinensis
Pagurus impressus
Pagurus maclaughlinae

ARTHROPODA (Continued)

Pagurus cf. gymnodactylus
Pagurus criniticornis
Pagurus sp. A
Pagurus sp. B
Iridopagurus sp.
Iridopagurus caribbensis
Iridopagurus cf. n. sp. C
Manucomplanus corallinus
Phimochirus sp.
Phimochirus holthuisi
Phimochirus randalli
Agaricochirus sp.
Agaricochirus boletifer
Pylopagurus discoidalis
Solenopagurus lineatus
Anisopagurus sp.
Anisopagurus bartletti
Anisopagurus sp. A
Rhodochirus rosaceus
Paguridae sp. A
Paguridae sp. B
Paguridae sp. I

Galatheidae
Munida sp.
Munida angulata
Munida cf. angulata
Munida pusilla
Munida simplex
Munida cf. simplex
Munida irrasa
Munida cf. irrasa
Munida spinifrons
Munida cf. nuda
Munidopsis sp. A
Galathea rostrata
Uroptychus armatus

Porcellanidae
Petrolisthes galathinus
Pachycheles sp.
Pachycheles ruglmanus
Pachycheles acklelanus
Porcellana sigsbeiana
Porcellana sayana
Porcellana sp. A
Neoplsosoma sp.

ARTHROPODA (Continued)

- *Neopisosoma angustifrons*
- *Parapetrolisthes tortugensis*
- *Megalobrachium soriatum*

Albuneidae

- *Albunea* sp.
- *Albunea gibbesi*
- *Albunea paretii*
- *Zygopa michaelis*

Diogenidae

- *Dardanus* sp.
- *Dardanus fucosus*
- *Dardanus insignis*
- *Dardanus venosus*
- *Dardanus* cf. *venosus*
- *Paguristes* sp.
- *Paguristes cadenati*
- *Paguristes hernancortezi*
- *Paguristes hummi*
- *Paguristes punticeps*
- *Paguristes* cf. *puncticeps*
- *Paguristes sericeus*
- *Paguristes tortugae*
- *Paguristes triangulatus*
- *Paguristes rectifrons*
- *Paguristes spinipes*
- *Paguristes* cf. *moorei*
- *Paguristes* nr. *lymani*
- *Paguristes* cf. *paraguanensis*
- *Paguristes* sp. A
- *Paguristes* sp. B
- *Cancellus ornatus*
- *Cancellus viridis*
- *Petrochirus* sp.
- *Petrochirus diogenes*
- Diogenidae sp. 2
- Diogenidae sp. A

Pleocyemata-Brachyura

Brachyura sp. (juvenile)

- Brachyura sp. A
- Brachyura sp. D

Brachyura-Dromiacea

Dromiidae

- *Dromidia* sp.
- *Dromidia antillensis*
- *Hypoconcha* sp.
- *Hypoconcha sabulosa*

ARTHROPODA (Continued)

- *Hypoconcha spinosissima*
- *Hypoconcha arcuata*
- *Dromia erythropus*

Homolidae
- *Homola* sp.
- *Homola barbata*

Brachyura-Oxystomata

Dorippidae
- *Ethusa* sp.
- *Ethusa mascarone*
- *Ethusa mascarone americana*
- *Ethusa tenuipes*
- *Ethusa microphthalma*
- *Clythrocerus* sp.
- *Clythrocerus perpusillus*
- *Clythrocerus stimpsoni*
- *Clythrocerus* cf. *stimpsoni*
- *Clythrocerus granulatus*
- *Cyclodorippe* sp. A

Calappidae
- *Calappa* sp.
- *Calappa flammea*
- *Calappa angusta*
- *Calappa gallus*
- *Calappa sulcata*
- *Calappa* cf. *ocellata*
- *Hepatus* sp.
- *Hepatus epheliticus*
- *Hepatus pudibundus*
- *Cycloes bairdi*
- *Osachila antillensis*
- *Osachila semilevis*
- *Osachila tuberosa*
- *Acanthocarpus alexandri*

Leucosiidae
- *Persephona* sp.
- *Persephona aquilonaris*
- *Persephona subaovata*
- *Myropsis quinquespinosa*
- *Calllidactylus asper*
- *Lithadia granulosa*
- *Lithadia cadaverosa*
- *Iliacantha* sp.
- *Iliacantha intermedia*
- *Iliacantha sparsa*

ARTHROPODA (Continued)

Iliacantha subglobosa
Speloeophorus pontifer
Speloeophorus nodosus
Eballa sp.
Eballa stimpsoni
Eballa cf. stimpsoni
Eballa carlosa
Uhlias limbatus
Randalia sp.
Raninidae
Ranilia sp.
Ranilia muricata
Ranilia constricta
Ranilia cf. constricta
Raninoides sp.
Raninoides loevis
Raninoides louisianensis
Symethis variolosa
Brachyura-Oxyrhyncha
Majidae
Collodes trispinosus
Euprognatha sp.
Euprognatha rastellifera
Euprognatha cf. rastellifera
Euprognatha rastellifera marthae
Euprognatha gracilipes
Heterocrypta granulata
Pelia mutico
Rochinia crassa
Arachnopsis filipes
Aepinus septemspinosus
Macrocoeloma sp.
Macrocoeloma camptocerum
Macrocoeloma eutheca
Macrocoeloma septemspinosum
Macrocoeloma trispinosum
Macrocoeloma cf. trispinosum
Macrocoeloma trispinosum nodipes
Metoporhaphis calcarata
Microphrys sp.
Microphrys antillensis
Microphrys bicornatus
Mithrax sp.
Mithrax (Mithrax) acuticornis
Mithrax (Mithrax) hispidus

ARTHROPODA (Continued)

Mithrax (Mithrax) pleuracanthus
Mithrax (Mithraculus) forceps
Pitho sp.
Pitho lherminieri
Pitho anisodon
Podochela sp.
Podochela gracilipes
Podochela cf. gracilipes
Podochela lamelligera
Podochela riisei
Podochela sidneyi
Podochela curvirostris
Stenocionops sp.
Stenocionops furcata
Stenocionops furcata furcata
Stenocionops furcata coelata
Stenocionops spinimana
Stenocionops spinosissima
Stenorhynchus sp.
Stenorhynchus seticornis
Stenorhynchus furcata
Stenorhynchus sp. A
Tyche emarginata
Batrachonotus fragosus
Stilbognathus burryi
Anasimus latus
Coelocerus spinosus
Inachoides forceps
Nibilia antillocapra
Mocosoa crebripunctata
Anomalothir furcillatus
Pyromaia cuspidata
Pyromaia cf. cuspidata
Sphenocarcinus corrosus
Hemus cristulipes

Parthenopidae

Parthenope sp.
Parthenope pourtalesi
Parthenope agona
Parthenope fraterculus
Parthenope granulata
Parthenope serrata
Mesorhoea sexspinosa
Cryptopodia concava

ARTHROPODA (Continued)

Solenolambrus sp.
Solenolambrus tenellus
Brachyura-Brachyrhyncha
Portunidae
Callinectes sp.
Cronius ruber
Portunus sp.
Portunus gibbesi
Portunus cf. gibbesii
Portunus spinicarpus
Portunus spinimanus
Portunus depressifrons
Portunus ordwayi
Portunus floridanus
Portunus vocans
Portunus sp. A
Xanthidae
Eurypanopeus sp. A
Panopeus sp.
Panopeus cf. occidentalis
Panopeus sp. A
Carpoporus papulosus
Lobopilumnus agassizi
Micropanope sp.
Micropanope laevimanus
Micropanope sculptipes
Micropanope pusilla
Micropanope cf. lobifrons
Micropanope sp. A
Micropanope sp. B
Melybia thalamita
Pilumnus sp.
Pilumnus dasypodus
Pilumnus floridanus
Pilumnus sayi
Pilumnus pannosus
Pilumnus lacteus
Pilumnus sp. A
Platyactaea sp. A
Pseudomedaeus agassizi
Pseudomedaeus distinctus
Paractaea rufopunctata
Paractaea rufopunctata nodosa
Glyptoxanthus erosus
Nanoplax xanthiformis
Panope cf. turgidus

ARTHROPODA (Continued)

- *Menippe mercenaria*
- Xanthidae sp. A
- Goneplacidae
  - *Euryplax nitida*
  - *Panoplax depressa*
  - *Trapezioplax tridentata*
  - *Speocarcinus* sp.
  - *Speocarcinus lobatus*
  - *Speocarcinus* cf. *carolinensis*
  - *Frevillea barbata*
  - *Frevillea hirsuta*
  - *Glyptoplax smithii*
  - Goneplacidae sp. A
- Pinnotheridae
  - *Dissodactylus* sp.
  - *Dissodactylus* cf. *crinitichelis*
  - *Dissodactylus calmani*
  - *Dissodactylus* sp. A
  - *Pinnixa* sp.
  - *Pinnixa* cf. *pearsei*
  - *Pinnixa* sp. A
  - *Pinnixa* sp. B
  - *Pinnixa* sp. C
  - *Parapinnixa hendersoni*
- Grapsidae
  - *Euchirograpsus americanus*
- Pilumnidae
  - *Pilumnus* sp.
  - *Pilumnus affinis*
  - *Pilumnus alternatus*
  - *Pilumnus faxoni*
  - *Pilumnus* cf. *floridanus*
  - *Pilumnus dentatus*
  - *Pilumnus cristatipes*
  - *Pilumnus* cf. *cristatipes*
  - *Pilumnus sica*
  - *Pilumnus* cf. *obesa*
  - *Pilumnus* sp. A

Malacostraca-Hoplocarida

Hoplocarida-Stomatopoda

- Squillidae
  - *Squilla* sp.
  - *Squilla empusa*
  - *Squilla deceptrix*
  - *Squilla* cf. *deceptrix*
  - *Squilla grenadensis*

ARTHROPODA (Continued)

- *Squilla rugosa*
- *Squilla chydaea*
- *Squilla* sp. A
- *Meiosquilla quadridens*
- *Meiosquilla schmitti*
- *Meiosquilla* cf. *schmitti*

Lysiosquillidae

Eurysquillidae

- *Eurysquilla plumata*

Gonodactylidae

- *Gonodactylus* sp.
- *Gonodactylus bredini*
- *Gonodactylus torus*
- *Gonodactylus* ?*bredini*
- *Pseudosquilla ciliata*

Pseudosquillidae

- *Parasquilla* sp.
- *Parasquilla coccinea*

Nannosquillidae

- *Platysquilloides horologii*

POGONOPHORA

SIPUNCULA

Sipunculidae

- *Sipunculus* sp.
- *Sipunculus nudis*
- *Siphonosoma* sp.

Golfingiidae

- *Golfingia* sp.
- *Phascolion* sp.
- *Phascolion strombi*

Aspidosiphonidae

- *Aspidosiphon* sp.
- *Paraspidosiphon* sp.

ECHIURA

Echiuridae

PRIAPULIDA

Priapulidae

- *Tubiluchus corallicola*

PHORONIDA

Phoronidae
Phoronis sp.
Phoronis architecta

ECTOPROCTA

Ectoprocta-Gymnolaemata
Gymnolaemata-Ctenostomata
Vesiculariidae
Amathia convoluta
Amathia distans
Amathia cf. *distans*
Zoobotryon verticillatum
Gymnolaemata-Cheilostomata
Aeteidae
Aetea anguina
Aetea sica
Aetea truncata
Membraniporidae
Membranipora tuberculata
Membranipora savarti
Hincksinidae
Aplousina filum
Antropora tincta
cf. *Antropora tincta*
Calloporidae
Parellisina latirostris
Mollia potellaria
Retevirgula tubulata
Arachnopusiidae
Exechonella antillea
Onychocellidae
Smittipora levinseni
Calpensiidae
Discoporella umbellata
cf. *Discoporella umbellata*
Steganoporellidae
Steganoporella magnilabris
Labioporella granulosa
Thalamoporellidae
Thalamoporella gothica
Cellaridae
Cellaria sp.
Cellaria irregularis

ECTOPROCTA (Continued)

Farciminariidae
- Nellia oculata

Bugulidae
- Bugula sp.
- Bugula turrita
- Bugula neritina
- Bugula cf. fulva
- Caulibugula sp.
- Caulibugula levinseni
- Caulibugula cf. levinseni
- Caulibugula armata

Beaniidae
- Beania mirabilis

Scrupocellariidae
- Scrupocellaria sp.
- Scrupocellaria regularis
- Scrupocellaria harmeri
- Scrupocellaria cf. harmeri
- Caberea boryi

Cribrilinidae
- Colletosia radiata

Cupuladriidae
- Cupuladria biporosa
- Cupuladria doma

Petraliidae
- Hippopetrallella bisinuata
- Hippopetrallella marginata

Stomachetosellidae
- Cigclisula sp.
- Cigclisula cf. turrita
- Cigclisula pertusa

Schizoporellidae
- Schizoporella unicornis
- Stylopoma spongites
- Escharina pesanseris

Hippoporinidae
- Stephanosella biaperta
- Hippoporidra edax
- Gemellipora sp.
- Gemellipora glabra
- Gemellipora cf. glabra
- Cleidochasma contractum
- Cleidochasma porcellanum
- Hippoporina americana
- Lacerna signata

ECTOPROCTA (Continued)

- Microporellidae
  - *Microporella* sp.
  - *Microporella ciliata*
- Reteporidae
  - *Rhynchozoon* sp.
  - *Rhynchozoon spicatum*
  - *Rhynchozoon verruculatum*
  - *Rhynchozoon* sp. A
  - *Sertella marsupiata*
  - *Reteporellina evelinae*
- Adeonidae
  - *Bracebridgia subsulcata*
  - *Reptadeonella violacea*
- Cheiloporinidae
  - *Tetraplaria dichotoma*
  - *Hippaliosina rostrigera*
- Phylactellidae
  - *Lagenipora marginata*
- Crepidacanthidae
  - *Mastigophora porosa*
  - *Crepidacantha setigera*
- Celleporidae
  - *Buskea dichotoma*
- Catenicellidae
  - *Vittaticella elegans*
- Mamilloporidae
  - *Mamillopora cupula*
- Celleporariidae
  - *Celleporaria* sp.
  - *Celleporaria albirostris*
  - *Celleporaria magnifica*
  - *Celleporaria tubulosa*
  - *Celleporaria mordax*
- Smittinidae
  - *Parasmittina* sp.
  - *Parasmittina trispinosa*
  - *Parasmittina spathulata*
  - *Parasmittina* cf. *spathulata*
  - *Parasmittina nitida*
  - *Parasmittina crosslandi*
  - *Smittina* sp.
- Arachnopodiidae
  - *Tremogasterina mucronata*
  - *Tremogasterina lanceolata*
  - *Triporula stellata*

ECTOPROCTA (Continued)

- Opesiulidae
  - *Selenaria* sp.
- Hippopodinidae
  - *Hippopodina bernardi*
  - *Hippopodina irregularis*

Ectoprocta-Stenolaemata

Stenolaemata-Cyclostomata

- Tuburiporidae
  - *Idmidronea atlantica*
  - *Idmidronea flexuosa*
- Mecynoeciidae
  - *Entalophora* sp.
  - *Entalophora proboscideoides*
- Crisiidae
  - *Crisia eburnea*
  - *Crisia elongata*
  - *Crisulipora orientalis*
- Diaperoeciidae
  - *Diaperoecia floridana*

BRACHIOPODA

Inarticulata

Inarticulata-Lingulida

- Lingulidae
  - *Glottidia pyramidata*

Articulata

Articulata-Rhynchonellida

- Terebratulidae
  - *Tichosina floridensis*
- Cancellothyrididae
  - *Terebratulina caillieti*
- Megathyrididae
  - *Argyrotheca lutea*
  - *Argyrotheca barrettiana*
- Platidiidae
  - *Platidia clepsydra*

Articulata-Terebratulida

ECHINODERMATA

Stelleroidea
Asteriodea
Asteroidea-Platyasterida
Luidiidae
Luidia sp.
Luidia clathrata
Luidia alternata
Luidia sagamina
Luidia barbadensis
Asteroidea-Paxillosida
Astropectinidae
Astropecten sp.
Astropecten americanus
Astropecten duplicatus
Astropecten articulatus
Astropecten comptus
Astropecten nitidus
Tethyaster grandis
Benthopectinidae
Pectinaster mixtus
Asteroidea-Valvatida
Odontasteridae
Odontaster sp.
Chaetasteridae
Chaetaster nodosus
Goniasteridae
Ceramaster grenadensis
Goniaster tessellatus
Tosia sp.
Tosia parva
Athenoides piercei
Rosaster sp.
Rosaster alexandri
Oreasteridae
Oreaster sp.
Oreaster reticulatus
Ophidiasteridae
Narcissia trigonaria
Ophidiaster guildingii
Linckia bouvierri
Asteroidea-Spinulosida
Pterasteridae
Pteraster rugosus
Asterinidae
Asterina folium
Asterinopsis pliosa

ECHINODERMATA (Continued)

- Poraniidae
  - *Poraniella regularis*
  - *Marginaster pectinatus*
- Echinasteridae
  - *Henricia antillarum*
  - *Henricia sexradiata*
  - *Echinaster* sp.
  - *Echinaster modestus*
  - *Echinaster spinulosus*
  - *Echinaster sentus*
  - *Echinaster* sp. A
  - *Echinaster* sp. B
- Solasteridae
  - *Solaster caribbaeus*
  - *Solaster notophrynus*

Asteroidea-Forcipulatida

- Asteriidae
  - *Sclerasterias contorta*
  - *Stephanasterias* sp.

Ophiuroidea

Ophiuroidea-Phrynophiurida

- Ophiomyxidae
  - *Ophiomyxa* sp.
  - *Ophiomyxa flaccida*
  - *Ophiosyzygus* sp.
- Asteroschematidae
  - *Asteroschema* sp.
  - *Asteroschema* sp. A
  - *Asteroschema* sp. B
- Gorgonocephalidae
  - *Asteroporpa annulata*
  - *Asterocyclus caecilia*
  - *Astrophyton muricatum*

Ophiuroidea-Ophiurida

- Ophiuridae
  - *Ophiura* sp.
  - *Ophiomusium* sp. A
  - *Ophiomusium* sp. B
  - *Ophiolepis elegans*
  - *Ophiolepis* sp. A
  - *Ophiolepis* sp. B
  - *Ophiozona* (sensu lato) n. sp.
- Ophiocomidae
  - *Ophiocoma pumila*
  - *Ophiocoma wendti*
  - *Ophiopsila* sp.

ECHINODERMATA (Continued)

Ophiopsila riisei
Ophiopsila hartmeyeri
Ophionereidldae
Ophionereis reticulata
Ophionereis olivacea
Ophioplax sp. A
Ophioplax sp. B
Ophiodermatidae
Ophioderma sp.
Ophioderma brevispinum
Ophioderma brevicaudum
Ophioderma rubicundum
Ophioderma appressum
Ophioderma cinereum
Ophioderma phoenium
Ophioderma sp. 1
Ophioderma sp. 2
Ophiopaepale goesiana
Ophiacanthidae
Ophiacantha littoralis
Ophiacanthella troschelI
Ophiolimna sp.
Ophiomyces sp.
Hemieuryalidae
Ophiochondrus sp.
Ophiochondrus ?gracilis
Ophiactidae
Ophiactis sp.
Ophiactis savignyi
Ophiactis muelleri
Ophiactis algicola
Ophiactis sp. A
Ophiactis sp. B
Amphiuridae
Amphiodia trychna
Amphiodia pulchella
Amphipholis pachybactera
Ophiophragmus sp.
Ophiophragmus pulcher
Amphiopius sp.
Amphiopius abditus
Amphiopius contortodes
Amphiopius thrombodes
Amphiura sundevalli
Amphiura fibulata
Axiognathus sp.

ECHINODERMATA (Continued)

- *Axiognathus squamata*
- *Ophiostigma isocantha*
- *Microphiolis gracillima*
- *Ophionephtys limicola*
- *Ophionema intricata*
- ?*Ophiophragmus* sp.

Ophiothricidae

- *Ophiothrix angulata*
- *Ophiothrix suensonii*
- *Ophiothrix lineata*

Echinoidea

Echinoidea-Cidaroida

Cidaridae

- *Eucidaris* sp.
- *Eucidaris tribuloides*
- *Eucidaris tribuloides tribuloides*
- *Stylocidaris* sp.
- *Stylocidaris affinis*
- *Stylocidaris lineata*

Echinoidea-Diadematoida

Diadematidae

- *Centrostephanus longispinus rubricinguius*
- *Diadema antillarum*
- *Astropyga magnifica*

Echinoidea-Saenioida

Saeniidae

- *Saenia goesiana*

Echinoidea-Arbacioida

Arbaciidae

- *Arbacia* sp.
- *Arbacia punctulata*
- *Coelopleurus floridanus*

Echinoidea-Temnopleuroida

Temnopleuridae

- *Genocidaris maculata*
- *Genocidaris affinis*

Toxopneustidae

- *Lytechinus* sp.
- *Lytechinus euerces*
- *Lytechinus variegatus*
- *Lytechinus variegatus carolinus*
- *Lytechinus variegatus variegatus*
- *Lytechinus williamsi*

ECHINODERMATA (Continued)

- Echinoidea-Holectypoida
  - Echinoneidae
    - *Echinoneus cyclostomus*
- Echinoidea-Clypeasteroida
  - Clypeasteridae
    - *Clypeaster* sp.
    - *Clypeaster lutkeni*
    - *Clypeaster cycloplius*
    - *Clypeaster subdepressus*
    - *Clypeaster ravenelli*
    - *Clypeaster chesheri*
    - *Clypeaster prostratus*
    - *Clypeaster euclastus*
    - *Clypeaster rosaceus*
  - Mellitidae
    - *Encope* sp.
    - *Encope aberrans*
    - *Encope michelini*
- Echinoidea-Cassiduloida
  - Echinolampadidae
    - *Echinolampas depressa*
    - *Conolampus sigsbei*
- Echinoidea-Spatangoida
  - Schizasteridae
    - *Moira atropos*
  - Brissidae
    - *Meoma ventricosa*
  - Loveniidae
    - *Echinocardium* sp.
  - Spatangidae
- Holothuroidea
- Holothuroidea-Dendrochirotida
  - Psolidae
    - *Psolus tuberculosus*
  - Phyllophoridae
    - *Pentamera pulcherrima*
    - *Thyone pawsoni*
  - Sclerodactylidae
    - *Pseudothyone belli*
  - Cucumariidae
    - *Sphaerothuria* sp.
    - *Thyonella pervicax*
    - *Thyonella sabaniliaensis*
    - *Pseudocolochirus mysticus*
    - *Ocnus pygmaeus*

ECHINODERMATA (Continued)

- Holothuroidea-Aspidochirotida
  - Holothuriidae
    - *Holothuria princeps*
    - *Holothuria surinamensis*
    - *Holothuria (Vaneyothuria) lentiginosa enodis*
    - *Holothuria occidentalis*
    - *Holothuria (Cystipus) cubana*
  - Stichopodidae
    - *Astichopus multifidus*
    - *Isostichopus badionotus*
- Crinoidea
- Crinoidea-Comatulida
  - Comasteridae
    - *Nemaster discoidea*
    - *Comactinia meridionalis*
    - *Comactinia echinoptera*
    - *Leptonemaster venustus*
    - *Neocomatella pulchella*
  - Colobometridae
    - *Analcidometra armata*
  - Thalassometridae
    - *Stylometra spinifera*
  - Charitometridae
    - *Crinometra brevipinna*
  - Antedonidae
    - *Hypalometra defecta*

HEMICHORDATA
Enteropneusta
Pterobranchia
- Pterobranchia-Rhabdopleurida
  - Rhabdopleuridae
    - *Rhabdopleura compacta*

CHAETOGNATHA

CHORDATA-UROCHORDATA
Ascidiacea
- Ascidiacea-Enterogona
- Ascidiacea-Aplousobranchia
  - Clavelinidae
    - *Cystodytes dellechiajei*
    - *Cystodytes* sp. 1
    - *Clavelina* sp.

CHORDATA-UROCHORDATA (Continued)

- *Clavelina gigantea*
- *Clavelina picta*
- *Clavelina* sp. 1
- *Clavelina* sp. 2
- *Clavelina* sp. 3
- *Distaplia bermudensis*
- *Distaplia stylifera*
- *Eudistoma* sp.
- *Eudistoma capsulatum*
- *Eudistoma tarponense*
- *Eudistoma hepaticum*
- *Eudistoma* sp. 1
- *Eudistoma* sp. 2
- *Eudistoma* sp. 3

Polyclinidae

- *Amarouclum* sp.
- *Polyclinum constellatum*
- *Sigillinaria* sp.
- *Aplidium* sp.
- *Aplidium pellucidum*
- *Aplidium bermudae*
- *Aplidium exile*
- *Aplidium constellatum*
- *Aplidium lobatum*
- *Aplidium* sp. 1
- *Aplidium* sp. 2
- *Aplidium* sp. 3

Didemnidae

- *Didemnum* sp.
- *Didemnum candidum*
- *Didemnum candidum fusiferum*
- *Didemnum amethysteum*
- *Trididemnum* sp.
- *Trididemnum orbiculatum*
- *Trididemnum savignii*
- *Trididemnum* sp. 1
- *Trididemnum* sp. 2
- *Trididemnum* sp. 3
- *Diplosoma macdonaldi*
- *Echinoclinum verrilli*

Ascidiacea-Phlebobranchiata

Ascidiidae

- *Ascidia* sp.
- *Ascidia interrupta*

CHORDATA-UROCHORDATA (Continued)

- Diazonidae
  - *Rhopalaea abdominalis*
- Rhodosomatidae
  - *Rhodosoma* sp. 1

Ascidiacea-Pleurogona

Ascidiacea-Stolidobranchiata

- Styelidae
  - *Cnemidocarpa* sp.
  - *Cnemidocarpa* sp. 1
  - *Styela partita*
  - *Styela plicata*
  - *Polycarpa* sp.
  - *Polycarpa obtecta*
  - *Polycarpa circumarata*
  - *Polyandrocarpa* sp.
  - *Polyandrocarpa floridana*
  - *Polyandrocarpa tincta*
  - *Polyandrocarpa maxima*
  - *Symplegma viride*
- Pyuridae
  - *Pyura* sp.
  - *Pyura vittata*
  - *Microcosmus exasperatus*
- Molgulidae
  - *Molgula occidentalis*
- Botryllidae
  - *Botrylloides nigrum*
  - *Botrylloides tincta*
  - *Botryllus schlosseri*

Thaliacea

Thaliacea-Pyrosomida

- Pyrosomidae
  - *Pyrosoma atlanticum*

Thaliacea-Salpida

- Salpidae
  - *Salpa vagina*

CHORDATA-CEPHALOCHORDATA

- Branchiostomidae
  - *Branchiostoma* sp.
  - *Branchiostoma caribaeum*

CHORDATA-VERTEBRATA

Chondrichthyes
- Scyliorhinidae
  - *Scyliorhinus retifer*

Chondrichthyes-Rajiformes
- Rhinobatidae
  - *Rhinobatos lentiginosus*
- Torpedinidae
  - *Narcine brasiliensis*
- Rajidae
  - *Raja* sp.
  - *Raja eglanteria*
  - *Raja garmani*
  - *Raja texana*
- Dasyatidae
  - *Dasyatis sayi*

Osteichthyes

Osteichthyes-Anguilliformes

Anguilliformes
- Muraenidae
  - *Anarchias yoshiae*
  - *Gymnothorax* sp.
  - *Gymnothorax nigromarginatus*
  - *Gymnothorax saxicola*
- Muraenesocidae
  - *Hoplunnis* sp.
  - *Hoplunnis macrurus*
  - *Hoplunnis tenuis*
- Congridae
  - *Ariosoma* sp.
  - *Paraconger caudilimbatus*
  - *Hildebrandia flava*
  - *Rhechias* sp.
- Ophichthidae
  - *Ophichthus ocellatus*
  - *Myrophis punctatus*
  - *Echiophis intertinctus*
  - *Apterichtus* sp.
  - *Ichthyapus ophioneus*

Osteichthyes-Clupeiformes
- Clupeidae
  - *Opisthonema oglinum*
  - *Sardinella aurita*

Osteichthyes-Salmoniformes
- Argentinidae
  - *Glossanodon pygmaeus*

NOTE: Fish taxonomy follows Robins et al. (1980) except where indicated by another citation.

*Indicates visual identification only (Year 3 fish counts).

CHORDATA-VERTEBRATA (Continued)

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*Indicates visual identification only (Year 3 fish counts).

- Osteichthyes-Myctophiformes
  - Synodontidae
    - *Synodus* sp.
    - *Synodus foetens*
    - *Synodus intermedius*
    - *Synodus poeyi*
    - *Synodus synodus*
    - *Saurida* sp.
    - *Saurida brasiliensis*
    - *Saurida normani*
    - *Trachinocephalus myops*
- Osteichthyes-Batrachoidiformes
  - Batrachoididae
    - *Porichthys plectrodon*
    - *Opsanus beta*
    - *Opsanus pardus*
- Osteichthyes-Gobiesociformes
  - Gobiesocidae
    - *Gobiesox* sp.
    - *Gobiesox strumosus*
- Osteichthyes-Lophiiformes
  - Lophiidae
    - *Lophius gastrophysus*
    - *Lophiidae* sp. A
    - *Lophiidae* sp. B
  - Antennariidae
    - *Antennarius* sp.
    - *Antennarius ocellatus*
    - *Antennarius radiosus*
    - *Antennarius scaber*
    - *Antennarius pauciradiatus*
  - Ogcocephalidae
    - *Ogcocephalus* sp.
    - *Ogcocephalus vespertilio*
    - *Ogcocephalus cubifrons* (Bradbury, 1981)
    - *Ogcocephalus parvus*
    - *Ogcocephalus radiatus*
    - *Ogcocephalus declivirostris*
    - *Ogcocephalus corniger*
    - *Halieutichthys aculeatus*
    - *Zalieutes mcgintyi*

CHORDATA-VERTEBRATA (Continued)

- Osteichthyes-Gadiformes
  - Moridae
    - *Physiculus* sp.
    - *Physiculus fulvus*
  - Bregmacerotidae
    - *Bregmaceros atlanticus*
  - Gadidae
    - *Urophycis* sp.
    - *Urophycis regia*
    - *Urophycis cirrata*
    - *Urophycis floridana*
  - Ophidiidae
    - *Lepophidium* sp.
    - *Lepophidium cervinum*
    - *Lepophidium graellsi*
    - *Lepophidium jeannae*
    - *Lepophidium stauropher*
    - *Ophidion* sp.
    - *Ophidion beani*
    - *Ophidion holbrooki*
    - *Ophidion dromio*
    - *Neobythites* sp.
  - Carapidae
    - *Carapus bermudensis*
- Leptocephalus larvae
- Osteichthyes-Atheriniformes
  - Exocoetidae
    - *Hemiramphus* sp.
    - *Euleptorhamphus velox*
    - *Parexocoetus brachypterus*
- Osteichthyes-Beryciformes
  - Holocentridae
    - *Holocentrus* (=*Adioryx*) *bullisi*
    - *Holocentrus rufus*
    - *Myripristis jacobus*
    - *Ostichthys trachypoma*
    - *Adioryx poco*
  - Caproidae
    - *Antigonia capros*
- Osteichthyes-Gasterosteiformes
  - Aulostomidae
    - *Aulostomus maculatus*
  - Centriscidae
    - *Macrorhamphosus scolopax*

NOTE: Fish taxonomy follows Robins et al. (1980) except where indicated by another citation.

*Indicates visual identification only (Year 3 fish counts).

CHORDATA-VERTEBRATA (Continued)

- Syngnathidae
  - *Syngnathus pelagicus*
  - *Hippocampus* sp.
  - *Hippocampus erectus*
  - *Hippocampus reidi*
  - *Cosmocampus* sp.
  - *Cosmocampus albirostris*
  - *Cosmocampus elucens* (Dawson, 1982)
  - *Cosmocampus profundus*
- Osteichthyes-Scorpaeniformes
  - Scorpaenidae
    - *Neomerinthe beanorum*
    - *Pontinus* sp.
    - *Pontinus castor*
    - *Pontinus rathbuni*
    - *Scorpaena* sp.
    - *Scorpaena agassizi*
    - *Scorpaena albifimbria*
    - *Scorpaena brachyptera*
    - *Scorpaena brasiliensis*
    - *Scorpaena calcarata*
    - *Scorpaena dispar*
    - *Scorpaena elachys*
    - *Scorpaena inermis*
    - *Scorpaena plumieri*
    - *Scorpaenodes caribbaeus*
  - Triglidae
    - *Prionotus* sp.
    - *Prionotus carolinus*
    - *Prionotus alatus*
    - *Prionotus martis*
    - *Prionotus ophryas*
    - *Prionotus paralatus*
    - *Prionotus roseus*
    - *Prionotus rubio*
    - *Prionotus salmonicolor*
    - *Prionotus stearnsi*
    - *Bellator* sp.
    - *Bellator brachychir*
    - *Bellator egretta*
    - *Bellator militaris*
- Osteichthyes-Perciformes
  - Percichthyidae
    - *Synagrops bellus*
  - Serranidae
    - *Centropristis* sp.

NOTE: Fish taxonomy follows Robins et al. (1980) except where indicated by another citation.

*Indicates visual identification only (Year 3 fish counts).

CHORDATA-VERTEBRATA (Continued)

- *Centropristis ocyurus*
- *Centropristis philadelphica*
- *Epinephelus* sp.
- *Epinephelus morio*
- *Epinephelus niveatus*
- *Diplectrum* sp.
- *Diplectrum formosum*
- *Diplectrum bivittatum*
- *Hemanthias vivanus*
- *Hypoplectrus puella*
- *Hypoplectrus unicolor**
- *Hypoplectrus* sp.
- *Mycteroperca microlepis**
- *Serraniculus pumilio*
- *Serranus* sp.
- *Serranus annularis*
- *Serranus atrobranchus*
- *Serranus chionaria*
- *Serranus notospilus*
- *Serranus phoebe*
- *Serranus subligarius*
- *Serranus tabacarius*
- *Serranus tigrinus*
- *Serranus tortugarum*
- *Plectranthias garrupellus*
- *Schultzea beta*
- *Liopropoma eukrines*
- *Holanthias* sp.
- *Holanthias martinicensis*

Grammistidae
- *Rypticus bistrispinus*
- *Rypticus maculatus*
- *Rypticus saponaceus*
- *Pseudogramma gregoryi*

Grammidae
- *Lipogramma* sp.

Priacanthidae
- *Priacanthus arenatus*
- *Pristigenys alta*

Apogonidae
- *Apogon* sp.
- *Apogon affinis*
- *Apogon aurolineatus*
- *Apogon maculatus*
- *Apogon pseudomaculatus*

NOTE: Fish taxonomy follows Robins et al. (1980) except where indicated by another citation.

*indicates visual identification only (Year 3 fish counts).

CHORDATA-VERTEBRATA (Continued)

- *Apogon quadrisquamatus*
- *Apogon pillionatus*
- *Apogon phenax*
- *Astrapogon alutus*
- *Astrapogon stellatus*
- *Epigonus* sp.
- *Phaeoptyx conklini*
- *Phaeoptyx pigmentaria*

Branchiostegidae

- *Caulolatilus* sp.
- *Caulolatilus intermedius*

Carangidae

- *Caranx bartholomaei**
- *Caranx crysos**
- *Caranx hippos**
- *Chloroscombrus chrysurus*
- *Decapterus* sp.
- *Decapterus punctatus*
- *Hemicaranx amblyrhynchus*
- *Selar crumenophthalamus**
- *Seriola dumerili**
- *Trachurus lathami*

Lutjanidae

- *Lutjanus analis**
- *Lutjanus griseus*
- *Lutjanus mahogoni**
- *Lutjanus synagris*
- *Ocyurus chrysurus**
- *Rhomboplites aurorubens*
- *Pristipomoides aquilonaris*

Gerreidae

- *Eucinostomus* sp.
- *Eucinostomus argenteus*
- *Eucinostomus gula*

Haemulidae

- *Haemulon* sp.
- *Haemulon aurolineatum*
- *Haemulon parrai**
- *Haemulon plumieri*
- *Haemulon sciurus*
- *Haemulon striatum*
- *Orthopristis chrysoptera*
- *Anisotremus virginicus*

Sparidae

- *Archosargus probatocephalus**
- *Lagodon rhomboides*

NOTE: Fish taxonomy follows Robins et al. (1980) except where indicated by another citation.

*indicates visual identification only (Year 3 fish counts).

CHORDATA-VERTEBRATA (Continued)

- *Calamus arctifrons*
- *Calamus bajonado**
- *Calamus calamus*
- *Calamus pennatula*
- *Calamus proridens*

Sciaenidae
- *Equetus* sp.
- *Equetus acuminatus**
- *Equetus lanceolatus*
- *Equetus umbrosus*

Mullidae
- *Mullus auratus*
- *Pseudupeneus maculatus*

Ephippidae
- *Chaetodipterus faber*

Chaetodontidae
- *Chaetodon capistratus**
- *Chaetodon ocellatus*
- *Chaetodon aya*
- *Chaetodon sedentarius*
- *Chaetodon aculeatus*
- *Chaetodon ?sedentarius*
- *Centropyge argi*
- *Holacanthus* sp.
- *Holacanthus bermudensis*
- *Holacanthus ciliaris*
- *Holacanthus tricolor*
- *Pomacanthus arcuatus*
- *Pomacanthus paru**

Pomacentridae
- *Pomacentrus* sp.
- *Pomacentrus leucostictus**
- *Pomacentrus partitus*
- *Pomacentrus planifrons**
- *Pomacentrus variabilis*
- *Chromis* sp.
- *Chromis cyaneus*
- *Chromis enchrysurus*
- *Chromis scotti*

Cirrhitidae
- *Amblycirrhitus pinos*

Mugilidae
- *Mugil* sp.

Sphyraenidae
- *Sphyraena barracuda**

NOTE: Fish taxonomy follows Robins et al. (1980) except where indicated by another citation.

*indicates visual identification only (Year 3 fish counts).

CHORDATA-VERTEBRATA (Continued)

- Labridae
  - Bodianus pulchellus
  - Bodianus rufus
  - Clepticus parrai
  - Decodon sp.
  - Decodon puellaris
  - Halichoeres sp.
  - Halichoeres bivittatus
  - Halichoeres caudalis
  - Halichoeres maculipinna*
  - Halichoeres pictus
  - Halichoeres poeyi
  - Hemipteronotus novacula
  - Lachnolaimus maximus
- Scaridae
  - Scarus sp.
  - Cryptotomus roseus
  - Nicholsina usta
  - Sparisoma sp.
  - Sparisoma atomarium
  - Sparisoma radians
- Opistognathidae
  - Lonchopisthus micrognathus
  - Opistognathus sp.
  - Opistognathus n. sp.
  - Opistognathus lonchurus
- Dactyloscopidae
  - Dactyloscopus sp.
  - Dactyloscopus tridigitatus
  - Dactyloscopus poeyi
  - Dactyloscopus crossotus
- Uranoscopidae
  - Astroscopus y-graecum
  - Kathetostoma albigutta
- Blenniidae
  - Hypleurochilus bermudensis
  - Parablennius marmoreus
- Clinidae
  - Emblemaria atlantica
  - Emblemaria piratula
  - Labrisomus guppyi
  - Starksia sp.
  - Starksia ocellata
  - Starksia lepicoelia
  - Chaenopsis sp.

NOTE: Fish taxonomy follows Robins et al. (1980) except where indicated by another citation.

*indicates visual identification only (Year 3 fish counts).

CHORDATA-VERTEBRATA (Continued)

- *Chaenopsis roseola*
- *Nemaclinus atelestos*
- Callionymidae
  - *Callionymus* sp.
  - *Callionymus bairdi*
  - *Callionymus pauciradiatus*
  - *Callionymus himantophorus*
- Gobiidae
  - *Coryphopterus* sp.
  - *Coryphopterus dicrus*
  - *Coryphopterus eidolon*
  - *Gobionellus* sp.
  - *Gobionellus saepepallens*
  - *Gobiosoma macrodon*
  - *Gobiosoma oceanops*
  - *Gobiosoma longipala*
  - *Microgobius* sp.
  - *Microgobius carri*
  - *Evermannichthys spongicola*
  - *Gnatholepis thompsoni*
  - *Risor ruber*
  - *Bollmannia* sp.
  - *Bollmannia communis*
  - *Chriolepis* sp.
  - *Chriolepis* n. sp.
  - *Varicus marilynae*
- Stromateidae
  - *Peprilus paru*

Osteichthyes-Pleuronectiformes

- Bothidae
  - *Citharichthys* sp.
  - *Citharichthys cornutus*
  - *Citharichthys gymnorhinus*
  - *Citharichthys macrops*
  - *Etropus* sp.
  - *Etropus crossotus*
  - *Etropus rimosus*
  - *Ancylopsetta dilecta*
  - *Bothus* sp.
  - *Bothus ocellatus*
  - *Bothus robinsi*
  - *Cyclopsetta fimbriata*
  - *Gastropsetta frontalis*
  - *Syacium* sp.
  - *Syacium gunteri*
  - *Syacium papillosum*

NOTE: Fish taxonomy follows Robins et al. (1980) except where indicated by another citation.

*indicates visual identification only (Year 3 fish counts).

CHORDATA-VERTEBRATA (Continued)

- Soleidae
  - *Achirus lineatus*
  - *Gymnachirus melas*
  - *Gymnachirus texae*
- Cynoglossidae
  - *Symphurus* sp.
  - *Symphurus plagiusa*
  - *Symphurus diomedianus*
  - *Symphurus minor*
  - *Symphurus urospilus*

Osteichthyes-Tetraodontiformes

- Triacanthidae
  - *Paraholiardia lineata*
- Balistidae
  - *Aluterus schoepfi*
  - *Aluterus heudeloti*
  - *Aluterus scriptus*
  - *Balistes capriscus*
  - *Monacanthus* sp.
  - *Monacanthus ciliatus*
  - *Monacanthus hispidus*
  - *Monacanthus setifer*
- Ostraciidae
  - *Lactophrys* sp.
  - *Lactophrys quadricornis*
  - *Lactophrys polygonia*
- Tetraodontidae
  - *Sphoeroides* sp.
  - *Sphoeroides dorsalis*
  - *Sphoeroides spengleri*
  - *Canthigaster rostrata*
- Diodontidae
  - *Chilomycterus schoepfi*
  - *Diodon holocanthus*

NOTE: Fish taxonomy follows Robins et al. (1980) except where indicated by another citation.

*indicates visual identification only (Year 3 fish counts).

APPENDIX L

DREDGE AND TRAWL SPECIES OCCURRENCE TABLES
FOR YEAR 1, 2, AND 3 LIVE-BOTTOM STATIONS

TABLE L.1. WATER DEPTHS AND SAMPLING DATES FOR YEAR 1, 2, AND 3 LIVE-BOTTOM STATIONS.

Station	Water Depth (m)	Sampling Date*					
		Year 1 Cruises		Year 2 Cruises		Year 3 Cruises	
		III	IV	II	III	II	III
1	24	X	X	X	X		
3	50	X	X	X	X		
7	30	X	X	X	X		
9	56	X	X	X	X		
10	71	X	X				
11	77	X	X	X	X		
13	20	X	X	X	X		
15	32	X	X	X	X		
17	58	X	X				
19	22	X	X				
21	44	X†	X	X	X		
23	70	X	X	X	X		
27	54	X	X				
29	62	X	X	X	X		
30	76	X	X				
32	137			X	X		
35	159			X	X		
36	127			X	X		
38	159			X	X		
39	152			X§	X§		
44	13					X	X
45	17					X	X†
47	19					X	X
51	15.5					X	X
52	13.5					X	X

Except where noted otherwise, three dredge samples and one trawl sample were collected at each station each time it was sampled.

*Sampling dates:
Year 1, Cruise III = October-November 1980
Year 1, Cruise IV = April-May 1981
Year 2, Cruise II = July-August 1981
Year 2, Cruise III = January-February 1982
Year 3, Cruise II = December 1982
Year 3, Cruise III = May-June 1983.

†No trawl sample.

§Due to steep terrain at Station 39, samples were collected using rock dredge only (data not included here).

TABLE L.2. OCCURRENCES OF ALGAL SPECIES IN DREDGE SAMPLES FROM LIVE-BOTTOM STATIONS.

Species	Station																								
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Chondria cnicophylla	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Caulerpa cupressoides v. turneri	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dictyota cervicornis	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dictyota indica	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eucheuma acanthocladum	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Sargassum hystrix v. buxifolium	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Penicillus capitatus	.	.	.	.	.	*	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dictyota linearis	.	.	.	.	.	*	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Agardhiella ramossisima	.	.	.	.	.	*	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Udotea spinulosa	.	.	.	.	.	*	.	=	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.
Ostreobium quekettii	.	.	.	.	.	-	.	-	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Caulerpa intricata	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Acetabularia crenulata	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Fauchea hassleri	.	.	.	.	.	*	.	.	.	.	.	*	.	*	.	.	.	.	.	.	.	.	.	.
Dictyopteris membranacea	.	.	.	.	.	*	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Laurencia chondrioides	.	.	.	.	.	.	*	*	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.
Penicillus pyriformis	.	.	.	.	*	=	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Caulerpa mexicana	.	.	.	.	+	=	+	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Gracilaria cylindrica	.	.	.	.	.	=	*	=	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Gracilaria sp. 2	.	.	.	.	.	*	*	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Caulerpa ashmeadii	.	.	.	.	.	.	*	.	.	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.
Lithothamnium syntrophicum	.	.	.	.	.	.	.	*	.	.	.	*	.	.	.	.	*	.	.	.	.	.	.	.
Rhodymenia occidentalis	.	.	.	*	.	.	.	.	.	.	.	=	.	.	.	.	*	=	.	.	.	.	.	.
Sporochnus bolleanus	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Gloioderma atlantica	.	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.
Codium repens	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	=	.	.	.	.	.
Goniolithon strictum	.	.	.	.	.	=	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Caulerpa cupressoides	.	.	.	.	.	.	.	*	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.
Gracilaria ornata	.	.	.	.	.	.	.	*	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.
Sargassum hystrix v. hystrix	.	.	.	.	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Sargassum hystrix	.	.	.	.	.	.	.	*	=	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.
Goniolithon spectabile f. nana	.	.	.	.	.	=	.	*	=	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.
Sargassum hystrix v. spinulosum	.	.	.	.	.	+	+	*	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eucheuma isiforme v. denutatum	.	.	.	.	.	=	.	+	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Sargassum vulgare	.	.	.	.	.	-	.	=	*	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.
Jania adherens	.	.	.	.	.	.	.	*	.	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.
Aurainvillea longicaulis	.	.	.	.	.	.	.	*	=	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aurainvillea nigricans	.	.	.	.	.	.	.	+	=	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Rosenvingea intricata	.	.	.	=	.	=	.	*	-	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spyridia filamentosa	.	=	.	.	.	*	.	*	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Solierra tenera	.	*	.	.	.	.	.	=	*	=	=	.	.	.	.	.	.	.	.	.	.	.	.	.
Gracilaria armata	.	.	.	.	*	.	.	*	*	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Gracilaria blodgettii	.	=	=	.	*	=	.	=	=	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TABLE L.2. (CONTINUED).

Species	Station																										
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Gracilaria usneoides	.	=	*	.	=	.	.	=	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Jania capillacea	.	.	.	=	*	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Sargassum filipendula	.	.	.	.	*	=	.	.	-	.	-	.	.	.	.	.	=	.	.	.	.	.	.	.
Halimeda incrassata	.	.	+	.	*	=	.	.	.	.	.	.	.	.	.	.	-	.	.	.	.	.	.	.
Udotea flabellum	.	.	.	.	.	=	=	*	*	-	.	.	.	-	.	.	.	.	.	.	.	.	.	.
Udotea cyathiformis	.	.	.	.	=	*	=	*	-	.	.	+	.	+	.	.	-	.	.	.	.	.	.	.
Gracilaria debilis	.	-	-	-	=	=	=	*	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Gracilaria mammillaris	*	=	.	*	=	.	.	*	*	.	+	*	.	+	.	.	.	-	.	.	.	.	.	.
Udotea conglutinata	+	*	*	*	*	=	+	*	=	=	-	.	.	-	.	.	.	.	.	.	.	.	.	.
Botryocladia occidentalis	-	*	*	*	=	-	-	*	+	.	+	.	.	.	=	.	.	.	.	.	.	.	.	.
Laurencia intricata	-	-	+	*	-	-	-	*	*	.	-	-	.	.	.	.	.	.	.	.	.	.	.	.
Halimeda scabra	.	.	+	*	.	-	.	*	-	-	.	.	.	=	.	.	.	.	.	.	.	.	.	.
Wurdemannia miniata	.	.	-	*	.	-	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Caulerpa microphysa	.	.	.	.	.	.	.	*	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Sargassum natans	.	.	.	.	.	.	.	=	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Caulerpa peltata	.	.	.	.	.	.	.	=	=	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Wrightiella blodgettii	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Dasya corymbifera	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Rhcanthophora muscoides	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Dasyopsis spinuligera	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Wrightiella tumanowiczi	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Nereia tropica	.	.	.	.	.	.	.	.	*	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Gracilaria curtissiae	.	.	.	.	.	.	.	.	*	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Eucheuma isiforme v. isiforme	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Avrainvillea asarifolia	.	.	.	.	.	.	.	*	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Kallymenia westii	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cryptarachne agardhii	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Halimeda discoidea	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dasya harveyi	.	.	.	.	.	.	.	.	=	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithophyllum nunitum	.	.	.	.	.	*	.	.	=	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithophyllum caribaeum	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dasyopsis antillarum	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Penicillus capitatus f. laxus	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Sargassum bermudense v. hellebrandtii	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dasya baileuviana	.	.	.	.	+	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Sporochnus pedunculatus	.	.	.	.	.	.	.	=	-	.	-	-	.	+	*	.	.	.	.	.	.	.	.	.
Dictyota divaricata	.	=	.	=	.	.	=	=	.	.	.	=	.	+	*	.	.	.	.	.	.	.	.	.
Gracilaria sp. 1	.	.	.	.	.	.	.	-	=	.	=	=	+	=	*	.	.	-	.	.	.	.	.	.
Codium isthmocladum	.	.	=	.	.	+	.	+	-	+	+	=	=	*	*	.	.	.	.	.	.	.	.	.
Leptofauchea rhodymenioides	.	.	.	.	.	.	.	*	+	.	=	*	.	.	+	+	=	.	.	.	.	.	.	.
Struvea pulcherrima	.	.	.	.	.	.	.	.	.	.	.	+	.	*	=	+	-	=	.	.	.	.	.	.
Padina profunda	.	.	.	.	.	.	.	.	.	.	.	.	.	-	*	.	.	=	.	.	.	.	.	.
Microdictyon boegesenii	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	-	.	.	.	.	.	.
Halymenia vinacea	.	.	.	.	.	.	.	.	.	.	.	.	.	+	*	.	-	-	.	.	.	.	.	.

TABLE L.2. (CONTINUED).

Species	Station																										
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Eucheuma echinocarpum	.	.	.	.	.	.	.	.	.	*	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Cryptonemia sp. 3	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Pseudocodium floridanum	.	.	.	.	.	.	.	.	.	.	=	.	.	*	.	.	.	.	.	.	.	.	.	.
Dictyopteris justii	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Rhodymenia divaricata	.	.	.	.	.	.	.	.	.	.	.	*	.	*	.	.	.	.	.	.	.	.	.	.
Lithothamnium occidentale	.	.	=	.	.	.	.	-	.	-	.	-	.	*	.	.	.	.	.	.	.	.	.	.
Lithothamnium ruptile	.	.	.	-	.	.	.	=	-	=	=	+	.	.	-	+	*	=	=	=	.	.	.	.
Peyssonnelia rubra	.	.	.	.	.	.	.	-	-	.	.	-	.	+	-	+	*	*	=	*	.	.	.	.
Palmellaceae n. sp.	.	.	.	.	.	.	.	-	.	.	.	.	.	.	.	.	.	*	+	*	.	.	.	.
Anadyomene menziesii	.	.	.	.	.	.	.	-	.	.	-	.	.	.	.	.	.	*	*	*	.	.	.	.
Peyssonnelia simulans	.	.	.	.	.	.	.	.	.	-	=	-	-	-	-	.	-	*	*	*	.	.	.	.
Cystodictyon pavonium	.	.	.	.	.	.	-	-	.	.	*	*	.	.	.	.	=	.	.	.	.	.	.	.
Sargassum fluitans	.	.	.	.	.	.	.	.	.	.	=	=	.	+	.	=	.	.	-	=	=	=	=	*
Caulerpa taxifolia	.	.	.	.	.	.	.	.	.	.	.	=	*	.	.	.	.	.	.	=	.	.	.	.
Lithothamnium calcareum	.	-	.	.	-	=	*	+	+	+	.	=	+	+	*	+	+	=	-	=	.	.	.	.
Halimeda gracilis	.	.	.	.	.	=	+	-	*	+	+	=	*	*	*	=	+	+	-	.	.	.	.	.
Caulerpa sertularioides	.	.	=	.	=	-	=	-	.	.	-	-	.	=	*	.	+	.	.	.	.	.	.	.
Gracilaria verrucosa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.
Cryptonemia sp. 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Cryptonemia obovata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	*	.	.	.	.	.	.	.
Dictyopteris delicatula	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	.	*	.	.	.	.	.	.	.
Dasya collinsiana	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	-	.	.	.	.	.	.
Maripelta atlantica	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	=	-	.	.	.	.	.	.
Sargassum pteropleuron	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.
Petroglossum undulatum	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.
Waldoia antillana	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Amphiroa hancockii	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Halimeda discoidea v. platyloba	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Valonia ventricosa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.
Lobophora variegata	.	.	.	.	.	.	.	.	=	.	.	.	.	=	.	.	.	*	*	.	.	.	.	.
Lithophyllum pustulatum	.	*	.	*	.	.	.	.	*	.	=	.	.	.	.	.	.	*	*	.	.	.	.	.
Meristotheca floridana	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.
Agardhiella browneae	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	=	.	*	.	.	.	.	.	.
Rhodymenia pseudopalmata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.
Cryptonemia sp. 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.
Apoglossum ruscifolium	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.
Halymenia bermudensis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.
Sargassum bermudense	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.
Gracilaria compressa	.	*	.	*	.	*	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lomentaria baileyana	.	+	.	*	.	.	.	=	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithophyllum absimile	.	*	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Champia parvula	.	*	.	=	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Rhipocephalus phoenix	.	.	.	*	.	.	.	+	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Laurencia obtusa	.	.	+	*	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TABLE L.2. (CONTINUED).

Species	Station																														
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Eucheuma isiforme	+	+	+	*	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Goniolithon spectabile	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cryptonemia luxurians	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Rhipocephalus oblongus	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Kallymenia limminghii	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dasya caraibida	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hypnea spinella	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Halymenia floresia	.	*	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Gracilaria domingensis	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Gracilaria cervicornis	.	*	*	.	.	.	.	*	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chondria polyrhiza	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Agardhiella subulata	=	*	*	.	.	-	=	=	-	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithophyllum bermudense	+	*	=	=	.	.	.	.	-	.	.	.	.	.	.	.	.	.	-	.	.	.	.	.
Dictyopteris jamaicensis	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Halimeda tuna	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Caulerpa cupressoides v. flabellata	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithophyllum daedalum	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithothamnium incertum	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Melobesieae 1	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Melobesieae 2	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Stations are listed from left to right in order of increasing water depth (except Stations 10, 11, 23, 29, and 30--ordered primarily by latitude and secondarily by depth). Species are ordered on the basis of inverse cluster analysis results.

Original data in the table were relative frequency of occurrence values (number of dredge samples in which the species occurred divided by the total number of dredges taken at that station). Values were then scaled by row maximum and grouped as indicated by the following symbols:

"." indicates no occurrence
"-" indicates 0 to 25% of row maximum
"=" indicates 25 to 50% of row maximum
"+" indicates 50 to 75% of row maximum
"*" indicates 75 to 100% of row maximum

TABLE L.3. OCCURRENCES OF BIVALVE SPECIES IN DREDGE SAMPLES FROM LIVE-BOTTOM STATIONS.

Species	Station																								
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Chione latilirata	.	.	.	.	.	+	=	+	*	-	-	-	-	=	=	.	.	.	.	.	.	.	.	.
Argopecten gibbus	.	.	.	.	=	*	*	*	*	-	+	.	=	=	*	=	.	.	.	.	.	.	.	.
Aequipecten nuscosus	.	.	.	.	=	-	=	=	+	=	=	-	=	=	*	.	.	.	.	.	.	.	.	.
Laevicardium pictum	-	-	-	=	.	+	*	=	=	=	=	=	=	=	*	.	.	-	.	.	.	.	.	.
Pecten raveneli	.	.	.	.	.	=	*	*	*	.	=	+	.	+	=	=	.	.	.	.	.	.	.	.
Eucrassatella speciosa	.	.	.	.	.	=	*	.	*	-	.	*	=	*	.	.	.	.	.	.	.	.	.	.
Macrocallista maculata	-	.	.	.	.	*	*	-	*	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tellina listeri	.	.	.	.	-	+	*	+	-	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Laevicardium laevigatum	.	.	-	.	=	=	*	.	.	=	.	.	-	.	-	.	.	-	.	.	.	.	.	.
Arcinella cornuta	.	.	.	.	=	=	*	-	.	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.
Periglypta listeri	.	.	.	.	-	=	*	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hiatella arctica	.	.	.	.	.	-	.	=	=	=	=	-	.	-	*	.	.	.	.	.	.	.	.	.
Lima pellucida	.	.	.	.	.	-	.	.	.	-	*	-	.	*	*	.	.	.	.	.	.	.	.	.
Menocardium tinctum	.	.	.	.	.	.	.	-	.	.	=	=	*	*	*	.	=	.	.	.	.	.	.	.
Chlamys benedicti	.	.	.	.	.	.	.	.	.	-	*	+	*	+	+	.	-	-	=	.	.	.	.	.
Corbula dietziana	.	.	.	.	.	-	.	.	.	.	=	*	-	.	.	-	.	.	.	.	.	.	.	.
Semele bellastriata	.	.	.	.	.	.	.	.	=	.	.	-	.	*	.	.	.	.	.	.	.	.	.	.
Amygdalum sagittatum	.	.	.	.	.	.	.	.	.	.	.	=	.	*	+	.	.	.	.	.	.	.	.	.
Callista eucymata	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	.	+	.	.	+	.	.	.	.
Arcopsis adansi	.	.	.	.	.	.	.	.	.	.	.	*	.	*	.	.	.	.	.	.	.	.	.	.
Chlamys sentis	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Cardiomya perrostrata	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Pleuromeris tridentata	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Americardia media	.	.	.	.	=	*	.	*	=	+	-	*	.	.	.	.	.	-	.	.	.	.	.	.
Papyridea soleniformis	.	.	.	.	.	*	.	=	=	=	=	=	.	+	.	.	.	.	.	.	.	.	.	.
Trachycardium egmontianum	.	.	.	.	.	*	.	.	.	.	.	.	.	-	.	.	.	.	.	.	.	.	.	.
Pitar simpsoni	.	.	.	.	.	*	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lucina nassula	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithophaga aristata	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Abra aequalis	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pododesmus rudis	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Gastrochaena hians	.	.	+	.	.	.	.	-	*	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
Chama congregata	.	=	=	+	.	+	.	*	*	*	.	-	.	.	.	.	=	.	.	=	=	.	.	.
Anadara floridana	.	.	.	.	.	.	*	=	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Gouldia cerina	.	.	.	.	.	.	.	.	*	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
Semele proficua	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithophaga bisulcata	*	.	.	+	.	.	.	=	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Modiolus americanus	+	.	.	+	.	.	.	*	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chione cancellata	.	*	.	.	.	=	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Glycymeris decussata	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Malleus candeanus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.
Lima ?scabra	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.
Barbatia domingensis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	*	.	.	.

TABLE L.3. (CONTINUED).

Species	Station																								
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Lima lima	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Arca imbricata	.	*	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Barbatia cancellaria	.	.	.	.	.	.	.	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.	=	*
Aequipecten phrygium	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-	*	+	+
Barbatia candida	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	*	.	*
Poromya ?albida	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.
Astarte globula	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.
Pecten ziczac	.	.	.	.	=	.	.	-	.	.	.	.	.	.	=	*	-	.	.	.	.	.	.	.
Pitar fulminatus	.	.	.	.	=	.	.	.	.	.	.	-	=	=	.	.	*	-	.	.	.	.	.	.
Anomia simplex	.	.	=	.	*	.	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.
Spondylus ictericus	.	.	.	.	*	=	.	.	.	=	.	.	.	.	.	.	.	.	=	.	.	.	.	.
Chione mazycki	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Anadara transversa	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Laevicardium mortoni	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pecten chazaliei	.	.	.	.	.	.	.	.	.	.	*	.	.	.	*	.	.	=	.	.	.	.	.	.
Lyropecten nodosus	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Ventricolaria rugatina	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Pseudochama radians	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Lyropecten antillarum	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	*	.	.	.	.	.	.	.
Plicatula gibbosa	.	.	.	.	.	.	*	.	.	.	=	.	.	.	.	.	*	.	.	.	*	*	.	.
Agriopoma texasiana	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.
Pitar cordatus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	=	.	.	*	.	.	.
Neopycnodonte cochlear	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Menocardium peramabile	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Semele purpurascens	*	.	.	.	.	=	.	.	=	=	.	.	.	=	.	.	.	.	.	.	.	.	.	.
Lyonsia beana	*	.	.	.	.	=	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.
Atrina seminuda	*	.	.	.	.	.	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.
Papyridea semisulcata	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Ostreola equestris	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chama macerophylla	+	+	*	*	.	-	.	-	+	+	-	=	.	-	.	.	.	.	.	.	.	.	.	.
Arca zebra	-	=	=	*	-	-	=	=	-	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.
Pteria colymbus	*	-	=	+	-	=	.	-	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Anadara notabilis	+	+	*	+	+	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spondylus americanus	.	-	=	*	-	.	.	.	.	=	-	-	.	.	.	.	.	.	-	.	.	.	.	.
Lopha frons	=	-	=	*	.	-	.	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pinctada imbricata	=	*	*	*	=	-	.	.	.	-	-	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithophaga nigra	=	*	.	*	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Trachycardium muricatum	=	=	+	+	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lithophaga antillarum	.	.	.	*	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chione grus	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Botula fusca	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lioberus castaneus	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Musculus lateralis	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Ostrea rhizophora	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TABLE L.3. (CONTINUED).

Stations are listed from left to right in order of increasing water depth (except Stations 10, 11, 23, 29, and 30--ordered primarily by latitude and secondarily by depth). Species are ordered on the basis of inverse cluster analysis results.

Original data in the table were relative frequency of occurrence values (number of dredge samples in which the species occurred divided by the total number of dredges taken at that station). Values were then scaled by row maximum and grouped as indicated by the following symbols:

"." indicates no occurrence
"-" indicates 0 to 25% of row maximum
"=" indicates 25 to 50% of row maximum
"+" indicates 50 to 75% of row maximum
"*" indicates 75 to 100% of row maximum

TABLE L.4. OCCURRENCES OF CNIDARIAN SPECIES IN DREDGE SAMPLES FROM LIVE-BOTTOM STATIONS.

Species	Station																										
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Plexaurella fusifera	*	*	*	*	+	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pterogorgia guadalupensis	*	+	*	+	=	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eunicea calyculata	-	*	*	+	*	=	.	.	.	.	.	.	.	.	.	.	.	.	-	.	.	.	.	.
Campanularia marginata	*	=	*	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Carejoa riisei	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eudendrium carneum	*	*	+	.	=	=	=	-	-	-	-	-	.	-	-	.	-	-	-	+	.	.	.	.
Siderastrea radians	*	+	*	*	-	+	.	*	*	+	+	=	.	.	.	.	.	.	.	.	.	.	.	.
Solenastrea hyades	*	*	*	*	+	+	-	*	*	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Phyllangia americana	*	*	*	*	-	-	.	+	+	-	-	.	-	.	.	.	.	.	.	.	-	.	-	.
Sertularia westindica	.	.	*	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dysplasia digitalis	.	*	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Muricea elongata	+	+	-	*	=	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Plexaurella nutans	-	=	-	*	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pseudoplexaura wagenaari	=	+	*	*	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pseudoplexaura porosa	.	*	=	+	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pseudopterogorgia acerosa	=	-	=	*	*	+	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pseudopterogorgia rigida	=	.	=	*	=	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pseudoplexaura flagellosa	.	.	=	*	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Millepora alcicornis	.	.	.	*	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Isophyllia sinuosa	.	.	-	*	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Porites porites divaricata	.	.	.	*	.	.	.	.	=	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cladocora arbuscula	*	.	.	*	=	-	=	*	*	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Stephanocoenia michelinii	.	.	-	*	.	-	.	+	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Scolymia lacera	.	=	.	*	.	=	.	.	*	*	=	-	.	.	.	.	.	.	=	.	.	.	.	.
Oculina diffusa	.	.	.	.	.	.	.	.	*	*	+	-	.	.	.	.	.	.	.	.	.	.	-	.
Oculina robusta	*	.	.	.	.	.	.	.	=	*	.	=	.	.	.	.	.	.	.	.	.	.	.	.
Isophyllia multiflora	.	.	.	.	.	.	.	.	*	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Plumularia geminata	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Balanophyllia wellsi	.	.	.	.	.	.	.	.	*	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Rhizosmilia maculata	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Astrangia solitaria	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Favia gravida	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lophogorgia hebes	*	-	.	.	.	-	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Leptogorgia virgulata	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eunicea cf. laciniata	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eunicea sp. cf. asperula	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eunicea asperula	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Muricea laxa	+	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Porites porites	*	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pseudopterogorgia americana	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eunicea sp. cf. tourneforti	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Sertularella conica	.	.	.	.	=	-	.	.	-	-	.	*	.	.	.	.	.	.	.	=	.	.	.	.
Leptogorgia euryale	.	.	.	.	.	.	.	.	.	.	.	*	.	.	*	.	.	.	.	.	.	.	.	.

TABLE L.4. (CONTINUED).

Species	Station																								
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Monostaechas quadridens	.	.	.	.	.	.	.	*	=	.	-	=	.	=	.	=	.	.	-	.	.	.	.	.
Leptogorgia stheno	.	.	.	.	.	.	.	.	.	.	.	=	.	*	.	.	.	=	.	.	.	.	.	.
Lophogorgia cardinalis	.	.	.	.	*	+	+	.	.	-	.	=	=	-	+	.	+	.	.	.	.	.	.	.
Plumularia nigra	.	.	.	.	.	-	*	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Sertularella pinnigera	.	.	.	.	.	-	*	-	-	-	.	-	-	.	*	-	-	-	.	.	.	.	.	.
Dynamena pourtalesi	.	.	.	.	.	.	=	=	-	.	.	-	=	=	*	-	.	.	.	.	.	.	.	.
Lophogorgia barbadensis	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Corydendrium parasiticum	.	.	.	.	.	.	*	=	=	.	.	=	.	.	.	.	.	.	.	.	*	.	.	.
Telesto fruticulosa	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.
Telesto sanguinea	.	.	.	.	.	.	.	.	=	.	.	+	=	.	.	*	=	.	.	.	.	.	.	.
Halopteris clarkei	.	.	.	.	.	.	.	.	-	.	-	+	.	-	.	*	.	.	.	.	.	.	.	.
Gymnangium sinuosum	.	.	.	.	.	.	.	.	.	.	=	-	=	.	=	*	=	.	.	.	.	.	.	.
Cryptolaria pectinata	.	.	.	.	.	.	.	.	.	.	.	.	=	-	.	*	=	.	.	.	=	.	.	.
Eunicea calyculata coronata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.
Ellisella atlantica	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	=	*	-	.	=	.	.	.	.
Thesea parviflora	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	*	.	.	.	.	.	=	.
Synthecium tubithecum	=	.	.	.	.	.	.	=	.	.	.	+	*	*	=	*	.	.	.	=	.	.	.	.
Oculina tenella	.	.	.	.	.	.	.	.	.	.	-	-	*	+	*	.	.	.	.	.	.	.	.	.
Thyroscyphus marginatus	.	.	.	.	.	+	-	-	-	-	*	*	*	=	*	-	.	.	-	+	.	.	.	.
Stephanoscyphus corniformis	.	.	.	.	.	-	.	.	-	.	-	+	*	=	=	*	+	-	-	*	.	-	-	-
Aglaophenia elongata	.	.	.	.	.	.	.	.	.	.	-	-	-	*	*	+	=	-	-	-	-	.	.	.
Madracis asperula	.	.	.	.	.	.	.	.	.	.	.	.	=	*	*	*	*	*	=	.	-	.	-	=
Eunicea knighti	.	*	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lafoea venusta	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Synthecium robustum	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eunicea calyculata calyculata	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Plexaurella dichotoma	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Mussa angulosa	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eudendrium tenellum	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Acryptolaria pulchella	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lafoeina maxima	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Obelia hyalina	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dichocoenia stellaris	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Sertularia mayeri	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Siderastrea siderea	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cirrhipathes luetkeni	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Antipathes rhipidion	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Macrorhynchia clarkei	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Swiftia costa	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Virgularia presbytes	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Ellisella elongata	.	.	.	.	.	.	.	.	.	.	.	=	.	.	.	.	*	.	.	.	.	.	.	.
Acryptolaria rectangularis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Bellonella tenuis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Telesto corallina	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	*	.	.	.	.	.	.	.

TABLE L.4. (CONTINUED).

Species	Station																								
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Halecium macrocephalum	.	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	*	.	.	.	.	.	.	.
Lafoea fruticosa	.	.	.	.	.	.	.	.	.	.	.	*	.	*	.	.	*	.	*	.	.	.	.	.
Leptogorgia medusae	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	=	.	.	.	.	.	.	.
Manicina areolata	.	.	.	*	.	.	-	-	+	=	.	.	+	.	.	.	.	.	*	-	.	.	.	.
Madracis formosa	.	.	.	.	.	.	.	.	-	-	.	.	.	.	.	.	.	-	*	=	.	.	.	.
Diodogorgia nodulifera	.	.	.	.	.	.	.	*	.	.	-	.	.	.	.	.	.	.	-	=	.	.	.	.
Madracis brueggemanni	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	.	.	.	.	.
Madracis mirabilis	.	.	.	.	.	.	.	-	.	.	.	.	.	.	.	.	.	=	=	*	.	.	.	.
Agaricia fragilis fragilis	.	.	.	.	.	.	.	.	.	.	-	.	.	.	.	.	.	.	*	.	.	.	.	.
Agaricia agaricites	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Madracis decactis	.	.	.	.	.	.	.	.	.	-	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Agaricia fragilis contracta	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	=	.	.	.	.
Agaricia lamarcki	.	.	.	.	.	.	.	.	.	=	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Agaricia fragilis	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	-	*	.	.	.	.	.
Keratoisis flexibilis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Agaricia agaricites agaricites	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Lignella richardi	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Leptoseris (Helioseris) cucullata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Antipathes gracilis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Porites astreoides	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Montastrea cavernosa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Agaricia agaricites purpurea	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Ihesea plana	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.
Clytia cylindrica	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.
Halecium tenellum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	*	.	.	.	.
Eudendrium eximium	.	.	.	.	.	.	.	.	=	.	.	.	.	.	.	.	.	=	.	*	.	.	.	.
Dynamena cornicina	.	.	.	.	.	-	.	.	.	.	-	.	.	.	.	=	.	.	.	*	.	.	.	.
Nicella schmitti	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.
Telesto operculata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	.	*	.	.	.	.
Caliacis nutans	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	+	.
Ihesea citrina	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	*	=
Deltocyathus calcar	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.
Trochocyathus rawsonii	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.
Modeeria rotunda	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	.	.	.	*	.	.
Ihesea grandiflora rugulosa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.
Anomocora fecunda	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.
Lafoea coalescens	.	.	.	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.
Oxysmilia rotundifolia	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.
Nemertesia ramosa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.
Dendrophyllia cornucopia	.	.	.	.	.	.	.	.	=	.	.	-	.	.	.	.	.	.	.	.	*	=	.	.
Placogorgia rudis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.
Flabellum fragile	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	=	.	.
Ellisella funiculina	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	=
Nidalia occidentalis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	-	.	*	.	.	.

TABLE L.4. (CONTINUED).

Species	Station																								
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Acryptolaria conferta	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-	+	.	.	.	+	*	.	*
Caryophyllia horologium	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	+
Paracyathus pulchellus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	=	=	+
Javania cailleti	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	=	*	=
Placogorgia mirabilis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	*	=
Nicella americana	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.
Antipathes cf. tanacetum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.
Bebryce grandis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.
Antipathes cf. furcata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-	.	.	.	.	*	.
Caryophyllia berteriana	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
Aphanipathes filix	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
Guynia annulata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-	.	.	.	.	*
Placogorgia tenuis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	*
Coenosmilia arbuscula	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	=	*
Thesea hebes	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*
Thesea guadalupensis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*
Nicella cf. granifera	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	*	*
Scleracis petrosa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-	.	-	.	*	-
Madracis myriaster	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	=	.	*	=
Thesea grandiflora	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	=	*	=
Antipathes pedata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	*	*
Scleracis guadalupensis	.	.	.	.	.	.	.	.	-	.	.	.	.	.	.	.	.	.	-	=	.	.	*	*
Siphonogorgia agassizii	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	.	.	=	.	*	*
Zygophylax conwallaria	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	*	+
Madrepora carolina	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	*	*
Nicella guadalupensis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-	-	-	.	-	.	*	*
Ellisella barbadensis	.	.	.	.	.	.	.	.	.	.	.	-	.	.	.	.	-	.	.	.	=	.	+	*
Aphanipathes abietina	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	*
Antipathes columnaris	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	*
Aphanipathes humilis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+
Villogorgia nigrescens	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*

Stations are listed from left to right in order of increasing water depth (except Stations 10, 11, 23, 29, and 30--ordered primarily by latitude and secondarily by depth). Species are ordered on the basis of inverse cluster analysis results.

Original data in the table were relative frequency of occurrence values (number of dredge samples in which the species occurred divided by the total number of dredges taken at that station). Values were then scaled by row maximum and grouped as indicated by the following symbols:

- "." indicates no occurrence
- "-" indicates 0 to 25% of row maximum
- "=" indicates 25 to 50% of row maximum
- "+" indicates 50 to 75% of row maximum
- "*" indicates 75 to 100% of row maximum

TABLE L.5. OCCURRENCES OF CRUSTACEAN SPECIES IN DREDGE SAMPLES FROM LIVE-BOTTOM STATIONS.

Species	Station																															
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Macrocoeloma camptocerum	+	=	*	.	+	+	=	*	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Podochela riisei	=	*	+	-	*	=	.	*	=	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Paguristes hummi	*	=	-	.	+	=	-	-	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Synalpheus minus	*	*	*	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Trachypenaeus constrictus	=	=	*	.	*	*	=	+	.	.	.	.	.	.	.	=	.	.	.	.	.	.	.	.
Metoporhaphis calcarata	=	=	=	.	*	=	*	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pagurus stimpsoni	.	-	*	-	+	-	=	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hypoconcha sabulosa	-	-	*	.	-	-	=	-	=	=	-	.	.	.	.	.	.	.	.	.	.	.	.	.
Paguristes punticeps	=	-	*	=	*	+	+	.	-	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pitho lherminieri	.	.	+	-	=	*	-	=	-	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Petrolisthes galathinus	*	*	*	+	=	=	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Paguristes tortugae	*	*	*	*	=	=	=	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.	.
Pilumnus dasypodus	*	*	*	=	=	=	+	.	.	-	-	.	.	.	.	.	.	-	.	.	.	.	.	.
Pilumnus sayi	*	*	*	*	*	*	*	-	=	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Mithrax (Mithrax) pleuracanthus	*	*	*	*	*	+	+	+	+	*	+	.	.	-	.	.	.	.	.	.	.	-	.	.
Mithrax (Mithraculus) forceps	*	-	*	*	=	=	-	+	=	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Gonodactylus bredini	=	-	*	*	=	=	+	*	*	*	+	-	.	.	.	.	.	.	.	.	.	.	.	.
Macrocoeloma cf. trispinosum	*	+	*	+	*	-	.	-	=	+	+	-	.	.	.	.	.	.	.	.	.	.	.	.
Pilumnus lacteus	=	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pilumnus sp. A	.	=	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Mithrax (Mithrax) hispidus	=	=	*	=	.	-	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Panopeus cf. occidentalis	*	+	+	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Megalobrachium soriatum	*	.	-	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Synalpheus goodei	+	=	.	*	*	.	.	-	.	.	=	.	.	.	.	.	-	.	.	.	.	.	.	.
Sicyonia laevigatus	*	=	.	.	=	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Balanus trigonus	*	=	.	=	.	.	.	.	.	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.
Microphrys antillensis	.	*	=	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Porcellana sayana	.	*	=	.	.	.	.	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Synalpheus sp. A	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pinnixa sp. A	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hepatus pudibundus	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Iozeuma carolinense	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pelia mutica	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Leptochela bermudensis	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Periclimenaeus bredini	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Periclimenes iridescens	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Trachycaris cf. restrictus	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Membranobalanus declivis	*	.	.	.	.	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.
Menippe mercenaria	*	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nikoides schmitti	*	.	.	*	.	.	.	=	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Speloeophorus nodosus	.	*	.	*	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pagurus carolinensis	.	.	.	*	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Synalpheus brooksi	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TABLE L.5. (CONTINUED).

Species	Station																								
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Leptochela serratorbita	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Synalpheus cf. paraneptunus	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Periclimenaeus cf. wilsoni	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Heterocrypta granulata	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Ebalia cariosa	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Paguristes cf. paraguanensis	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Synalpheus cf. bousfieldi	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Synalpheus cf. fritzmulleri	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Calocaris sp. A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.
Anomalothir furcillatus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.
Palicus cf. obesa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.
Pyromaia cuspidata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.
Munida cf. nuda	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
Munida cf. irrasa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
Parthenope pourtalesi	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
Osachila antillensis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	.	.	.	.	.	*
Palicus sica	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.
Anisopagurus bartletti	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.
Cancellus viridis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	*
Processa tenuipes	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	=	.	.
Paguristes cf. moorei	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.
Pyromaia cf. cuspidata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.
Munidopsis sp. A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.
Uroptychus armatus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.
Stenocionops spinimana	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.
Euprognatha rastellifera	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.
Paguristes sp. B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.
Munida irrasa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.
Pylopagurus discoidalis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-	.	.	.	.	*	.	.
Munida simplex	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	*	.	.
Euprognatha gracilipes	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.
Myropsis quinquespinosa	.	.	.	.	.	.	.	.	.	.	.	-	.	.	.	.	-	.	.	.	-	*	.	.
Nanoplax xanthiformis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	-	-	-	*	-	-
Stenocionops spinosissima	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	*	=	.
Paguristes spinipes	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	*	*	=
Solenopagurus lineatus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	*	*	*
Rhodochirus rosaceus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	*	=	=
Nibilia antilocapra	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	=	*
Homola barbata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-	.	.	=	*	+	=	=
Mesopenaeus tropicalis	.	.	.	.	.	.	.	.	.	.	.	.	-	.	.	-	.	-	.	.	*	+	.	=
Iliacantha subglobosa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	*	.	.	.	*	+	.	.
Agaricochirus boletifer	.	.	.	.	.	.	.	.	.	-	.	.	.	.	.	-	*	.	.	.	*	=	.	.
Podochela lamelligera	.	.	.	.	.	.	.	-	.	.	.	.	.	=	=	+	*	.	.	.	*	=	.	.
Calappa angusta	-	.	.	.	.	-	-	-	.	.	-	+	-	.	.	=	*	-	.	.	*	=	-	.

TABLE L.5. (CONTINUED).

Species	Station																										
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Osachila tuberosa	.	.	.	.	.	.	.	.	.	.	.	.	.	-	=	*	*	.	.	-	+	*	.	=
Micropanope sculptipes	.	.	.	.	.	.	.	.	.	.	.	.	.	-	=	+	*	+	=	*	*	*	+	*
Parthenope fraterculus	.	.	.	.	.	.	.	.	.	.	-	=	=	=	=	=	*	+	.	=	-	+	=	=
Periclimenes cf. iridescens	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Batrachonotus fragosus	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Speocarcinus cf. carolinensis	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cronius ruber	.	.	.	.	.	.	.	.	*	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Pagurus sp. A	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Alpheus floridanus	.	.	.	.	.	.	.	.	*	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.
Panope cf. turgidus	.	.	.	.	.	.	.	.	*	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Glyptoplax smithii	.	.	.	.	.	.	.	.	*	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Squilla chydaea	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Mocosoa crebripunctata	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Micropanope sp. A	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	+	.	.	.	.	.	.	.	.
Cryptopodia concava	.	.	.	.	.	.	.	.	=	.	=	.	.	*	.	.	.	.	.	.	.	.	.	.
Pagurus sp. B	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Paguristes sp. A	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Porcellana sp. A	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Scyllarus sp. A	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Calappa cf. ocellata	.	.	.	.	.	.	.	*	.	.	.	=	.	=	.	.	.	.	.	.	.	.	.	.
Micropanope sp. B	.	.	.	.	.	.	.	.	.	.	.	*	.	*	.	.	.	.	.	.	.	.	.	.
Aepinus septenspinosus	.	.	.	.	.	.	.	.	.	.	.	*	.	*	.	.	.	.	.	.	.	.	.	.
Processa vicina	.	.	.	.	.	.	.	.	.	.	.	*	.	*	.	.	.	.	.	.	.	.	.	.
Squilla deceptrix	.	.	.	.	.	.	.	.	.	.	.	*	.	=	.	.	.	.	.	.	.	.	.	.
Micropanope pusilla	.	.	.	.	.	.	.	.	.	.	=	*	.	=	.	.	.	.	.	.	.	.	.	.
Euryplax nitida	.	.	.	.	+	*	*	*	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portunus gibbesi	-	.	.	.	.	*	-	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Sicyonia typica	.	-	.	.	-	*	-	*	=	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Scyllarus americanus	=	.	=	.	=	*	+	*	=	=	.	.	.	.	=	.	.	.	.	.	.	.	.	.
Lobopilumnus agassizi	.	.	.	.	*	*	+	=	+	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Iliacantha intermedia	.	.	.	.	*	=	=	-	=	=	.	-	.	-	-	.	.	.	.	.	.	.	.	.
Parthenope serrata	.	.	.	.	*	=	*	-	.	-	.	-	.	.	.	.	.	.	.	.	.	.	.	.
Synalpheus longicarpus	.	.	.	.	*	=	+	.	.	=	=	.	.	.	.	.	.	.	.	.	.	.	.	.
Macrocoeloma trispinosum	.	.	.	.	.	=	*	=	=	=	=	.	.	.	.	.	.	.	.	.	.	.	.	.
Macrocoeloma trispinosum nodipes	.	.	.	.	.	.	+	=	*	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.
Balanus venustus	=	=	.	.	*	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hepatus epheliticus	=	=	.	.	*	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hypoconcha arcuata	*	.	.	.	*	.	*	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.
Albunea gibbesi	.	.	.	.	.	-	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Persephona aquilonaris	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portunus depressifrons	.	.	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Meiosquilla schmitti	.	.	.	.	.	=	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Synalpheus herricki	.	+	.	.	.	=	+	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Alpheus armillatus	*	.	*	.	.	=	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TABLE L.5. (CONTINUED).

Species	Station																								
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Processa bermudensis	.	.	*	.	.	*	.	*	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.
Tyche emarginata	.	.	*	.	*	.	.	*	=	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.
Ihor floridanus	.	.	*	.	.	.	.	*	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.
Synalpheus cf. townsendi	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Penaeus duorarum	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hippolyte zostericola	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Squilla rugosa	*	.	.	.	.	*	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Periclimenes longicaudatus	.	.	.	.	.	*	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portunus sp. A	.	.	.	.	.	*	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lysmata rathbunae	.	.	.	.	.	*	.	.	.	=	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Synalpheus cf. minus	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pilumnus pannosus	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Paguristes cadenati	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Metapenaeopsis gerardoi	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Platyactaea sp. A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Leptochela papulata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.
Axiopsis sp. A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.
Stilbognathus burryi	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	*	*	.	.	.	.	.
Glyptoxanthus erosus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.
Coralaxius abelei	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.
Pseudosquilla ciliata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	*	.	.	.	.
Alpheus sp. A	.	.	.	.	.	=	.	.	.	=	.	.	.	=	.	.	.	.	.	*	*	.	.	.
Micropanope cf. lobifrons	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	=	.	=	*	.	.	.	.
Euchirograpsus americanus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	=	-	.	*	.	*	.	.
Scyllarus depressus	.	.	.	.	.	.	.	.	.	.	-	.	.	.	.	*	+	=	.	+	=	=	.	.
Macrocoeloma eutheca	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	=	*	.	+	.	.	.	.
Palicus affinis	.	.	.	.	.	.	.	.	.	.	=	.	=	=	=	=	*	+	-	=	=	.	.	.
Palicus faxoni	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	*	*	=	.	.	.	.	.	=
Arachnopsis filipes	.	.	.	.	.	.	.	.	.	.	.	.	.	+	=	*	+	.	.	.	.	.	.	.
Paguristes hernancortezi	.	.	.	.	.	.	.	.	.	.	.	.	*	+	=	*	+	=	.	.	.	.	.	.
Melybia thalamita	.	.	.	.	.	.	.	.	.	.	.	.	.	-	.	.	.	+	=	*	.	.	.	.
Gonodactylus torus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-	=	-	+	=	*	.	.	.	.
Mithrax (Mithrax) acuticornis	.	.	.	.	.	.	.	.	.	-	*	=	=	-	+	=	=	+	+	+	.	.	.	.
Lithadia cadaverosa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.
Cancellus ornatus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.
Sicyonia dorsalis	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.
Calappa gallus	.	.	.	.	.	.	.	.	.	=	.	.	*	.	.	*	.	.	.	.	.	.	.	.
Cycloes bairdi	.	.	.	.	.	.	.	.	.	.	=	*	*	.	.	.	.	.	.	.	.	.	.	.
Podochela sidneyi	.	.	.	.	=	.	.	.	.	.	-	.	*	-	*	.	.	.	.	.	.	.	.	.
Pseudomedaeus distinctus	.	.	.	.	.	.	.	.	.	.	-	.	*	=	.	=	.	.	.	.	.	.	.	.
Podochela curvirostris	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Palicus cf. floridanus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Stenopus scutellatus	.	.	.	.	.	.	.	.	.	*	.	*	.	.	.	.	*	.	.	.	.	.	.	.
Alpheus cf. amblyonyx	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.	.

TABLE L.5. (CONTINUED).

Species	Station																														
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Portunus floridanus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.	.
Munida spinifrons	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	*	*	.	.	.	.	.	.
Meiosquilla quadridens	.	.	.	.	.	.	.	.	.	.	=	=	.	=	.	.	*	=	.	.	.	.	.	.
Lithadia granulosa	.	.	.	.	.	.	.	.	.	.	.	.	*	=	.	.	*	.	.	.	.	.	.	.
Trachycaris restrictus	.	.	.	.	.	.	.	.	.	.	.	=	.	=	*	.	.	=	.	.	.	.	.	.
Diceroscalpellum arietinum	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.	.	.	.	.
Ethusa tenuipes	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	-	.	.	.	.	=	.	.
Scapellum sp. A	.	.	.	.	.	.	.	.	.	.	.	.	.	-	*	.	.	.	.	.	.	.	.	.
Anchistioides antiguensis	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	=	-	-	.	.	.	.	.	.
Solenolambrus tenellus	.	.	.	.	.	.	.	.	.	.	.	*	.	.	=	.	=	.	.	.	.	.	.	.
Solenocera atlantidis	.	.	.	.	.	.	.	.	=	.	=	*	.	+	+	.	=	.	.	.	.	.	.	.
Ranilia muricata	.	.	.	.	.	.	+	.	.	.	.	-	.	*	.	.	-	.	.	.	.	.	.	.
Osachila semilevis	.	.	.	.	.	.	.	.	.	-	.	.	.	*	.	.	-	.	.	.	.	.	.	.
Hypoconcha spinosissima	.	.	.	.	.	.	.	-	.	-	.	-	=	*	+	.	-	.	.	.	.	.	.	.
Speloeophorus pontifer	.	.	.	.	*	=	.	=	*	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Mesorhoea sexspinosa	.	.	.	.	*	=	.	.	*	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.
Portunus spinimanus	.	.	.	.	*	.	=	-	-	.	.	=	.	+	.	.	.	.	.	.	.	.	.	.
Alpheus normanni	.	=	=	.	*	.	.	-	-	-	=	+	.	-	.	.	.	.	.	.	.	.	.	.
Periclimenes americanus	.	.	.	.	+	=	.	*	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.
Tozeuma serratum	.	.	.	=	.	-	.	*	.	-	.	=	.	-	=	.	-	.	.	.	.	.	.	.
Leptochela carinata	.	.	.	.	=	-	.	.	=	=	.	.	.	+	*	.	.	.	.	.	.	.	.	.
Ethusa mascarone americana	.	.	.	.	=	.	.	=	.	=	=	-	.	=	*	.	-	.	.	.	.	.	.	.
Calappa flammea	.	=	.	.	=	=	=	+	*	-	-	+	.	=	.	.	.	.	.	.	.	.	.	.
Pseudomedaeus agassizi	.	.	=	-	=	-	=	=	*	=	=	+	.	.	.	.	.	.	.	.	.	.	.	.
Petrochirus diogenes	.	+	+	.	+	=	=	-	*	=	+	+	=	-	+	.	.	.	.	.	.	.	.	.
Parthenope granulata	.	.	.	.	.	=	.	+	*	=	+	*	=	.	*	.	.	.	.	.	.	.	.	.
Portunus ordwayi	.	.	.	.	-	*	.	=	*	=	=	*	.	-	-	=	-	.	.	.	.	.	.	.
Sicyonia brevirostris	.	.	.	.	.	-	.	-	=	.	.	*	+	-	=	.	.	.	.	.	.	.	.	.
Raninoides loevis	.	.	.	.	.	.	.	.	=	-	.	*	.	-	+	.	.	.	.	.	.	.	.	.
Iridopagurus caribbensis	.	.	.	.	.	=	.	.	-	+	=	+	*	.	=	.	.	.	.	.	.	.	.	.
Dardanus fucosus	.	.	.	.	.	.	.	.	=	-	*	.	=	.	*	.	.	.	.	.	.	.	.	.
Metapenaeopsis goodei	=	=	*	+	+	=	=	+	=	=	=	*	=	.	-	-	-	.	.	.	.	.	.	.
Pagurus brevidactylus	+	+	=	=	*	-	+	=	-	=	*	+	+	-	=	.	.	.	.	.	.	.	.	.
Synalpheus townsendi	*	*	+	+	=	-	=	+	=	=	-	+	.	+	=	-	=	.	.	.	.	.	.	.
Stenorhynchus seticornis	=	-	+	=	*	*	*	+	=	+	*	*	+	+	*	-	=	.	+	-	+	-	-	-
Dromidia antillensis	=	+	+	=	+	=	-	+	+	*	*	+	=	+	+	-	=	-	.	-	.	.	.	.
Paguristes sericeus	=	.	-	.	=	+	*	=	+	+	*	*	*	+	=	-	.	-	.	.	.	.	.	.
Phimochirus holthuisi	.	.	.	.	-	=	=	+	+	+	+	*	*	+	+	*	-	=	-	-	.	.	.	.
Synalpheus pandionis	=	.	.	*	.	.	=	-	-	+	*	.	=	-	.	=	=	-	.	.	.	.	.	.
Stenocionops furcata coelata	.	.	.	.	.	.	.	=	.	*	*	=	=	-	.	=	=	-	.	=	.	.	.	.
Micropanope laevimanus	.	.	.	.	.	.	.	.	-	+	*	*	=	=	+	.	=	-	.	.	.	.	.	=
Stenocionops furcata furcata	-	.	.	.	-	.	.	.	=	=	+	=	+	=	*	-	=	.	.	.	.	.	.	.
Scyllarus chacei	.	.	.	.	+	.	.	.	=	=	+	*	*	*	*	+	.	=	.	.	.	.	.	.
Pilumnus floridanus	.	.	.	-	.	-	-	.	=	+	*	+	+	+	+	.	.	.	.	.	.	.	.	.

TABLE L.5. (CONTINUED).

Species	Station																								
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Manucomplanus corallinus	.	.	.	.	.	.	=	=	=	-	-	=	*	*	*	-	-	.	.	.	.	.	.	.
Synethis variolosa	.	.	.	.	.	.	.	.	-	-	-	-	=	*	*	-	-	-	.	.	.	.	.	.
Collodes trispinosus	.	.	.	.	.	.	=	=	=	.	.	+	+	+	*	.	-	.	.	.	=	.	.	.
Palicus alternatus	.	.	.	.	.	.	.	=	=	-	+	*	=	=	+	.	.	.	.	.	.	.	.	.
Iliacantha sparsa	.	.	.	.	.	.	.	.	.	-	=	+	+	*	*	.	.	.	.	.	.	.	.	.
Portunus spinicarpus	.	.	.	.	.	-	=	-	-	.	.	*	+	-	+	=	=	.	.	.	=	.	.	.
Parthenope agona	.	.	.	.	.	.	.	.	.	.	.	+	=	=	*	=	-	.	.	.	-	+	.	.
Callidactylus asper	.	.	.	.	.	.	.	.	-	.	-	*	+	+	*	-	.	.	.	.	.	.	.	.
Galathea rostrata	.	.	.	.	.	.	.	.	-	.	=	*	-	-	*	=	-	-	-	.	.	.	.	-
Munida angulata	.	.	.	.	.	.	.	.	.	-	=	*	.	=	*	-	.	+	-	-	.	.	.	.
Podochela gracilipes	.	.	.	.	=	.	.	.	.	.	.	*	=	+	*	=	-	-	.	.	.	.	.	.
Macrocoeloma septemspinosum	.	.	.	.	.	.	.	.	.	.	=	*	=	*	+	*	=	.	.	.	.	.	.	.
Munida pusilla	.	.	.	.	.	.	.	.	.	.	.	=	.	+	*	*	+	=	.	-	=	.	.	-
Carpoporus papulosus	.	.	.	.	.	.	.	.	.	.	-	=	.	+	*	*	+	.	.	.	-	.	.	.
Dardanus insignis	.	.	.	.	.	.	.	.	.	.	.	-	=	-	=	*	-	-	.	.	.	.	.	.
Paguristes triangulatus	.	.	.	.	.	.	.	.	.	.	-	-	*	=	+	=	-	.	.	.	.	.	.	.
Pagurus bullisi	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Periclimenes harringtoni	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Ebalia cf. stimpsoni	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Alpheus formosus	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Alpheus armatus	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Dardanus venosus	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Paguristes cf. puncticeps	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Neopisosoma angustifrons	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Panoplax depressa	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Scyllarides nodifer	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Synalpheus bousfieldi	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Synalpheus cf. disparodigitus	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Paractaea rufopunctata nodosa	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Parapetrolisthes tortugensis	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Pachycheles ackleianus	.	.	.	.	.	.	.	.	.	-	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Pachycheles rugimanus	.	.	.	.	.	.	.	.	.	.	*	=	=	.	=	.	.	.	.	.	.	.	.	.

Stations are listed from left to right in order of increasing water depth (except Stations 10, 11, 23, 29, and 30--ordered primarily by latitude and secondarily by depth). Species are ordered on the basis of inverse cluster analysis results.

Original data in the table were relative frequency of occurrence values (number of dredge samples in which the species occurred divided by the total number of dredges taken at that station). Values were then scaled by row maximum and grouped as indicated by the following symbols:

TABLE L.5. (CONTINUED).

"." indicates no occurrence
"-" indicates 0 to 25% of row maximum
"=" indicates 25 to 50% of row maximum
"+" indicates 50 to 75% of row maximum
"*" indicates 75 to 100% of row maximum

TABLE L.6. OCCURRENCES OF ECHINODERM SPECIES IN DREDGE SAMPLES FROM LIVE-BOTTOM STATIONS.

Species	Station																													
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Ophioplax sp. B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	*	+
Pectinaster mixtus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	+	*	=
Asteroschema sp. B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	*	=
Ophioplax sp. A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-	-	*	*
Ophiomusium sp. A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	-	*	*
Crinometra brevipinna	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*
Ophiolepis sp. B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-	*
Rosaster alexandri	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	-	.
Leptonemaster venustus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	-	.	*
Neocomatella pulchella	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	*	=	*
Comactinia meridionalis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-	-	*	*	.	*
Asteroschema sp. A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.
Asteroporpa annulata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-	*	.	.	=
Ophiopaepale goesiana	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	*	*	.
Coelopleurus floridanus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	*	=
Ophiomusium sp. B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.
Clypeaster ravenelii	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.
Pseudocolochirus mysticus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
Ophiacanthella troscheli	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
Stylometra spinifera	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
Lytechinus euerces	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	=	.	.	.	.	.	*
Tosia parva	.	.	.	.	.	.	.	-	.	.	.	.	.	-	+	*	=	=	.	.	+	+	=	+
Echinolampas depressa	.	.	.	.	.	.	.	.	.	.	.	-	.	*	*	-	-	-	.	.	+	*	*	+
Stylocidaris affinis	.	.	.	.	.	.	.	.	.	.	.	.	.	-	=	*	*	=	.	=	=	*	*	*
Ophiomyxa flaccida	.	.	.	.	.	.	.	.	.	.	.	.	-	*	*	+	*	+	+	=	.	-	=	=
Ophiostigma isocantha	=	.	.	*	=	-	.	-	-	.	=	*	=	*	=	*	-	-	.	.	.	.	.	.
Genocidaris maculata	.	.	.	.	.	.	.	.	.	.	-	*	=	*	+	-	-	=	-	.	-	.	.	.
Eucidaris tribuloides tribuloides	.	.	.	.	.	.	.	.	.	.	-	-	+	*	*	+	-	-	=	.	.	.	.	.
Goniaster tessellatus	.	.	.	.	.	.	.	.	.	.	-	=	=	*	*	.	.	=	.	.	.	.	.	.
Narcissia trigonaria	.	.	.	.	.	.	.	.	.	.	.	=	+	.	*	=	.	.	.	=	.	.	.	.
Astropecten duplicatus	-	.	.	.	-	=	*	+	=	=	-	=	=	*	*	.	.	.	.	.	=	-	.	.
Ophiolepis elegans	.	.	.	.	+	+	*	*	*	-	-	-	=	*	*	+	.	-	.	.	=	.	.	.
Ophioderma brevispinum	.	=	=	.	.	-	-	=	-	-	=	.	.	*	+	.	-	=	-	.	-	-	.	.
Ophiothrix angulata	*	*	*	*	+	=	=	+	*	=	*	*	+	+	*	*	*	*	=	-	=	=	*	=
Arbacia punctulata	*	=	+	=	=	-	.	*	+	=	*	*	-	.	+	=	.	=	+	-	.	.	.	.
Lytechinus variegatus carolinus	*	+	+	.	-	=	+	*	*	=	*	-	.	=	-	.	.	.	.	.	.	.	.	.
Clypeaster subdepressus	+	=	-	*	=	*	+	=	+	*	*	-	=	=	=	.	.	.	.	.	.	.	.	.
Ophioderma appressum	.	.	.	.	.	.	.	.	.	+	*	=	.	-	.	=	-	+	=	.	=	.	.	=
Ophiothrix suensonii	*	.	.	*	=	-	.	.	-	=	-	.	.	.	.	.	.	.	-	.	.	.	.	-
Astrophyton muricatum	=	.	=	+	*	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	.	.
Isostichopus badionotus	.	.	*	*	=	+	=	+	*	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.
Encope michelini	+	.	.	.	*	=	=	.	.	.	.	.	.	-	.	.	.	.	.	.	.	.	.	.
Luidia alternata	+	=	.	.	*	*	=	=	*	-	-	=	.	=	.	.	.	.	.	.	.	.	.	.

TABLE L.6. (CONTINUED).

Species	Station																										
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Encope aberrans	-	.	.	.	+	=	-	-	*	.	.	.	.	-	.	.	.	.	.	.	.	.	.	.
Echinaster sentus	.	*	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Clypeaster rosaceus	.	=	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Echinaster spinulosus	+	-	.	.	.	.	=	*	.	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.
Ocnus pygmaeus	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Ophionereis reticulata	*	=	.	.	.	-	.	.	.	.	.	.	.	.	.	=	.	+	=	.	.	.	.	.
Ophioderma cinereum	*	.	=	*	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Ophiactis nulleri	*	=	+	+	.	.	.	.	.	.	.	.	=	.	.	.	.	.	*	+	.	.	.	.
Echinaster sp. A	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Clypeaster cyclopilus	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Clypeaster prostratus	.	.	.	.	.	.	.	.	.	.	.	-	.	*	.	.	.	.	.	.	.	.	.	.
Pseudothyone belli	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Ophiactis algicola	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Thyonella sabanillaensis	.	.	.	.	.	=	*	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.
Astichopus multifidus	.	.	.	.	.	=	*	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Amphiodia trychna	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Oreaster reticulatus	.	.	.	=	=	-	*	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Holothuria surinamensis	.	=	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Thyonella pervicax	.	.	.	.	-	*	*	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Astropecten articulatus	.	.	.	.	=	*	*	+	.	.	.	=	.	*	*	.	.	.	.	.	.	.	.	.
Ophioderma brevicaudum	.	.	.	.	.	=	*	=	*	=	=	.	.	*	*	.	=	.	.	.	.	.	.	.
Clypeaster lutkeni	.	.	.	.	.	.	*	.	.	=	=	-	=	=	=	.	.	.	.	.	.	.	.	.
Pentamera pulcherrima	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.
Ophiopsila hartmeyeri	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	=	.	.	.	.	.
Sclerasterias contorta	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.
Amphiura fibulata	.	.	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.
Astropecten comptus	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Meoma ventricosa	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.
Lytechinus variegatus	.	.	.	*	.	.	.	=	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.
Luidia clathrata	.	.	.	.	*	=	.	=	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.
Asterina folium	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	=	.	.	.	+	.
Ophionereis olivacea	.	.	.	.	.	.	.	.	.	.	.	-	=	.	.	.	.	*	*	.	.	.	=	.
Ophioderma rubicundum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	-	+	*	*	.	.	.	.
Poraniella regularis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	*	*	*	-	.	.	.	.
Chaetaster nodosus	.	.	.	.	.	.	.	.	.	.	.	.	=	.	.	.	*	.	.	=	.	.	.	.
Ophiophragmus pulcher	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Asterinopsis pilosa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Psolus tuberculosus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Tethyaster grandis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Ophiothrix lineata	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Henricia antillarum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.	.
Hypalometra defecta	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	=	.	.	.	.	.	.	.
Echinaster modestus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	=	.	.	.	.	.	.	.
Luidia sagamina	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	*	.	=	.	.	.	.	.	.

TABLE L.6. (CONTINUED).

Species	Station																								
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Ceramaster grenadensis	.	.	.	.	.	.	.	.	.	.	.	=	.	=	.	*	.	=	.	.	.	.	.	.
Holothuria princeps	.	.	.	.	.	*	.	=	.	.	.	.	.	=	.	*	.	.	.	.	.	.	.	.
Ophioderma sp. 1	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	*	=	=	=	.	.	.	.	.
Ophiactis savignyi	.	.	.	.	.	=	*	.	.	.	.	=	.	.	.	*	.	.	*	.	.	.	.	.
Ophiopsila riisei	.	.	.	.	.	+	.	=	.	=	.	=	.	.	.	.	.	=	*	.	.	.	.	.
Diadema antillarum	.	.	.	.	.	.	.	.	.	-	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Ophiocoma pumila	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Ophiacantha littoralis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Ophiozona (sensu lato) n. sp.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Lytechinus williamsi	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Thyone pawsoni	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Ophiolepis sp. A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.
Ophioderma phoenium	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	*	.	.	*	.	.
Centrostephanus longispinus rubricingulus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.
Ophiocoma wendti	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Ophidiaster guildingii	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.
Lytechinus variegatus variegatus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.
Comactinia echinoptera	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	=	*	.	.	.	.
Solaster caribbaeus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	*	.	.	.	.
Nemaster discoidea	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	.	.	.	.
Analcidometra armata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.

Stations are listed from left to right in order of increasing water depth (except Stations 10, 11, 23, 29, and 30--ordered primarily by latitude and secondarily by depth). Species are ordered on the basis of inverse cluster analysis results.

Original data in the table were relative frequency of occurrence values (number of dredge samples in which the species occurred divided by the total number of dredges taken at that station). Values were then scaled by row maximum and grouped as indicated by the following symbols:

"." indicates no occurrence
"-" indicates 0 to 25% of row maximum
"=" indicates 25 to 50% of row maximum
"+" indicates 50 to 75% of row maximum
"*" indicates 75 to 100% of row maximum

TABLE L.7. OCCURRENCES OF GASTROPOD SPECIES IN DREDGE SAMPLES FROM LIVE-BOTTOM STATIONS.

Species	Station																								
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Cassis madagascariensis spinella	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Calotrophon andrewsi	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Greilada n. sp.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Hypselodoris nyalva	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Lucapina eolis	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Murexiella levicula	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Murexiella macgintyi	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Persicula pulcherrima	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Pleurobranchus areolatus	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Stigmaulax sulcatus	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Trivia quadripunctata	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Vexillum albocinctum	.	.	.	.	.	.	.	.	.	=	*	=	.	.	.	.	.	.	.	.	.	.	.	.
Lucapina aegis	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Bornella calcarata	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Tylodina americana	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Cymatium labiosum	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Muricopsis oxytata	.	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.	.	*	.	.	.	.	.
Platydoris angustipes	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	*	.	.	.	.	.
Coralliophila abbreviata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Aplysia parvula	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Haliotis pourtalesii	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Conus flamingo	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Turbo cailletti	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Dolabrifera dolabrifera	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Conus rainesae	.	.	.	.	.	.	.	.	.	.	.	=	.	*	.	.	.	.	.	.	.	.	.	.
Crucibulum striatum	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.	.	.	.	.
Calliostoma marionae	.	.	.	.	.	.	.	.	.	.	.	=	+	*	+	.	.	.	.	.	.	.	.	.
Distorsio clathrata	.	.	.	.	.	.	.	.	.	.	.	-	=	=	*	.	.	.	.	.	=	.	.	.
Hyalina avena	.	.	.	.	.	.	.	.	.	.	.	-	.	=	=	.	-	.	.	.	*	.	.	.
Conus stimpsoni	.	.	.	.	.	.	.	.	.	.	.	.	.	*	=	.	*	.	.	.	.	.	.	.
Crucibulum planum	.	.	.	.	.	=	.	=	.	.	*	=	.	=	*	.	.	.	.	.	.	.	.	.
Trivia maltbiana	.	.	.	.	.	.	.	.	.	.	+	*	.	=	=	.	-	.	.	.	.	.	=	.
Fusinus helenae	.	.	.	.	.	.	.	.	+	.	=	*	.	+	+	.	.	.	.	.	.	.	.	.
Scaphella junonia	.	.	.	.	.	.	.	.	*	=	=	*	.	=	.	.	.	.	.	.	.	.	.	.
Cymatium krebsii	.	.	.	.	.	.	.	.	.	.	.	-	.	-	*	.	-	.	.	.	.	.	.	.
Phalium granulatum	.	.	.	.	.	.	.	-	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.
Fasciolaria lilium tortugana	.	.	=	.	.	+	.	+	+	.	.	=	.	-	*	.	.	.	.	.	.	.	.	.
Crassispira bartschi	.	.	.	.	.	.	.	.	.	.	.	*	.	.	*	.	.	.	.	.	.	.	.	.
Cymatium moritinctum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.
Carinodrillia haliostrephis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.
Lucapinella limatula	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.
Diodora sayi	.	.	.	.	.	.	.	=	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.
Trigonostoma tenerum	.	.	.	.	.	.	.	.	.	.	.	.	*	=	*	*	.	.	.	.	.	.	.	.

TABLE L.7. (CONTINUED).

Species	Station																														
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Chicoreus n. sp. 1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.	.	.	.
Fusinus timessus	.	.	.	.	.	.	.	.	.	.	.	.	*	=	*	.	.	.	.	.	.	*	.	.
Conus delessertii	.	.	.	.	.	.	.	*	.	.	.	=	*	.	.	.	.	.	.	.	.	.	.	.
Murex anniae	.	.	.	.	.	.	.	.	*	.	.	*	*	.	.	.	=	.	.	.	.	.	.	.
Niso hendersoni	.	.	.	.	.	.	.	.	.	.	.	-	*	.	=	.	.	-	.	.	.	.	.	.
Cancellaria n. sp.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.
Cantharus n. sp.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.
Calliostoma roseolum	.	.	.	.	.	.	.	.	.	.	.	.	*	=	.	.	.	=	.	.	.	.	.	.
Tugurium caribaeum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.
Fasciolaria bullisi	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.
Architectonica nobilis	.	.	.	.	.	.	.	.	.	.	.	.	*	.	*	.	.	.	.	.	*	.	.	.
Anaea retifera	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	*	.	.	.
Murex tryoni	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	*	.	.
Antillophos candei	.	.	.	.	.	.	.	.	.	.	.	.	-	.	.	.	.	.	.	.	.	*	.	.
Distorsio constricta macgintyi	.	.	.	.	.	.	.	.	.	.	-	.	=	.	.	.	.	.	.	.	=	*	.	=
Calliostoma tampaense	.	.	.	.	.	.	+	.	.	+	=	=	+	*	=	.	.	.	-	.	.	.	.	.
Conus amphiurgus	.	.	.	.	.	-	.	.	.	=	=	.	*	=	.	=	-	-	-	.	.	.	.	.
Vermicularia spirata	.	.	.	.	.	=	.	.	.	-	-	=	.	=	*	+	=	-	-	.	.	.	.	.
Cypraea spurca acicularis	.	.	.	.	.	.	.	.	.	.	*	=	+	+	+	+	.	=	=	.	.	.	.	.
Murex bellegladensis	.	.	.	.	.	-	.	.	-	.	-	*	*	*	=	.	+	-	.	.	=	.	.	.
Fusinus eucosmius	.	.	.	.	.	.	.	.	-	.	*	-	.	*	*	.	+	=	.	.	=	=	.	=
Xenophora conchyliophora	.	.	.	=	=	-	.	-	+	=	=	-	+	.	*	.	-	.	.	.	.	.	.	.
Murex cabritii	.	.	.	.	.	=	.	.	-	=	.	=	*	=	*	=	.	.	.	.	+	.	.	.
Polystira albida	.	.	.	.	.	.	.	.	.	.	*	.	*	-	+	.	.	.	.	.	.	.	.	.
Turritella exoleta	.	.	.	.	.	.	.	.	.	.	=	*	+	+	*	.	+	=	.	.	.	.	.	.
Turritella acropora	.	.	.	.	.	=	+	-	+	*	=	*	-	+	*	.	=	-	.	.	.	.	.	.
Vermicularia knorii	*	=	-	=	=	=	.	-	+	=	-	-	-	+	+	-	=	-	.	.	.	.	.	.
Chicoreus florifer	+	-	=	*	=	=	-	-	*	-	=	=	=	.	.	.	.	-	.	.	.	.	.	.
Murex rubidus	=	+	.	.	+	+	=	.	=	=	*	*	.	*	=	.	-	-	.	.	.	.	.	.
Oliva circinata	-	-	.	.	-	*	*	=	*	+	-	=	-	-	*	.	.	.	.	.	.	.	-	.
Turbo crenulatus	.	.	.	.	=	.	.	-	+	.	.	.	.	*	.	=	.	*	.	=	=	.	.	.
Dendrodoris krebsii	*	.	.	.	.	.	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.
Splendrillia n. sp.	.	.	.	.	.	=	.	.	.	.	.	=	.	.	.	.	*	.	.	.	.	.	.	.
Diodora minuta	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Conus spurius atlanticus	.	*	.	.	.	.	.	.	.	*	=	*	.	.	.	.	.	.	.	.	.	.	.	.
Nassarius consensus	.	*	.	.	.	=	.	.	-	*	-	*	=	.	.	.	.	.	.	.	.	.	.	.
Trivia pediculus	.	.	*	.	=	.	.	=	.	=	*	*	.	.	=	.	.	-	.	.	.	.	.	.
Latirus cariniferus	.	=	*	*	.	.	.	.	-	=	=	-	.	.	.	.	.	.	.	.	.	.	.	.
Cerithium litteratum semiferruginea	.	.	.	.	.	-	.	.	.	-	.	.	.	.	.	.	.	.	*	.	.	=	.	.
Astraea phoebia	.	.	.	.	.	.	.	.	.	=	.	.	.	.	.	.	.	*	.	.	.	=	.	.
Oliva cf. circinata	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Calliostoma euglyptum	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cypraea cervus	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Crassispira tampaensis	.	.	.	.	.	.	.	=	.	*	.	.	.	=	.	.	.	.	.	.	.	.	.	.

TABLE L.7. (CONTINUED).

Species	Station																										
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Splendrillia roseri	.	.	.	.	+	=	.	.	*	+	.	.	.	.	.	.	=	=	.	.	.	.	.	.
Prunum roosevelti	.	.	.	*	.	=	.	.	=	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Latirus macgintyi	.	.	*	.	.	.	.	.	*	=	.	.	.	.	.	.	.	.	=	.	.	.	.	.
Coralliophila scalariformis	.	.	-	.	.	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Fasciolaria lilium	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.
Conus n. sp.	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.
Splendrillia janetae	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Calyptraea centralis	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hypselodoris edenticulata	.	.	.	.	.	*	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Haminoea succinea	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cerithium floridanum	.	.	.	.	.	*	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Ficus carolae	.	.	.	.	.	*	.	.	*	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Cavolinia tridentata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.
Anisodoris worki	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.
Chicoreus n. sp. 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.
Cypraea cinerea	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.
Cypraecassis testiculus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.
Cryoturris citronella	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Crassispira cubana	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Terebra glossema	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Terebra dislocata	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Calliostoma jujubinum	.	=	.	.	*	.	.	.	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.
Lucapina suffusa	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Diodora listeri	*	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Latirus angulatus	.	.	.	*	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Crassispira ostrearum	.	.	.	*	*	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.
Conus stearnsi	.	.	.	*	=	.	.	.	.	.	.	.	.	-	.	.	.	.	.	.	.	.	.	.
Discodoris sp. A	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Calliostoma pulchrum	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Glyphostoma gabbii	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Pleurobranchaea hedgpethi	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Marginella hematita	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Cymatium pharcidum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Olivella watermani	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Terebra floridana	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Natica perlineata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.
Cyphoma gibbosum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.
Prunum anabilis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-	.	.	=	*	.
Phos beaui	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	=	.
Siliquaria squamata	.	.	.	.	.	.	.	.	.	-	.	.	.	.	.	-	-	-	+	*	.	.	-	+
Siliquaria modesta	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-	-	+	.	.	=	*
Prunum n. sp.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*
Emarginula tuberculosa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
Diodora jaumei	.	.	.	.	.	.	.	.	=	.	=	=	.	.	.	.	.	.	.	.	.	.	.	*

TABLE L.7. (CONTINUED).

Species	Station																								
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Serpulorbis decussatus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	*	.	.	*
Petaloconchus erectus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	*	=
Niso n. sp.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.
Fusinus stegeri	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.
Polystira tellea	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.
Xenophora caribbaea	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.
Terebra onslowensis	.	.	.	.	*	*	*	.	.	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.
Conus floridanus	.	.	.	.	*	*	-	-	=	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.
Fasciolaria tulipa	=	*	.	=	.	.	=	-	.	.	.	-	.	.	=	.	.	.	.	.	.	.	.	.
Nassarius floridensis	.	.	=	=	*	.	=	-	.	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.
Phyllonotus pomum	*	=	.	=	*	=	=	-	.	.	.	-	.	.	.	.	=	.	.	.	.	.	.	.
Cantharus multangulus	=	.	.	=	=	+	.	*	=	.	.	.	.	.	.	.	.	.	-	.	.	.	.	.
Diodora dysoni	.	.	.	.	*	.	=	*	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cerithium atratum	+	=	*	+	+	=	.	-	.	-	.	.	.	.	.	.	.	.	-	.	.	.	.	.
Strombus costatus	.	=	+	+	*	*	*	=	.	=	-	.	-	.	.	.	.	.	.	.	.	.	.	.
Strombus alatus	=	*	.	=	*	*	+	.	-	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Crepidula aculeata	*	*	*	*	=	.	+	.	=	-	.	.	.	.	.	.	.	.	.	.	.	.	.	-
Diodora cayenensis	+	.	.	*	=	-	*	.	=	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cancellaria reticulata	*	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Bailya intricata	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Colubraria lanceolata	.	.	.	.	*	=	*	=	.	=	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Favartia cellulosa	.	.	.	.	.	*	*	=	*	=	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Naticarius canrena	*	*	.	.	.	*	*	.	=	*	.	*	.	=	*	.	.	.	.	.	.	.	.	.
Cirsotrema dalli	.	.	.	.	.	.	*	*	=	*	.	*	.	.	*	.	.	.	.	.	.	.	.	.
Modulus modulus	.	.	.	.	.	=	*	=	.	.	.	.	.	.	.	.	.	.	=	.	.	.	.	.
Cerithium eburneum	.	.	.	.	.	=	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Polinices lacteus	.	.	.	.	*	=	*	=	=	.	.	.	.	=	*	.	.	.	.	.	.	.	.	.
Crucibulum auricula	.	.	.	.	.	.	*	.	=	.	.	.	*	.	*	.	.	.	.	.	.	.	.	.
Lamellaria leucosphaera	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Bulla umbilicata	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Turbo castaena	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Crepidula maculosa	.	*	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Crassispira leucocyma	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Trivia suffusa	.	*	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pisania tincta	=	*	=	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pleuroploca gigantea	*	*	*	+	.	.	.	-	-	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.
Fasciolaria hunteria	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Crepidula plana	=	*	=	.	.	=	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Leucozonia nassa	.	*	=	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Glossodoris edenticulata	.	*	=	=	.	.	.	.	-	.	.	.	.	.	.	=	.	.	.	.	.	.	.	.
Calotrophon ostrearum	.	*	.	.	=	-	.	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Conus jaspideus	.	*	=	.	.	*	.	.	-	-	.	-	.	.	.	.	.	.	.	.	.	.	.	.
Chicoreus dilectus	.	*	+	.	.	-	.	.	-	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lamellaria perspicera	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TABLE L.7. (CONTINUED).

Species	Station																								
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Murex florifer	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Prunum carneum	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Crepidula fornicata	.	.	*	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Crassispira sanibelensis	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Busycon contrarium	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cymatium parthenopeum	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Doris verrucosa	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Epitonium angulatum	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tonna galea	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Stations are listed from left to right in order of increasing water depth (except Stations 10, 11, 23, 29, and 30--ordered primarily by latitude and secondarily by depth). Species are ordered on the basis of inverse cluster analysis results.

Original data in the table were relative frequency of occurrence values (number of dredge samples in which the species occurred divided by the total number of dredges taken at that station). Values were then scaled by row maximum and grouped as indicated by the following symbols:

"." indicates no occurrence
"-" indicates 0 to 25% of row maximum
"=" indicates 25 to 50% of row maximum
"+" indicates 50 to 75% of row maximum
"*" indicates 75 to 100% of row maximum

TABLE L.8. OCCURRENCES OF SPONGE SPECIES IN DREDGE SAMPLES FROM LIVE-BOTTOM STATIONS.

Species	Station																								
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Spirastrella coccinea	.	.	.	.	.	-	.	.	=	*	*	=	-	.	=	-	.	.	-	.	.	.	.	.
Iotrochota birotulata	.	.	.	.	.	.	.	-	-	*	*	-	.	.	*	.	.	.	.	.	.	.	.	.
Anthosigmella varians v. incrustans	.	.	.	.	.	.	.	.	-	+	=	*	.	.	=	.	.	.	.	.	.	.	.	.
Siphonodictyon siphonum	.	.	.	.	.	-	.	.	.	-	+	*	=	.	-	.	.	.	.	.	.	.	.	.
Tethya actinia	.	.	.	.	.	.	.	.	.	=	+	*	=	+	.	.	.	.	.	=	.	.	.	.
Scolopes megastra	.	.	.	.	.	.	.	.	.	-	*	.	.	.	.	.	-	.	-	.	.	.	.	.
Pseudaxinella rosacea	.	.	.	.	.	.	.	.	*	+	=	.	.	.	.	.	.	.	.	.	.	.	.	.
Microciona prolifera	.	.	.	.	.	.	.	=	=	=	*	=	.	.	.	.	=	.	.	.	.	.	.	.
Spinosella plicifera	.	.	.	.	.	.	.	.	.	*	+	-	=	.	.	.	.	.	+	.	.	.	.	.
Aplysina lacunosa	.	.	.	.	.	.	.	.	.	-	-	.	.	.	.	.	.	.	*	.	.	.	.	.
Leucetta ?floridana	.	.	.	.	.	.	=	.	.	.	-	-	=	.	.	.	-	.	*	*	.	.	.	.
Spinosella vaginalis v. vaginalis	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chondrosia reniformes	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spinosella vaginalis v. armigera	.	.	.	.	.	.	*	.	.	=	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Halichondria ?magniconulosa	.	.	.	.	.	.	*	.	.	=	=	.	.	.	.	.	.	.	.	.	.	.	.	.
Halichondria melanadocia	.	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.
Tedania ignis	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Niphates digitalis	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Teichaxinella corrugata	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Coelosphaera fistula	.	.	.	.	.	.	.	.	.	.	-	.	=	.	*	.	.	.	.	.	.	.	.	.
Dysidea fragilis	.	.	.	.	.	.	.	-	.	.	.	.	.	.	*	=	.	-	-	.	.	.	.	.
Lissodendoryx isodictyalis	.	=	.	.	.	.	.	-	.	.	-	-	*	.	=	=	.	.	-	.	.	.	.	.
Aplysina fistularis v. fistularis	.	.	.	.	.	=	.	.	.	.	.	.	.	.	*	.	.	.	*	*	.	.	.	.
Spinosella vaginalis v. eschrichti	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.
Teichaxinella shoemakeri	.	.	.	.	.	.	.	.	-	.	-	-	.	.	.	=	+	=	.	*	.	=	.	.
Erylus formosus	.	.	.	.	.	.	.	.	.	.	-	.	.	.	-	+	=	.	.	*	.	.	.	.
Geodia neptuni	-	.	.	.	.	.	.	.	.	.	.	=	-	.	*	*	*	-	+	=	.	=	.	.
Cliona schmidti	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	=	=	-	.	.	.	.
Phakellia folium	.	=	=	.	.	.	.	=	+	+	-	*	.	.	.	=	.	+	.	.	=	.	.	.
Teichaxinella morchella	.	.	.	.	.	-	.	.	-	.	-	-	.	.	.	*	-	-	.	.	=	.	.	.
Myriastra ?crassispicula	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	*	.	.	.	.	.	.	.
Cliona celata	.	.	.	.	.	=	=	.	*	-	.	.	*	.	.	.	.	.	.	=	.	.	.	.
Oxeostilon burtoni	.	-	.	.	-	=	=	+	*	=	-	-	.	.	.	.	-	.	.	.	.	.	.	.
Axinella polycapella	=	.	.	+	=	-	.	+	*	=	.	-	.	-	.	.	.	.	-	-	.	.	.	.
Homaxinella rudis	.	.	.	.	.	=	.	=	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dysidea etherea	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Stylocordyla ?longissima	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	.	.	-	*	-	=
Pachastrella ?monilifera	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	=	*
Aulocystis zittelii	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.
Dactylocalyx pumiceus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.
Halisarca purpura	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Pellina ?carbonaria	.	.	.	.	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	*	.	.	.	.

TABLE L.8. (CONTINUED).

Species	Station																														
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Aplysina fistularis	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.
Agelas ?sceptrum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.
Laxosuberites coerulea	.	.	*	.	.	.	.	.	.	.	=	.	.	.	.	.	.	=	.	*	.	.	.	*
Lissodendoryx sigmata	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chondrosia sp. A	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Crylus trisphaera	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	*	.	.	.	.	.
Agelas ?dispar	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Xestospongia subtriangularis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	*	.	.	.	.	.
Ulosa ruetzleri	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tethya crypta	*	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nepheliospongiidae sp. A	*	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cliona delitrix	.	.	*	*	.	-	.	.	*	+	-	.	.	.	.	.	.	.	.	.	.	.	.	.
Hippospongia lachne	.	.	=	*	.	.	=	.	.	*	-	.	.	.	.	.	.	.	.	.	.	.	.	.
Higginsia strigilata	+	.	.	*	.	.	.	+	+	.	.	=	.	.	.	.	=	=	.	.	.	.	.	.
Terpios fugax	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Ptilocaulis ?spiculifer	.	.	.	*	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Myriastra kallitetilla	=	.	=	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Suberites sp. A	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hymeniacidon amphilecta	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spongia tubulifera	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pandaros acanthifolium	*	*	.	.	*	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Rhizochalina oleracea	*	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Neofibularia nolitangere	.	+	=	*	.	.	.	.	.	*	+	.	+	.	=	-	-	-	-	.	.	.	.	.
Hyattella intestinalis	.	*	=	+	.	.	.	.	.	+	+	.	.	.	+	*	-	-	.	-	.	.	.	.
Placospongia melobesioides	*	*	*	+	.	=	-	-	*	*	*	*	*	.	-	*	+	+	-	-	.	.	.	.
Cinachyra alloclada	*	+	*	*	*	=	-	*	*	*	*	*	+	-	*	=	=	.	-	-	.	.	.	.
Ircinia strobilina	=	+	*	+	=	-	.	.	-	=	*	=	=	.	+	*	*	=	=	=	-	=	.	.
Aiolochroia crassa	+	=	-	=	+	=	=	-	.	*	*	=	-	.	=	-	.	.	-	.	.	.	.	.
Aplysina fistularis v. fulva	*	-	=	*	=	-	-	.	.	*	=	=	=	.	-	-	.	.	-	.	.	.	.	.
Niphates erecta	*	+	-	*	-	=	.	.	.	*	*	+	=	.	.	.	.	-	-	-	.	.	.	.
Anthosigmella varians	*	*	*	*	*	*	*	.	-	*	*	=	=	.	=	-	.	-	.	.	.	.	.	.
Geodia gibberosa	*	*	*	*	*	*	*	.	.	*	*	-	.	.	.	+	-	.	-	.	.	.	.	.
Haliclona compressa	*	*	*	=	*	=	*	.	.	=	=	.	.	.	-	.	.	-	-	-	.	.	.	.
Homaxinella waltonsmithi	*	+	=	+	=	-	-	+	*	+	+	-	.	.	.	.	.	.	.	.	.	.	.	.
Pseudaxinella lunaecharta	+	*	*	*	.	-	.	-	+	=	-	-	.	.	.	.	.	.	-	-	.	.	.	.
Spheciospongia vesparium	*	*	*	*	=	=	=	.	-	+	+	=	-	.	.	.	.	.	-	.	.	.	.	.
Ircinia campana	*	*	*	+	.	-	.	.	.	=	+	-	.	.	.	.	.	.	-	.	.	.	.	.
Ircinia felix	*	*	*	+	-	-	.	.	.	-	-	-	-	.	.	-	-	.	.	.	.	.	.	.
Cinachyra kuekenthali	*	*	*	*	.	.	.	.	-	=	-	.	.	.	.	.	.	.	.	.	.	.	.	.
Axinella bockhouti	+	*	*	*	=	.	.	.	-	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Igernella notabilis	+	*	*	*	=	.	-	.	.	.	-	.	.	.	-	.	.	.	.	.	.	.	.	.
Epipolasis lithophaga	*	*	*	*	+	-	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Haliclona viridis	.	*	*	-	-	.	-	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TABLE L.8. (CONTINUED).

Species	Station																					
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Chondrilla nucula	*	=	*	*	.	.	.	.	-	-	.	.	.	.	.	.	.	.	.	*	.	.	.	.
Timea mixta	.	=	*	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Thalysias juniperina	+	*	+	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Hemectyon pearsei	-	*	+	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tethya seychellensis	*	-	=	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Ulosa ?hispida	=	=	+	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Siphonodictyon sp. A	.	+	*	*	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eurypongia rosea	*	*	+	+	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Stations are listed from left to right in order of increasing water depth (except Stations 10, 11, 23, 29, and 30--ordered primarily by latitude and secondarily by depth). Species are ordered on the basis of inverse cluster analysis results.

Original data in the table were relative frequency of occurrence values (number of dredge samples in which the species occurred divided by the total number of dredges taken at that station). Values were then scaled by row maximum and grouped as indicated by the following symbols:

"." indicates no occurrence
"-" indicates 0 to 25% of row maximum
"=" indicates 25 to 50% of row maximum
"+" indicates 50 to 75% of row maximum
"*" indicates 75 to 100% of row maximum

TABLE L.9. OCCURRENCES OF FISH SPECIES IN TRAWL SAMPLES FROM LIVE-BOTTOM STATIONS.

Species	Station																													
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Evermannichthys spongicola	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Etropus rimosus	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Holacanthus ciliaris	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Neomerinthe beanorum	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Pristipomoides aquilonaris	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Raja eglanteria	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Cosmocampus profundus	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Antennarius pauciradiatus	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Ophichthus ocellatus	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Peprilus paru	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Urophycis regia	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Hoplunnis macrurus	.	.	.	.	.	.	.	.	.	.	.	*	.	*	.	.	.	.	.	.	.	.	.	.
Gastropsetta frontalis	.	.	.	.	.	.	.	.	*	.	.	*	.	*	.	.	.	.	.	.	.	.	.	.
Aluterus scriptus	.	.	.	.	.	.	.	.	*	.	.	*	.	*	.	.	.	.	.	.	.	.	.	.
Coryphopterus dicrus	.	.	.	.	.	.	.	.	*	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Prionotus ophryas	.	.	.	.	.	.	.	.	*	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Chilomycterus schoepfi	.	.	.	.	.	.	.	*	.	*	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Raja garmani	.	.	.	.	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Scorpaena inermis	.	.	.	.	.	.	.	.	.	.	=	+	.	*	.	.	.	.	.	.	.	.	.	.
Apogon aurolineatus	.	.	.	.	.	+	.	.	=	.	*	+	.	+	.	.	.	.	.	.	.	.	.	.
Astroscopus y-graecum	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.
Scorpaena brachyptera	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	=	.	=	.	.	.	.	.
Scorpaena albifimbria	.	.	.	.	.	=	.	.	=	.	.	=	+	*	.	.	.	.	.	.	.	.	.	.
Prionotus roseus	.	.	.	.	.	-	.	-	+	-	=	-	=	+	*	.	.	.	.	.	.	.	.	.
Antennarius ocellatus	.	.	.	.	.	.	.	.	.	.	.	.	+	*	+	.	=	.	.	.	.	.	.	+
Citharichthys gymnorhinus	.	.	.	.	.	.	.	.	.	.	.	=	*	*	*	*	.	.	.	.	.	.	.	.
Scorpaena calcarata	.	.	.	.	.	.	*	.	=	.	+	=	*	*	*	.	.	.	.	.	.	.	.	.
Apogon maculatus	.	.	.	.	.	.	.	.	-	.	*	-	=	=	=	.	-	=	-	.	.	.	.	.
Sphoeroides dorsalis	.	.	.	.	.	.	.	.	-	.	.	=	*	+	=	=	.	=	.	=	.	.	.	.
Ogcocephalus parvus	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	=	.	.	.	.	.	.	.	.
Cosmocampus albirostris	.	.	.	.	.	.	.	.	-	.	.	.	*	.	=	.	-	.	.	.	.	.	.	.
Epinephelus niveatus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.
Gymnothorax nigromarginatus	.	.	.	.	.	.	.	-	=	.	.	-	=	*	=	*	+	-	.	.	=	.	.	.
Scorpaena agassizi	.	.	.	.	.	.	.	.	.	.	.	.	=	+	=	*	=	-	.	.	.	=	.	.
Hippocampus erectus	.	.	.	.	.	=	=	+	+	.	.	-	=	=	*	*	+	=	.	.	.	.	.	.
Rypticus bistrispinus	.	.	.	.	.	-	.	.	=	+	=	-	=	*	.	*	-	=	.	=	*	.	.	.
Halieutichthys aculeatus	.	.	.	.	.	.	.	.	.	.	.	+	*	*	=	*	=	-	.	.	*	=	=	.
Synodus poeyi	.	.	.	.	=	.	=	.	=	-	.	*	*	+	*	*	+	=	.	.	*	=	.	.
Serranus phoebe	.	.	.	.	.	.	=	.	.	.	*	+	*	+	*	*	*	*	.	=	*	=	.	=
Bothus robinsi	.	.	.	.	=	=	=	-	-	.	=	=	=	*	=	.	-	.	.	.	.	.	.	.
Scorpaena brasiliensis	=	.	.	.	*	-	*	-	-	=	+	=	=	+	=	.	.	.	.	.	.	.	.	.
Syacium papillosum	.	.	.	.	.	=	*	-	-	+	+	+	*	*	*	=	-	.	.	.	=	.	.	.
Synodus intermedius	=	=	=	.	.	-	=	-	=	*	+	+	*	*	*	.	*	*	.	.	.	=	.	=

TABLE L.9. (CONTINUED).

Species	Station																														
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Monacanthus ciliatus	*	=	.	.	*	+	*	=	=	+	=	=	*	*	*	=	*	*	*	*	.	.	=	.
Prionotus alatus	.	.	.	.	.	.	.	.	.	.	.	.	.	-	.	*	-	.	.	.	.	.	.	.
Porichthys plectrodon	.	.	.	.	+	.	.	.	.	.	=	+	.	=	.	+	*	.	.	.	.	.	.	.
Ophidion dromio	.	.	.	.	*	=	.	.	.	.	.	.	.	=	.	*	*	=	.	.	.	*	.	.
Centropristis ocyurus	.	.	.	.	.	.	.	.	-	-	.	=	.	+	*	=	-	.	.	.	.	.	.	.
Trachinocephalus myops	.	.	.	.	.	=	.	.	=	.	.	=	.	*	=	=	-	.	.	.	=	.	.	.
Ogcocephalus declivirostris	.	.	.	.	.	.	.	.	.	.	.	*	.	.	*	*	=	=	.	.	.	.	.	.
Rhomboplites aurorubens	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.
Callionymus bairdi	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.
Apogon affinis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	=	.	.	.	.	.
Nicholsina usta	*	.	.	.	*	.	.	=	=	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.
Prionotus martis	*	.	.	.	*	=	.	=	=	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.
Sardinella aurita	*	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lutjanus synagris	*	.	.	.	*	.	*	.	.	.	+	.	.	.	.	.	.	=	.	.	.	.	.	.
Ogcocephalus radiatus	.	.	.	.	*	.	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.
Calamus pennatula	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aluterus heudeloti	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Symphurus urospilus	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Scorpaena plumieri	.	.	*	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.
Anisotremus virginicus	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Rhinobatos lentiginosus	.	.	*	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Synodus foetens	.	.	.	.	=	-	*	+	*	=	.	*	.	=	.	.	.	.	.	.	.	.	.	.
Diplectrum formosum	=	.	.	.	=	+	*	+	=	-	=	=	.	-	=	.	.	.	.	.	.	.	.	.
Serraniculus pumilio	+	.	.	.	.	=	+	*	.	=	=	=	.	.	.	.	.	.	.	.	.	.	.	.
Ophidion holbrooki	.	.	.	.	*	=	*	.	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.
Gobiosoma macrodon	.	.	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Calamus calamus	.	*	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lutjanus griseus	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Opsanus pardus	.	.	.	.	.	=	*	.	=	=	.	.	.	.	.	.	=	.	=	.	.	.	.	.
Cryptotomus roseus	.	.	.	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.
Monacanthus hispidus	=	=	=	*	*	=	.	-	-	-	.	-	.	=	=	.	-	.	.	=	.	.	.	.
Phaeoptyx pigmentaria	*	.	=	*	*	-	.	.	-	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.
Lactophrys quadricornis	*	*	=	*	*	+	*	=	=	.	+	-	.	-	.	.	-	.	-	.	.	.	.	.
Equetus lanceolatus	*	=	=	.	*	-	=	=	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.
Haemulon aurolineatum	*	.	=	*	=	-	=	=	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.
Serranus subligarius	*	=	.	.	*	*	.	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Epinephelus morio	.	*	=	.	.	=	=	.	-	+	*	.	.	-	.	.	.	.	.	.	.	.	.	.
Sphoeroides spengleri	.	=	*	*	.	-	=	.	=	.	=	=	=	.	.	*	-	.	.	.	.	.	.	.
Lachnolaimus maximus	.	*	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Haemulon plumieri	=	*	*	*	=	-	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Equetus umbrosus	=	=	*	*	.	.	.	.	-	-	+	.	.	.	.	.	.	.	.	.	.	.	.	.
Aluterus schoepfi	.	*	.	*	.	.	.	.	.	.	.	.	=	.	.	.	.	.	.	.	=	=	.	.
Rypticus saponaceus	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pomacanthus arcuatus	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TABLE L.9. (CONTINUED).

Species	Station																								
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Orthopristis chrysoptera	.	.	.	*	=	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pomacentrus variabilis	.	.	.	*	.	-	.	.	.	.	.	.	.	.	.	.	.	.	-	.	.	.	.	.
Bellator militaris	.	.	.	.	.	.	.	.	.	.	.	=	.	=	.	.	.	.	.	.	*	.	.	.
Henicaranx amblyrhynchus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.
Plectranthias garrupellus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	*
Ogcocephalus corniger	.	.	.	.	.	.	.	.	.	.	.	-	.	.	=	.	-	.	.	.	*	=	.	.
Parahollardia lineata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	=	.	.
Citharichthys cornutus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.
Holanthias martinicensis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.
Bellator egretta	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.
Urophycis floridana	.	.	.	.	.	.	.	.	.	.	+	=	.	*	.	*	=	.	.	.	*	*	*	.
Antennarius radiosus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	-	.	.	.	=	*	=	.
Serranus notospilus	.	.	.	.	.	-	.	.	-	.	.	=	.	=	*	*	*	=	.	.	=	=	=	*
Pontinus rathbuni	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	=	-•	-	.	.	=	*	=	*
Bodianus rufus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	=	.	*
Antigonia capros	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	=	=	*
Decodon puellaris	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	*
Prionotus stearnsi	.	.	.	.	=	.	.	.	.	.	.	.	=	-	.	.	.	.	.	.	*	.	=	.
Saurida brasiliensis	.	.	.	.	.	.	.	.	-	.	.	.	=	-	*	=	.	.	-	.	.	.	*	=
Pristigenys alta	.	.	.	.	.	.	.	.	=	-	.	.	.	-	=	.	.	-	-	=	.	=	*	.
Varicus marilynae	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	*	.
Synagrops bellus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.
Holacanthus bermudensis	.	.	.	.	.	.	.	.	=	.	*	+	.	.	.	.	.	=	.	.	.	+	.	.
Monacanthus setifer	.	.	.	.	.	.	*	*	=	.	+	.	.	*	.	.	.	=	.	.	.	*	.	.
Ophidion beani	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	=	.	*	.	*	.	.
Chaetodon ocellatus	.	.	.	.	.	.	.	.	.	.	+	.	.	.	*	.	.	=	.	*	.	*	.	.
Hemanthias vivanus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.
Chaetodon aya	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.
Ostichthys trachypoma	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	*
Cyclopsetta fimbriata	.	.	.	.	.	*	.	.	.	*	.	*	.	.	.	.	.	.	.	.	.	.	.	.
Parablennius marmoreus	.	.	.	.	.	*	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Rypticus maculatus	.	.	*	.	.	=	.	.	.	=	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Narcine brasiliensis	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Dasyatis sayi	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Diplectrum bivittatum	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Gobiesox strumosus	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Callionymus pauciradiatus	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Gymnachirus melas	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Starksia ocellata	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Syacium gunteri	.	.	.	.	.	.	.	.	.	.	*	+	.	.	.	.	.	.	.	.	.	.	.	.
Serranus tabacarius	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Emblemaria atlantica	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Calamus proridens	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	+	.	.	.	.	.	.
Hypoplectrus puella	.	*	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.

TABLE L.9. (CONTINUED).

Species	Station																														
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Hypleurochilus bermudensis	.	.	.	.	.	=	.	.	.	*	+	.	.	.	.	.	.	.	.	.	.	.	.	.
Gobiosoma oceanops	.	.	.	.	.	.	.	.	.	+	*	.	.	.	.	.	.	.	.	.	.	.	.	.
Risor ruber	.	.	.	.	.	.	.	.	.	*	.	.	*	.	.	.	.	.	.	.	.	.	.	.
Astrapogon stellatus	.	.	.	.	.	.	*	.	.	*	.	.	*	.	.	.	.	.	.	.	.	.	.	.
Bothus ocellatus	.	.	.	.	.	.	.	.	.	.	+	.	*	.	.	.	.	.	.	.	.	.	.	.
Decapterus punctatus	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.
Pseudupeneus maculatus	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	=	.	.	.	.	.
Macrorhamphosus scolopax	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
Lophius gastrophysus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
Myripristis jacobus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
Physiculus fulvus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
Scyliorhinus retifer	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
Bregmaceros atlanticus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	.	.	.	.	.	*
Opistognathus lonchurus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Bellator brachychir	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Pontinus castor	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.	.
Eucinostomus argenteus	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chaetodipterus faber	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Haemulon sciurus	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lagodon rhomboides	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Microgobius carri	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Liopropoma eukrines	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.
Hippocampus reidi	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	*	.	.	.	.
Serranus chionaria	.	.	.	.	.	.	.	.	.	=	.	.	.	.	.	.	.	.	.	*	.	.	.	.
Chaetodon aculeatus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	*	.	.	.	.
Centropyge argi	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	*	.	.	.	.
Chromis enchrysurus	.	.	.	.	.	.	.	.	.	=	*	=	.	=	.	+	.	*	*	.	.	.	.	.
Apogon pseudomaculatus	.	.	.	.	.	.	.	.	.	.	*	=	.	=	.	+	=	.	*	+	.	.	.	.
Adioryx bullisi	.	.	.	.	.	.	.	.	.	.	+	-	=	.	=	*	-	-	+	=	.	.	.	.
Scorpaena dispar	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	*	-	+	=	=	.	.	=	.
Chaetodon sedentarius	.	.	.	.	.	.	.	.	.	.	*	=	.	.	+	.	.	.	*	.	.	.	.	.
Serranus tortugarum	.	.	.	.	.	.	.	.	.	.	.	-	.	.	.	.	.	-	*	=	.	.	.	.
Canthigaster rostrata	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	*	*	.	.	.	.
Sparisoma atomarium	.	.	.	.	.	.	.	.	.	.	=	.	.	.	.	.	.	-	*	=	.	.	.	.
Chromis scotti	.	.	.	.	.	.	.	.	.	.	=	.	.	.	.	.	.	.	*	+	.	.	.	.
Serranus annularis	.	.	.	.	.	.	.	.	=	.	+	.	.	.	.	.	.	*	*	*	.	.	.	.
Shultzea beta	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	=	*	+	.	+	.	.
Apogon pillionatus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	*	.	.
Holocentrus rufus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	.	*	.	.	.	.	.
Halichoeres poeyi	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.
Cosmocampus elucens	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.
Hoplunnis tenuis	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.
Lactophrys polygonia	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.
Serranus atrobranchus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.	.

TABLE L.9. (CONTINUED).

Species	Station																							
	44	52	51	45	47	13	19	1	7	15	21	3	27	9	17	10	11	23	29	30	36	32	35	38
Scorpaena elachys	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	=	.	.	.	.	.
Synodus synodus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.
Anarchias yoshiae	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	.	.	.	.	.
Haemulon striatum	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	=	*	.	.	.	.	.
Apogon phenax	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Amblycirrhitus pinos	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Clepticus parrai	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Bodianus pulchellus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Aulostomus maculatus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Chromis cyaneus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Diodon holocanthus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Holacanthus tricolor	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.
Pomacentrus partitus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.	.	.	.	.

Stations are listed from left to right in order of increasing water depth (except Stations 10, 11, 23, 29, and 30--ordered primarily by latitude and secondarily by depth). Species are ordered on the basis of inverse cluster analysis results.

Original data in the table were relative frequency of occurrence values (number of trawl samples in which the species occurred divided by the total number of trawls taken at that station). Values were then scaled by row maximum and grouped as indicated by the following symbols:

"." indicates no occurrence
"-" indicates 0 to 25% of row maximum
"=" indicates 25 to 50% of row maximum
"+" indicates 50 to 75% of row maximum
"*" indicates 75 to 100% of row maximum

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. The includes fostering the wisest use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to assure that their development is in the best interest of all our people. The Department also has a major responsibility for American Indian reservation communities and for people who live in Island Territories under U.S. Administration.