APPENDIX F. BIOLOGICAL FIELD SURVEY DATA

F1. SOFT BOTTOM SAMPLE TYPES, SAMPLE CODES, COORDINATES, AND WATER DEPTHS

Appendix F1 provides the sample types, sample codes, coordinates, and water depths for the September 2000 Survey 1 and June 2001 Survey 2 in the nine sand resource areas and adjacent stations offshore central east Florida. Soft bottom sample types include sediment, infauna, conductivity/temperature/depth (CTD), and trawl. Sample codes are in the format S1-A1-1, where S1 refers to Survey 1, A1 means Sand Resource Area 1, and -1 refers to Station 1. Within some sample codes, STR means trawl start, and END means trawl end. X and Y coordinates are Universal Transverse Mercator projection and given in meters. Station coordinates also are given in latitude/longitude (World Grid System [WGS] 84). Water depths are in meters.

Table F1-1. Sample Characteristics for Survey 1.

Survey 1						
Sample Type	Sample Code	X	Y	Latitude	Longitude	Depth
Sediment/Infauna	S1-A1-1	550515	3141483	N 28° 23' 55.48"	W 80° 29' 03.56"	6
	S1-A1-2	551398	3141002	N 28° 23' 39.75"	W 80° 28' 31.17"	9
	S1-A1-3	553473	3142324	N 28° 24' 22.42"	W 80° 27' 14.71"	7
	S1-A1-4	552257	3138838	N 28° 22' 29.29"	W 80° 27' 59.96"	14
	S1-A1-5	554960	3142060	N 28° 24' 13.60"	W 80° 26' 20.08"	10
	S1-A1-6	555335	3140515	N 28° 23' 23.34"	W 80° 26' 06.58"	7
	S1-A1-13	554271	3141837	N 28° 24' 06.46"	W 80° 26' 45.48"	9
Sediment	S1-A1-7	550919	3138759	N 28° 22' 26.94"	W 80° 28' 49.12"	14
	S1-A1-8	551277	3141437	N 28° 23' 53.89"	W 80° 28' 35.54"	4
	S1-A1-9	550702	3137443	N 28° 21' 44.19"	W 80° 28' 57.33"	15
	S1-A1-10	553804	3141299	N 28° 23' 49.04"	W 80° 27' 02.70"	11
	S1-A1-11	554397	3139245	N 28° 22' 42.21"	W 80° 26' 41.25"	15
	S1-A1-12	556434	3143076	N 28° 24' 46.41"	W 80° 25' 25.75"	10
CTD	S1-A1-1	551187	3137449	N 28° 21' 44.34"	W 80° 28' 39.47"	16
	S1-A1-2	557473	3140203	N 28° 23' 12.87"	W 80° 24' 48.08"	20
Trawl Start	S1-A1-1-STR	551239	3138033	N 28° 22' 03.28"	W 80° 28' 37.48"	16
Trawl End	S1-A1-1-END	551273	3138674	N 28° 22' 24.12"	W 80° 28' 36.13"	15
Trawl Start	S1-A1-2-STR	557544	3140621	N 28° 23' 26.44"	W 80° 24' 45.41"	20
Trawl End	S1-A1-2-END	557624	3141240	N 28° 23' 46.56"	W 80° 24' 42.33"	19
Sediment/Infauna	S1-A2-1	555168	3124941	N 28° 14' 57.29"	W 80° 26' 15.40"	18
	S1-A2-2	551669	3123389	N 28° 14' 07.37"	W 80° 28' 24.03"	18
	S1-A2-3	553699	3125405	N 28° 15' 12.58"	W 80° 27' 09.22"	17
	S1-A2-4	549962	3126445	N 28° 15' 46.90"	W 80° 29' 26.19"	18
	S1-A2-5	553471	3128244	N 28° 16' 44.87"	W 80° 27' 17.13"	18
	S1-A2-6	548223	3127834	N 28° 16' 32.27"	W 80° 30' 29.80"	17
	S1-A2-7	551943	3129195	N 28° 17' 15.98"	W 80° 28' 13.04"	17

Table F1-1. (Continued).

Survey 1						
Sample Type	Sample Code	X	Y	Latitude	Longitude	Depth
Sediment	S1-A2-8	553042	3124815	N 28° 14' 53.50"	W 80° 27' 33.41"	17
	S1-A2-9	554900	3125763	N 28° 15' 24.05"	W 80° 26' 25.10"	16
	S1-A2-10	550522	3125512	N 28° 15' 16.50"	W 80° 29' 05.81"	18
	S1-A2-11	554665	3128936	N 28° 17' 07.18"	W 80° 26' 33.18"	17
	S1-A2-12	550756	3127350	N 28° 16' 16.22"	W 80° 28' 56.92"	18
	S1-A2-13	552392	3129937	N 28° 17' 40.05"	W 80° 27' 56.43"	17
	S1-A2-14	551635	3131282	N 28° 18' 23.85"	W 80° 28' 24.04"	17
	S1-A2-15	549763	3131525	N 28° 18' 32.02"	W 80° 29' 32.72"	16
CTD	S1-A2-1	550225	3124333	N 28° 14' 38.23"	W 80° 29' 16.87"	19
	S1-A2-2	552351	3127025	N 28° 16' 05.43"	W 80° 27' 58.44"	19
Trawl Start	S1-A2-1-STR	550112	3124632	N 28° 14' 47.98"	W 80° 29' 20.97"	19
Trawl End	S1-A2-1-END	550102	3125352	N 28° 15' 11.36"	W 80° 29' 21.24"	19
Trawl Start	S1-A2-2-STR	552287	3127442	N 28° 16' 19.00"	W 80° 28' 00.71"	19
Trawl End	S1-A2-2-END	552258	3128307	N 28° 16' 47.10"	W 80° 28' 01.64"	19
Sediment/Infauna	S1-A3-1	545062	3123701	N 28° 14' 18.38"	W 80° 32' 26.44"	15
	S1-A3-2	544977	3123480	N 28° 14' 11.19"	W 80° 32' 29.57"	13
	S1-A3-3	545243	3123430	N 28° 14' 09.55"	W 80° 32' 19.82"	14
CTD	S1-A3-1	544899	3122704	N 28° 13' 46.00"	W 80° 32' 32.53"	14
	S1-A3-2	545214	3123109	N 28° 13' 59.13"	W 80° 32' 20.92"	16
Trawl Start	S1-A3-1-STR	544885	3122895	N 28° 13' 52.20"	W 80° 32' 33.03"	15
Trawl End	S1-A3-1-END	544956	3123396	N 28° 14' 08.48"	W 80° 32' 30.36"	13
Trawl Start	S1-A3-2-STR	545099	3123256	N 28° 14' 03.91"	W 80° 32' 25.11"	15
Trawl End	S1-A3-2-END	545126	3124032	N 28° 14' 29.12"	W 80° 32' 24.01"	15
Sediment/Infauna	S1-B1-1	560724	3094329	N 27° 58' 21.65"	W 80° 22' 57.21"	17
	S1-B1-2	560956	3092441	N 27° 57' 20.25"	W 80° 22' 49.05"	15
	S1-B1-3	564481	3094165	N 27° 58' 15.67"	W 80° 20' 39.70"	18
	S1-B1-4	562267	3092524	N 27° 57' 22.73"	W 80° 22' 01.07"	17
	S1-B1-5	566886	3092454	N 27° 57' 19.65"	W 80° 19' 12.05"	19
	S1-B1-6	560968	3088487	N 27° 55' 11.74"	W 80° 22' 49.35"	15
	S1-B1-7	564615	3089524	N 27° 55' 44.85"	W 80° 20' 35.73"	15
	S1-B1-8	562201	3087579	N 27° 54' 42.03"	W 80° 22' 04.41"	14
	S1-B1-9	565535	3088623	N 27° 55' 15.40"	W 80° 20' 02.26"	16
	S1-B1-10	560726	3085650	N 27° 53' 39.61"	W 80° 22' 58.75"	14
	S1-B1-11	564891	3086705	N 27° 54' 13.18"	W 80° 20' 26.17"	14
	S1-B1-12	559865	3083662	N 27° 52' 35.15"	W 80° 23' 30.57	13
	S1-B1-27	562334	3078925	N 27° 50' 00.79"	W 80° 22' 01.18"	16
	S1-B1-28	560019	3085298	N 27° 53' 28.27"	W 80° 23' 24.67"	12

Table F1-1. (Continued).

Survey 1						
Sample Type	Sample Code	X	Y	Latitude	Longitude	Depth
Sediment	S1-B1-13	561665	3095710	N 27° 59' 06.36"	W 80° 22' 22.51"	19
	S1-B1-14	562521	3093082	N 27° 57' 40.82"	W 80° 21' 51.68"	17
	S1-B1-15	560532	3090223	N 27° 56' 08.24"	W 80° 23' 04.99"	16
	S1-B1-16	565836	3091783	N 27° 56' 58.03"	W 80° 19' 50.59"	19
	S1-B1-17	558868	3088924	N 27° 55' 26.29"	W 80° 24' 06.12"	15
	S1-B1-18	563372	3089499	N 27° 55' 44.24"	W 80° 21' 21.22"	14
	S1-B1-19	560546	3087285	N 27° 54' 32.77"	W 80° 23' 05.01"	14
	S1-B1-20	564365	3087074	N 27° 54' 25.25"	W 80° 20' 45.37"	14
	S1-B1-21	567576	3088705	N 27° 55' 17.68"	W 80° 18' 47.57"	17
	S1-B1-22	563171	3085051	N 27° 53' 19.72"	W 80° 21' 29.40"	13
	S1-B1-23	566298	3086217	N 27° 53' 57.07"	W 80° 19' 34.81"	15
	S1-B1-24	561660	3084311	N 27° 52' 55.94"	W 80° 22' 24.82"	16
	S1-B1-25	563696	3084074	N 27° 52' 47.90"	W 80° 21' 10.40"	14
	S1-B1-26	560034	3085284	N 27° 53' 27.81"	W 80° 23' 24.13"	12
CTD	S1-B1-1	561361	3079207	N 27° 50' 10.11"	W 80° 22' 36.68"	15
	S1-B1-2	561966	3090794	N 27° 56' 26.56"	W 80° 22' 12.40"	15
Trawl Start	S1-B1-1-STR	561347	3079485	N 27° 50' 19.16"	W 80° 22' 37.18"	16
Trawl End	S1-B1-1-END	561364	3080035	N 27° 50' 37.03"	W 80° 22' 36.43"	16
Trawl Start	S1-B1-2-STR	562077	3090972	N 27° 56' 32.33"	W 80° 22' 08.30"	15
Trawl End	S1-B1-2-END	562095	3091560	N 27° 56' 51.44"	W 80° 22' 07.52"	16
Sediment/Infauna	S1-B2-1	567173	3080274	N 27° 50' 43.79"	W 80° 19' 04.03"	12
	S1-B2-2	567343	3083070	N 27° 52' 14.63"	W 80° 18' 57.25"	13
	S1-B2-3	568544	3079864	N 27° 50' 30.23"	W 80° 18' 13.97"	13
	S1-B2-7	567611	3081326	N 27° 51' 17.90"	W 80° 18' 47.80"	11
Sediment	S1-B2-4	566811	3082320	N 27° 51' 50.35"	W 80° 19' 16.82"	12
	S1-B2-5	567639	3079462	N 27° 50' 17.32"	W 80° 18' 47.14"	12
	S1-B2-6	570246	3079565	N 27° 50' 20.19"	W 80° 17' 11.84"	12
CTD	S1-B2-1	569691	3079865	N 27° 50' 30.03"	W 80° 17' 32.05"	12
	S1-B2-2	566966	3079573	N 27° 50' 21.04"	W 80° 19' 11.71"	13
Trawl Start	S1-B2-1-STR	569728	3080390	N 27° 50' 47.10"	W 80° 17' 30.60"	13
Trawl End	S1-B2-1-END	569779	3081062	N 27° 51' 08.91"	W 80° 17' 28.59"	15
Trawl Start	S1-B2-2-STR	566978	3080110	N 27° 50' 38.49"	W 80° 19' 11.18"	13
Trawl End	S1-B2-2-END	566957	3080693	N 27° 50' 57.45"	W 80° 19' 11.82"	12

Table F1-1. (Continued).

Survey 1						
Sample Type	Sample Code	X	Y	Latitude	Longitude	Depth
Sediment/Infauna	S1-C1-1	589360	3021050	N 27° 18' 34.56"	W 80° 05' 48.70"	14
	S1-C1-2	587735	3018650	N 27° 17' 16.96"	W 80° 06' 48.45"	19
	S1-C1-3	589903	3023350	N 27° 19' 49.17"	W 80° 05' 28.34"	16
	S1-C1-4	587907	3021564	N 27° 18' 51.62"	W 80° 06' 41.44"	16
	S1-C1-5	584523	3019096	N 27° 17' 32.16"	W 80° 08' 45.16"	16
	S1-C1-6	586093	3024263	N 27° 20' 19.73"	W 80° 07' 46.73"	17
	S1-C1-7	584766	3021390	N 27° 18' 46.67"	W 80° 08' 35.74"	13
	S1-C1-8	586280	3025626	N 27° 21' 04.00"	W 80° 07' 39.60"	16
	S1-C1-9	582415	3022590	N 27° 19' 26.17"	W 80° 10' 00.98"	15
	S1-C1-10	584425	3025786	N 27° 21' 09.59"	W 80° 08' 47.08"	10
	S1-C1-11	584490	3029927	N 27° 23' 24.16"	W 80° 08' 43.67"	14
	S1-C1-24	583988	3020540	N 27° 18' 19.20"	W 80° 09' 04.27"	8.5
Sediment	S1-C1-12	588355	3019038	N 27° 17' 29.42"	W 80° 06' 25.79"	20
	S1-C1-13	585762	3016877	N 27° 16' 19.77"	W 80° 08' 00.64"	19
	S1-C1-14	589379	3022244	N 27° 19' 13.37"	W 80° 05' 47.71"	17
	S1-C1-15	584585	3020143	N 27° 18' 06.18"	W 80° 08' 42.63"	13
	S1-C1-16	588341	3026309	N 27° 21' 25.72"	W 80° 06' 24.41"	18
	S1-C1-17	585878	3021895	N 27° 19' 02.82"	W 80° 07' 55.16"	17
	S1-C1-18	587525	3027888	N 27° 22' 17.22"	W 80° 06' 53.70"	18
	S1-C1-19	584635	3024836	N 27° 20' 38.67"	W 80° 08' 39.64"	13
	S1-C1-20	585007	3028182	N 27° 22' 27.32"	W 80° 08' 25.29"	10
	S1-C1-21	583234	3024848	N 27° 20' 39.38"	W 80° 09' 30.62"	13
	S1-C1-22	583593	3027768	N 27° 22' 14.18"	W 80° 09' 16.84"	13
	S1-C1-23	582268	3027602	N 27° 22' 09.09"	W 80° 10' 05.14"	15
CTD	S1-C1-1	585188	3017106	N 27° 16' 27.35"	W 80° 08' 21.48"	18
	S1-C1-2	584404	3026148	N 27° 21' 21.38"	W 80° 08' 47.72"	12
Trawl Start	S1-C1-1-STR	584984	3017896	N 27° 16' 53.07"	W 80° 08' 28.70"	19
Trawl End	S1-C1-1-END	584979	3018590	N 27° 17' 15.61"	W 80° 08' 28.71"	19
Trawl Start	S1-C1-2-STR	584240	3026802	N 27° 21' 42.66"	W 80° 08' 53.53"	13
Trawl End	S1-C1-2-END	584247	3027505	N 27° 22' 05.50"	W 80° 08' 53.12"	13
Sediment/Infauna	S1-C2-1	592378	3012194	N 27° 13' 46.03"	W 80° 04' 01.31"	20
	S1-C2-2	592321	3009052	N 27° 12' 03.97"	W 80° 04' 04.23"	20
	S1-C2-3	589787	3012936	N 27° 14' 10.77"	W 80° 05' 35.30"	18
Sediment	S1-C2-4	592697	3009460	N 27° 12' 17.11"	W 80° 03' 50.44"	20
	S1-C2-5	590467	3014187	N 27° 14' 51.27"	W 80° 05' 10.26"	18
CTD	S1-C2-1	591705	3007777	N 27° 11' 22.68"	W 80° 04' 26.94"	19
	S1-C2-2	591427	3011648	N 27° 13' 28.54"	W 80° 04' 36.04"	17
Trawl Start	S1-C2-1-STR	591341	3008981	N 27° 12' 01.88"	W 80° 04' 39.85"	19
Trawl End	S1-C2-1-END	590982	3009569	N 27° 12' 21.07"	W 80° 04' 52.76"	17
Trawl Start	S1-C2-2-STR	591016	3012520	N 27° 13' 56.98"	W 80° 04' 50.73"	19
Trawl End	S1-C2-2-END	590938	3013123	N 27° 14' 16.58"	W 80° 04' 53.40"	19

Table F1-1. (Continued).

Survey 1						
Sample Type	Sample Code	X	Y	Latitude	Longitude	Depth
Sediment/Infauna	S1-D1-1	595128	2997311	N 27° 05' 41.70"	W 80° 02' 25.46"	20
	S1-D1-2	595368	2993506	N 27° 03' 37.99"	W 80° 02' 17.82"	23
	S1-D1-3	596723	2991400	N 27° 02' 29.21"	W 80° 01' 29.23"	24
Sediment	S1-D1-4	595683	2996226	N 27° 05' 06.31"	W 80° 02' 05.61"	21
	S1-D1-5	595964	2994278	N 27° 04' 02.92"	W 80° 01' 55.95"	21
CTD	S1-D1-1	595462	2994499	N 27° 04' 10.26"	W 80° 02' 14.12"	23
	S1-D1-2	596593	2994058	N 27° 03' 55.63"	W 80° 01' 33.19"	24
Trawl Start	S1-D1-1-STR	595279	2994933	N 27° 04' 24.39"	W 80° 02' 20.65"	21
Trawl End	S1-D1-1-END	595133	2995497	N 27° 04' 42.76"	W 80° 02' 25.80"	20
Trawl Start	S1-D1-2-STR	596266	2994923	N 27° 04' 23.82"	W 80° 01' 44.81"	22
Trawl End	S1-D1-2-END	596166	2995508	N 27° 04' 42.87"	W 80° 01' 48.28"	23
Sediment/Infauna	S1-D2-1	595964	2988062	N 27° 00' 40.93"	W 80° 01' 57.69"	16
	S1-D2-2	597473	2988507	N 27° 00' 55.02"	W 80° 01' 02.82"	23
	S1-D2-3	598373	2985439	N 26° 59' 15.08"	W 80° 00' 31.05"	27
Sediment	S1-D2-4	596550	2987191	N 27° 00' 12.46"	W 80° 01' 36.68"	19
CTD	S1-D2-1	596037	2987059	N 27° 00' 08.30"	W 80° 01' 55.33"	16
	S1-D2-2	597623	2987505	N 27° 00' 22.40"	W 80° 00' 57.65"	23
Trawl Start	S1-D2-1-STR	596052	2986772	N 26° 59' 58.99"	W 80° 01' 54.87"	17
Trawl End	S1-D2-1-END	596034	2987190	N 27° 00' 12.58"	W 80° 01' 55.41"	17
Trawl Start	S1-D2-2-STR	597563	2987490	N 27° 00' 21.95"	W 80° 00' 59.82"	22
Trawl End	S1-D2-2-END	597556	2988052	N 27° 00' 40.21"	W 80° 00' 59.92"	23
Sediment/Infauna	S1-R1	554939	3145608	N 28° 26' 08.90"	W 80° 26' 20.26"	15
	S1-R2	554383	3121563	N 28° 13' 07.64"	W 80° 26' 44.77"	19
	S1-R3	558825	3095792	N 27° 59' 09.48"	W 80° 24' 06.46"	17
	S1-R4	571182	3078137	N 27° 49' 33.58"	W 80° 16' 37.90"	13
	S1-R5	582473	3032066	N 27° 24' 34.10"	W 80° 09' 56.57"	14
	S1-R6	592535	3006636	N 27° 10' 45.39"	W 80° 03' 57.09"	20
	S1-R7	597200	2983548	N 26° 58' 13.92"	W 80° 01' 14.11"	23

Table F1-2. Sample Characteristics for Survey 2.

Survey 2						
Sample Type	Sample Code	X	Y	Latitude	Longitude	Depth
Sediment/Infauna	S2-A1-1	550520	3141474	N 28° 23' 55.19"	W 80° 29' 03.38"	6
	S2-A1-2	551378	3141005	N 28° 23' 39.83"	W 80° 28' 31.91"	9
	S2-A1-3	553479	3142324	N 28° 24' 22.39"	W 80° 27' 14.48"	7
	S2-A1-4	552263	3138839	N 28° 22' 29.32"	W 80° 27' 59.75"	14
	S2-A1-5	554959	3142062	N 28° 24' 13.66"	W 80° 26' 20.13"	11
	S2-A1-6	555324	3140507	N 28° 23' 23.08"	W 80° 26' 06.99"	7
	S2-A1-13	554263	3141845	N 28° 24' 06.73"	W 80° 26' 45.74"	12
Sediment	S2-A1-7	550926	3138757	N 28° 22' 26.86"	W 80° 28' 48.86"	14
	S2-A1-8	551266	3141437	N 28° 23' 53.90"	W 80° 28' 35.97"	4
	S2-A1-9	550702	3137458	N 28° 21' 44.69"	W 80° 28' 57.31"	14
	S2-A1-10	553792	3141295	N 28° 23' 48.91"	W 80° 27' 03.15"	12
	S2-A1-11	554393	3139249	N 28° 22' 42.35"	W 80° 26' 41.43"	15
	S2-A1-12	556420	3143065	N 28° 24' 46.02"	W 80° 25' 26.29"	9
CTD	S2-A1-1	551247	3138983	N 28° 22' 34.17"	W 80° 28' 37.04"	14
	S2-A1-2	557658	3141628	N 28° 23' 59.16"	W 80° 24' 41.02"	18
Trawl Start	S2-A1-1-STR	551258	3138690	N 28° 22' 24.65"	W 80° 28' 36.68"	15
Trawl End	S2-A1-1-END	551209	3138292	N 28° 22' 11.72"	W 80° 28' 38.55"	15
Trawl Start	S2-A1-2-STR	557875	3141401	N 28° 23' 51.73"	W 80° 24' 33.08"	19
Trawl End	S2-A1-2-END	558482	3141706	N 28° 24' 01.55"	W 80° 24' 10.73"	20
Sediment/Infauna	S2-A2-1	555189	3124923	N 28° 14' 56.70"	W 80° 26' 14.61"	17
	S2-A2-2	551668	3123392	N 28° 14' 07.48"	W 80° 28' 24.08"	17
	S2-A2-3	553681	3125405	N 28° 15' 12.58"	W 80° 27' 09.90"	16
	S2-A2-4	549962	3126455	N 28° 15' 47.24"	W 80° 29' 26.19"	17
	S2-A2-5	553473	3128253	N 28° 16' 45.16"	W 80° 27' 17.05"	18
	S2-A2-6	548201	3127841	N 28° 16' 32.51"	W 80° 30' 30.61"	16
	S2-A2-7	551945	3129228	N 28° 17' 17.07"	W 80° 28' 12.96"	17
Sediment	S2-A2-8	553041	3124800	N 28° 14' 53.02"	W 80° 27' 33.45"	16
	S2-A2-9	554881	3125766	N 28° 15' 24.15"	W 80° 26' 25.77"	17
	S2-A2-10	550540	3125521	N 28° 15' 16.79"	W 80° 29' 05.13"	18
	S2-A2-11	554643	3128940	N 28° 17' 07.31"	W 80° 26' 33.99"	17
	S2-A2-12	550763	3127360	N 28° 16' 16.53"	W 80° 28' 56.66"	17
	S2-A2-13	552387	3129947	N 28° 17' 40.38"	W 80° 27' 56.63"	17
	S2-A2-14	551632	3131284	N 28° 18' 23.91"	W 80° 28' 24.14"	16
	S2-A2-15	549756	3131543	N 28° 18' 32.61"	W 80° 29' 32.96"	16
CTD	S2-A2-1	549995	3125639	N 28° 15' 20.72"	W 80° 29' 25.10"	18
	S2-A2-2	552267	3128666	N 28° 16' 58.75"	W 80° 28' 01.26"	17
Trawl Start	S2-A2-1-STR	550102	3125313	N 28° 15' 10.11"	W 80° 29' 21.25"	17
Trawl End	S2-A2-1-END	550107	3124778	N 28° 14' 52.73"	W 80° 29' 21.13"	18
Trawl Start	S2-A2-2-STR	552267	3128249	N 28° 16' 45.22"	W 80° 28' 01.33"	17
Trawl End	S2-A2-2-END	552288	3127671	N 28° 16' 26.41"	W 80° 28' 00.64"	17
Sediment/Infauna	S2-A3-1	545028	3123704	N 28° 14' 18.48"	W 80° 32' 27.66"	14
	S2-A3-2	544997	3123482	N 28° 14' 11.27"	W 80° 32' 28.82"	12
	S2-A3-3	545232	3123439	N 28° 14' 09.83"	W 80° 32' 20.21"	13
CTD	S2-A3-1	544965	3123666	N 28° 14' 17.25"	W 80° 32' 29.98"	14
	S2-A3-2	545103	3124430	N 28° 14' 42.06"	W 80° 32' 24.82"	15

Table F1-2. (Continued).

Survey 2						
Sample Type	Sample Code	X	Y	Latitude	Longitude	Depth
Trawl Start	S2-A3-1-STR	544948	3123453	N 28° 14' 10.35"	W 80° 32' 30.63"	12
Trawl End	S2-A3-1-END	544894	3122938	N 28° 13' 53.59"	W 80° 32' 32.69"	15
Trawl Start	S2-A3-2-STR	545088	3124203	N 28° 14' 34.68"	W 80° 32' 25.40"	15
Trawl End	S2-A3-2-END	545106	3123683	N 28° 14' 17.79"	W 80° 32' 24.81"	15
Sediment/Infauna	S2-B1-1	560714	3094327	N 27° 58' 21.58"	W 80° 22' 57.56"	16
	S2-B1-2	560958	3092456	N 27° 57' 20.73"	W 80° 22' 48.98"	15
	S2-B1-3	564449	3094167	N 27° 58' 15.73"	W 80° 20' 40.90"	17
	S2-B1-4	562276	3092514	N 27° 57' 22.40"	W 80° 22' 00.75"	17
	S2-B1-5	566885	3092451	N 27° 57' 19.56"	W 80° 19' 12.09"	18
	S2-B1-6	560968	3088483	N 27° 55' 11.61"	W 80° 22' 49.34"	15
	S2-B1-7	564613	3089520	N 27° 55' 44.72"	W 80° 20' 35.78"	15
	S2-B1-8	562197	3087573	N 27° 54' 41.86"	W 80° 22' 04.57"	15
	S2-B1-9	565542	3088614	N 27° 55' 15.11"	W 80° 20' 01.97"	15
	S2-B1-10	560731	3085663	N 27° 53' 40.01"	W 80° 22' 58.53"	14
	S2-B1-11	564888	3086704	N 27° 54' 13.15"	W 80° 20' 26.31"	13
	S2-B1-12	559873	3083646	N 27° 52' 34.62"	W 80° 23' 30.31"	14
	S2-B1-27	562363	3078936	N 27° 50' 01.16"	W 80° 22' 00.12"	16
	S2-B1-28	560014	3085302	N 27° 53' 28.41"	W 80° 23' 24.85"	12
Sediment	S2-B1-13	561642	3095719	N 27° 59' 06.66"	W 80° 22' 23.33"	17
	S2-B1-14	562527	3093068	N 27° 57' 40.37"	W 80° 21' 51.46"	17
	S2-B1-15	560529	3090243	N 27° 56' 08.90"	W 80° 23' 05.10"	15
	S2-B1-16	565838	3091764	N 27° 56' 57.43"	W 80° 19' 50.54"	18
	S2-B1-17	558861	3088930	N 27° 55' 26.48"	W 80° 24' 06.38"	15
	S2-B1-18	563368	3089506	N 27° 55' 44.48"	W 80° 21' 21.35"	15
	S2-B1-19	560549	3087285	N 27° 54' 32.78"	W 80° 23' 04.89"	15
	S2-B1-20	564340	3087066	N 27° 54' 25.01"	W 80° 20' 46.29"	13
	S2-B1-21	567572	3088709	N 27° 55' 17.83"	W 80° 18' 47.69"	17
	S2-B1-22	563163	3085033	N 27° 53' 19.13"	W 80° 21' 29.70"	13
	S2-B1-23	566295	3086218	N 27° 53' 57.10"	W 80° 19' 34.93"	14
	S2-B1-24	561667	3084311	N 27° 52' 55.92"	W 80° 22' 24.57"	15
	S2-B1-25	563707	3084072	N 27° 52' 47.81"	W 80° 21' 10.02"	13
CTD	S2-B1-1	561334	3080353	N 27° 50' 47.37"	W 80° 22' 37.48"	17
	S2-B1-2	562037	3091854	N 27° 57' 00.98"	W 80° 22' 09.61"	15
Trawl Start	S2-B1-1-STR	561359	3079922	N 27° 50' 33.36"	W 80° 22' 36.66"	16
Trawl End	S2-B1-1-END	561345	3079359	N 27° 50' 15.05"	W 80° 22' 37.27"	16
Trawl Start	S2-B1-2-STR	562085	3091431	N 27° 56' 47.26"	W 80° 22' 07.95"	16
Trawl End	S2-B1-2-END	562072	3090967	N 27° 56' 32.16"	W 80° 22' 08.49"	16
Sediment/Infauna	S2-B2-1	567172	3080263	N 27° 50' 43.44"	W 80° 19' 04.07"	11
	S2-B2-2	567327	3083083	N 27° 52' 15.03"	W 80° 18' 57.83"	12
	S2-B2-3	568548	3079851	N 27° 50' 29.80"	W 80° 18' 13.86"	12
	S2-B2-7	567620	3081318	N 27° 51' 17.65"	W 80° 18' 47.45"	10
Sediment	S2-B2-4	566811	3082315	N 27° 51' 50.18"	W 80° 19' 16.84"	11
	S2-B2-5	567646	3079463	N 27° 50' 17.34"	W 80° 18' 46.90"	11
	S2-B2-6	570255	3079583	N 27° 50' 20.75"	W 80° 17' 11.50"	12
CTD	S2-B2-1	569780	3081407	N 27° 51' 20.12"	W 80° 17' 28.48"	14
	S2-B2-2	566954	3080998	N 27° 51' 07.36"	W 80° 19' 11.87"	11

Table F1-2. (Continued).

Survey 2						
Sample Type	Sample Code	X	Y	Latitude	Longitude	Depth
Trawl Start	S2-B2-1-STR	569817	3081121	N 27° 51' 10.84"	W 80° 17' 27.18"	13
Trawl End	S2-B2-1-END	569750	3080506	N 27° 50' 50.84"	W 80° 17' 29.75"	13
Trawl Start	S2-B2-2-STR	566977	3080709	N 27° 50' 57.95"	W 80° 19' 11.09"	11
Trawl End	S2-B2-2-END	566982	3080104	N 27° 50' 38.31"	W 80° 19' 11.03"	12
Sediment/Infauna	S2-C1-1	589371	3021049	N 27° 18' 34.52"	W 80° 05' 48.31"	17
	S2-C1-2	587739	3018650	N 27° 17' 16.93"	W 80° 06' 48.30"	18
	S2-C1-3	589910	3023349	N 27° 19' 49.13"	W 80° 05' 28.08"	17
	S2-C1-4	587900	3021561	N 27° 18' 51.50"	W 80° 06' 41.67"	17
	S2-C1-5	584519	3019113	N 27° 17' 32.71"	W 80° 08' 45.29"	15
	S2-C1-6	586077	3024265	N 27° 20' 19.80"	W 80° 07' 47.32"	17
	S2-C1-7	584807	3021366	N 27° 18' 45.86"	W 80° 08' 34.28"	11
	S2-C1-8	586272	3025635	N 27° 21' 04.28"	W 80° 07' 39.89"	17
	S2-C1-9	582425	3022590	N 27° 19' 26.17"	W 80° 10' 00.64"	14
	S2-C1-10	584424	3025769	N 27° 21' 09.05"	W 80° 08' 47.09"	11
	S2-C1-11	584496	3029913	N 27° 23' 23.69"	W 80° 08' 43.44"	14
	S2-C1-24	583988	3020541	N 27° 18' 19.26"	W 80° 09' 04.27"	8
Sediment	S2-C1-12	588346	3019036	N 27° 17' 29.35"	W 80° 06' 26.10"	19
	S2-C1-13	585766	3016875	N 27° 16' 19.71"	W 80° 08' 00.51"	19
	S2-C1-14	589382	3022244	N 27° 19' 13.36"	W 80° 05' 47.59"	18
	S2-C1-15	584584	3020144	N 27° 18' 06.20"	W 80° 08' 42.68"	13
	S2-C1-16	588346	3026302	N 27° 21' 25.47"	W 80° 06' 24.23"	18
	S2-C1-17	585871	3021896	N 27° 19' 02.86"	W 80° 07' 55.43"	17
	S2-C1-18	587550	3027870	N 27° 22' 16.60"	W 80° 06' 52.80"	19
	S2-C1-19	584630	3024846	N 27° 20' 39.00"	W 80° 08' 39.85"	13
	S2-C1-20	585002	3028182	N 27° 22' 27.34"	W 80° 08' 25.45"	11
	S2-C1-21	583228	3024843	N 27° 20' 39.22"	W 80° 09' 30.86"	13
	S2-C1-22	583601	3027755	N 27° 22' 13.77"	W 80° 09' 16.57"	13
	S2-C1-23	582256	3027593	N 27° 22' 08.79"	W 80° 10' 05.56"	16
CTD	S2-C1-1	585616	3017950	N 27° 16' 54.68"	W 80° 08' 05.68"	18
	S2-C1-2	583855	3026784	N 27° 21' 42.15"	W 80° 09' 07.57"	14
Trawl Start	S2-C1-1-STR	584948	3018363	N 27° 17' 08.24"	W 80° 08' 29.87"	19
Trawl End	S2-C1-1-END	584993	3017736	N 27° 16' 47.86"	W 80° 08' 28.42"	18
Trawl Start	S2-C1-2-STR	584202	3027650	N 27° 22' 10.23"	W 80° 08' 54.72"	13
Trawl End	S2-C1-2-END	584233	3027349	N 27° 22' 00.44"	W 80° 08' 53.66"	12
Sediment/Infauna	S2-C2-1	592392	3012186	N 27° 13' 45.77"	W 80° 04' 00.81"	19
	S2-C2-2	592325	3009067	N 27° 12' 04.45"	W 80° 04' 04.08"	19
	S2-C2-3	589780	3012939	N 27° 14' 10.86"	W 80° 05' 35.56"	19
Sediment	S2-C2-4	592686	3009472	N 27° 12' 17.50"	W 80° 03' 50.84"	20
	S2-C2-5	590450	3014175	N 27° 14' 50.89"	W 80° 05' 10.87"	16
CTD	S2-C2-1	592328	3009215	N 27° 12' 09.25"	W 80° 04' 03.94"	19
	S2-C2-2	590660	3013452	N 27° 14' 27.34"	W 80° 05' 03.43"	17
Trawl Start	S2-C2-1-STR	591119	3009408	N 27° 12' 15.82"	W 80° 04' 47.83"	19
Trawl End	S2-C2-1-END	591444	3008884	N 27° 11' 58.71"	W 80° 04' 36.15"	18
Trawl Start	S2-C2-2-STR	590952	3012981	N 27° 14' 11.96"	W 80° 04' 52.93"	10
Trawl End	S2-C2-2-END	591038	3012471	N 27° 13' 55.37"	W 80° 04' 49.96"	18

Table F1-2. (Continued).

Survey 2						
Sample Type	Sample Code	X	Y	Latitude	Longitude	Depth
Sediment/Infauna	S2-D1-1	595114	2997314	N 27° 05' 41.80"	W 80° 02' 25.96"	20
	S2-D1-2	595380	2993513	N 27° 03' 38.22"	W 80° 02' 17.39"	22
	S2-D1-3	596728	2991397	N 27° 02' 29.10"	W 80° 01' 29.03"	23
Sediment	S2-D1-4	595677	2996219	N 27° 05' 06.09"	W 80° 02' 05.83"	21
	S2-D1-5	595964	2994269	N 27° 04' 02.64"	W 80° 01' 55.96"	20
CTD	S2-D1-1	595184	2994876	N 27° 04' 22.57"	W 80° 02' 24.10"	22
	S2-D1-2	595499	2996578	N 27° 05' 17.81"	W 80° 02' 12.20"	21
Trawl Start	S2-D1-1-STR	595144	2995530	N 27° 04' 43.84"	W 80° 02' 25.38"	21
Trawl End	S2-D1-1-END	595260	2995098	N 27° 04' 29.77"	W 80° 02' 21.31"	21
Trawl Start	S2-D1-2-STR	596177	2995490	N 27° 04' 42.27"	W 80° 01' 47.89"	23
Trawl End	S2-D1-2-END	596250	2995057	N 27° 04' 28.19"	W 80° 01' 45.35"	23
Sediment/Infauna	S2-D2-1	595950	2988060	N 27° 00' 40.85"	W 80° 01' 58.19"	17
	S2-D2-2	597468	2988499	N 27° 00' 54.73"	W 80° 01' 03.01"	20
	S2-D2-3	598379	2985440	N 26° 59' 15.11"	W 80° 00' 30.82"	26
Sediment	S2-D2-4	596535	2987211	N 27° 00' 13.12"	W 80° 01' 37.21"	18
CTD	S2-D2-1	596533	2987694	N 27° 00' 28.81"	W 80° 01' 37.14"	19
	S2-D2-2	597502	2987706	N 27° 00' 28.96"	W 80° 01' 01.99"	23
Trawl Start	S2-D2-1-STR	596046	2987107	N 27° 00' 09.86"	W 80° 01' 55.00"	16
Trawl End	S2-D2-1-END	596054	2986766	N 26° 59' 58.80"	W 80° 01' 54.81"	17
Trawl Start	S2-D2-2-STR	597556	2988143	N 27° 00' 43.16"	W 80° 00' 59.89"	22
Trawl End	S2-D2-2-END	597556	2987830	N 27° 00' 32.97"	W 80° 00' 59.98"	23
Sediment/Infauna	S2-R1	554927	3145616	N 28° 26' 09.16"	W 80° 26' 20.70"	13
	S2-R2	554393	3121586	N 28° 13' 08.39"	W 80° 26' 44.39"	18
	S2-R3	558835	3095801	N 27° 59' 09.79"	W 80° 24' 06.10"	17
	S2-R4	571181	3078151	N 27° 49' 34.05"	W 80° 16' 37.96"	12
	S2-R5	582476	3032057	N 27° 24' 33.81"	W 80° 09' 56.47"	14
	S2-R6	592519	3006621	N 27° 10' 44.90"	W 80° 03' 57.70"	19
	S2-R7	597193	2983564	N 26° 58' 14.44"	W 80° 01' 14.37"	22

F2. SEDIMENT DATA

Table F2-1. Sediment data for samples collected during the September 2000 Survey 1 in the nine sand resource areas and seven adjacent stations offshore central east Florida (Adapted from: Hoenstine et al., 2001a,b).

Sample Code	Sample Weight (g)	% Total CO3	% Gravel	Gravel CO3 % Total	% Sand	Sand CO3 % Total	% Silt	% Clay	Folk's Class.*	Median (mm)	Median (Φ)	Moment Measures				Folk's Inclusive Graphic Measures			
												Mean (Φ)	Std. Dev. (phi-units)	Skew-ness	Kur-tosis	Mean (Φ)	Std. Dev. (phi-units)	Skew-ness	Kur-tosis
S1-A1-1	63.482	43.140	2.38	2.32	95.65	40.82	0.00	1.97	S	0.47	1.09	1.3	1.67	5.06	33.88	1.05	0.57	-0.22	1.44
S1-A1-2	64.583	22.411	0.05	0.03	97.47	22.36	0.31	2.17	S	0.25	2.03	2.36	1.57	5.22	32.01	2.01	0.52	0.07	1.74
S1-A1-3	71.981	25.705	0.03	0.02	97.68	25.68	0.07	2.22	S	0.29	1.76	2.07	1.56	5.76	36.77	1.75	0.36	-0.07	1.29
S1-A1-4	54.048	18.031	0.10	0.96	74.74	17.07	8.79	16.37	mS	0.08	3.65	5.26	3.38	1.18	2.98	4.96	2.57	0.72	3.66
S1-A1-5	75.211	39.799	0.68	0.13	97.05	38.07	0.20	2.06	S	0.37	1.45	1.7	1.65	5.15	32.65	1.41	0.58	-0.17	1.12
S1-A1-6	73.279	33.287	0.50	0.40	97.45	32.89	0.14	1.91	S	0.36	1.49	1.71	1.57	5.48	36.69	1.44	0.5	-0.21	1.18
S1-A1-7	62.797	14.456	0.00	0.00	86.78	13.45	5.49	7.72	mS	0.08	3.58	4.48	2.48	2.33	7.07	3.57	1.22	0.36	5.74
S1-A1-8	78.428	30.915	0.11	0.11	97.53	30.81	0.19	2.17	S	0.39	1.36	1.68	1.63	5.69	36.21	1.35	0.37	-0.06	1.08
S1-A1-9	59.205	18.434	2.54	3.40	70.26	13.58	10.22	16.97	mS	0.08	3.69	5.35	3.55	0.86	2.8	5.07	2.62	0.72	2.04
S1-A1-10	74.856	39.908	0.67	0.68	96.93	39.23	0.20	2.20	S	0.37	1.42	1.7	1.71	4.87	29.95	1.4	0.61	-0.1	1.26
S1-A1-11	70.392	23.067	1.74	2.08	80.50	20.60	5.97	11.79	mS	0.16	2.69	4.03	3.36	1.5	4.18	3.29	2.24	0.6	2.26
S1-A1-12	70.168	39.727	1.20	1.19	96.38	38.53	0.14	2.28	S	0.36	1.46	1.7	1.73	4.75	29.26	1.42	0.58	-0.21	1.38
S1-A1-13	76.189	37.887	0.77	0.72	96.87	37.16	0.07	2.30	S	0.34	1.55	1.75	1.73	4.76	29.22	1.45	0.63	-0.31	1.13
S1-A2-1	69.062	26.811	0.06	0.05	96.32	26.54	1.30	2.32	S	0.26	1.96	2.47	1.77	4.04	21.19	2.16	0.81	0.36	1.47
S1-A2-2	66.441	24.315	0.16	0.13	97.21	24.17	0.53	2.11	S	0.27	1.89	2.23	1.61	5.01	30.34	1.88	0.56	0.02	1.1
S1-A2-3	69.772	31.091	0.14	0.13	96.06	30.79	1.22	2.58	S	0.23	2.14	2.58	1.78	4.15	21.6	2.15	0.66	0.15	1.8
S1-A2-4	47.083	28.717	4.23	7.63	50.11	17.84	17.10	28.57	mS	0.07	3.94	6.43	4.27	0.07	1.78	5.53	3.48	0.49	0.91
S1-A2-5	56.326	22.040	0.09	0.09	62.00	18.83	16.69	21.22	mS	0.07	3.74	5.71	3.94	0.61	1.78	4.92	3.23	0.51	0.78
S1-A2-6	62.163	16.345	0.15	0.10	71.94	12.28	16.73	11.18	mS	0.08	3.72	5.31	3.02	1.21	3.16	4.67	2.14	0.71	2.07
S1-A2-7	60.98	17.334	0.32	0.40	72.62	14.25	13.94	13.12	mS	0.08	3.71	5.32	3.16	1.18	3.08	4.78	2.26	0.73	2.29
S1-A2-8	76.585	29.959	0.28	0.27	95.41	29.66	1.24	3.07	S	0.22	2.16	2.61	1.91	3.88	19.08	2.15	0.68	0.1	1.76
S1-A2-9	75.188	29.317	0.13	0.13	96.21	29.13	0.86	2.79	S	0.23	2.1	2.48	1.85	4.04	20.91	2.06	0.74	0.03	1.41
S1-A2-10	61.833	23.061	1.02	1.14	72.30	20.54	15.20	11.48	mS	0.08	3.63	4.76	3.44	0.96	2.88	4.12	2.73	0.35	1.52
S1-A2-11	65.717	33.610	0.04	0.04	96.84	33.57	0.84	2.28	S	0.3	1.72	2.06	1.72	4.79	27.33	1.68	0.53	-0.08	1.02
S1-A2-12	53.875	20.502	0.70	0.88	69.04	16.70	16.89	13.36	mS	0.07	3.76	5.39	3.32	0.91	2.7	4.81	2.46	0.62	1.69
S1-A2-13	49.091	18.659	0.26	0.32	64.60	16.60	14.67	20.47	mS	0.07	3.78	6.01	3.55	0.8	2.04	5.35	2.66	0.8	0.95

Table F2-1. (Continued).

Sample Code	Sample Weight (g)	% Total CO3	% Gravel	Gravel CO3 % Total	% Sand	Sand CO3 % Total	% Silt	% Clay	Folk's Class.*	Median (mm)	Median (Φ)	Moment Measures				Folk's Inclusive Graphic Measures			
												Mean (Φ)	Std. Dev. (phi-units)	Skew-ness	Kur-tosis	Mean (Φ)	Std. Dev. (phi-units)	Skew-ness	Kur-tosis
S1-A2-14	54.531	19.152	1.16	1.46	73.26	16.43	12.84	12.75	mS	0.08	3.64	5.07	3.26	1.09	3.21	4.6	2.36	0.63	3.07
S1-A2-15	60.579	17.935	0.76	0.70	77.95	15.12	11.06	10.23	mS	0.08	3.65	4.81	3.04	1.35	3.91	4.24	2.11	0.53	4.53
S1-A3-1	67.099	49.265	14.15	13.89	83.54	35.38	0.30	2.01	gS	0.48	1.06	0.96	2.13	2.64	15.9	0.68	1.36	-0.42	1.01
S1-A3-2	60.304	22.838	2.05	2.10	95.79	20.74	0.41	1.74	S	0.22	2.17	2.25	1.64	3.42	23.52	2.09	0.76	-0.36	1.81
S1-A3-3	62.949	19.143	1.53	1.48	95.53	17.65	0.48	2.46	S	0.18	2.44	2.66	1.79	3.3	19.48	2.41	0.83	-0.2	1.87
S1-B1-1	48.107	89.444	24.12	24.50	72.24	64.95	0.42	3.22	gS	0.82	0.28	0.42	2.65	2.55	12.73	0.03	1.6	-0.31	1.2
S1-B1-2	78.117	93.819	46.49	47.08	49.99	46.74	0.32	3.20	sG	1.75	-0.81	-0.22	2.69	3.04	14.45	-0.69	1.6	0.09	0.94
S1-B1-3	67.893	93.718	42.96	44.32	52.55	49.35	0.44	4.05	sG	1.54	-0.62	0.08	2.99	2.54	10.85	-0.43	1.9	0.16	0.95
S1-B1-4	66.787	91.860	42.55	43.62	54.01	48.24	0.67	2.77	sG	1.62	-0.69	-0.23	2.64	2.9	14	-0.71	1.67	0.03	1.08
S1-B1-5	76.559	86.584	18.75	18.94	78.90	67.65	0.13	2.22	gS	0.89	0.17	0.46	2.11	3.6	20.75	0.11	1.23	-0.09	1
S1-B1-6	70.939	93.731	45.98	45.88	49.93	47.79	0.70	3.38	sG	1.76	-0.81	-0.11	2.69	3.33	15.05	-0.67	1.45	0.26	1.2
S1-B1-7	71.372	86.635	20.17	20.84	77.59	65.78	0.21	2.03	gS	0.62	0.69	0.65	2.24	2.53	14.92	0.33	1.54	-0.36	1
S1-B1-8	69.638	87.523	25.49	26.19	70.85	61.32	0.36	3.30	gS	1.13	-0.17	0.31	2.5	3.41	16.41	-0.17	1.28	0.01	1
S1-B1-9	63.858	87.593	20.35	20.79	76.44	66.80	0.55	2.66	gS	0.67	0.59	0.73	2.42	2.62	13.64	0.35	1.51	-0.23	0.94
S1-B1-10	65.701	46.164	2.50	2.40	94.61	43.76	0.30	2.59	(g)S	0.45	1.14	1.44	1.99	3.88	21.41	1.07	0.91	-0.13	0.96
S1-B1-11	80.071	85.269	22.33	22.70	74.67	62.55	0.44	2.56	gS	0.58	0.78	0.64	2.51	2.1	11.77	0.28	1.73	-0.45	1.05
S1-B1-12	72.361	24.182	0.41	0.39	96.97	23.77	0.35	2.28	S	0.43	1.22	1.56	1.78	4.79	28.29	1.19	0.66	-0.03	1.04
S1-B1-13	77.518	85.471	14.63	14.88	83.11	70.59	0.32	1.94	gS	0.56	0.84	0.84	2.07	2.85	17.51	0.56	1.31	-0.36	1.03
S1-B1-14	79.529	93.151	43.93	44.73	52.42	48.41	0.82	2.83	sG	1.61	-0.68	-0.19	2.63	2.99	14.24	-0.69	1.6	0.05	0.9
S1-B1-15	78.782	95.762	55.57	57.15	39.86	38.56	0.63	3.93	sG	2.19	-1.13	-0.31	2.83	3.39	14.82	-0.92	1.46	0.34	1.3
S1-B1-16	82.38	86.423	13.76	13.96	83.09	72.46	0.42	2.73	gS	0.46	1.12	1.16	2.3	2.69	14.55	0.78	1.36	-0.41	1.17
S1-B1-17	88.982	83.048	40.70	41.43	55.37	41.61	0.51	3.43	sG	1.56	-0.64	-0.06	2.64	3.38	15.67	-0.58	1.39	0.13	1.05
S1-B1-18	87.497	88.547	32.86	33.01	63.94	55.53	0.40	2.80	sG	1.01	-0.02	0.17	2.62	2.5	12.56	-0.27	1.76	-0.2	0.91
S1-B1-19	82.153	94.257	46.34	47.01	49.52	47.24	0.67	3.47	sG	1.79	-0.84	-0.18	2.72	3.27	14.83	-0.73	1.47	0.17	1.07
S1-B1-20	82.38	92.600	29.12	29.74	67.97	62.86	0.06	2.85	gS	1.18	-0.24	0.11	2.38	3.46	18.15	-0.29	1.33	-0.09	1.01
S1-B1-21	87.947	88.461	20.69	21.12	76.47	67.34	0.45	2.39	gS	0.7	0.51	0.52	2.42	2.33	13.24	0.21	1.61	-0.35	1.18
S1-B1-22	85.248	88.545	31.09	31.22	66.27	57.32	0.47	2.17	sG	1.33	-0.41	-0.09	2.18	3.86	21.75	-0.48	1.19	-0.06	1.13
S1-B1-23	81.642	86.485	16.59	16.84	80.54	69.65	0.24	2.63	gS	0.59	0.76	0.82	2.31	2.81	15.42	0.47	1.38	-0.33	1.06
S1-B1-24	87.931	54.844	5.66	5.58	91.15	49.27	0.40	2.79	gS	0.75	0.41	0.91	2.15	3.95	20.77	0.53	0.94	0.17	1.23
S1-B1-25	78.828	81.537	2.62	2.60	95.03	78.93	0.19	2.16	(g)S	0.93	0.1	0.53	1.87	5.13	31.5	0.16	0.69	0.19	1.14

Table F2-1. (Continued).

Sample Code	Sample Weight (g)	% Total CO3	% Gravel	Gravel CO3 % Total	% Sand	Sand CO3 % Total	% Silt	% Clay	Folk's Class.*	Median (mm)	Median (Φ)	Moment Measures				Folk's Inclusive Graphic Measures			
												Mean (Φ)	Std. Dev. (phi-units)	Skew-ness	Kur-tosis	Mean (Φ)	Std. Dev. (phi-units)	Skew-ness	Kur-tosis
S1-B1-26	87.439	37.880	4.39	4.38	93.55	33.50	0.23	1.83	(g)S	0.65	0.63	0.94	1.82	4.12	26.08	0.68	0.89	0.06	0.84
S1-B1-27	76.524	90.403	48.72	49.96	45.86	40.35	0.98	4.44	sG	1.88	-0.91	-0.1	3.01	3.06	12.49	-0.78	1.96	0.35	2.02
S1-B1-28	70.833	44.149	2.76	2.78	95.41	41.37	0.00	1.84	S	0.67	0.59	0.93	1.74	4.66	30.44	0.66	0.84	0.1	0.83
S1-B2-1	70.05	75.813	1.30	1.36	96.56	74.45	0.14	2.00	S	0.43	1.21	1.45	1.68	4.9	31.61	1.15	0.65	-0.17	1.21
S1-B2-2	73.824	86.610	27.21	27.82	70.82	58.79	0.14	1.83	gS	0.69	0.54	0.32	2.38	1.83	11.71	-0.05	1.89	-0.43	0.89
S1-B2-3	76.105	86.200	14.73	15.84	83.23	70.35	0.07	1.97	gS	0.68	0.55	0.66	2.1	2.84	17.7	0.42	1.34	-0.21	1.01
S1-B2-4	94.242	83.037	22.25	22.90	75.84	60.13	0.05	1.86	gS	0.53	0.92	0.54	2.38	1.52	11.13	0.16	1.86	-0.58	1.1
S1-B2-5	90.155	78.369	2.98	3.14	95.14	75.23	0.11	1.77	S	0.45	1.14	1.3	1.69	4.4	29.43	1.02	0.8	-0.25	1.11
S1-B2-6	86.367	88.647	16.06	16.56	81.63	72.08	0.06	2.26	gS	0.61	0.7	0.72	2.19	2.79	16.84	0.44	1.35	-0.33	1.04
S1-B2-7	87.458	82.379	8.40	8.80	89.49	73.57	0.11	2.00	gS	0.46	1.11	1.15	1.92	3.39	21.3	0.87	1.11	-0.38	1.13
S1-C1-1	78.664	88.342	3.19	3.37	94.46	84.97	0.25	2.10	(g)S	0.52	0.95	1.22	1.9	3.86	22.76	0.9	1.02	-0.07	0.95
S1-C1-2	82.632	88.373	2.80	2.89	94.35	85.48	0.67	2.18	(g)S	0.47	1.09	1.45	1.99	3.41	18.65	1.11	1.14	0.05	1.13
S1-C1-3	72.269	86.578	2.45	2.53	95.26	84.05	0.00	2.28	S	0.5	1	1.25	1.85	4.37	26.38	0.93	0.85	-0.13	1.09
S1-C1-4	103.22	86.450	2.18	2.24	95.74	84.20	0.05	2.03	S	0.42	1.25	1.58	1.82	3.93	23.91	1.28	0.95	0.02	1.21
S1-C1-5	76.154	68.123	0.25	0.31	90.96	67.59	4.79	4.01	S	0.14	2.85	3.41	2.23	2.6	10.17	2.85	1.27	0.23	2.99
S1-C1-6	76.704	89.939	5.19	5.34	92.66	84.59	0.07	2.09	gS	0.62	0.69	0.98	1.9	4.04	24.4	0.67	1.02	-0.02	1.05
S1-C1-7	72.074	74.909	0.28	0.26	97.36	74.64	0.07	2.29	S	0.24	2.07	2.29	1.63	4.79	29.59	2.01	0.56	-0.22	1.34
S1-C1-8	80.295	89.453	6.92	7.31	91.15	82.14	0.12	1.81	gS	0.62	0.69	0.88	1.82	4.07	25.97	0.58	1	-0.13	1.24
S1-C1-9	69.958	91.952	5.89	6.22	90.75	85.73	0.64	2.72	gS	0.65	0.63	1.02	2.18	3.62	18.67	0.62	1.07	0.04	1.36
S1-C1-10	77.964	88.311	4.71	4.96	93.04	83.34	0.06	2.18	(g)S	0.52	0.93	1.2	1.94	3.69	21.64	0.87	1.09	-0.05	1.13
S1-C1-11	69.643	82.787	2.19	2.31	95.72	80.48	0.14	1.94	S	0.44	1.17	1.42	1.75	4.22	26.66	1.13	0.88	-0.1	1.08
S1-C1-12	82.77	88.399	1.72	1.81	96.10	86.58	0.12	2.05	S	0.42	1.24	1.52	1.75	4.4	27.56	1.23	0.79	-0.05	1.21
S1-C1-13	58.196	40.998	1.20	1.51	76.12	38.13	15.64	7.05	mS	0.08	3.66	4.69	2.87	1.13	4	4.15	1.98	0.44	4.76
S1-C1-14	74.304	90.357	5.79	6.13	91.72	84.21	0.27	2.22	gS	0.62	0.69	0.96	1.97	3.93	22.78	0.62	1.02	-0.1	1
S1-C1-15	65.372	74.981	0.54	0.58	96.18	74.39	0.99	2.29	S	0.3	1.73	2.03	1.81	4.1	22.69	1.67	0.73	-0.09	1.16
S1-C1-16	79.12	91.610	23.83	24.70	73.39	66.89	0.32	2.46	gS	0.87	0.2	0.3	2.46	2.47	13.62	-0.06	1.64	-0.29	1.08
S1-C1-17	68.947	85.404	2.13	2.18	94.83	83.22	0.51	2.54	S	0.41	1.3	1.62	1.96	3.84	20.97	1.26	0.91	-0.08	1.19
S1-C1-18	54.388	91.668	16.63	17.29	80.34	74.37	0.28	2.76	gS	0.67	0.58	0.63	2.41	2.69	14.64	0.33	1.41	-0.37	1.24
S1-C1-19	63.463	88.708	2.26	2.33	95.45	86.37	0.16	2.13	S	0.46	1.12	1.39	1.8	4.31	26.54	1.09	0.8	-0.08	1.16

Table F2-1. (Continued).

Sample Code	Sample Weight (g)	% Total CO3	% Gravel	Gravel CO3 % Total	% Sand	Sand CO3 % Total	% Silt	% Clay	Folk's Class.*	Median (mm)	Median (Φ)	Moment Measures				Folk's Inclusive Graphic Measures			
												Mean (Φ)	Std. Dev. (phi-units)	Skew-ness	Kur-tosis	Mean (Φ)	Std. Dev. (phi-units)	Skew-ness	Kur-tosis
S1-C1-20	73.71	93.779	12.04	12.43	85.79	81.34	0.14	2.04	gS	0.72	0.48	0.7	1.98	3.75	22.54	0.39	1.14	-0.13	1.05
S1-C1-21	66.471	86.329	1.26	1.28	96.78	85.05	0.30	1.65	S	0.46	1.11	1.35	1.59	5.15	35.14	1.08	0.63	-0.11	1.16
S1-C1-22	69.073	89.290	8.89	9.38	88.79	79.91	0.51	1.81	gS	0.53	0.92	1.01	2.05	2.55	17.06	0.79	1.25	-0.27	1.48
S1-C1-23	77.679	94.127	14.92	15.70	81.87	78.42	0.71	2.51	gS	0.85	0.23	0.47	2.28	3.34	17.92	0.1	1.15	-0.21	1.37
S1-C1-24	72.797	86.996	0.98	1.02	97.03	85.97	0.07	1.92	S	0.5	1	1.23	1.67	5.19	34.2	0.94	0.68	-0.14	1.06
S1-C2-1	76.677	19.035	3.26	0.03	94.00	18.94	0.26	2.48	(g)S	0.43	1.2	1.45	2.01	3.6	19.83	1.06	1.12	-0.09	1.25
S1-C2-2	69.166	39.727	0.38	1.81	93.05	37.37	3.47	3.11	S	0.09	3.53	4	1.72	3.57	16.26	3.53	0.58	0.33	3.37
S1-C2-3	66.72	65.554	6.56	0.05	90.45	65.50	0.67	2.32	gS	0.51	0.99	1.15	2.08	3.44	18.73	0.76	1.17	-0.18	1.34
S1-C2-4	74.987	21.735	0.26	0.03	94.21	21.52	2.47	3.07	S	0.09	3.48	3.87	1.72	3.46	17.13	3.48	0.49	0.15	2.52
S1-C2-5	78.243	4.786	1.53	0.04	96.49	4.74	0.19	1.79	S	0.39	1.38	1.55	1.67	4.37	28.68	1.27	0.81	-0.23	1.28
S1-D1-1	69.794	84.645	0.03	3.34	95.03	81.30	1.79	3.15	S	0.09	3.46	3.82	1.7	3.75	18.44	3.44	0.41	-0.23	1.74
S1-D1-2	56.222	20.281	1.40	0.04	69.34	20.16	12.81	16.45	mS	0.08	3.57	5.14	3.68	0.84	2.53	4.78	2.96	0.53	1.68
S1-D1-3	66.649	88.914	0.03	6.94	96.67	81.97	0.68	2.63	S	0.16	2.68	3.03	1.65	4.33	24.07	2.69	0.52	0.02	1.76
S1-D1-4	77.631	21.567	0.04	0.26	96.16	21.19	1.03	2.77	S	0.09	3.42	3.72	1.58	4.06	22.21	3.4	0.35	-0.12	1.23
S1-D1-5	67.125	84.891	0.35	1.58	96.53	83.31	0.60	2.53	S	0.12	3.05	3.28	1.66	3.48	20.66	3.06	0.62	-0.17	1.95
S1-D2-1	76.985	67.727	0.10	0.11	98.15	67.61	0.00	1.75	S	0.34	1.56	1.78	1.5	5.58	38.86	1.51	0.59	-0.14	1.05
S1-D2-2	71.682	75.999	0.45	0.40	97.52	75.60	0.35	1.67	S	0.37	1.44	1.63	1.62	4.56	29.9	1.35	0.79	-0.18	1.04
S1-D2-3	65.44	81.411	3.18	3.26	93.23	78.10	0.99	2.60	(g)S	0.21	2.23	2.39	1.98	2.87	16.12	2.09	0.94	-0.28	1.96
S1-D2-4	66.261	72.417	0.19	0.22	98.45	72.19	0.08	1.28	S	0.28	1.82	1.94	1.37	5.04	39.02	1.73	0.68	-0.26	1.23
S1-R1	89.545	55.432	17.47	18.24	80.07	37.19	0.45	2.01	gS	0.48	1.05	0.88	2.27	2.08	12.98	0.59	1.6	-0.48	1.07
S1-R2	49.935	16.755	0.31	0.65	67.65	15.21	12.02	20.03	mS	0.08	3.64	5.69	3.63	0.87	2.18	5.19	2.81	0.73	1.12
S1-R3	73.757	93.192	47.02	49.28	49.38	43.91	0.68	2.91	sG	1.87	-0.9	-0.26	2.59	3.27	15.6	-0.77	1.49	0.17	0.96
S1-R4	73.566	86.920	16.60	16.87	81.70	70.05	0.20	1.50	gS	0.57	0.82	0.61	2.22	1.42	12.43	0.49	999	999	999
S1-R5	71.869	87.937	17.61	18.25	79.74	69.68	0.56	2.09	gS	0.55	0.86	0.78	2.41	1.78	11.34	0.52	1.71	-0.37	1.28
S1-R6	54.143	20.104	0.01	0.08	94.08	19.72	2.86	3.05	S	0.08	3.57	3.98	1.71	3.53	16.81	3.57	0.5	0.27	2.96
S1-R7	67.545	87.944	16.12	17.08	81.59	70.85	0.30	2.00	gS	0.7	0.52	0.75	2.19	2.67	15.19	0.44	1.48	-0.11	0.97

* Folk's Classification: sG = sandy gravel; gS = gravelly sand; (g)S = slightly gravelly sand; S = sand; and mS = muddy sand.
Note: 999 denotes that graphic measures could not be calculated because the required data are unavailable.

Table F2-2. Sediment data for samples collected during the June 2001 Survey 2 in the nine sand resource areas and seven adjacent stations offshore central east Florida (Adapted from: Hoenstine et al., 2001a,b).

Sample Code	Sample Mass (g)	% Gravel	% Sand	% Silt	% Clay	Folk's Class.	Median (mm)	Median (Φ)	Moment Measures				Folk's Inclusive Graphic Measures			
									Mean (Φ)	Std. Dev. (phi-units)	Skew-ness	Kurtosis	Mean (Φ)	Std. Dev. (phi-units)	Skew-ness	Kurtosis
S2-A1-1	88.185	1.8291	95.0456	0.0068	3.1184	(g)S	0.4631	1.1106	1.4565	2.0141	4.4139	23.8421	1.0773	0.5985	-0.1578	1.413
S2-A1-2	70.139	0	96.2731	0.02	3.7069	S	0.2521	1.9878	2.4321	1.9483	4.4152	21.9231	1.9752	0.5113	0.0597	1.6927
S2-A1-3	74.338	0	96.8347	0.0713	3.094	S	0.292	1.7758	2.1888	1.804	5.0408	27.5354	1.7913	0.3377	0.0445	1.3182
S2-A1-4	71.118	0.3403	74.6956	10.4812	14.483	mS	0.0816	3.6158	5.1121	3.2487	1.2692	3.2557	4.6741	2.3944	0.6833	4.6949
S2-A1-5	86.625	1.7154	95.0199	0.4364	2.8283	(g)S	0.3452	1.5345	1.792	1.9542	4.0496	22.0016	1.4466	0.6831	-0.2511	1.2267
S2-A1-6	83.267	0.6329	96.1209	0.3038	2.9423	S	0.3337	1.5833	1.8944	1.8951	4.5217	24.5227	1.5141	0.5328	-0.241	1.216
S2-A1-7	57.764	1.0422	72.1972	9.9681	16.7925	(g)mS	0.0816	3.6161	5.2445	3.4524	1.0752	2.8724	4.9245	2.6349	0.6955	2.5043
S2-A1-8	70.833	1.1619	95.8522	0.0212	2.9647	(g)S	0.487	1.0381	1.3808	1.987	4.5042	24.6672	0.9881	0.6766	-0.1208	1.3466
S2-A1-9	51.472	0.5401	62.9255	13.0265	23.5079	mS	0.0748	3.741	6.0553	3.7109	0.6922	1.9379	5.4297	2.8032	0.7841	0.8589
S2-A1-10	66.997	1.7926	94.6684	0.106	3.433	(g)S	0.3512	1.5098	1.7746	2.1211	3.7833	19.0844	1.3787	0.8196	-0.28	1.1928
S2-A1-11	47.697	0.1111	47.7766	17.3093	34.803	mS	0.0446	4.4881	6.9999	4.1509	0.1236	1.3042	5.6953	3.3842	0.4578	0.6539
S2-A1-12	75.321	0.3332	95.9241	0.3571	3.3855	S	0.3479	1.5231	1.914	2.0202	4.2935	21.6918	1.4898	0.5569	-0.1168	1.2324
S2-A1-13	73.581	2.3362	93.5676	0.4947	3.6015	(g)S	0.3182	1.6521	1.9361	2.1803	3.5146	17.1217	1.529	0.7968	-0.3016	1.3585
S2-A2-1	72.232	0.1301	95.6266	0.2284	4.0148	S	0.2566	1.9623	2.5086	2.0696	3.9153	18.1933	1.9997	0.6656	0.2162	1.6532
S2-A2-2	75.618	0.0463	95.3199	0.6004	4.0334	S	0.2616	1.9343	2.4431	2.0963	3.9334	17.999	1.9217	0.6842	0.1336	1.5736
S2-A2-3	61.784	0.0518	95.2771	0.7057	3.9654	S	0.2389	2.0656	2.5668	2.0693	3.8937	17.8025	2.0375	0.6484	0.0991	1.9564
S2-A2-4	61.091	1.6123	66.3404	18.7065	13.3408	(g)mS	0.0774	3.6913	5.0819	3.5302	0.7533	2.5747	4.3447	2.832	0.3881	1.5045
S2-A2-5	44.908	0	52.7946	18.3687	28.8367	mS	0.0661	3.9197	6.431	4.126	0.308	1.4225	5.2476	3.4107	0.5156	0.6541
S2-A2-6	38.478	1.2968	56.9468	18.3663	23.39	(g)mS	0.0708	3.8194	6.1673	3.8145	0.4732	1.8384	5.3957	2.9483	0.672	0.891
S2-A2-7	41.202	1.3033	60.0699	16.4191	22.2077	(g)mS	0.0731	3.7749	5.9585	3.8035	0.5508	1.9573	5.332	2.9432	0.6593	0.9835
S2-A2-8	71.906	0.1502	95.6999	0.4645	3.6854	S	0.2464	2.0209	2.4561	2.0089	4.0413	19.3811	1.9719	0.6645	0.0406	1.5801
S2-A2-9	72.703	0.0509	95.8351	0.6754	3.4386	S	0.2294	2.1243	2.5674	1.952	4.0142	19.4977	2.1053	0.6806	0.0724	1.5334
S2-A2-10	58.285	4.5449	66.6329	15.9544	12.8678	(g)mS	0.0857	3.5439	4.5865	3.7436	0.7357	2.6805	4.1256	3.0894	0.2746	1.5183
S2-A2-11	78.262	0.1163	95.5202	0.5942	3.7694	S	0.291	1.7811	2.2451	2.0732	4.0502	19.1249	1.732	0.688	0.0768	1.7247
S2-A2-12	56.087	0.8237	65.2879	20.338	13.5504	(g)mS	0.0727	3.7817	5.5266	3.2408	0.8711	2.6809	4.8605	2.3423	0.678	1.515
S2-A2-13	55.834	0.8615	65.5192	15.7091	17.9102	mS	0.076	3.718	5.6832	3.4723	0.8419	2.4078	5.1333	2.5651	0.7639	1.2242
S2-A2-14	54.592	0.9031	70.0762	15.0077	14.013	mS	0.0789	3.6631	5.2307	3.3212	1.0065	2.9111	4.7211	2.4457	0.6413	2.0137
S2-A2-15	53.003	0.1453	74.3939	16.5934	8.8674	mS	0.0772	3.6949	5.0054	2.8152	1.3945	3.8661	4.3627	1.8902	0.6509	3.824
S2-A3-1	63.443	22.6487	72.6022	0.3357	4.4134	gS	0.9637	0.053	0.661	2.835	2.78	11.811	0.0706	1.6712	0.0961	1.1875
S2-A3-2	73.89	2.7906	93.5878	0.0352	3.5864	(g)S	0.2304	2.118	2.3212	2.1116	3.2218	16.52	2.0028	0.8658	-0.342	1.8109
S2-A3-3	70.392	0.2543	96.0123	0.2529	3.4805	S	0.205	2.2861	2.6537	1.9409	3.865	19.3163	2.2552	0.6955	-0.0241	1.2655
S2-B1-1	62.918	31.1612	63.9213	0.7851	4.1324	sG	0.9675	0.0477	0.357	2.9768	2.4217	10.4721	-0.1943	1.932	-0.0805	1.1739
S2-B1-2	57.752	80.3002	11.7901	1.3298	6.5799	G	4.1522	-2.0539	-0.8041	3.7481	2.7919	9.5798	-1.9029	2.4319	0.4914	3.5349
S2-B1-3	79.851	31.9257	63.7562	0.3732	3.9448	sG	0.6271	0.6732	0.4433	3.2058	1.5448	7.4261	-0.1223	999	999	999
S2-B1-4	63.109	37.4653	57.2628	0.5974	4.6745	sG	1.4226	-0.5085	0.1848	3.0288	2.8085	11.4109	-0.4532	2.0866	0.2589	1.6694
S2-B1-5	74.781	19.8339	75.7773	0.2434	4.1454	gS	0.8255	0.2767	0.6579	2.7698	2.7093	12.2348	0.1808	1.5339	-0.1335	1.1589

Table F2-2. (Continued).

Sample Code	Sample Mass (g)	% Gravel	% Sand	% Silt	% Clay	Folk's Class.	Median (mm)	Median (Φ)	Moment Measures				Folk's Inclusive Graphic Measures			
									Mean (Φ)	Std. Dev. (phi-units)	Skew-ness	Kurtosis	Mean (Φ)	Std. Dev. (phi-units)	Skew-ness	Kurtosis
S2-B1-6	69.805	32.1252	62.8823	0.5515	4.4409	sG	1.3758	-0.4603	0.2265	2.862	3.1504	13.3137	-0.3877	1.6034	0.2311	1.5112
S2-B1-7	67.227	21.0035	74.3615	0.6188	4.0162	gS	0.6653	0.588	0.5953	3.0452	1.7954	8.9155	0.2241	999	999	999
S2-B1-8	70.329	41.6784	52.2075	1.2086	4.9055	sG	1.6493	-0.7218	0.1031	3.1102	2.901	11.2512	-0.6063	2.283	0.3723	2.2703
S2-B1-9	70.927	14.0948	81.7488	0.3497	3.8067	gS	0.6546	0.6114	0.9551	2.5241	3.1546	14.5436	0.4664	1.2753	-0.1681	1.0356
S2-B1-10	71.822	2.2068	95.5877	0.0473	2.1581	(g)S	0.536	0.8997	1.1894	1.8311	4.3988	26.8668	0.8741	0.8674	-0.0649	0.8732
S2-B1-11	68.811	25.9799	70.5265	0.1511	3.3425	gS	0.6364	0.652	0.4203	2.9059	1.7297	9.3178	-0.0627	999	999	999
S2-B1-12	81.759	0.1627	97.0719	0.0135	2.752	S	0.4579	1.1268	1.4802	1.8941	4.7125	26.5942	1.0741	0.6758	-0.0715	0.9035
S2-B1-13	72.82	50.0961	45.6962	0.4312	3.7764	sG	2.0082	-1.0059	-0.4654	3.1145	2.3667	10.3449	-1.1062	999	999	999
S2-B1-14	72.925	33.673	62.4505	1.0655	2.8111	sG	1.2082	-0.2729	0.1162	2.6332	2.7372	12.9737	-0.3504	1.6296	-0.0563	0.9893
S2-B1-15	73.688	53.223	41.8847	0.6853	4.2069	sG	2.1349	-1.0942	-0.2374	2.922	3.228	13.6502	-0.8607	1.6545	0.3758	1.5177
S2-B1-16	70.826	28.3483	67.3736	0.8189	3.4592	gS	0.6755	0.5659	0.5735	2.8247	2.1901	10.1731	0.0671	1.8251	-0.3594	0.8484
S2-B1-17	71.889	39.7043	54.1835	1.3827	4.7295	sG	1.5348	-0.618	0.1669	3.0983	2.8013	10.8828	-0.523	2.2562	0.3383	1.9493
S2-B1-18	79.166	45.3882	50.9537	0.3739	3.2842	sG	1.7253	-0.7868	-0.2695	2.7541	2.9131	13.6258	-0.803	1.6995	0.0179	0.9338
S2-B1-19	61.387	39.9368	55.7594	0.5571	3.7467	sG	1.6313	-0.706	-0.0309	2.7331	3.3131	14.8405	-0.5708	1.3938	0.1884	1.1789
S2-B1-20	66.421	30.5551	65.0984	0.6579	3.6886	gS	1.0989	-0.1361	0.2468	2.8234	2.6359	11.9108	-0.2457	1.6865	-0.1072	1.0996
S2-B1-21	66.055	26.0904	70.4822	0.3997	3.0278	gS	0.8762	0.1907	0.3847	2.5568	2.7606	13.7433	-0.0663	1.5579	-0.2293	0.9459
S2-B1-22	69.475	13.8985	82.244	0.475	3.3825	gS	0.9722	0.0407	0.5779	2.4295	3.6112	17.3021	0.1032	1.1153	0.0886	1.1575
S2-B1-23	71.379	17.1703	78.631	0.6262	3.5725	gS	0.6	0.737	0.7654	2.8033	1.9924	10.3769	0.4294	999	999	999
S2-B1-24	75.725	2.4787	93.9003	0.5177	3.1033	(g)S	0.8329	0.2639	0.8871	2.2086	4.1267	20.7962	0.4185	0.798	0.3468	1.0904
S2-B1-25	70.447	8.852	87.118	0.6941	3.3358	gS	0.9601	0.0587	0.6757	2.4111	3.6276	17.17	0.1972	1.0738	0.2209	1.1713
S2-B1-27	58.377	42.8936	51.2325	0.4779	5.396	sG	1.6524	-0.7245	0.0707	3.1791	2.8807	11.1776	-0.6446	2.3553	0.3639	2.4063
S2-B1-28	66.528	3.0363	93.8958	0.2871	2.7808	(g)S	0.7956	0.33	0.8724	2.1055	4.1955	22.5229	0.4853	0.8327	0.2543	0.8973
S2-B2-1	56.287	1.7695	94.4801	0.286	3.4644	(g)S	0.4692	1.0917	1.4782	2.1734	3.9743	19.7298	1.0235	0.7523	-0.1214	1.1571
S2-B2-2	66.643	14.018	82.4048	0.4262	3.1511	gS	0.6522	0.6167	0.887	2.4348	2.9119	14.5402	0.4979	1.3454	-0.1896	1.0177
S2-B2-3	63.182	11.9306	85.0084	0.4495	2.6115	gS	0.518	0.9489	0.9734	2.4535	1.9407	12.2919	0.7618	999	999	999
S2-B2-4	75.464	7.4791	89.766	0.1047	2.6503	gS	0.4713	1.0853	1.2418	2.0943	3.4267	19.1836	0.9132	1.0826	-0.3142	1.1785
S2-B2-5	70.292	2.7912	94.0591	0.091	3.0587	(g)S	0.4387	1.1888	1.4719	2.06	4.0115	21.4748	1.0807	0.7633	-0.2329	1.172
S2-B2-6	74.889	16.4043	80.9985	0.1936	2.4036	gS	0.7664	0.3839	0.5879	2.2239	3.1172	17.5432	0.2916	1.3313	-0.1831	1.0731
S2-B2-7	79.72	5.8806	91.3372	0.0853	2.6969	gS	0.4373	1.1933	1.345	2.0584	3.5793	20.0381	1.0115	0.992	-0.3388	1.1351
S2-C1-1	73.86	3.0504	93.8749	0.57	2.5047	(g)S	0.5394	0.8906	1.2246	2.0322	3.8708	20.9502	0.839	0.9666	-0.0654	0.9839
S2-C1-2	66.672	3.8187	91.7747	0.582	3.8247	(g)S	0.4937	1.0182	1.5366	2.4266	3.0977	13.888	1.0506	1.279	0.0992	1.1689
S2-C1-3	71.698	5.0587	91.4182	0.2455	3.2776	(g)S	0.5709	0.8086	1.1608	2.2387	3.7085	18.6525	0.7484	0.97	-0.0888	1.1401
S2-C1-4	66.496	2.3716	94.5094	0.1865	2.9325	(g)S	0.4669	1.0988	1.4756	2.089	3.732	19.5481	1.0781	1.0042	-0.0168	1.1501
S2-C1-5	72.176	0.1081	94.4635	2.1725	3.2559	S	0.1415	2.8207	3.2267	1.9058	3.4213	15.8862	2.8072	0.7916	0.0822	1.8768
S2-C1-6	77.341	3.6048	93.7717	0.2314	2.392	(g)S	0.3478	1.5237	1.6794	1.9746	3.2831	18.7549	1.3963	1.0789	-0.2064	1.0279
S2-C1-7	68.851	0.077	99.0937	0.2353	0.594	S	0.2245	2.155	2.2798	0.9679	6.2944	65.0545	2.1162	0.4687	-0.189	1.2758
S2-C1-8	77.956	11.9362	85.3212	0.177	2.5655	gS	0.6327	0.6604	0.9426	2.1927	3.2185	17.2938	0.609	1.3226	-0.0822	1.0112
S2-C1-9	71.699	6.3488	89.322	0.9121	3.4171	gS	0.6873	0.541	1.0751	2.4181	3.3099	15.2108	0.5916	1.2078	0.1451	1.3548
S2-C1-10	76.938	4.54	92.5797	0.2158	2.6645	gS	0.5235	0.9337	1.2384	2.054	3.8024	20.8244	0.876	0.9802	-0.0978	1.0802
S2-C1-11	68.536	6.9015	89.9863	0.1211	2.9911	gS	0.5922	0.756	1.0701	2.1934	3.6517	19.0245	0.6811	1.0808	-0.1049	1.0467

Table F2-2. (Continued).

Sample Code	Sample Mass (g)	% Gravel	% Sand	% Silt	% Clay	Folk's Class.	Median (mm)	Median (Φ)	Moment Measures				Folk's Inclusive Graphic Measures			
									Mean (Φ)	Std. Dev. (phi-units)	Skew-ness	Kurtosis	Mean (Φ)	Std. Dev. (phi-units)	Skew-ness	Kurtosis
S2-C1-12	61.488	19.9746	75.9904	0.457	3.5779	gS	1.1002	-0.1378	0.4885	2.5469	3.4045	15.649	-0.0397	1.3036	0.1962	1.2051
S2-C1-13	63.105	1.2551	77.8734	13.5821	7.2894	(g)mS	0.0847	3.5612	4.4232	2.9085	1.2174	4.2461	3.8734	2.028	0.3177	4.0452
S2-C1-14	79.307	9.6486	87.2533	0.3871	2.711	gS	0.6656	0.5874	0.9008	2.2008	3.5017	18.4005	0.5254	1.1472	-0.0899	0.9646
S2-C1-15	62.015	3.9039	92.4115	0.3789	3.3057	(g)S	0.3443	1.5383	1.7661	2.18	3.3451	16.8906	1.4003	0.9494	-0.2715	1.2587
S2-C1-16	73.569	12.1858	85.2479	0.2555	2.3108	gS	0.625	0.6782	0.7935	2.148	3.1236	18.2018	0.5113	1.1958	-0.2636	1.0461
S2-C1-17	72.01	1.8497	95.3506	0.1611	2.6385	(g)S	0.4181	1.2582	1.5659	1.9471	4.03	22.4617	1.2051	0.8709	-0.1058	1.1355
S2-C1-18	83.21	12.7521	84.9838	0.2211	2.043	gS	0.597	0.7443	0.7426	2.0577	3.1308	19.4676	0.5043	1.2172	-0.4126	1.2969
S2-C1-19	75.704	1.1386	96.3344	0.1493	2.3777	(g)S	0.4356	1.1989	1.518	1.8408	4.3897	25.7413	1.1753	0.797	-0.0523	1.1141
S2-C1-20	77.982	19.4737	78.0347	0.3116	2.18	gS	0.8633	0.2121	0.3345	2.3171	2.5172	15.3918	0.0731	999	999	999
S2-C1-21	72.597	1.372	95.9323	0.354	2.3417	(g)S	0.4685	1.0939	1.4288	1.8444	4.5304	26.3581	1.0646	0.7197	-0.0313	1.2401
S2-C1-22	67.581	2.9594	93.9066	0.3966	2.7375	(g)S	0.4868	1.0385	1.3916	2.084	3.6273	19.3102	1.0242	0.9919	-0.0292	1.0484
S2-C1-23	75.584	10.19	86.8927	0.4035	2.5138	gS	0.8486	0.2368	0.5969	2.1039	4.1529	22.7662	0.1743	0.9311	-0.0476	1.2234
S2-C1-24	69.986	0.8873	96.5279	0.1557	2.4291	S	0.4591	1.123	1.4417	1.8359	4.6595	27.3442	1.0814	0.6964	-0.1002	1.0922
S2-C2-1	74.253	1.6686	95.7429	0.3663	2.2221	(g)S	0.4182	1.2579	1.4975	1.8458	4.1571	24.406	1.1537	0.8397	-0.2003	1.1094
S2-C2-2	69.042	0.1868	92.6146	3.5051	3.6934	S	0.0885	3.4975	3.9977	1.8483	3.2396	14.2717	3.5112	0.6839	0.3655	4.0133
S2-C2-3	87.156	9.9362	87.0588	0.3086	2.6963	gS	0.6099	0.7135	0.9397	2.2012	3.4165	17.989	0.5588	1.2453	-0.1155	1.2335
S2-C2-4	78.048	0.2383	92.9889	2.929	3.8438	S	0.0906	3.4642	3.9323	1.8815	3.1734	14.198	3.4649	0.7228	0.2729	4.1544
S2-C2-5	86.196	2.2298	95.5961	0.0278	2.1463	(g)S	0.4633	1.1101	1.315	1.8154	4.2837	26.3476	0.9862	0.8791	-0.2053	1.0406
S2-D1-1	58.526	0.0666	93.7498	2.6809	3.5027	S	0.0906	3.4638	3.8989	1.7933	3.4678	15.8149	3.4517	0.6374	0.1868	3.3726
S2-D1-2	65.727	0.8687	87.725	6.3855	5.0208	mS	0.0972	3.3622	3.9703	2.3347	2.1483	8.1669	3.3389	1.2157	0.22	3.2588
S2-D1-3	65.052	0.0738	94.9394	1.6049	3.3819	S	0.154	2.6993	3.1668	1.8757	3.7557	17.7659	2.7314	0.548	0.1439	1.8589
S2-D1-4	62.975	0.0048	91.3569	3.2394	5.399	S	0.0917	3.4462	4.0699	2.1315	2.9158	11.0493	3.4431	1.0068	0.3729	5.3528
S2-D1-5	65.929	0.0819	95.2585	1.626	3.0336	S	0.12	3.0585	3.41	1.7999	3.377	17.0911	3.0917	0.5964	-0.0629	1.6591
S2-D2-1	67.027	0.0537	97.3265	0.2327	2.3871	S	0.3139	1.6716	1.9782	1.7082	4.9201	29.1561	1.6289	0.5922	-0.1086	1.1324
S2-D2-2	66.453	0.6787	97.2883	0.152	1.881	S	0.4648	1.1053	1.3755	1.6512	5.0849	33.2986	1.0719	0.6927	-0.0831	1.3739
S2-D2-3	56.124	2.5355	94.2627	0.1728	3.029	(g)S	0.2229	2.1652	2.3472	1.9649	3.3731	18.6774	2.0565	0.7607	-0.3396	1.6816
S2-D2-4	63.07	0.6199	96.6846	0.1586	2.5369	S	0.3048	1.7139	1.9681	1.7885	4.4674	25.9267	1.642	0.6526	-0.2238	1.391
S2-R1	84.026	26.5168	71.009	0.1535	2.3207	gS	0.4955	1.013	0.7425	2.3338	2.3862	13.2867	0.2971	999	999	999
S2-R2	63.419	0.9682	79.7032	9.3947	9.9339	mS	0.0913	3.4527	4.5392	2.9759	1.5004	4.5077	3.8702	1.9154	0.5284	4.4499
S2-R3	71.313	41.5787	52.1588	1.2144	5.0482	sG	1.5219	-0.6059	0.2371	3.1447	2.7772	10.5702	999	999	999	999
S2-R4	79.962	13.0587	84.5277	0.1626	2.2511	gS	0.6007	0.7354	0.8474	2.0761	3.3597	19.5728	0.5524	999	999	999
S2-R5	67.605	28.1887	68.455	0.4719	2.8844	gS	0.874	0.1943	0.4413	2.4986	2.8699	14.0453	999	999	999	999
S2-R6	60.473	0.0149	91.3019	4.7145	3.9687	S	0.085	3.5566	4.1134	1.9306	3.0111	12.221	3.5695	0.7713	0.3913	4.7598
S2-R7	64.328	6.1995	88.8944	1.4084	3.4977	gS	0.3645	1.4559	1.7345	2.4247	2.716	12.37	1.2643	1.3677	-0.1492	1.5467

* Folk's Classification: G = gravel; sG = sandy gravel; gS = gravelly sand; (g)S = slightly gravelly sand; (g)mS = slightly gravelly muddy sand; S = sand; and mS = muddy sand.

Note: 999 denotes that graphic measures could not be calculated because the required data are unavailable.

F3. INFAUNAL DATA

Table F3-1. Phylogenetic list of infauna collected during the September 2000 Survey 1 and June 2001 Survey 2 in the nine sand resource areas and adjacent stations offshore central east Florida.

Phylum	Class	Family	Taxon Name
Annelida	Oligochaeta	Tubificidae	Tubificidae (LPIL)
Annelida	Polychaeta	Acrocirridae	*Acrocirrus frontifilis*
Annelida	Polychaeta	Acrocirridae	*Macrochaeta* sp. A
Annelida	Polychaeta	Ampharetidae	*Ampharete acutifrons*
Annelida	Polychaeta	Ampharetidae	*Ampharete* sp. B
Annelida	Polychaeta	Ampharetidae	*Asabellides oculata*
Annelida	Polychaeta	Ampharetidae	*Hobsonia florida*
Annelida	Polychaeta	Ampharetidae	*Isolda pulchella*
Annelida	Polychaeta	Amphinomidae	*Paramphinome* sp. B
Annelida	Polychaeta	Capitellidae	*Capitella capitata*
Annelida	Polychaeta	Capitellidae	*Dasybranchus lumbricoides*
Annelida	Polychaeta	Capitellidae	*Mediomastus ambiseta*
Annelida	Polychaeta	Capitellidae	*Mediomastus californiensis*
Annelida	Polychaeta	Capitellidae	*Notomastus americanus*
Annelida	Polychaeta	Capitellidae	*Notomastus daueri*
Annelida	Polychaeta	Capitellidae	*Notomastus hemipodus*
Annelida	Polychaeta	Capitellidae	*Notomastus lobatus*
Annelida	Polychaeta	Chaetopteridae	*Spiochaetopterus oculatus*
Annelida	Polychaeta	Chrysopetalidae	*Bhawania goodei*
Annelida	Polychaeta	Chrysopetalidae	*Bhawania heteroseta*
Annelida	Polychaeta	Cirratulidae	*Aphelochaeta* (LPIL)
Annelida	Polychaeta	Cirratulidae	*Caulleriella* sp. J
Annelida	Polychaeta	Cirratulidae	*Chaetozone setosa*
Annelida	Polychaeta	Cirratulidae	*Chaetozone* sp. A
Annelida	Polychaeta	Cirratulidae	*Monticellina dorsobranchialis*
Annelida	Polychaeta	Dorvilleidae	*Dorvillea largidentis*
Annelida	Polychaeta	Dorvilleidae	*Protodorvillea kefersteini*
Annelida	Polychaeta	Dorvilleidae	*Schistomeringos pectinata*
Annelida	Polychaeta	Dorvilleidae	*Schistomeringos rudolphi*
Annelida	Polychaeta	Eunicidae	*Eunice unifrons*
Annelida	Polychaeta	Eunicidae	*Nematonereis hebes*
Annelida	Polychaeta	Glyceridae	*Glycera americana*
Annelida	Polychaeta	Glyceridae	*Glycera dibranchiata*
Annelida	Polychaeta	Glyceridae	*Glycera* sp. A
Annelida	Polychaeta	Glyceridae	*Glycera* sp. D
Annelida	Polychaeta	Glyceridae	*Glycera* sp. E
Annelida	Polychaeta	Glyceridae	*Glycera* sp. F
Annelida	Polychaeta	Glyceridae	*Hemipodus roseus*

Table F3-1. (Continued).

Phylum	Class	Family	Taxon Name
Annelida	Polychaeta	Goniadidae	*Goniada littorea*
Annelida	Polychaeta	Goniadidae	*Goniadides carolinae*
Annelida	Polychaeta	Hesionidae	*Heteropodarke formalis*
Annelida	Polychaeta	Hesionidae	*Heteropodarke lyonsi*
Annelida	Polychaeta	Hesionidae	*Microphthalmus hartmanae*
Annelida	Polychaeta	Hesionidae	*Podarke obscura*
Annelida	Polychaeta	Hesionidae	*Podarkeopsis levifuscina*
Annelida	Polychaeta	Lumbrineridae	*Lumbrinerides dayi*
Annelida	Polychaeta	Lumbrineridae	*Lumbrineris januarii*
Annelida	Polychaeta	Lumbrineridae	*Lumbrineris latreilli*
Annelida	Polychaeta	Lumbrineridae	*Lumbrineris* sp. C
Annelida	Polychaeta	Lumbrineridae	*Lumbrineris* sp. D
Annelida	Polychaeta	Lumbrineridae	*Scoletoma verrilli*
Annelida	Polychaeta	Magelonidae	*Magelona papillicornis*
Annelida	Polychaeta	Magelonidae	*Magelona pettiboneae*
Annelida	Polychaeta	Magelonidae	*Magelona* sp. B
Annelida	Polychaeta	Magelonidae	*Magelona* sp. G
Annelida	Polychaeta	Magelonidae	*Magelona* sp. H
Annelida	Polychaeta	Magelonidae	*Magelona* sp. I
Annelida	Polychaeta	Maldanidae	*Axiothella mucosa*
Annelida	Polychaeta	Maldanidae	*Axiothella* sp. A
Annelida	Polychaeta	Maldanidae	*Petaloproctus socialis*
Annelida	Polychaeta	Nephtyidae	*Aglaophamus verrilli*
Annelida	Polychaeta	Nephtyidae	*Nephtys picta*
Annelida	Polychaeta	Nephtyidae	*Nephtys simoni*
Annelida	Polychaeta	Nephtyidae	*Nephtys squamosa*
Annelida	Polychaeta	Nereidae	*Ceratocephale oculata*
Annelida	Polychaeta	Nereidae	*Ceratonereis mirabilis*
Annelida	Polychaeta	Nereidae	*Nereis falsa*
Annelida	Polychaeta	Nereidae	*Nereis pelagica*
Annelida	Polychaeta	Nereidae	*Nereis riisei*
Annelida	Polychaeta	Nereidae	*Nereis succinea*
Annelida	Polychaeta	Onuphidae	*Diopatra cuprea*
Annelida	Polychaeta	Onuphidae	*Kinbergonuphis simoni*
Annelida	Polychaeta	Onuphidae	*Mooreonuphis nebulosa*
Annelida	Polychaeta	Onuphidae	*Mooreonuphis pallidula*
Annelida	Polychaeta	Onuphidae	*Onuphis eremita oculata*
Annelida	Polychaeta	Opheliidae	*Armandia agilis*
Annelida	Polychaeta	Opheliidae	*Armandia maculata*
Annelida	Polychaeta	Opheliidae	*Ophelina acuminata*
Annelida	Polychaeta	Opheliidae	*Travisia hobsonae*
Annelida	Polychaeta	Orbiniidae	*Leitoscoloplos robustus*
Annelida	Polychaeta	Orbiniidae	*Scoloplos rubra*
Annelida	Polychaeta	Oweniidae	*Galathowenia oculata*
Annelida	Polychaeta	Oweniidae	*Owenia fusiformis*

Table F3-1. (Continued).

Phylum	Class	Family	Taxon Name
Annelida	Polychaeta	Paraonidae	*Aricidea cerrutii*
Annelida	Polychaeta	Paraonidae	*Aricidea philbinae*
Annelida	Polychaeta	Paraonidae	*Aricidea wassi*
Annelida	Polychaeta	Paraonidae	*Cirrophorus brevicirratus*
Annelida	Polychaeta	Paraonidae	*Cirrophorus lyra*
Annelida	Polychaeta	Paraonidae	*Levinsenia gracilis*
Annelida	Polychaeta	Paraonidae	*Paraonis fulgens*
Annelida	Polychaeta	Pectinariidae	*Pectinaria gouldii*
Annelida	Polychaeta	Phyllodocidae	*Eulalia bilineata*
Annelida	Polychaeta	Phyllodocidae	*Eumida sanguinea*
Annelida	Polychaeta	Phyllodocidae	*Hesionura coineaui*
Annelida	Polychaeta	Phyllodocidae	*Hypereteone foliosa*
Annelida	Polychaeta	Phyllodocidae	*Nereiphylla fragilis*
Annelida	Polychaeta	Phyllodocidae	*Paranaitis gardineri*
Annelida	Polychaeta	Phyllodocidae	*Paranaitis speciosa*
Annelida	Polychaeta	Phyllodocidae	*Phyllodoce arenae*
Annelida	Polychaeta	Phyllodocidae	*Phyllodoce longipes*
Annelida	Polychaeta	Phyllodocidae	*Pterocirrus macrocerus*
Annelida	Polychaeta	Pilargiidae	*Ancistrosyllis hartmanae*
Annelida	Polychaeta	Pilargiidae	*Ancistrosyllis jonesi*
Annelida	Polychaeta	Pilargiidae	*Sigambra grubii*
Annelida	Polychaeta	Pilargiidae	*Sigambra pettiboneae*
Annelida	Polychaeta	Pilargiidae	*Sigambra tentaculata*
Annelida	Polychaeta	Pilargiidae	*Synelmis ewingi*
Annelida	Polychaeta	Pisionidae	*Pisione* sp. A
Annelida	Polychaeta	Poecilochaetidae	*Poecilochaetus johnsoni*
Annelida	Polychaeta	Polygordiidae	*Polygordius* (LPIL)
Annelida	Polychaeta	Polynoidae	*Harmothoe imbricata*
Annelida	Polychaeta	Polynoidae	*Lepidonotus* sp. A
Annelida	Polychaeta	Polynoidae	*Malmgreniella maccraryae*
Annelida	Polychaeta	Polynoidae	*Malmgreniella taylori*
Annelida	Polychaeta	Sabellariidae	*Sabellaria floridensis*
Annelida	Polychaeta	Sabellariidae	*Sabellaria vulgaris*
Annelida	Polychaeta	Sabellidae	*Chone* (LPIL)
Annelida	Polychaeta	Sabellidae	*Fabricinuda trilobata*
Annelida	Polychaeta	Saccocirridae	*Saccocirrus* (LPIL)
Annelida	Polychaeta	Scalibregmatidae	*Sclerobregma stenocerum*
Annelida	Polychaeta	Serpulidae	*Filogranula* sp. A
Annelida	Polychaeta	Sigalionidae	*Fimbriosthenelais minor*
Annelida	Polychaeta	Sigalionidae	*Sigalion arenicola*
Annelida	Polychaeta	Sigalionidae	*Sigalion* sp. A
Annelida	Polychaeta	Sigalionidae	*Sigalion* sp. B
Annelida	Polychaeta	Spionidae	*Aonides mayaguezensis*
Annelida	Polychaeta	Spionidae	*Apoprionospio pygmaea*
Annelida	Polychaeta	Spionidae	*Dipolydora socialis*

Table F3-1. (Continued).

Phylum	Class	Family	Taxon Name
Annelida	Polychaeta	Spionidae	*Dispio uncinata*
Annelida	Polychaeta	Spionidae	*Laonice cirrata*
Annelida	Polychaeta	Spionidae	*Paraprionospio pinnata*
Annelida	Polychaeta	Spionidae	*Polydora cornuta*
Annelida	Polychaeta	Spionidae	*Prionospio cirrifera*
Annelida	Polychaeta	Spionidae	*Prionospio cristata*
Annelida	Polychaeta	Spionidae	*Prionospio perkinsi*
Annelida	Polychaeta	Spionidae	*Prionospio steenstrupi*
Annelida	Polychaeta	Spionidae	*Pseudopolydora* (LPIL)
Annelida	Polychaeta	Spionidae	*Scolelepis squamata*
Annelida	Polychaeta	Spionidae	*Scolelepis texana*
Annelida	Polychaeta	Spionidae	*Spio pettiboneae*
Annelida	Polychaeta	Spionidae	*Spiophanes bombyx*
Annelida	Polychaeta	Spionidae	*Spiophanes missionensis*
Annelida	Polychaeta	Spionidae	*Streblospio benedicti*
Annelida	Polychaeta	Syllidae	*Autolytus* sp. A
Annelida	Polychaeta	Syllidae	*Brania wellfleetensis*
Annelida	Polychaeta	Syllidae	*Dentatisyllis carolinae*
Annelida	Polychaeta	Syllidae	*Eurysyllis tuberculata*
Annelida	Polychaeta	Syllidae	*Exogone dispar*
Annelida	Polychaeta	Syllidae	*Exogone lourei*
Annelida	Polychaeta	Syllidae	*Exogone rolani*
Annelida	Polychaeta	Syllidae	*Grubeosyllis rugulosa*
Annelida	Polychaeta	Syllidae	*Odontosyllis enopla*
Annelida	Polychaeta	Syllidae	*Opisthodonta* sp. B
Annelida	Polychaeta	Syllidae	*Parapionosyllis longicirrata*
Annelida	Polychaeta	Syllidae	*Parapionosyllis uebelackerae*
Annelida	Polychaeta	Syllidae	*Pionosyllis gesae*
Annelida	Polychaeta	Syllidae	*Plakosyllis quadrioculata*
Annelida	Polychaeta	Syllidae	*Proceraea cornuta*
Annelida	Polychaeta	Syllidae	*Sphaerosyllis aciculata*
Annelida	Polychaeta	Syllidae	*Sphaerosyllis glandulata*
Annelida	Polychaeta	Syllidae	*Sphaerosyllis perkinsi*
Annelida	Polychaeta	Syllidae	*Sphaerosyllis piriferopsis*
Annelida	Polychaeta	Syllidae	*Sphaerosyllis taylori*
Annelida	Polychaeta	Syllidae	*Syllides floridanus*
Annelida	Polychaeta	Syllidae	*Syllides fulvus*
Annelida	Polychaeta	Syllidae	*Syllis amica*
Annelida	Polychaeta	Syllidae	*Syllis danieli*
Annelida	Polychaeta	Syllidae	*Syllis gracilis*
Annelida	Polychaeta	Syllidae	*Syllis hyalina*
Annelida	Polychaeta	Syllidae	*Syllis ortizi*
Annelida	Polychaeta	Syllidae	*Trypanosyllis coeliaca*
Annelida	Polychaeta	Syllidae	*Trypanosyllis vittigera*
Annelida	Polychaeta	Terebellidae	*Loimia medusa*

Table F3-1. (Continued).

Phylum	Class	Family	Taxon Name
Annelida	Polychaeta	Terebellidae	*Polycirrus* sp. O
Arthropoda	Malacostraca	Aeginellidae	*Deutella incerta*
Arthropoda	Malacostraca	Albuneidae	*Albunea paretii*
Arthropoda	Malacostraca	Alpheidae	*Alpheus* (LPIL)
Arthropoda	Malacostraca	Alpheidae	*Automate* (LPIL)
Arthropoda	Malacostraca	Alpheidae	Alpheidae Genus A
Arthropoda	Malacostraca	Ampeliscidae	*Ampelisca abdita*
Arthropoda	Malacostraca	Ampeliscidae	*Ampelisca* sp. C
Arthropoda	Malacostraca	Ampeliscidae	*Ampelisca vadorum*
Arthropoda	Malacostraca	Ampeliscidae	*Ampelisca verrilli*
Arthropoda	Malacostraca	Amphilochidae	Amphilochidae (LPIL)
Arthropoda	Malacostraca	Anthuridae	*Amakusanthura magnifica*
Arthropoda	Malacostraca	Anthuridae	*Cyathura polita*
Arthropoda	Malacostraca	Aoridae	*Globosolembos smithi*
Arthropoda	Malacostraca	Aoridae	*Lembos setosus*
Arthropoda	Malacostraca	Aoridae	*Microdeutopus myersi*
Arthropoda	Malacostraca	Aoridae	*Unciola* (LPIL)
Arthropoda	Malacostraca	Apseudidae	*Apseudes propinquus*
Arthropoda	Malacostraca	Apseudidae	*Apseudes* sp. A
Arthropoda	Malacostraca	Apseudidae	*Apseudes* sp. R
Arthropoda	Malacostraca	Apseudidae	*Calozodion wadei*
Arthropoda	Malacostraca	Bateidae	*Batea carinata*
Arthropoda	Malacostraca	Bodotriidae	*Cyclaspis pustulata*
Arthropoda	Malacostraca	Bodotriidae	*Cyclaspis varians*
Arthropoda	Malacostraca	Calappidae	*Cycloes bairdii*
Arthropoda	Malacostraca	Caprellidae	Caprellidae (LPIL)
Arthropoda	Malacostraca	Cirolanidae	*Cirolana parva*
Arthropoda	Malacostraca	Cirolanidae	*Eurydice personata*
Arthropoda	Malacostraca	Corophiidae	*Corophium* (LPIL)
Arthropoda	Malacostraca	Diastylidae	*Oxyurostylis lecroyae*
Arthropoda	Malacostraca	Diastylidae	*Oxyurostylis smithi*
Arthropoda	Malacostraca	Dromiidae	*Hypoconcha* (LPIL)
Arthropoda	Malacostraca	Gnathostenetroididae	*Gnathostenetroides pugio*
Arthropoda	Malacostraca	Goneplacidae	*Euryplax nitida*
Arthropoda	Malacostraca	Haustoriidae	*Acanthohaustorius bousfieldi*
Arthropoda	Malacostraca	Haustoriidae	*Acanthohaustorius intermedius*
Arthropoda	Malacostraca	Haustoriidae	*Acanthohaustorius millsi*
Arthropoda	Malacostraca	Haustoriidae	*Acanthohaustorius pansus*
Arthropoda	Malacostraca	Haustoriidae	*Acanthohaustorius shoemakeri*
Arthropoda	Malacostraca	Haustoriidae	*Bathyporeia parkeri*
Arthropoda	Malacostraca	Haustoriidae	*Protohaustorius* sp. B
Arthropoda	Malacostraca	Haustoriidae	*Protohaustorius wigleyi*
Arthropoda	Malacostraca	Hippidae	*Emerita talpoida*
Arthropoda	Malacostraca	Hippolytidae	*Latreutes parvulus*
Arthropoda	Malacostraca	Hyssuridae	*Kupellonura* sp. A

Table F3-1. (Continued).

Phylum	Class	Family	Taxon Name
Arthropoda	Malacostraca	Hyssuridae	*Xenanthura brevitelson*
Arthropoda	Malacostraca	Idoteidae	*Chiridotea caeca*
Arthropoda	Malacostraca	Isaeidae	*Photis* sp. D
Arthropoda	Malacostraca	Ischyroceridae	*Cerapus cudjoe*
Arthropoda	Malacostraca	Ischyroceridae	*Cerapus tubularis*
Arthropoda	Malacostraca	Kalliapseudidae	*Kalliapseudes bahamaensis*
Arthropoda	Malacostraca	Leucosiidae	*Ebalia stimpsonii*
Arthropoda	Malacostraca	Liljeborgiidae	*Liljeborgia* sp. A
Arthropoda	Malacostraca	Liljeborgiidae	*Listriella barnardi*
Arthropoda	Malacostraca	Lysianassidae	*Lysianopsis alba*
Arthropoda	Malacostraca	Majidae	*Libinia dubia*
Arthropoda	Malacostraca	Melitidae	*Dulichiella appendiculata*
Arthropoda	Malacostraca	Melitidae	*Elasmopus levis*
Arthropoda	Malacostraca	Melitidae	*Maera caroliniana*
Arthropoda	Malacostraca	Melitidae	*Maera* sp. E
Arthropoda	Malacostraca	Melitidae	*Maera* sp. K
Arthropoda	Malacostraca	Melitidae	*Protohadzia schoenerae*
Arthropoda	Malacostraca	Melphidippidae	*Gibberosus myersi*
Arthropoda	Malacostraca	Mysidae	*Bowmaniella portoricensis*
Arthropoda	Malacostraca	Mysidae	*Promysis atlantica*
Arthropoda	Malacostraca	Nannastacidae	*Campylaspis* sp. E
Arthropoda	Malacostraca	Nannastacidae	*Cumella* (LPIL)
Arthropoda	Malacostraca	Nototanaidae	*Tanaissus psammophilus*
Arthropoda	Malacostraca	Oedicerotidae	*Monoculodes nyei*
Arthropoda	Malacostraca	Oedicerotidae	*Synchelidium americanum*
Arthropoda	Malacostraca	Ogyrididae	*Ogyrides hayi*
Arthropoda	Malacostraca	Paguridae	*Pagurus* (LPIL)
Arthropoda	Malacostraca	Paratanaidae	*Leptochelia* (LPIL)
Arthropoda	Malacostraca	Pasiphaeidae	*Leptochela serratorbita*
Arthropoda	Malacostraca	Penaeidae	*Rimapenaeus* (LPIL)
Arthropoda	Malacostraca	Phoxocephalidae	*Metharpinia floridana*
Arthropoda	Malacostraca	Pinnotheridae	*Dissodactylus mellitae*
Arthropoda	Malacostraca	Pinnotheridae	*Pinnixa cylindrica*
Arthropoda	Malacostraca	Pinnotheridae	*Pinnixa retinens*
Arthropoda	Malacostraca	Platyischnopidae	*Eudevenopus honduranus*
Arthropoda	Malacostraca	Porcellanidae	*Euceramus praelongus*
Arthropoda	Malacostraca	Portunidae	*Callinectes* (LPIL)
Arthropoda	Malacostraca	Portunidae	*Portunus gibbesii*
Arthropoda	Malacostraca	Processidae	*Processa hemphilli*
Arthropoda	Malacostraca	Sicyoniidae	*Sicyonia* (LPIL)
Arthropoda	Malacostraca	Sphaeromatidae	*Ancinus depressus*
Arthropoda	Malacostraca	Stenothoidae	*Parametopella cypris*
Arthropoda	Malacostraca	Synopiidae	*Metatiron triocellatus*
Arthropoda	Malacostraca	Synopiidae	*Metatiron tropakis*
Arthropoda	Malacostraca	Synopiidae	*Tiron* (LPIL)

Table F3-1. (Continued).

Phylum	Class	Family	Taxon Name
Arthropoda	Malacostraca	Upogebiidae	*Upogebia affinis*
Arthropoda	Malacostraca	Xanthidae	*Panopeus herbstii*
Arthropoda	Ostracoda	Cylindroleberididae	*Amboleberis americana*
Arthropoda	Ostracoda	Cylindroleberididae	*Parasterope pollex*
Arthropoda	Ostracoda	Family J	Ostracoda Family J
Arthropoda	Ostracoda	Family P	Ostracoda Family P
Arthropoda	Ostracoda	Philomedidae	*Harbansus dayi*
Arthropoda	Ostracoda	Philomedidae	*Harbansus paucichelatus*
Arthropoda	Ostracoda	Rutidermatidae	*Rutiderma darbyi*
Arthropoda	Ostracoda	Rutidermatidae	*Rutiderma gyre*
Arthropoda	Ostracoda	Sarsiellidae	*Eusarsiella disparalis*
Arthropoda	Ostracoda	Sarsiellidae	*Eusarsiella spinosa*
Arthropoda	Ostracoda	Sarsiellidae	*Eusarsiella texana*
Arthropoda	Ostracoda		Podocopida (LPIL)
Brachiopoda			Brachiopoda (LPIL)
Chordata	Ascidiacea		Ascidiacea (LPIL)
Chordata	Leptocardia	Branchiostomidae	*Branchiostoma* (LPIL)
Cnidaria	Anthozoa	Renillidae	*Renilla reniformis*
Cnidaria	Anthozoa		Actiniaria (LPIL)
Echinodermata	Echinoidea	Mellitidae	*Encope michelini*
Echinodermata	Echinoidea	Mellitidae	*Leodia sexiesperforata*
Echinodermata	Echinoidea	Mellitidae	*Mellita quinquiesperforata*
Echinodermata	Holothuroidea	Phyllophoridae	*Phyllophorus occidentalis*
Echinodermata	Holothuroidea	Sclerodactylidae	*Sclerodactyla briareus*
Echinodermata	Holothuroidea	Synaptidae	*Leptosynapta tenuis*
Echinodermata	Ophiuroidea	Amphiuridae	Amphiuridae (LPIL)
Echinodermata	Ophiuroidea	Ophiactidae	*Hemipholis elongata*
Echinodermata	Ophiuroidea	Ophiuridae	Ophiolepis affinis
Echiura			Echiura (LPIL)
Hemichordata	Enteropneusta	Ptychoderidae	*Balanoglossus* (LPIL)
Mollusca	Bivalvia	Anomiidae	*Anomia simplex*
Mollusca	Bivalvia	Arcidae	*Anadara ovalis*
Mollusca	Bivalvia	Arcidae	*Anadara transversa*
Mollusca	Bivalvia	Arcidae	*Arca zebra*
Mollusca	Bivalvia	Arcidae	*Barbatia* (LPIL)
Mollusca	Bivalvia	Cardiidae	*Americardia media*
Mollusca	Bivalvia	Cardiidae	*Cerastoderma pinnulatum*
Mollusca	Bivalvia	Cardiidae	*Laevicardium* (LPIL)
Mollusca	Bivalvia	Cardiidae	*Nemocardium peramabile*
Mollusca	Bivalvia	Cardiidae	*Trachycardium muricatum*
Mollusca	Bivalvia	Carditidae	*Pleuromeris tridentata*
Mollusca	Bivalvia	Carditidae	*Pteromeris perplana*
Mollusca	Bivalvia	Chamidae	*Chama congregata*
Mollusca	Bivalvia	Corbulidae	*Corbula contracta*
Mollusca	Bivalvia	Crassatellidae	*Crassinella lunulata*

Table F3-1. (Continued).

Phylum	Class	Family	Taxon Name
Mollusca	Bivalvia	Crassatellidae	*Crassinella martinicensis*
Mollusca	Bivalvia	Cuspidariidae	Cuspidariidae (LPIL)
Mollusca	Bivalvia	Glycymerididae	*Glycymeris pectinata*
Mollusca	Bivalvia	Glycymerididae	*Glycymeris undata*
Mollusca	Bivalvia	Limidae	*Lima pellucida*
Mollusca	Bivalvia	Limopsidae	*Limopsis cristata*
Mollusca	Bivalvia	Lucinidae	*Divaricella quadrisulcata*
Mollusca	Bivalvia	Lucinidae	*Lucina multilineata*
Mollusca	Bivalvia	Lucinidae	*Lucina nassula*
Mollusca	Bivalvia	Lucinidae	*Lucina radians*
Mollusca	Bivalvia	Lyonsiidae	*Lyonsia hyalina*
Mollusca	Bivalvia	Mactridae	*Mactra fragilis*
Mollusca	Bivalvia	Mesodesmatidae	*Ervilia concentrica*
Mollusca	Bivalvia	Montacutidae	*Mysella planulata*
Mollusca	Bivalvia	Montacutidae	*Nearomya floridana*
Mollusca	Bivalvia	Montacutidae	*Pythinella cuneata*
Mollusca	Bivalvia	Mytilidae	*Amygdalum papyria*
Mollusca	Bivalvia	Mytilidae	*Crenella divaricata*
Mollusca	Bivalvia	Mytilidae	*Lioberus castaneus*
Mollusca	Bivalvia	Mytilidae	Musculus lateralis
Mollusca	Bivalvia	Nuculanidae	*Nuculana* (LPIL)
Mollusca	Bivalvia	Nuculidae	*Nucula aegeenis*
Mollusca	Bivalvia	Nuculidae	*Nucula proxima*
Mollusca	Bivalvia	Pandoridae	*Pandora bushiana*
Mollusca	Bivalvia	Pandoridae	*Pandora trilineata*
Mollusca	Bivalvia	Pectinidae	*Argopecten gibbus*
Mollusca	Bivalvia	Pinnidae	*Atrina seminuda*
Mollusca	Bivalvia	Psammobiidae	*Sanguinolaria sanguinolenta*
Mollusca	Bivalvia	Semelidae	*Abra aequalis*
Mollusca	Bivalvia	Semelidae	*Semele bellastriata*
Mollusca	Bivalvia	Semelidae	*Semele nuculoides*
Mollusca	Bivalvia	Semelidae	*Semele proficua*
Mollusca	Bivalvia	Solenidae	*Solen viridis*
Mollusca	Bivalvia	Tellinidae	*Cymatoica orientalis*
Mollusca	Bivalvia	Tellinidae	*Macoma brevifrons*
Mollusca	Bivalvia	Tellinidae	*Macoma tenta*
Mollusca	Bivalvia	Tellinidae	*Strigilla mirabilis*
Mollusca	Bivalvia	Tellinidae	*Tellina iris*
Mollusca	Bivalvia	Tellinidae	*Tellina martinicensis*
Mollusca	Bivalvia	Tellinidae	*Tellina versicolor*
Mollusca	Bivalvia	Thraciidae	*Asthenothaerus hemphilli*
Mollusca	Bivalvia	Ungulinidae	*Diplodonta* (LPIL)
Mollusca	Bivalvia	Veneridae	*Chione cancellata*
Mollusca	Bivalvia	Veneridae	*Chione grus*
Mollusca	Bivalvia	Veneridae	*Chione intapurpurea*

Table F3-1. (Continued).

Phylum	Class	Family	Taxon Name
Mollusca	Bivalvia	Veneridae	*Gouldia cerina*
Mollusca	Bivalvia	Veneridae	*Pitar fulminatus*
Mollusca	Gastropoda	Aclididae	Aclididae (LPIL)
Mollusca	Gastropoda	Acmaeidae	*Acmaea pustulata*
Mollusca	Gastropoda	Acteonidae	*Rictaxis punctostriatus*
Mollusca	Gastropoda	Bullidae	*Bulla striata*
Mollusca	Gastropoda	Caecidae	*Caecum cooperi*
Mollusca	Gastropoda	Caecidae	*Caecum imbricatum*
Mollusca	Gastropoda	Caecidae	*Caecum johnsoni*
Mollusca	Gastropoda	Caecidae	*Caecum pulchellum*
Mollusca	Gastropoda	Calyptraeidae	*Calyptraea centralis*
Mollusca	Gastropoda	Calyptraeidae	*Crepidula fornicata*
Mollusca	Gastropoda	Calyptraeidae	*Crepidula maculosa*
Mollusca	Gastropoda	Calyptraeidae	*Crepidula plana*
Mollusca	Gastropoda	Cerithiidae	*Finella dubia*
Mollusca	Gastropoda	Columbellidae	*Anachis lafresnayi*
Mollusca	Gastropoda	Columbellidae	*Anachis obesa*
Mollusca	Gastropoda	Columbellidae	*Cosmioconcha calliglypta*
Mollusca	Gastropoda	Columbellidae	*Mitrella lunata*
Mollusca	Gastropoda	Corambidae	*Doridella obscura*
Mollusca	Gastropoda	Eulimidae	*Melanella* (LPIL)
Mollusca	Gastropoda	Eulimidae	*Strombiformis bilineatus*
Mollusca	Gastropoda	Hamineidae	*Atys sandersoni*
Mollusca	Gastropoda	Hamineidae	*Haminoea* sp. A
Mollusca	Gastropoda	Marginellidae	*Dentimargo aureocincta*
Mollusca	Gastropoda	Marginellidae	*Marginella* cf. *virginiana*
Mollusca	Gastropoda	Nassariidae	*Nassarius acutus*
Mollusca	Gastropoda	Nassariidae	*Nassarius albus*
Mollusca	Gastropoda	Naticidae	*Neverita duplicata*
Mollusca	Gastropoda	Naticidae	*Sinum perspectivum*
Mollusca	Gastropoda	Naticidae	*Tectonatica pusilla*
Mollusca	Gastropoda	Olividae	*Oliva reticularis*
Mollusca	Gastropoda	Olividae	*Olivella dealbata*
Mollusca	Gastropoda	Olividae	*Olivella mutica*
Mollusca	Gastropoda	Pyramidellidae	*Odostomia seminuda*
Mollusca	Gastropoda	Pyramidellidae	*Turbonilla* (LPIL)
Mollusca	Gastropoda	Retusidae	*Pyrunculus caelatus*
Mollusca	Gastropoda	Retusidae	*Volvulella persimilis*
Mollusca	Gastropoda	Rissoidae	*Rissoina cancellata*
Mollusca	Gastropoda	Scaphandridae	*Acteocina bidentata*
Mollusca	Gastropoda	Scaphandridae	*Acteocina candei*
Mollusca	Gastropoda	Scaphandridae	*Acteocina* sp. A
Mollusca	Gastropoda	Terebridae	*Terebra dislocata*
Mollusca	Gastropoda	Trochidae	Trochidae (LPIL)
Mollusca	Gastropoda	Turbinidae	*Arene tricarinata*

Table F3-1. (Continued).

Phylum	Class	Family	Taxon Name
Mollusca	Gastropoda	Turbinidae	*Astraea caelata*
Mollusca	Gastropoda	Turridae	*Crassispira* (LPIL)
Mollusca	Gastropoda	Turridae	*Glyphostoma gabbi*
Mollusca	Gastropoda	Turridae	*Ithycythara lanceolata*
Mollusca	Gastropoda	Turridae	*Kurtziella limonitella*
Mollusca	Gastropoda	Turridae	*Kurtziella rubella*
Mollusca	Gastropoda	Turridae	*Kurtziella serga*
Mollusca	Gastropoda	Turritellidae	*Turritella* (LPIL)
Mollusca	Gastropoda	Vitrinellidae	Vitrinellidae (LPIL)
Mollusca	Polyplacophora		Polyplacophora (LPIL)
Mollusca	Scaphopoda	Dentaliidae	*Antalis eboreum*
Mollusca	Scaphopoda	Dentaliidae	*Antalis texasianum*
Mollusca	Scaphopoda	Dentaliidae	*Dentalium* sp. B
Mollusca	Scaphopoda	Dentaliidae	*Dentalium texasianum*
Mollusca	Scaphopoda	Dentaliidae	*Graptacme eborea*
Phoronida		Phoronidae	*Phoronis* (LPIL)
Platyhelminthes	Turbellaria		Turbellaria (LPIL)
Rhynchocoela	Anopla	Lineidae	Lineidae (LPIL)
Rhynchocoela	Anopla	Tubulanidae	*Tubulanus* (LPIL)
Sipuncula		Aspidosiphonidae	*Aspidosiphon albus*
Sipuncula		Aspidosiphonidae	*Aspidosiphon muelleri*
Sipuncula		Golfingiidae	*Phascolion strombi*

Table F3-2. Numbers of taxa occurring in infaunal samples collected during the September 2000 Survey 1 in the nine sand resources areas and seven adjacent stations offshore central east Florida.

Sample Code	Annelida		Arthropoda		Mollusca		Miscellaneous
	Total Taxa	%	Total Taxa	%	Total Taxa	%	Total Taxa
S1-A1-1	5	0.36	5	0.36	2	0.14	2
S1-A1-2	8	0.38	4	0.19	6	0.29	3
S1-A1-3	3	0.38	2	0.25	3	0.38	0
S1-A1-4	9	0.31	4	0.14	13	0.45	3
S1-A1-5	3	0.75	0	0.00	0	0.00	1
S1-A1-6	1	0.50	0	0.00	1	0.50	0
S1-A1-13	2	0.33	2	0.33	1	0.17	1
S1-A2-1	6	0.50	2	0.17	4	0.33	0
S1-A2-2	7	0.78	0	0.00	2	0.22	0
S1-A2-3	6	0.67	1	0.11	1	0.11	1
S1-A2-4	6	0.55	1	0.09	1	0.09	3
S1-A2-5	3	0.30	2	0.20	5	0.50	0
S1-A2-6	1	0.11	3	0.33	5	0.56	0
S1-A2-7	6	0.43	4	0.29	3	0.21	1
S1-A3-1	6	0.50	1	0.08	3	0.25	2
S1-A3-2	4	0.80	1	0.20	0	0.00	0
S1-A3-3	2	0.40	2	0.40	1	0.20	0
S1-B1-1	10	0.37	7	0.26	10	0.37	0
S1-B1-2	11	0.44	3	0.12	9	0.36	2
S1-B1-3	11	0.39	7	0.25	8	0.29	2
S1-B1-4	5	0.38	6	0.46	2	0.15	0
S1-B1-5	4	0.29	3	0.21	6	0.43	1
S1-B1-6	5	0.56	1	0.11	3	0.33	0
S1-B1-7	2	1.00	0	0.00	0	0.00	0
S1-B1-8	8	0.50	4	0.25	4	0.25	0
S1-B1-9	3	1.00	0	0.00	0	0.00	0
S1-B1-10	2	0.40	3	0.60	0	0.00	0
S1-B1-11	2	0.17	4	0.33	4	0.33	2
S1-B1-12	1	0.25	1	0.25	1	0.25	1
S1-B1-27	4	0.50	1	0.13	3	0.38	0
S1-B1-28	0	0.00	3	1.00	0	0.00	0
S1-B2-1	0	0.00	1	1.00	0	0.00	0
S1-B2-2	0	0.00	0	0.00	3	1.00	0
S1-B2-3	0	0.00	0	0.00	1	1.00	0
S1-B2-7	1	0.33	2	0.67	0	0.00	0
S1-C1-1	0	0.00	0	0.00	1	1.00	0
S1-C1-2	2	0.40	0	0.00	3	0.60	0
S1-C1-3	1	0.25	0	0.00	3	0.75	0
S1-C1-4	1	0.33	0	0.00	2	0.67	0
S1-C1-5	1	0.17	0	0.00	5	0.83	0
S1-C1-6	1	0.33	1	0.33	1	0.33	0
S1-C1-7	2	0.67	0	0.00	1	0.33	0
S1-C1-8	0	0.00	0	0.00	2	1.00	0
S1-C1-9	2	1.00	0	0.00	0	0.00	0

Table F3-2. (Continued).

Sample Code	Annelida		Arthropoda		Mollusca		Miscellaneous
	Total Taxa	%	Total Taxa	%	Total Taxa	%	Total Taxa
S1-C1-10	0	0.00	0	0.00	1	1.00	0
S1-C1-11	2	0.33	3	0.50	1	0.17	0
S1-C1-24	0	0.00	1	0.50	1	0.50	0
S1-C2-1	0	0.00	0	0.00	1	1.00	0
S1-C2-2	0	0.00	1	0.50	1	0.50	0
S1-C2-3	2	0.40	0	0.00	3	0.60	0
S1-D1-1	0	0.00	1	0.50	1	0.50	0
S1-D1-2	2	0.50	0	0.00	2	0.50	0
S1-D1-3	1	0.50	1	0.50	0	0.00	0
S1-D2-1	1	0.50	0	0.00	1	0.50	0
S1-D2-2	1	0.33	0	0.00	1	0.33	1
S1-D2-3	3	0.50	2	0.33	0	0.00	1
S1-R1	2	0.40	1	0.20	2	0.40	0
S1-R2	1	0.33	2	0.67	0	0.00	0
S1-R3	3	0.30	3	0.30	4	0.40	0
S1-R4	0	0.00	0	0.00	1	1.00	0
S1-R5	1	0.25	2	0.50	1	0.25	0
S1-R6	1	1.00	0	0.00	0	0.00	0
S1-R7	6	0.46	6	0.46	1	0.08	0

Table F3-3. Numbers of individuals occurring in infaunal samples collected during the September 2000 Survey 1 in the nine sand resources areas and seven adjacent stations offshore central east Florida.

Sample Code	Annelida		Arthropoda		Mollusca		Miscellaneous	
	Total Individuals	%	Total Individuals	%	Total Individuals	%	Total Individuals	%
S1-A1-1	6	0.25	13	0.54	3	0.13	2	0.08
S1-A1-2	10	0.18	22	0.39	9	0.16	16	0.28
S1-A1-3	3	0.08	20	0.56	12	0.33	1	0.03
S1-A1-4	39	0.28	13	0.09	81	0.58	7	0.05
S1-A1-5	6	0.12	29	0.59	6	0.12	8	0.16
S1-A1-6	1	0.04	13	0.57	8	0.35	1	0.04
S1-A1-13	5	0.07	15	0.22	32	0.46	17	0.25
S1-A2-1	17	0.20	4	0.05	64	0.74	2	0.02
S1-A2-2	23	0.28	4	0.05	53	0.65	2	0.02
S1-A2-3	29	0.29	5	0.05	59	0.59	7	0.07
S1-A2-4	52	0.52	2	0.02	36	0.36	10	0.10
S1-A2-5	62	0.53	8	0.07	36	0.31	12	0.10
S1-A2-6	47	0.38	12	0.10	54	0.43	12	0.10
S1-A2-7	48	0.35	12	0.09	62	0.45	16	0.12
S1-A3-1	60	0.62	2	0.02	14	0.14	21	0.22
S1-A3-2	16	0.46	7	0.20	7	0.20	5	0.14
S1-A3-3	17	0.59	7	0.24	4	0.14	1	0.03
S1-B1-1	187	0.62	13	0.04	88	0.29	16	0.05
S1-B1-2	191	0.55	6	0.02	106	0.30	45	0.13
S1-B1-3	245	0.63	35	0.09	84	0.22	25	0.06
S1-B1-4	136	0.58	29	0.12	50	0.21	18	0.08
S1-B1-5	137	0.60	15	0.07	48	0.21	27	0.12
S1-B1-6	123	0.59	14	0.07	47	0.22	26	0.12
S1-B1-7	23	0.58	9	0.23	3	0.08	5	0.13
S1-B1-8	178	0.49	11	0.03	128	0.35	48	0.13
S1-B1-9	60	0.77	10	0.13	1	0.01	7	0.09
S1-B1-10	44	0.48	5	0.05	21	0.23	22	0.24
S1-B1-11	50	0.38	22	0.17	20	0.15	40	0.30
S1-B1-12	15	0.13	7	0.06	92	0.79	2	0.02
S1-B1-27	45	0.38	11	0.09	50	0.42	13	0.11
S1-B1-28	43	0.56	5	0.06	9	0.12	20	0.26
S1-B2-1	29	0.54	4	0.07	7	0.13	14	0.26
S1-B2-2	13	0.27	4	0.08	10	0.21	21	0.44
S1-B2-3	44	0.37	4	0.03	17	0.14	53	0.45
S1-B2-7	38	0.33	9	0.08	36	0.32	31	0.27
S1-C1-1	28	0.47	3	0.05	19	0.32	10	0.17
S1-C1-2	82	0.59	2	0.01	47	0.34	9	0.06
S1-C1-3	29	0.66	2	0.05	10	0.23	3	0.07
S1-C1-4	45	0.38	2	0.02	64	0.53	9	0.08
S1-C1-5	11	0.22	0	0.00	38	0.76	1	0.02
S1-C1-6	48	0.39	7	0.06	59	0.48	8	0.07
S1-C1-7	9	0.13	8	0.11	53	0.75	1	0.01
S1-C1-8	49	0.56	0	0.00	36	0.41	3	0.03
S1-C1-9	84	0.54	0	0.00	62	0.40	10	0.06

Table F3-3. (Continued).

Sample Code	Annelida		Arthropoda		Mollusca		Miscellaneous	
	Total Individuals	%	Total Individuals	%	Total Individuals	%	Total Individuals	%
S1-C1-10	18	0.11	6	0.04	126	0.75	19	0.11
S1-C1-11	76	0.25	7	0.02	194	0.63	30	0.10
S1-C1-24	22	0.20	1	0.01	76	0.68	13	0.12
S1-C2-1	108	0.79	1	0.01	21	0.15	7	0.05
S1-C2-2	7	0.50	2	0.14	3	0.21	2	0.14
S1-C2-3	69	0.59	0	0.00	30	0.26	18	0.15
S1-D1-1	17	0.57	8	0.27	4	0.13	1	0.03
S1-D1-2	54	0.71	4	0.05	12	0.16	6	0.08
S1-D1-3	12	0.50	3	0.13	8	0.33	1	0.04
S1-D2-1	9	0.21	2	0.05	28	0.67	3	0.07
S1-D2-2	18	0.51	1	0.03	7	0.20	9	0.26
S1-D2-3	64	0.57	13	0.12	29	0.26	6	0.05
S1-R1	54	0.46	5	0.04	52	0.44	7	0.06
S1-R2	35	0.25	4	0.03	99	0.71	2	0.01
S1-R3	164	0.52	41	0.13	84	0.27	24	0.08
S1-R4	25	0.42	10	0.17	13	0.22	11	0.19
S1-R5	45	0.43	11	0.10	41	0.39	8	0.08
S1-R6	27	0.63	2	0.05	13	0.30	1	0.02
S1-R7	144	0.67	34	0.16	13	0.06	23	0.11

Table F3-4. Numbers of taxa occurring in infaunal samples collected during the June 2001 Survey 2 in the nine sand resources areas and seven adjacent stations offshore central east Florida.

Sample Code	Annelida		Arthropoda		Mollusca		Miscellaneous	
	Total Taxa	%	Total Taxa	%	Total Taxa	%	Total Taxa	%
S2-A1-1	7	0.37	4	0.21	3	0.16	5	0.26
S2-A1-2	2	0.14	9	0.64	2	0.14	1	0.07
S2-A1-3	1	0.20	4	0.80	0	0.00	0	0.00
S2-A1-4	8	0.53	2	0.13	4	0.27	1	0.07
S2-A1-5	2	0.33	3	0.50	1	0.17	0	0.00
S2-A1-6	0	0.00	0	0.00	1	1.00	0	0.00
S2-A1-13	1	0.50	0	0.00	0	0.00	1	0.50
S2-A2-1	6	0.50	2	0.17	3	0.25	1	0.08
S2-A2-2	8	0.80	0	0.00	2	0.20	0	0.00
S2-A2-3	2	0.29	1	0.14	4	0.57	0	0.00
S2-A2-4	3	0.25	2	0.17	4	0.33	3	0.25
S2-A2-5	6	0.55	1	0.09	3	0.27	1	0.09
S2-A2-6	4	0.44	1	0.11	3	0.33	1	0.11
S2-A2-7	1	0.17	1	0.17	2	0.33	2	0.33
S2-A3-1	1	0.13	2	0.25	2	0.25	3	0.38
S2-A3-2	2	0.40	2	0.40	1	0.20	0	0.00
S2-A3-3	3	0.60	1	0.20	1	0.20	0	0.00
S2-B1-1	16	0.73	3	0.14	3	0.14	0	0.00
S2-B1-2	4	0.50	2	0.25	2	0.25	0	0.00
S2-B1-3	6	0.75	2	0.25	0	0.00	0	0.00
S2-B1-4	7	0.50	4	0.29	3	0.21	0	0.00
S2-B1-5	6	0.46	6	0.46	1	0.08	0	0.00
S2-B1-6	2	0.67	0	0.00	1	0.33	0	0.00
S2-B1-7	2	0.50	1	0.25	1	0.25	0	0.00
S2-B1-8	1	0.13	3	0.38	2	0.25	2	0.25
S2-B1-9	3	0.75	0	0.00	1	0.25	0	0.00
S2-B1-10	1	0.25	1	0.25	2	0.50	0	0.00
S2-B1-11	1	0.20	2	0.40	2	0.40	0	0.00
S2-B1-12	0	0.00	1	0.33	2	0.67	0	0.00
S2-B1-27	6	0.50	4	0.33	2	0.17	0	0.00
S2-B1-28	1	0.13	2	0.25	5	0.63	0	0.00
S2-B2-1	0	0.00	2	0.50	2	0.50	0	0.00
S2-B2-2	1	0.17	3	0.50	1	0.17	1	0.17
S2-B2-3	0	0.00	1	1.00	0	0.00	0	0.00
S2-B2-7	0	0.00	1	1.00	0	0.00	0	0.00
S2-C1-1	1	0.50	0	0.00	1	0.50	0	0.00
S2-C1-2	2	0.22	3	0.33	3	0.33	1	0.11
S2-C1-3	2	1.00	0	0.00	0	0.00	0	0.00
S2-C1-4	2	0.67	0	0.00	1	0.33	0	0.00
S2-C1-5	3	1.00	0	0.00	0	0.00	0	0.00
S2-C1-6	2	0.67	1	0.33	0	0.00	0	0.00
S2-C1-7	3	0.75	0	0.00	1	0.25	0	0.00
S2-C1-8	2	0.67	1	0.33	0	0.00	0	0.00
S2-C1-9	4	0.80	0	0.00	0	0.00	1	0.20

Table F3-4. (Continued).

Sample Code	Annelida		Arthropoda		Mollusca		Miscellaneous	
	Total Taxa	%	Total Taxa	%	Total Taxa	%	Total Taxa	%
S2-C1-10	1	1.00	0	0.00	0	0.00	0	0.00
S2-C1-24	1	0.20	2	0.40	2	0.40	0	0.00
S2-C2-1	2	0.50	1	0.25	1	0.25	0	0.00
S2-C2-2	0	0.00	1	0.50	1	0.50	0	0.00
S2-C2-3	2	0.33	2	0.33	1	0.17	1	0.17
S2-D1-1	1	0.33	1	0.33	1	0.33	0	0.00
S2-D1-2	1	0.50	0	0.00	1	0.50	0	0.00
S2-D1-3	1	0.50	0	0.00	1	0.50	0	0.00
S2-D2-1	0	0.00	0	0.00	1	1.00	0	0.00
S2-D2-2	0	0.00	0	0.00	1	1.00	0	0.00
S2-R1	2	0.22	3	0.33	4	0.44	0	0.00
S2-R2	0	0.00	1	1.00	0	0.00	0	0.00
S2-R3	1	0.50	0	0.00	1	0.50	0	0.00
S2-R5	0	0.00	3	0.60	1	0.20	1	0.20
S2-R6	1	1.00	0	0.00	0	0.00	0	0.00
S2-R7	4	0.57	1	0.14	2	0.29	0	0.00

Table F3-5. Numbers of individuals occurring in infaunal samples collected during the June 2001 Survey 2 in the nine sand resources areas and seven adjacent stations offshore central east Florida.

Sample Code	Annelida		Arthropoda		Mollusca		Miscellaneous	
	Total Individuals	%	Total Individuals	%	Total Individuals	%	Total Individuals	%
S2-A1-1	14	0.41	6	0.18	5	0.15	9	0.26
S2-A1-2	3	0.05	28	0.50	22	0.39	3	0.05
S2-A1-3	2	0.05	22	0.59	11	0.30	2	0.05
S2-A1-4	17	0.50	4	0.12	9	0.26	4	0.12
S2-A1-5	2	0.08	13	0.52	9	0.36	1	0.04
S2-A1-6	2	0.09	2	0.09	18	0.78	1	0.04
S2-A1-13	1	0.07	8	0.53	0	0.00	6	0.40
S2-A2-1	11	0.48	6	0.26	5	0.22	1	0.04
S2-A2-2	12	0.27	15	0.34	17	0.39	0	0.00
S2-A2-3	8	0.22	5	0.14	14	0.39	9	0.25
S2-A2-4	12	0.28	3	0.07	17	0.40	11	0.26
S2-A2-5	19	0.51	3	0.08	9	0.24	6	0.16
S2-A2-6	10	0.34	1	0.03	13	0.45	5	0.17
S2-A2-7	14	0.48	2	0.07	10	0.34	3	0.10
S2-A3-1	69	0.58	2	0.02	16	0.13	32	0.27
S2-A3-2	7	0.23	12	0.40	10	0.33	1	0.03
S2-A3-3	16	0.33	25	0.52	3	0.06	4	0.08
S2-B1-1	109	0.68	17	0.11	21	0.13	13	0.08
S2-B1-2	58	0.67	5	0.06	17	0.20	6	0.07
S2-B1-3	41	0.76	12	0.22	0	0.00	1	0.02
S2-B1-4	65	0.62	5	0.05	29	0.28	6	0.06
S2-B1-5	83	0.60	37	0.27	6	0.04	13	0.09
S2-B1-6	18	0.47	8	0.21	8	0.21	4	0.11
S2-B1-7	70	0.80	5	0.06	11	0.13	1	0.01
S2-B1-8	48	0.55	4	0.05	26	0.30	9	0.10
S2-B1-9	48	0.87	2	0.04	3	0.05	2	0.04
S2-B1-10	37	0.55	11	0.16	16	0.24	3	0.04
S2-B1-11	57	0.57	12	0.12	17	0.17	14	0.14
S2-B1-12	14	0.58	1	0.04	4	0.17	5	0.21
S2-B1-27	181	0.70	30	0.12	36	0.14	10	0.04
S2-B1-28	53	0.49	7	0.06	20	0.18	29	0.27
S2-B2-1	78	0.72	11	0.10	11	0.10	9	0.08
S2-B2-2	70	0.65	10	0.09	5	0.05	23	0.21
S2-B2-3	22	0.55	3	0.08	13	0.33	2	0.05
S2-B2-7	25	0.47	10	0.19	7	0.13	11	0.21
S2-C1-1	18	0.32	2	0.04	15	0.27	21	0.38
S2-C1-2	74	0.61	7	0.06	23	0.19	17	0.14
S2-C1-3	87	0.70	4	0.03	17	0.14	16	0.13
S2-C1-4	99	0.70	9	0.06	27	0.19	7	0.05
S2-C1-5	15	0.83	0	0.00	1	0.06	2	0.11
S2-C1-6	13	0.43	9	0.30	8	0.27	0	0.00
S2-C1-7	30	0.21	33	0.23	69	0.49	9	0.06
S2-C1-8	45	0.57	7	0.09	14	0.18	13	0.16
S2-C1-9	69	0.64	2	0.02	23	0.21	14	0.13

Table F3-5. (Continued).

Sample Code	Annelida		Arthropoda		Mollusca		Miscellaneous	
	Total Individuals	%	Total Individuals	%	Total Individuals	%	Total Individuals	%
S2-C1-10	21	0.24	7	0.08	42	0.48	18	0.20
S2-C1-11	32	0.26	4	0.03	57	0.46	31	0.25
S2-C1-24	35	0.50	21	0.30	12	0.17	2	0.03
S2-C2-1	26	0.40	9	0.14	16	0.25	14	0.22
S2-C2-2	5	0.24	3	0.14	12	0.57	1	0.05
S2-C2-3	87	0.69	19	0.15	10	0.08	11	0.09
S2-D1-1	19	0.37	12	0.24	18	0.35	2	0.04
S2-D1-2	14	0.48	6	0.21	7	0.24	2	0.07
S2-D1-3	10	0.26	20	0.53	2	0.05	6	0.16
S2-D2-1	4	0.21	8	0.42	3	0.16	4	0.21
S2-D2-2	16	0.47	0	0.00	10	0.29	8	0.24
S2-D2-3	21	0.54	5	0.13	13	0.33	0	0.00
S2-R1	18	0.40	12	0.27	9	0.20	6	0.13
S2-R2	11	0.41	4	0.15	10	0.37	2	0.07
S2-R3	35	0.66	11	0.21	3	0.06	4	0.08
S2-R4	37	0.71	5	0.10	3	0.06	7	0.13
S2-R5	65	0.46	7	0.05	44	0.31	24	0.17
S2-R6	8	1.00	0	0.00	0	0.00	0	0.00
S2-R7	97	0.55	22	0.12	47	0.27	11	0.06

F4. HARD BOTTOM PHOTOGRAPHS

Figure F4-1. Low relief hard bottom with hydrozoans, small encrusting sponges, and algae.

Figure F4-2. Low relief hard bottom with "red polyp" octocoral (*Swiftia exserta*) and tan branching octocoral (*Muricea* sp.).

Figure F4-3. Low relief hard bottom with “sea plume” octocoral (*Pseudopterogorgia* sp.).

Figure F4-4. Low relief hard bottom with “deepwater sea fan” octocoral (*Iciligorgia schrammi*).

Figure F4-5. Low relief hard bottom with “blushing star coral” colony (*Stephanocoeniz intersepts*).

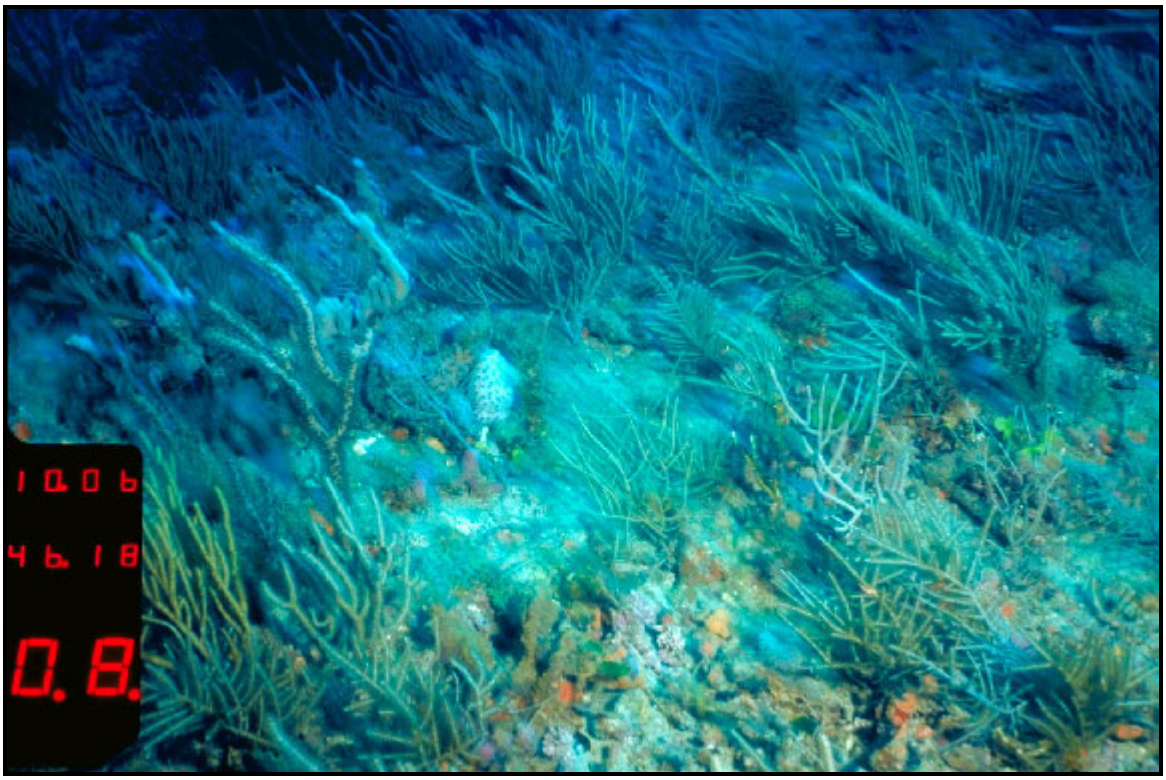

Figure F4-6. High relief hard bottom with dense octocorals.

Figure F4-7. High relief hard bottom with dense octocorals.

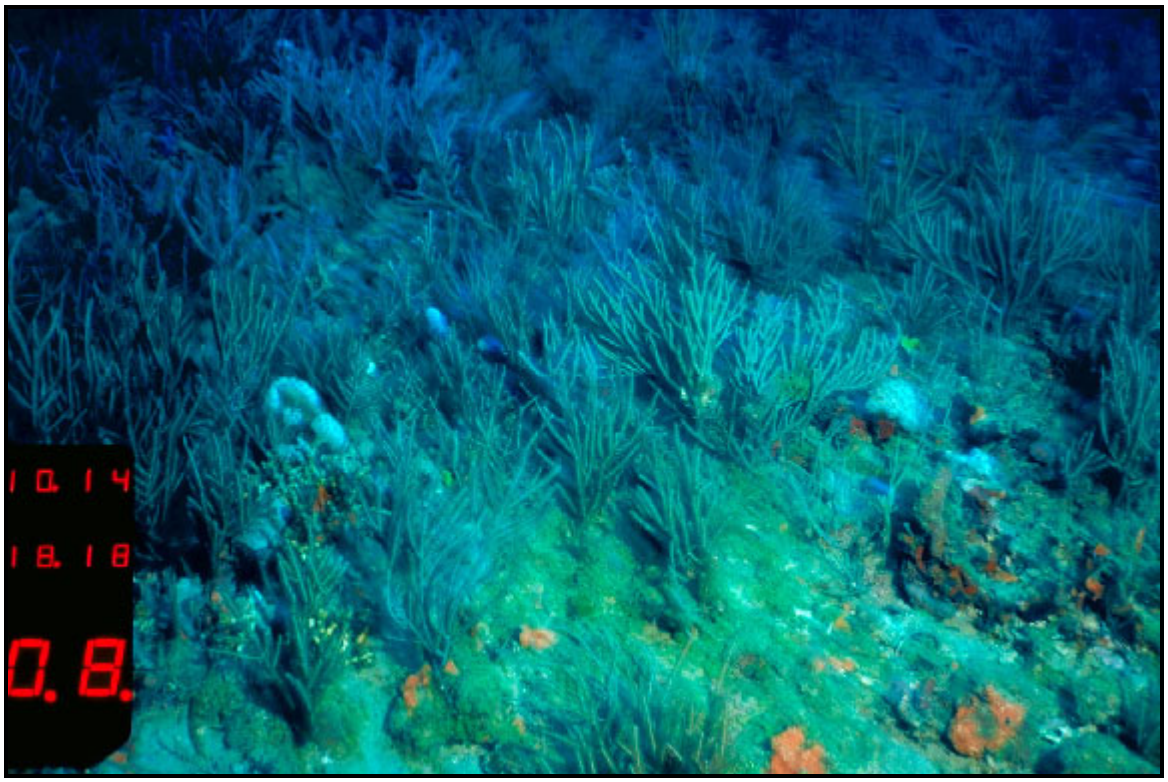

Figure F4-8. High relief hard bottom with dense octocorals.

Figure F4-9. High relief hard bottom.

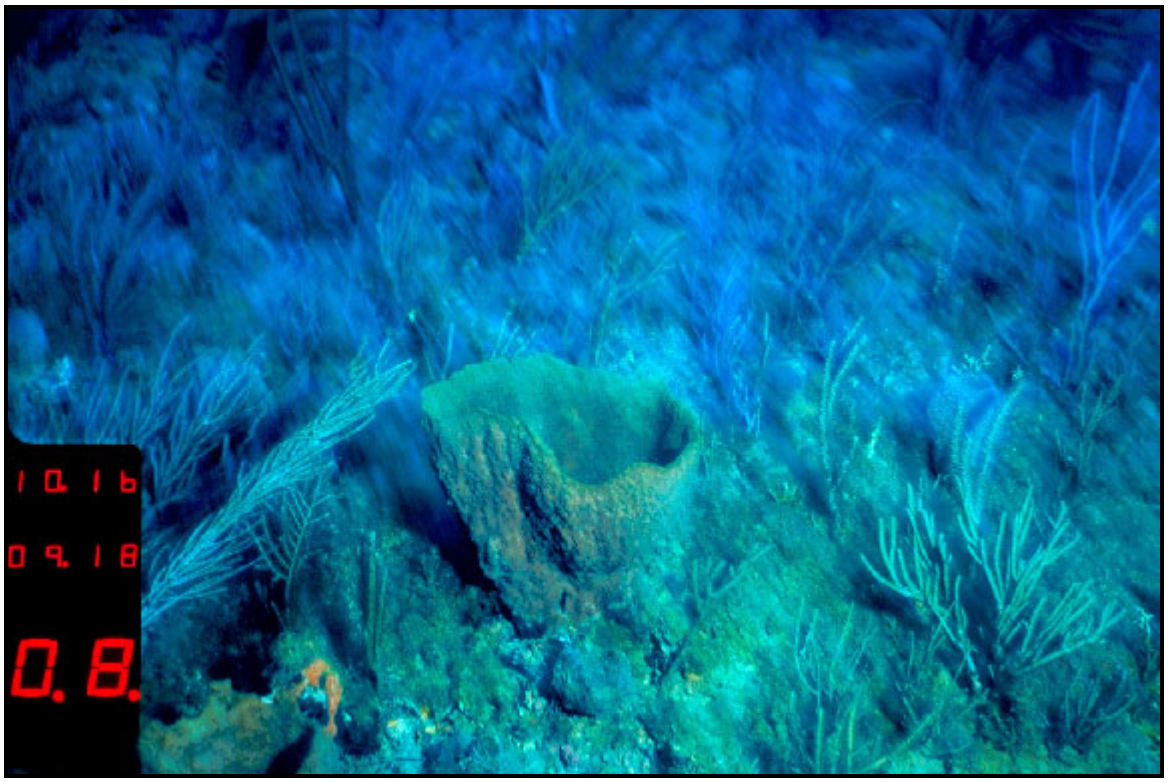

Figure F4-10. High relief hard bottom with dense octocorals and a large vase sponge (*Ircinia* sp.).

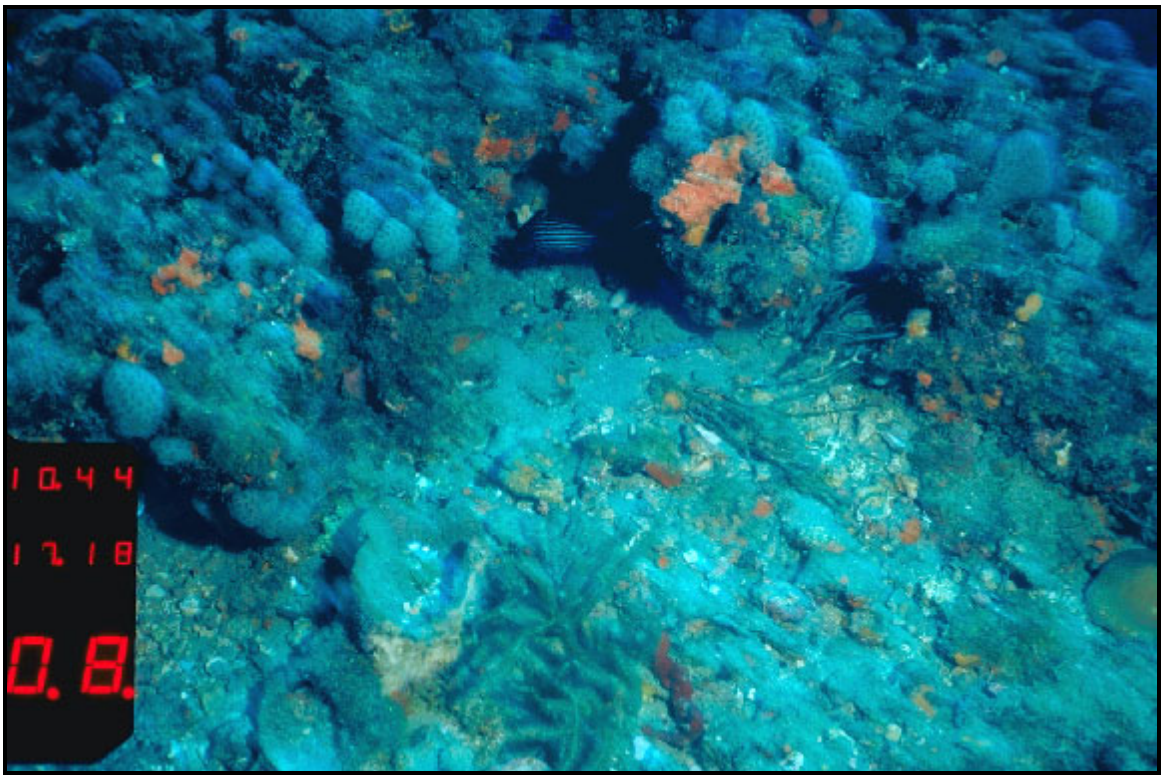

Figure F4-11. Medium relief hard bottom ledges with algae, sponges, octocorals, and ascidians (*Eudistoma* sp.).

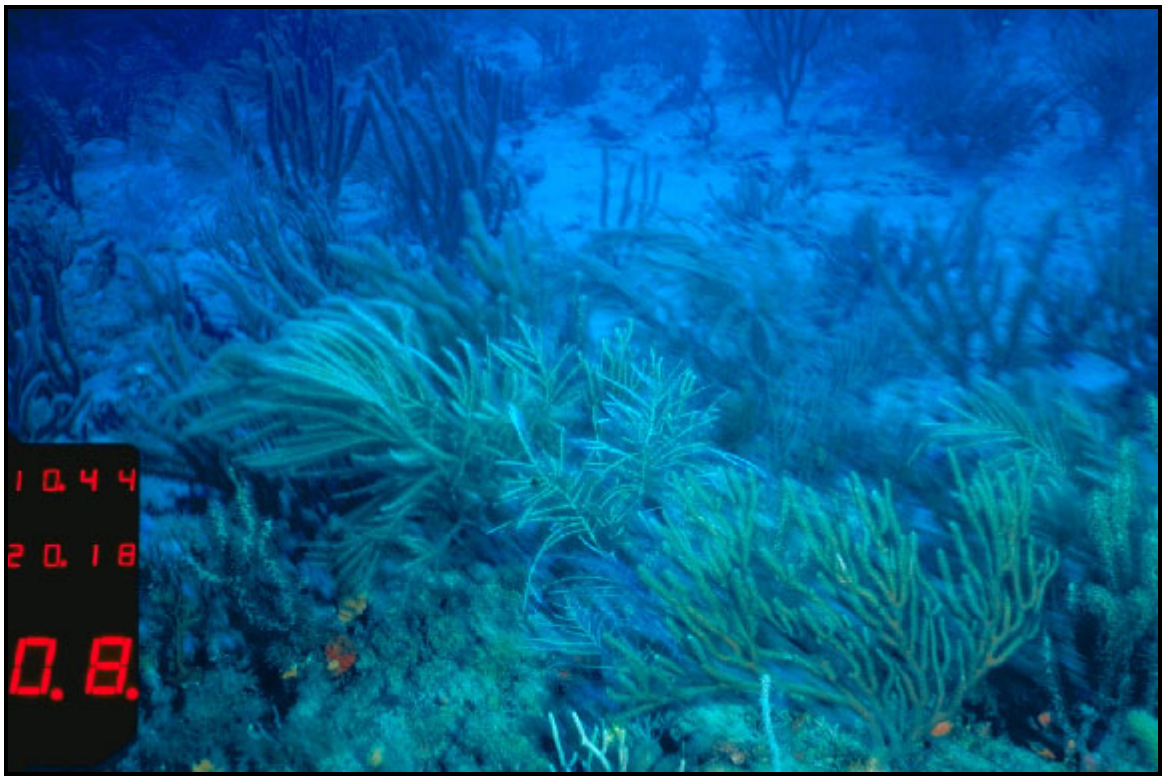

Figure F4-12. Medium relief hard bottom with dense octocorals.

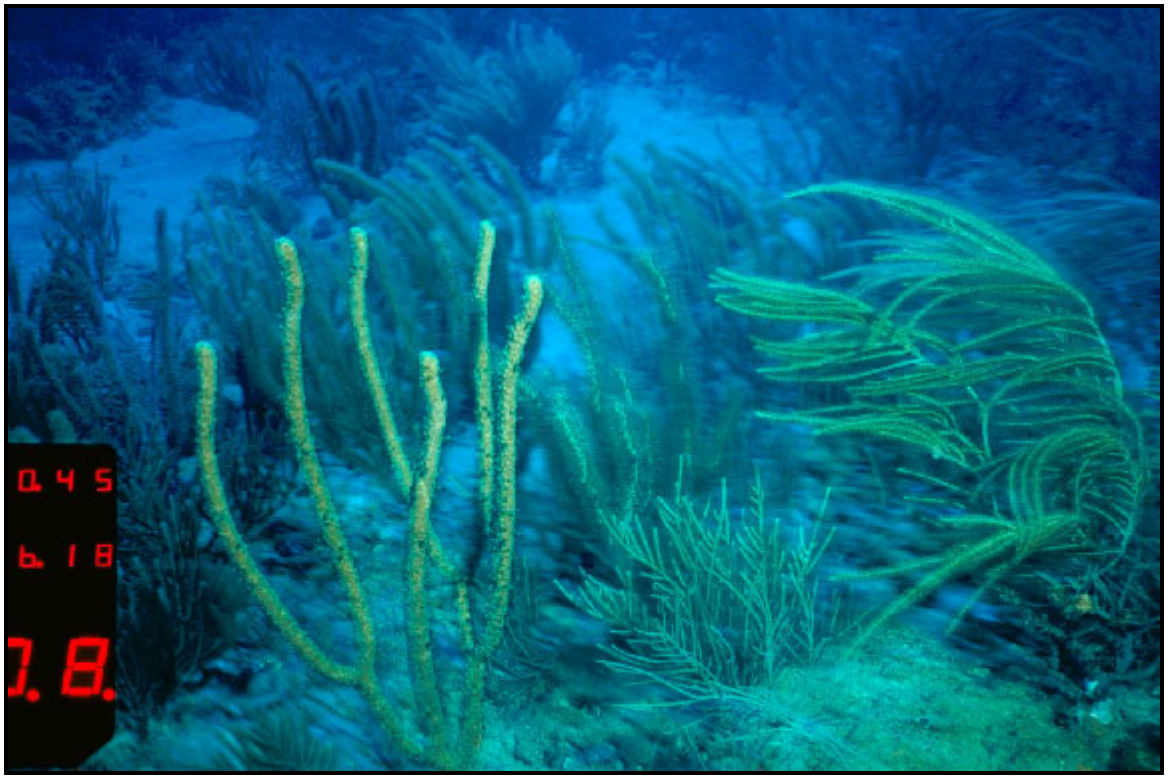

Figure F4-13. High relief hard bottom with "sea rod" (*Plexaurella* sp.) and "sea plume" (*Pseudopterogorgia* sp.) octocorals.

Figure F4-14. Low relief hard bottom with algae, sponges, octocorals, and ascidians (Eudistoma sp.).

Figure F4-15. Medium relief hard bottom with dense *Sargassum* algae.

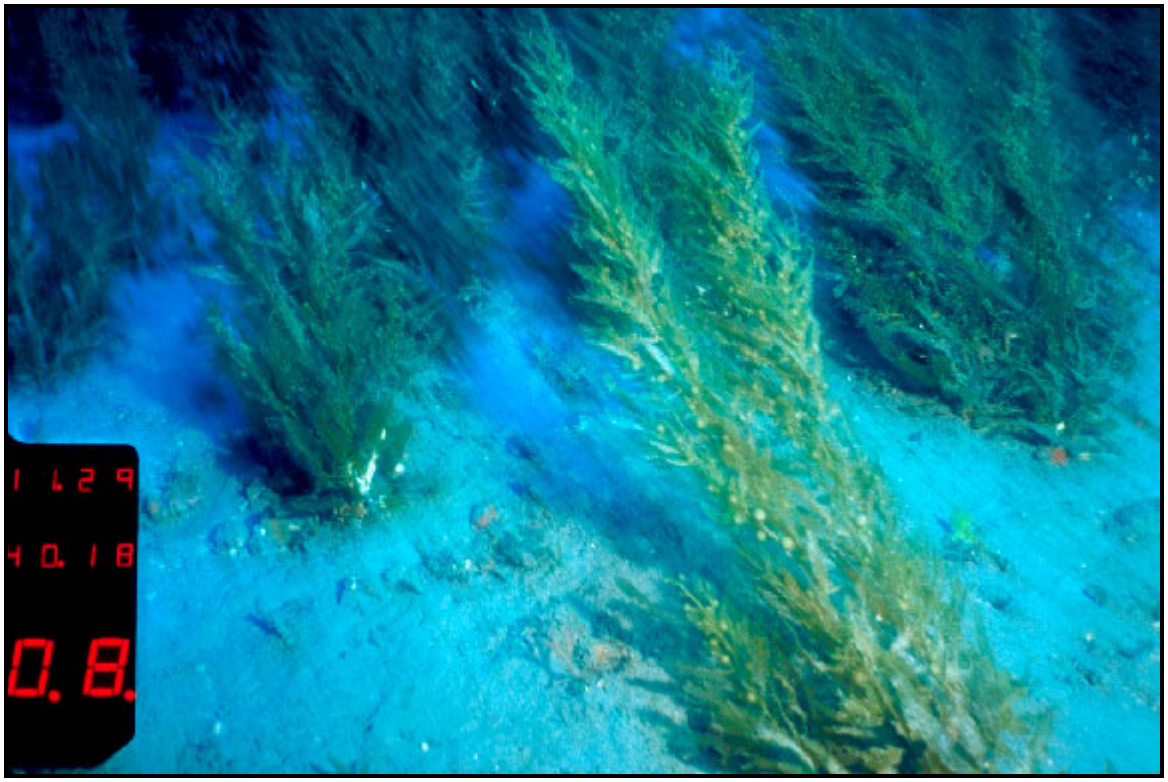

Figure F4-16. Medium relief hard bottom with dense *Sargassum* algae.

Figure F4-17. Low relief hard bottom with sparse octocorals.

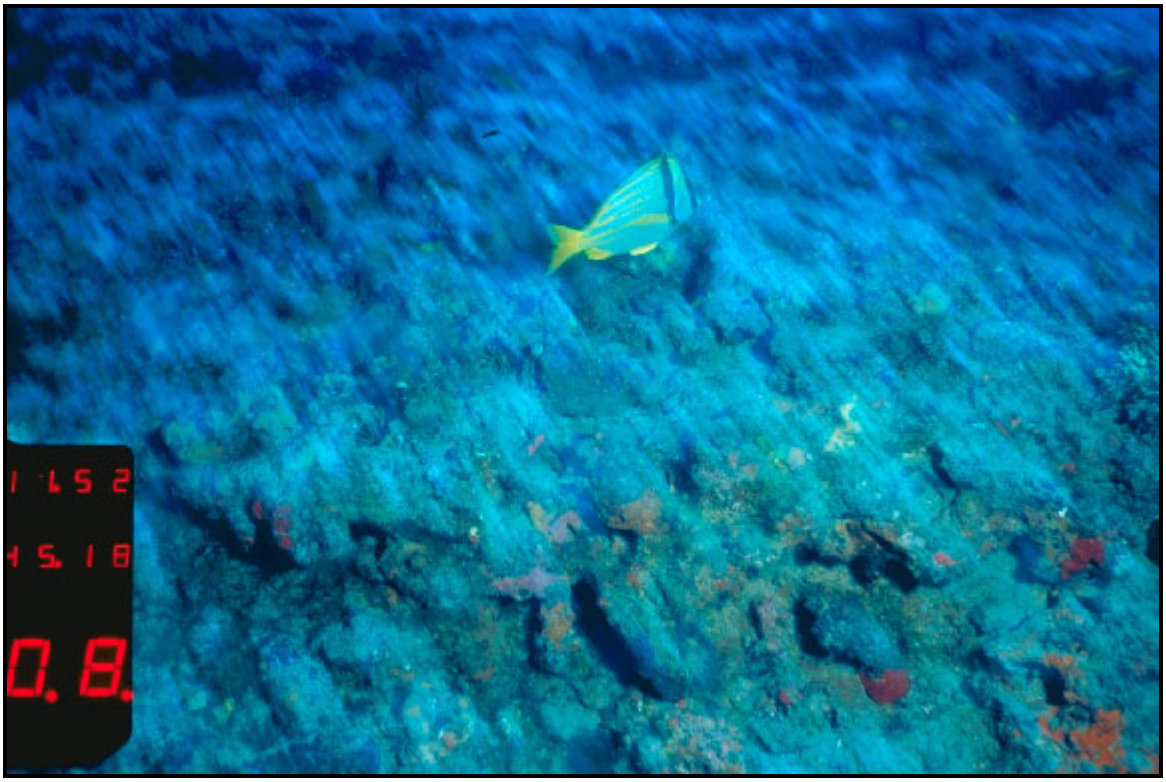

Figure F4-18. A porkfish (*Anisotremus virginicus*) swims over medium relief hard bottom.

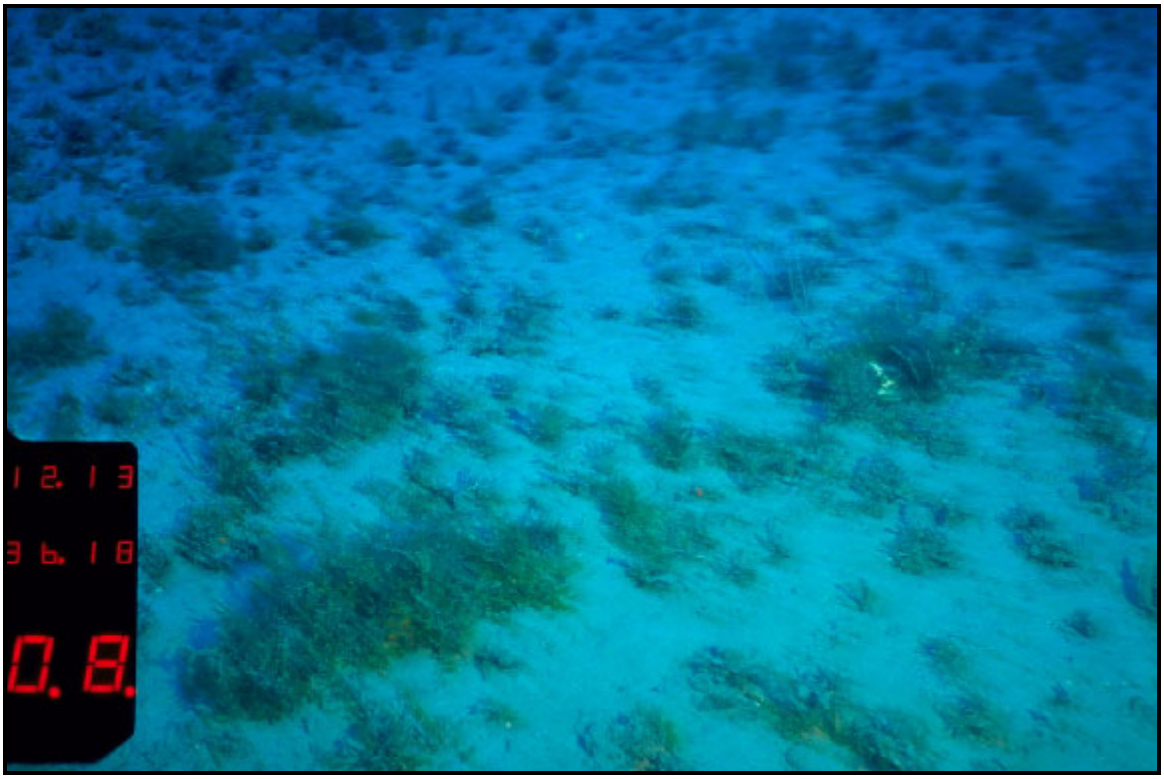

Figure F4-19. Low relief hard bottom with algae (including *Dictyota* sp.) and hydrozoans.

Figure F4-20. Low relief hard bottom with vase sponges (*Ircinia* sp.).

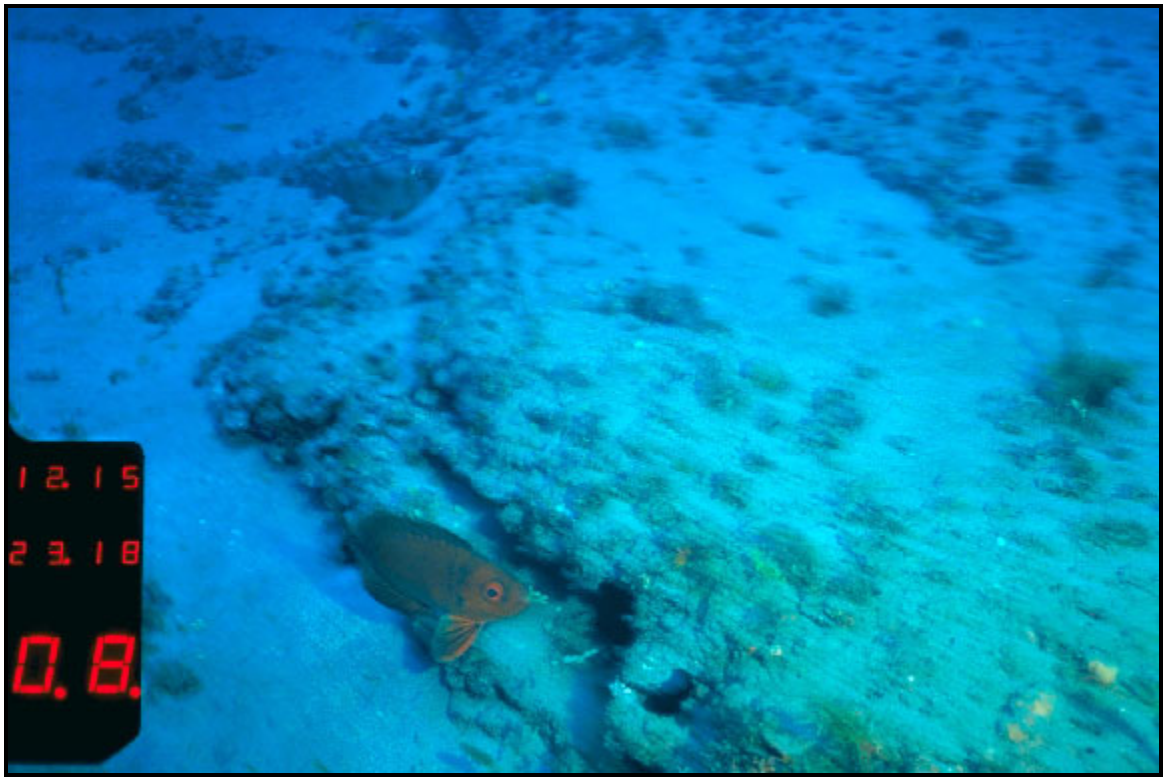

Figure F4-21. A bigeye (*Priacanthus arenatus*) by a low relief ledge.

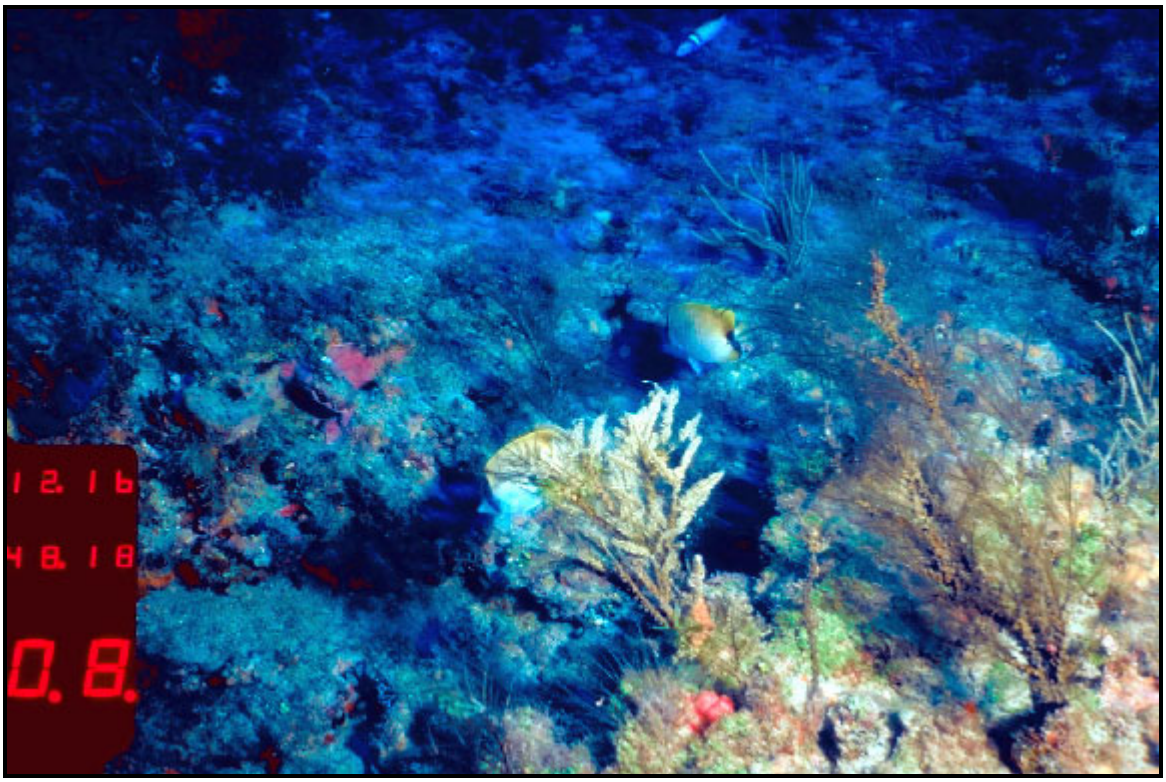

Figure F4-22. Medium relief hard bottom with algae, hydrozoans, octocorals, sponges, bluehead wrasse (*Thalassoma bifasciatum*), and reef butterflyfish (*Chaetodon sedentarius*).

Figure F4-23. Low relief hard bottom with algae and hydrozoans.

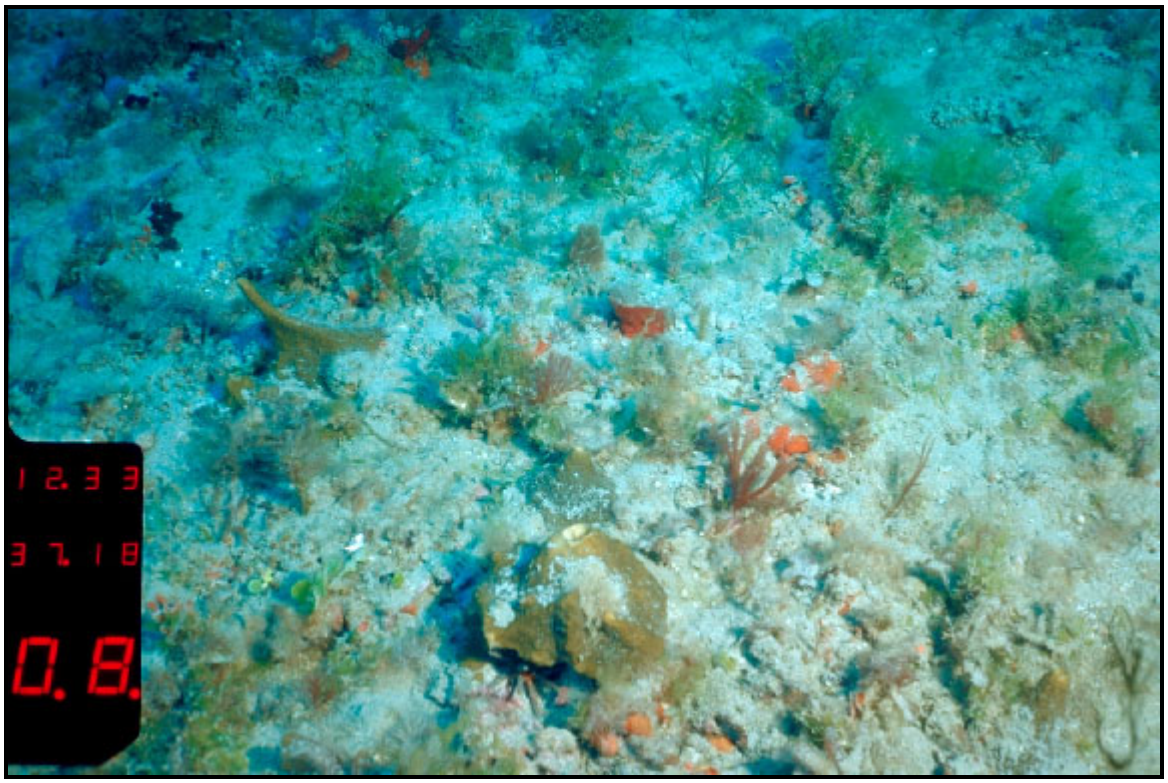

Figure F4-24. Low relief hard bottom with algae and sponges.

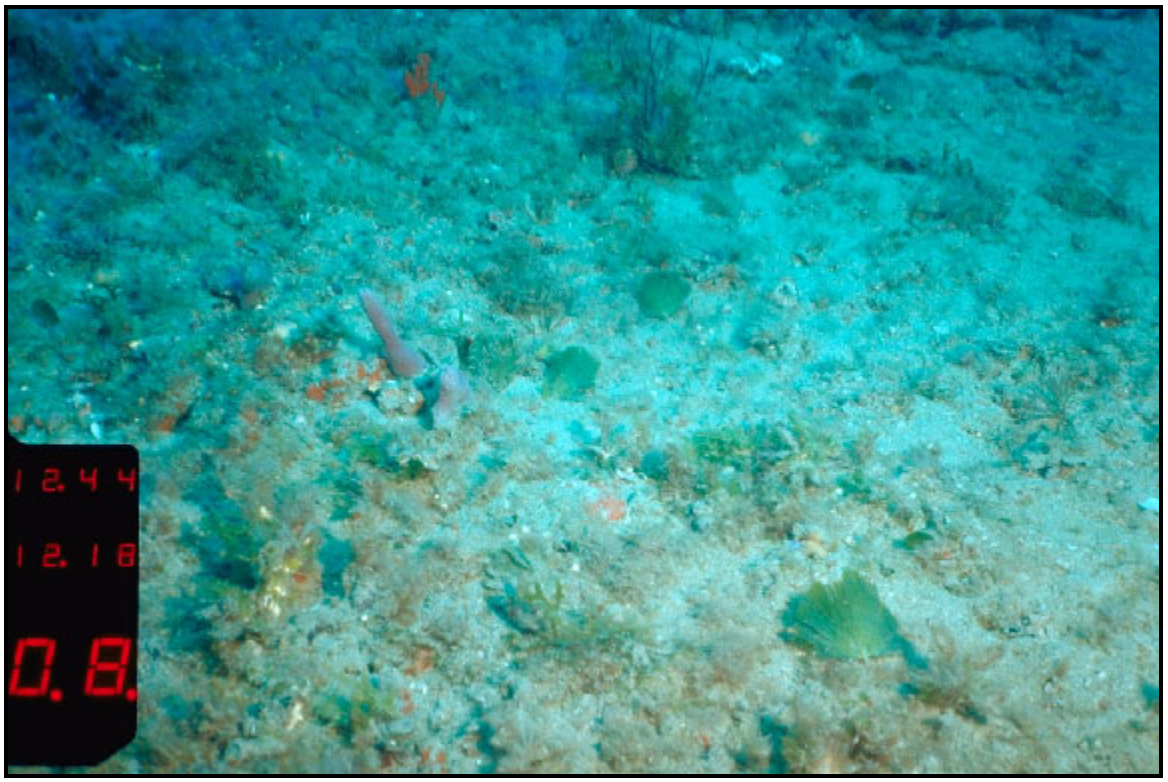

Figure F4-25. Low relief hard bottom with brown algae (*Dictyota* sp.), green algae (*Avrainvillea* sp.), hydrozoans, and sponges.

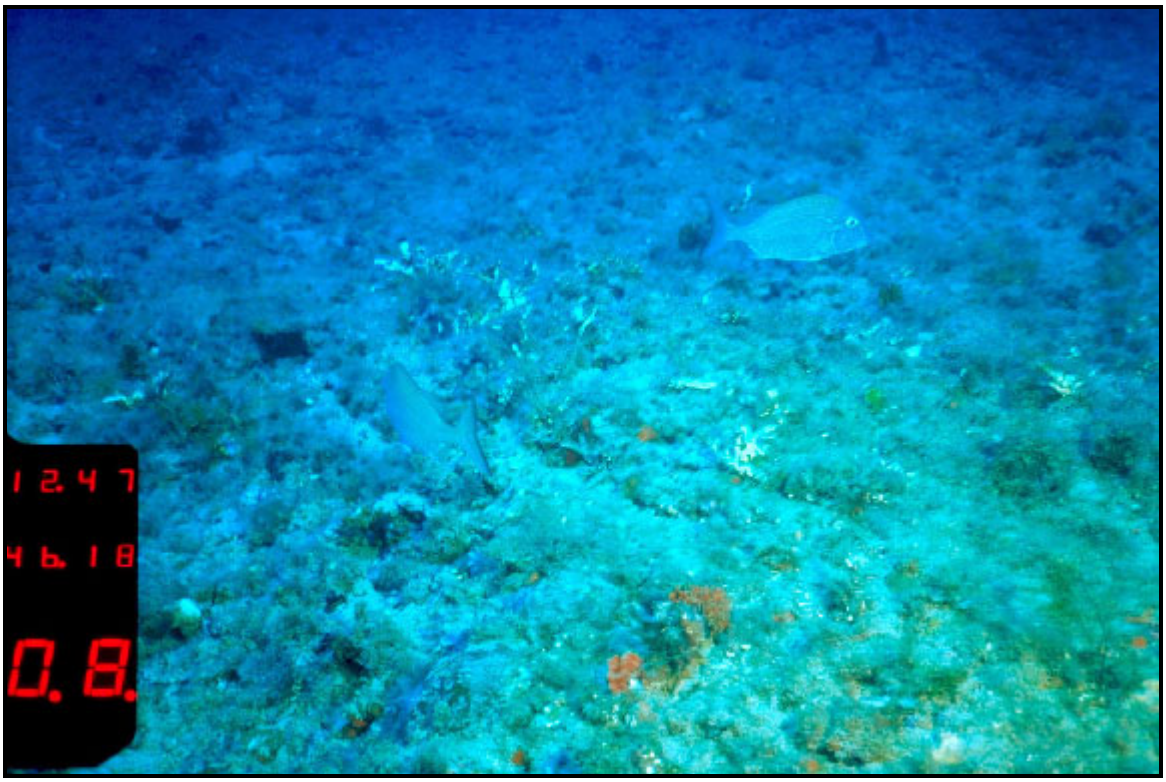

Figure F4-26. Porgies (*Calamus* sp.) over low relief hard bottom.

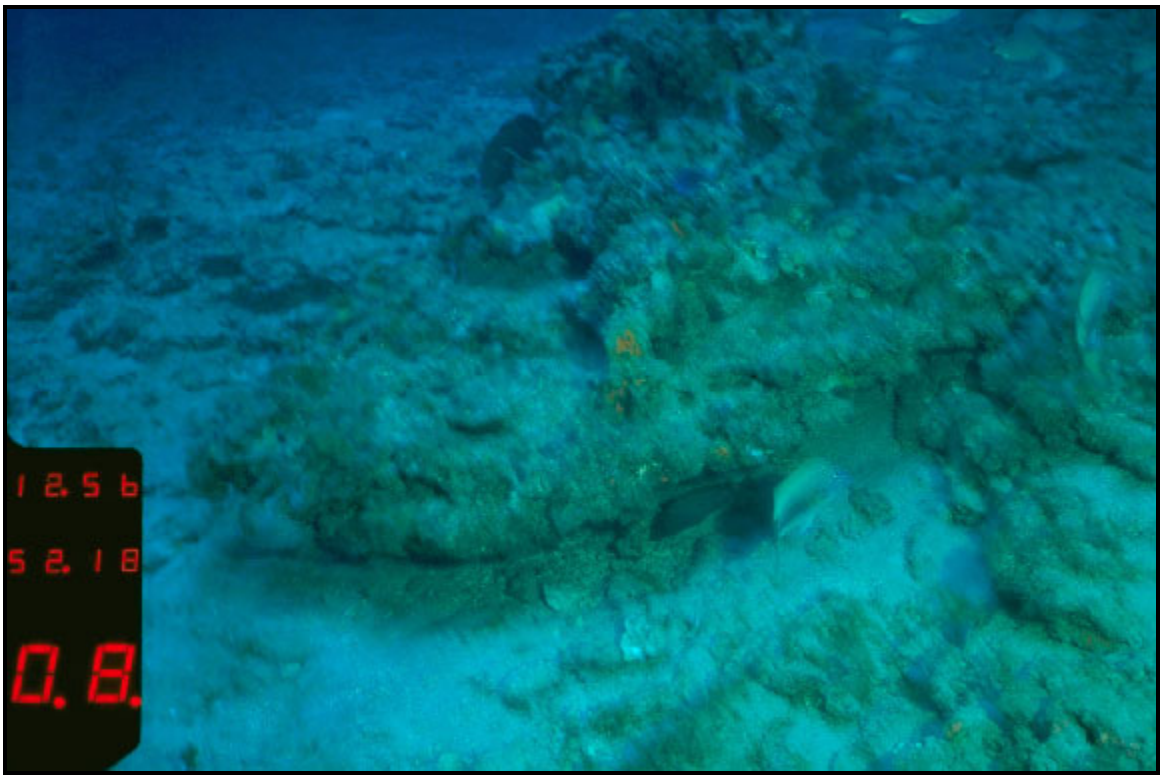

Figure F4-27. Cubbyu (*Equetus umbrosus*) and white grunt (*Haemulon plumieri*) (foreground) by small ledge and a black grouper (*Mycteroperca bonaci*) (background).

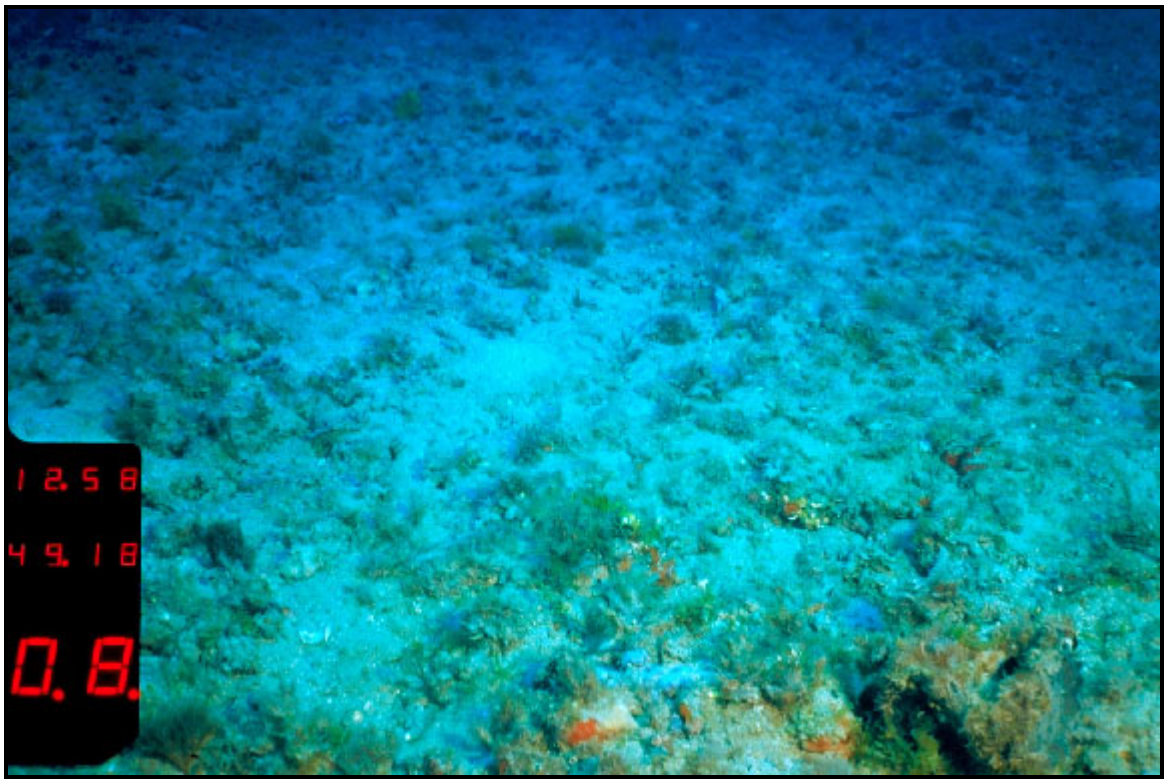

Figure F4-28. Low relief hard bottom with algae and sponges.

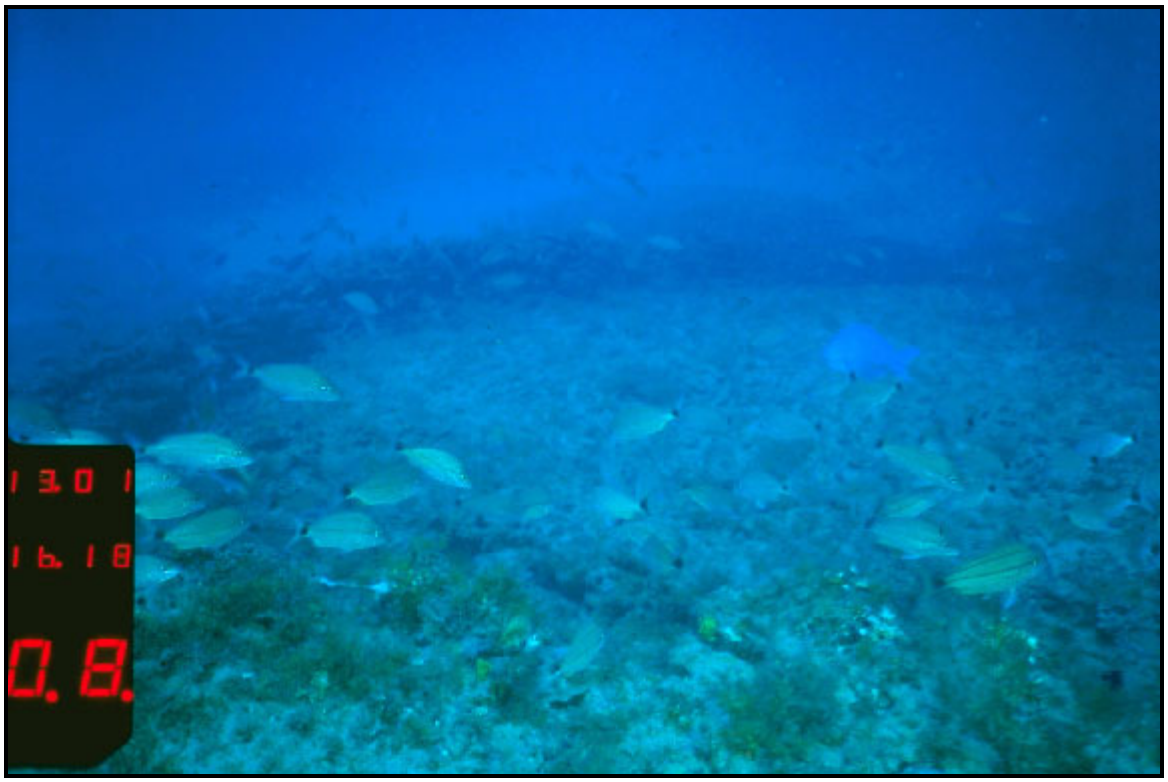

Figure F4-29. School of tomtates (*Haemulon aurolineatum*) and a blue tang (*Acanthurus coeruleus*) hover over medium relief hard bottom.

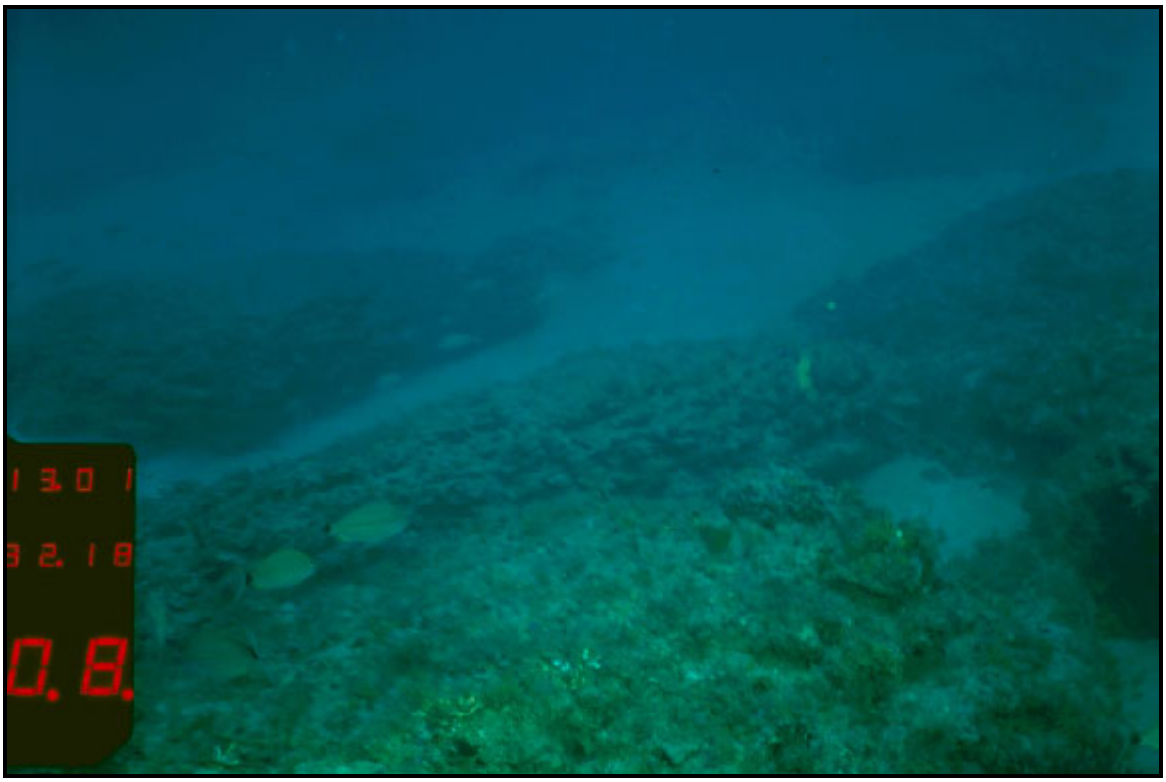

Figure F4-30. Medium relief hard bottom.

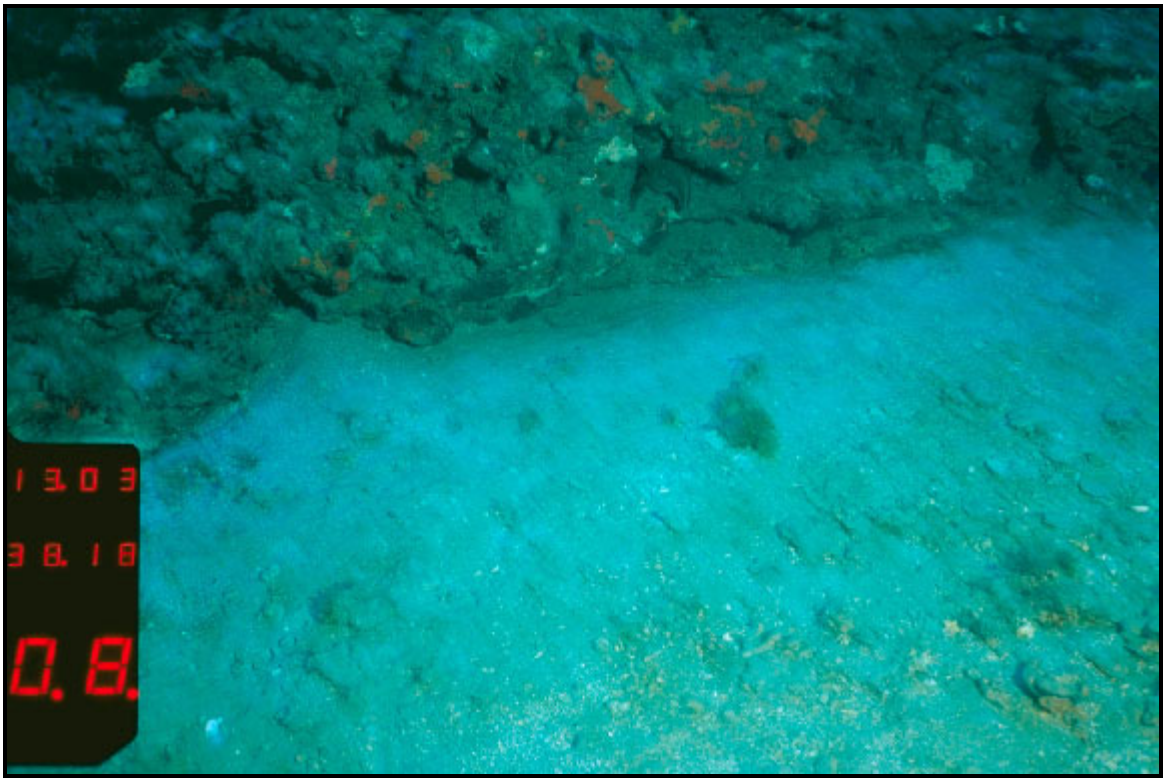

Figure F4-31. A spotted soapfish (*Rypticus maculatus*) hiding in a medium relief hard bottom ledge.

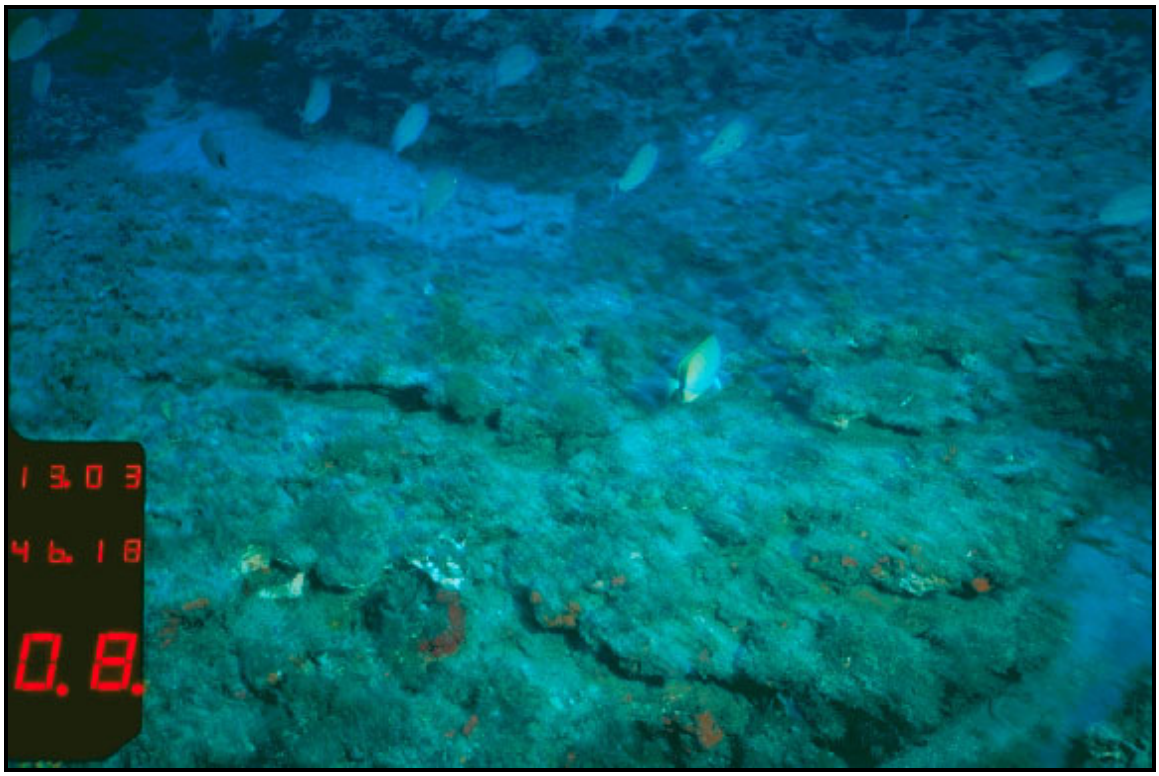

Figure F4-32. Reef butterflyfish (*Chaetodon sedentarius*) (foreground), and tomtate (*Haemulon aurolineatum*) and lane snapper (*Lutjanus synagris*) (background) over medium relief hard bottom.

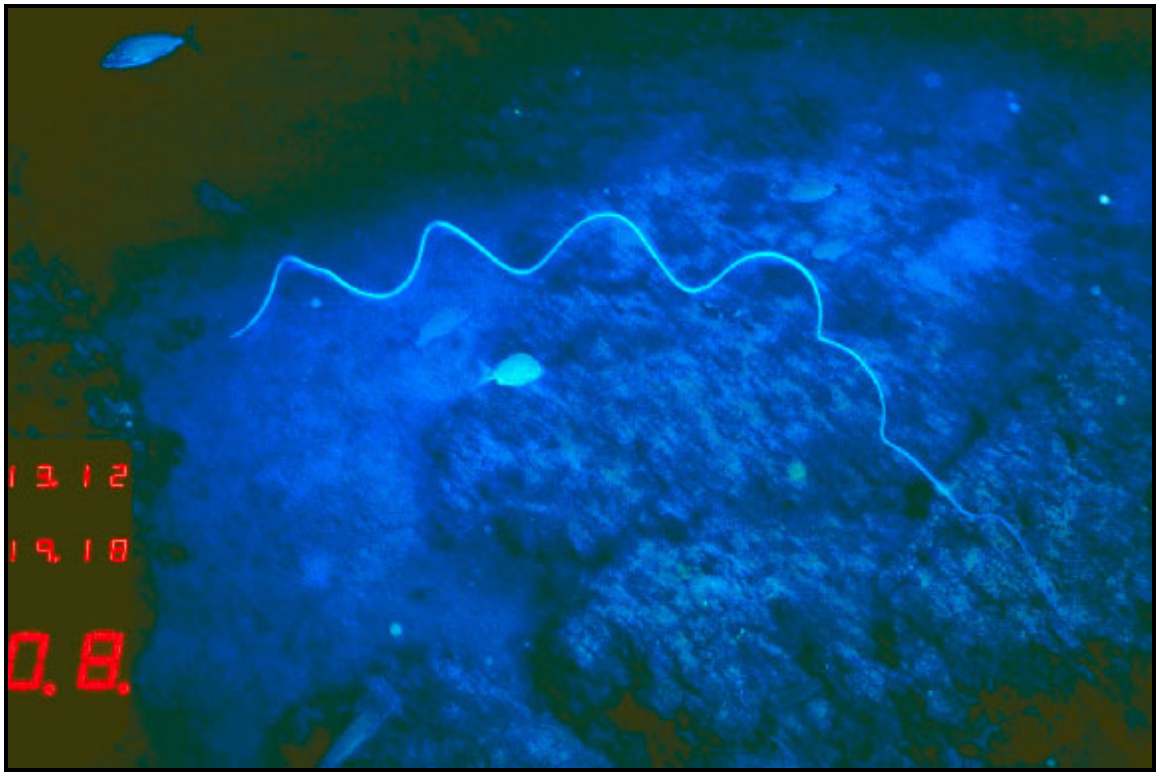

Figure F4-33. Medium relief hard bottom with algae, ascidians, hydrozoans, and sponges.

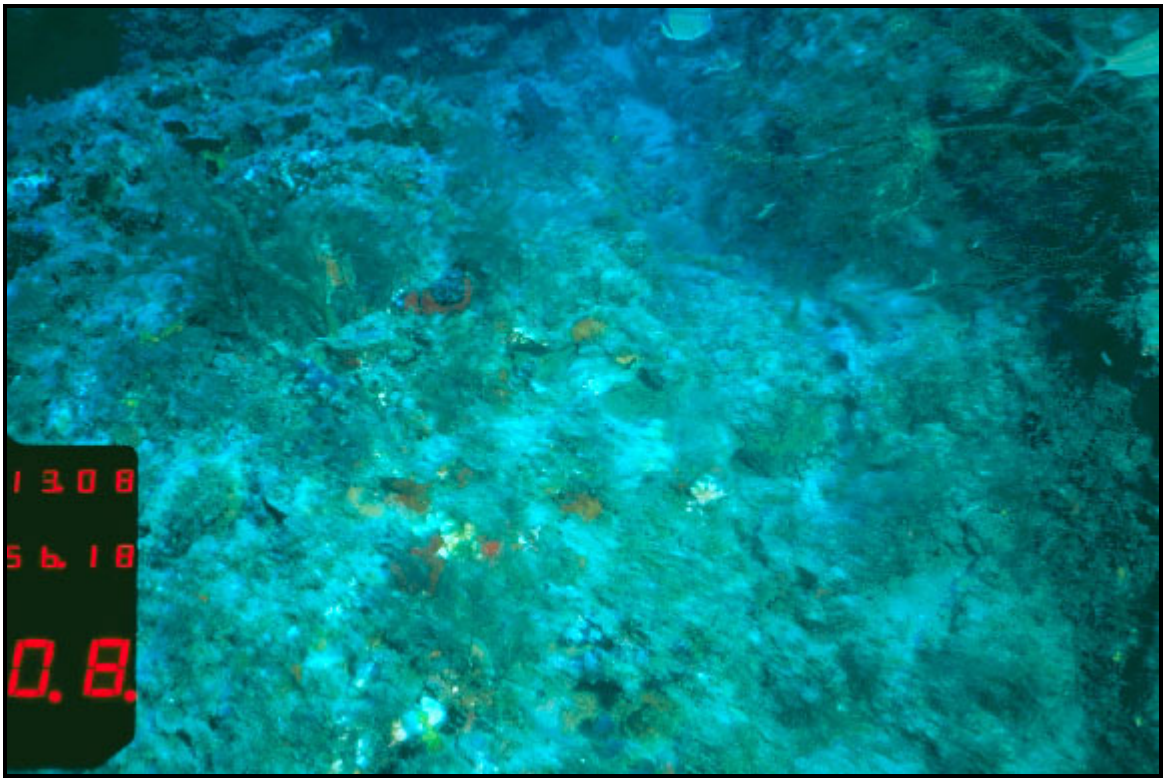

Figure F4-34. High relief hard bottom outcrop with a "spiral sea whip" octocoral (*Ellisella* sp.)

Figure F4-35. Low relief hard bottom covered with sediment.

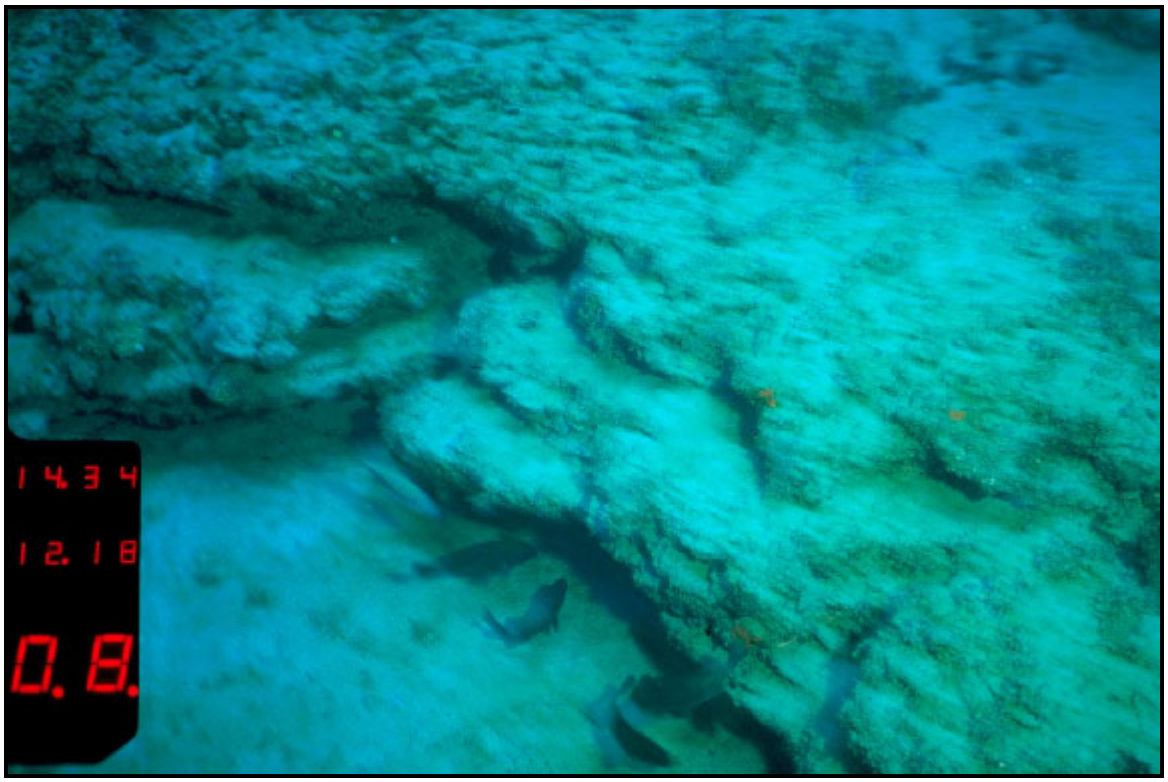

Figure F4-36. Cubbyus (*Equetus umbrosus*) and a white grunt (*Haemulon plumieri*) around medium relief hard bottom ledge covered with sand.

Figure F4-37. Low relief hard bottom with algae (including *Dictyota* spp.).

Figure F4-38. Low relief hard bottom with algae, scattered pen shells (*Pinna* sp.?), and sea cucumber (*Isostichopus* sp.).

Figure F4-39. Low relief hard bottom with algae and octocorals (*Lophogorgia* sp.).

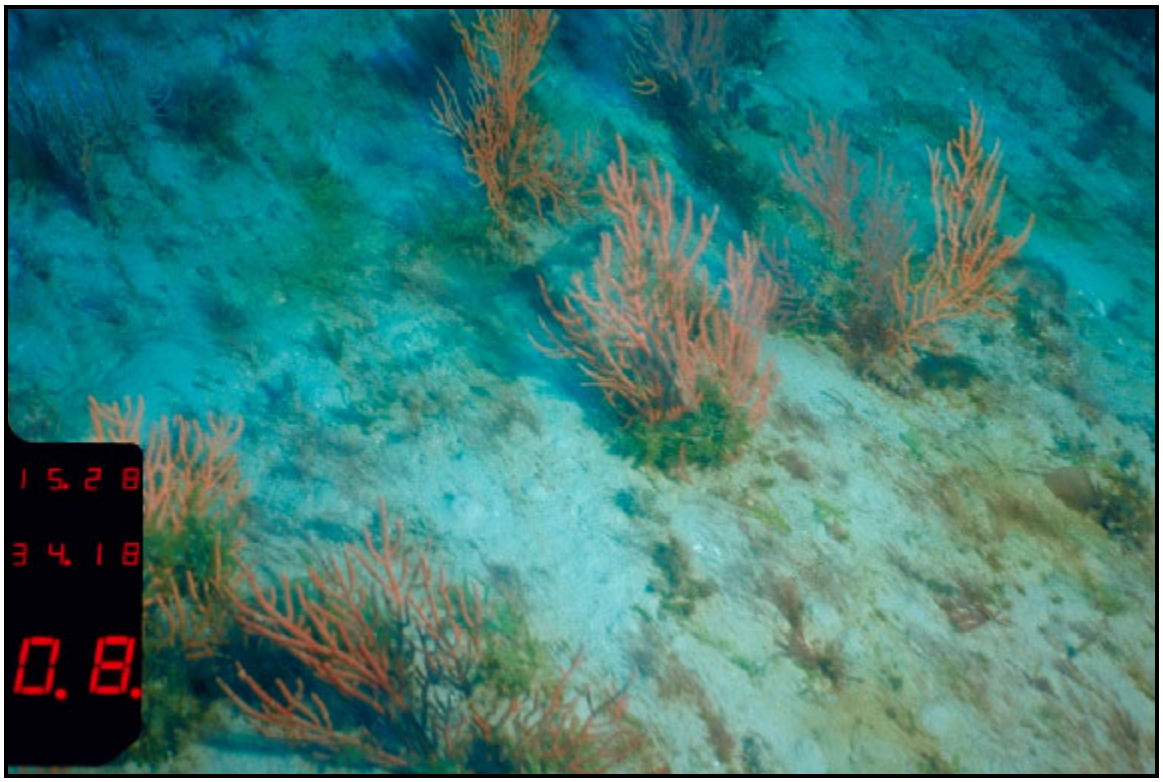

Figure F4-40. Low relief hard bottom with algae and octocorals (*Lophogorgia* sp.).

Figure F4-41. Sediment covered low relief hard bottom with algae (*Dictyota* sp.).

Figure F4-42. Medium relief hard bottom ledge with algae (*Dictyota* sp.).

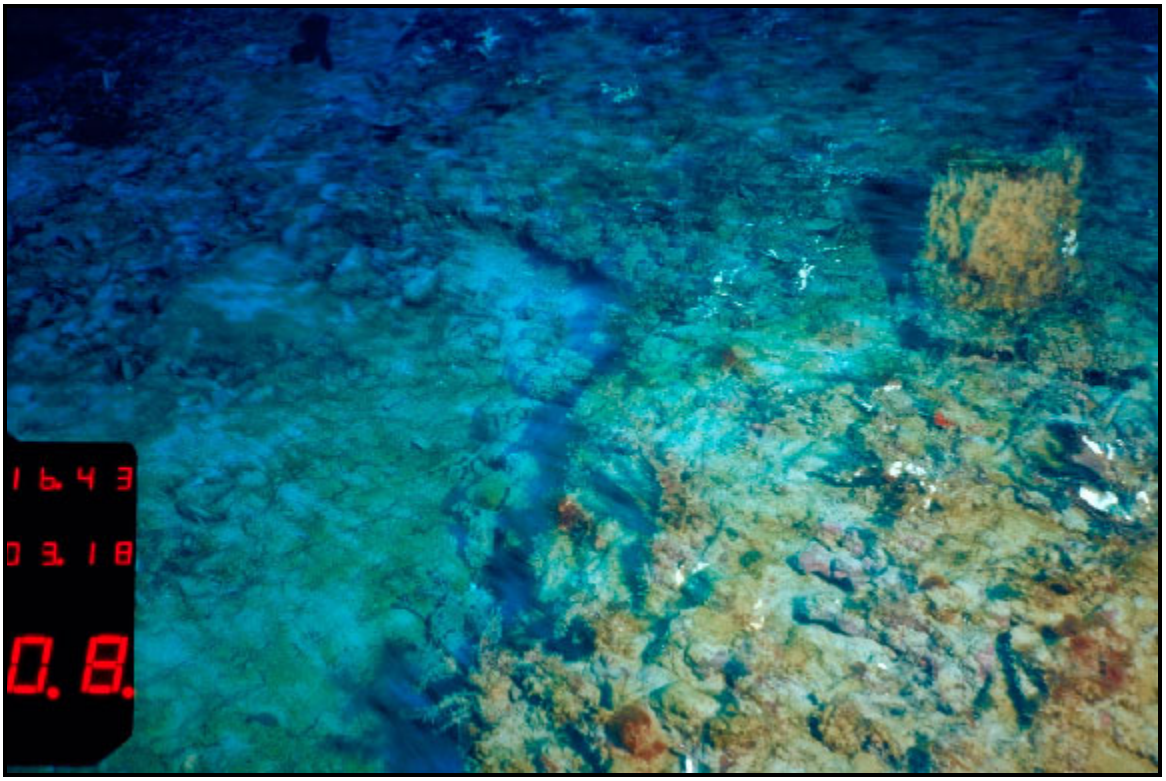

Figure F4-43. Large sponge (*Ircinia* sp.) on medium relief hard bottom.

Figure F4-44. Pen shell (*Pinna* sp.?) accumulation near low relief hard bottom.

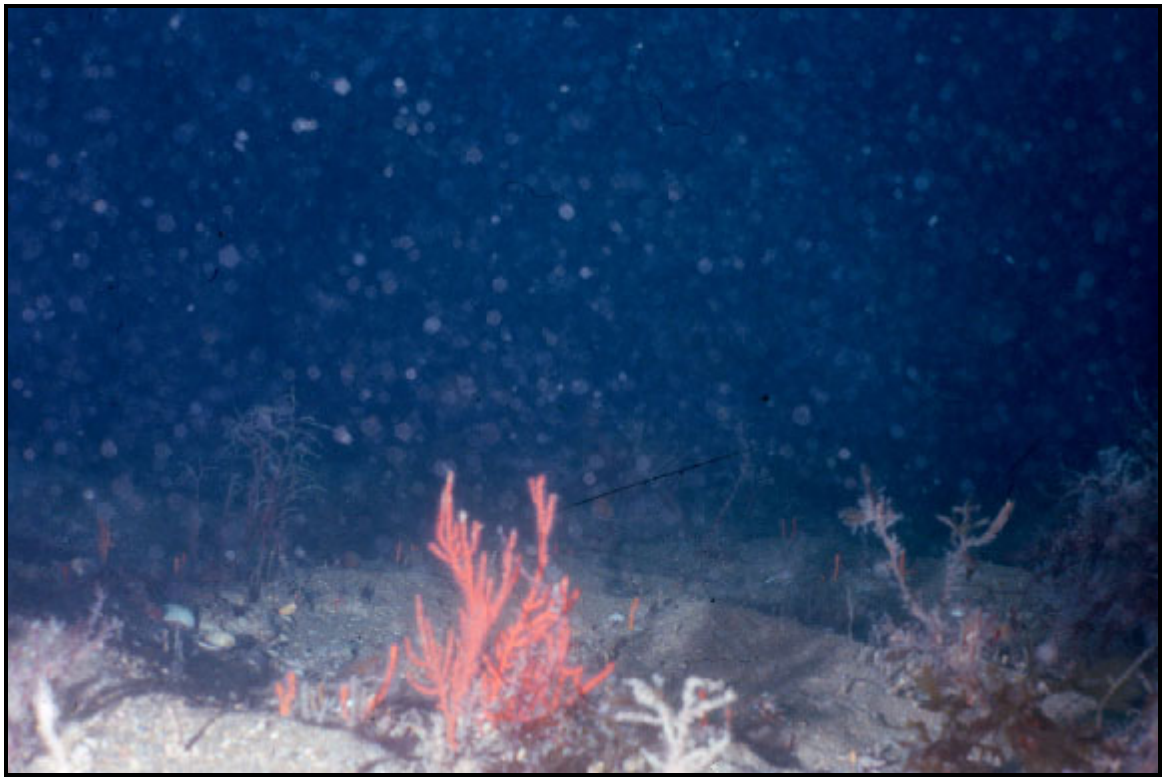

Figure F4-45. Low relief hard bottom area covered with sediment.

Figure F4-46. Medium relief hard bottom ledge with algae, sponges, and octocorals (*Lophogorgia* sp.).

Figure F4-47. Sand bottom with scattered shell fragments.

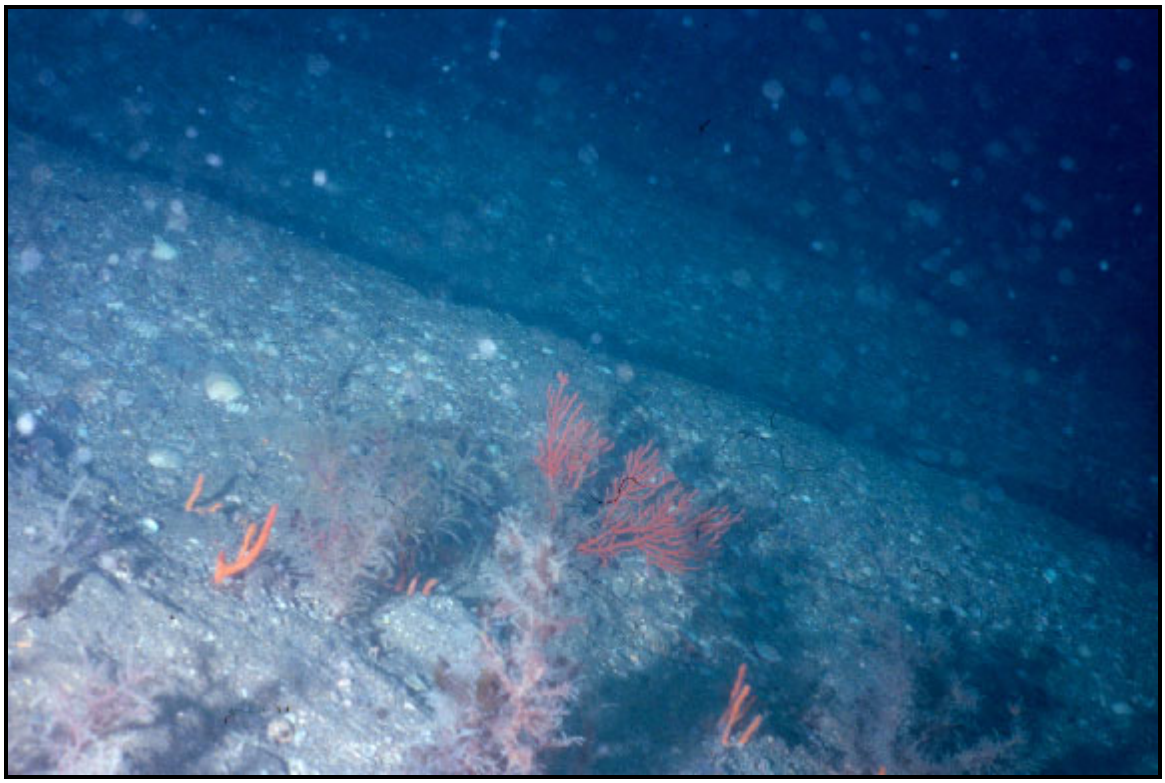

Figure F4-48. Low relief hard bottom with algae and octocorals (*Lophogorgia* sp.).

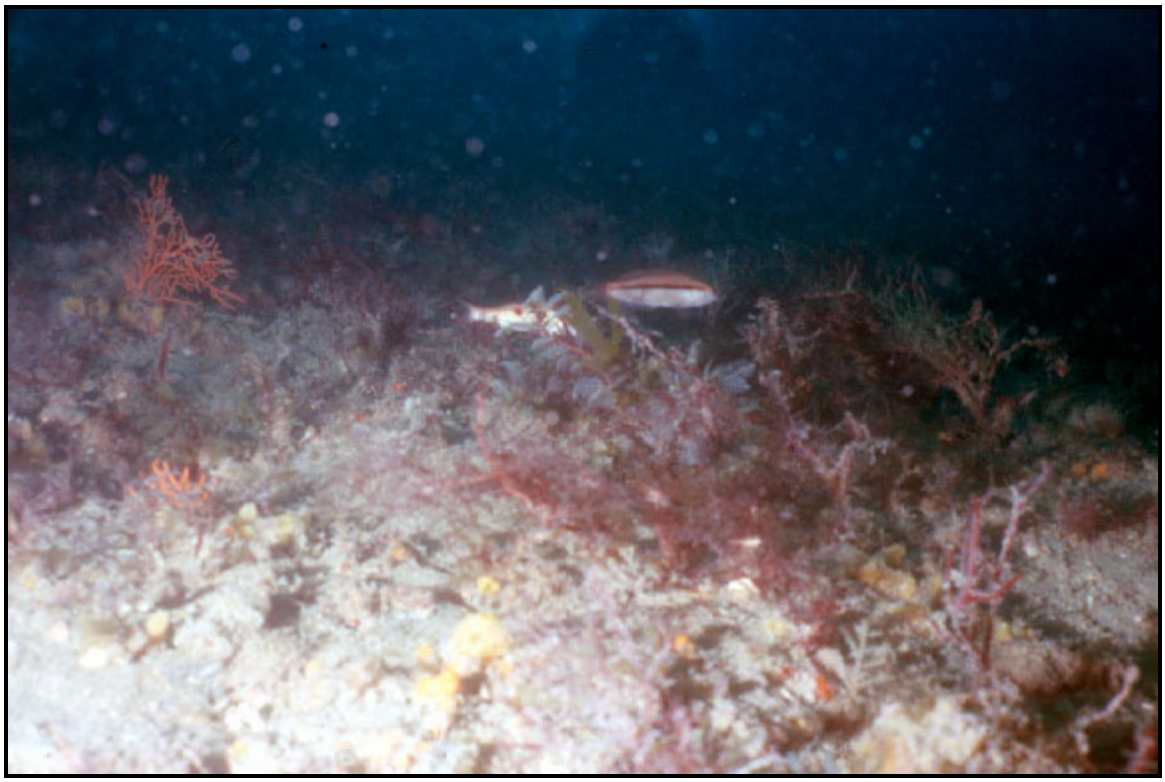

Figure F4-49. A slippery dick (*Halichoeres bivitattus*) and spotted goatfish (*Pseudupeneus maculatus*) swim above a medium relief hard bottom area.

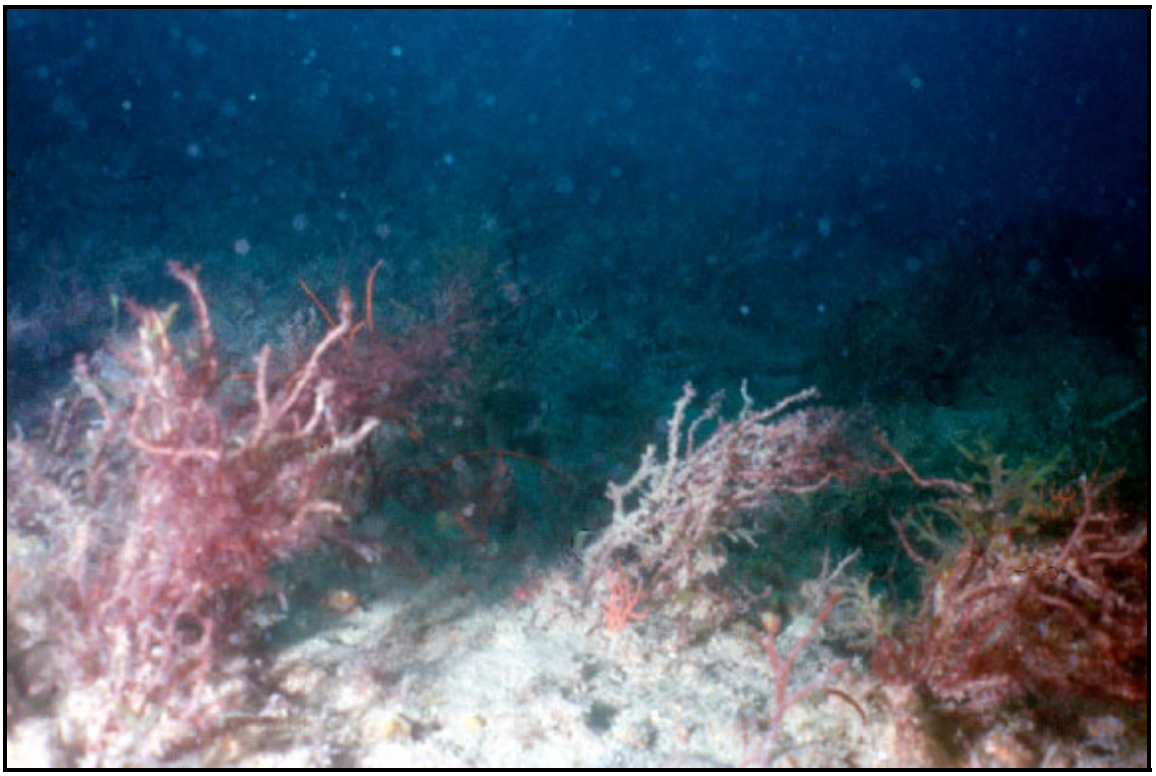

Figure F4-50. Low relief hard bottom with red algae (*Gracilaria* sp.), sponges, and octocorals protruding from sediment layer.

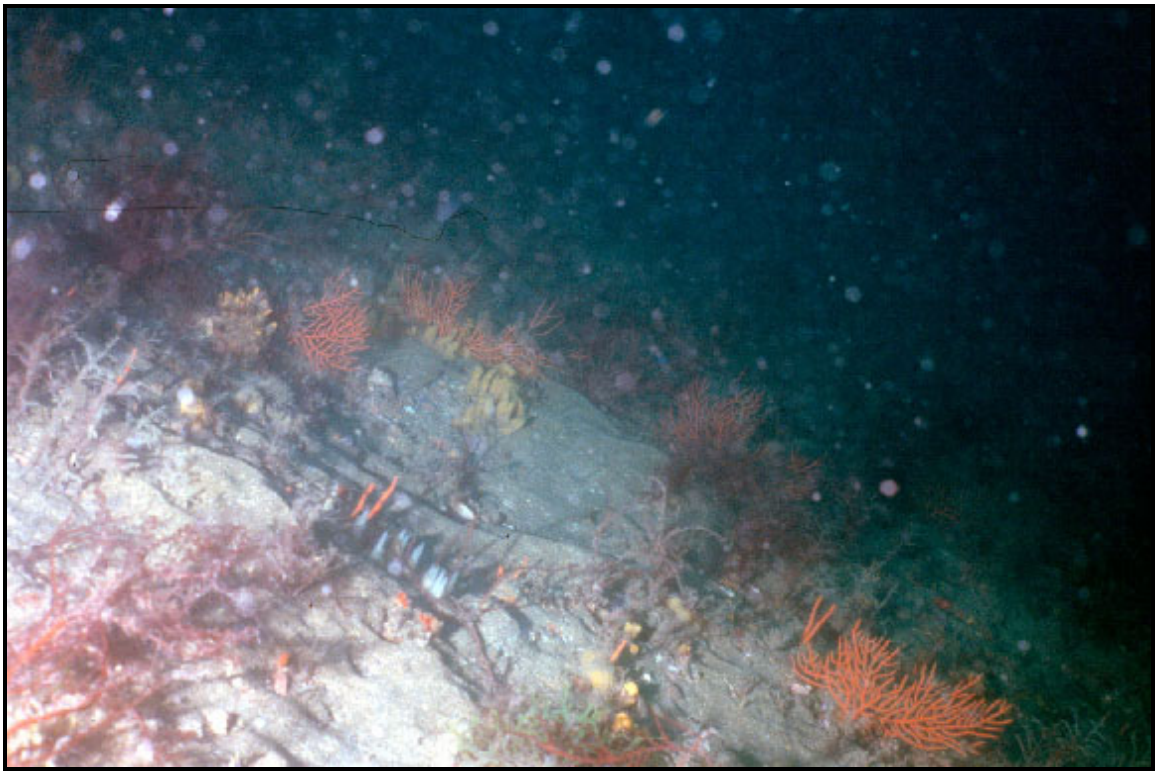

Figure F4-51. Low relief hard bottom with algae, sponges, and octocorals (*Lophogorgia* sp.) covered with sand.

Figure F4-52. Low relief hard bottom area with hydrozoans, red algae (*Gracilaria*), and sponges.

Figure F4-53. Cubbyu (*Equetus umbrosus*) under ledge.

Figure F4-54. A school of tomtate (*Haemulon aurolineatum*) swims above a medium relief outcrop.

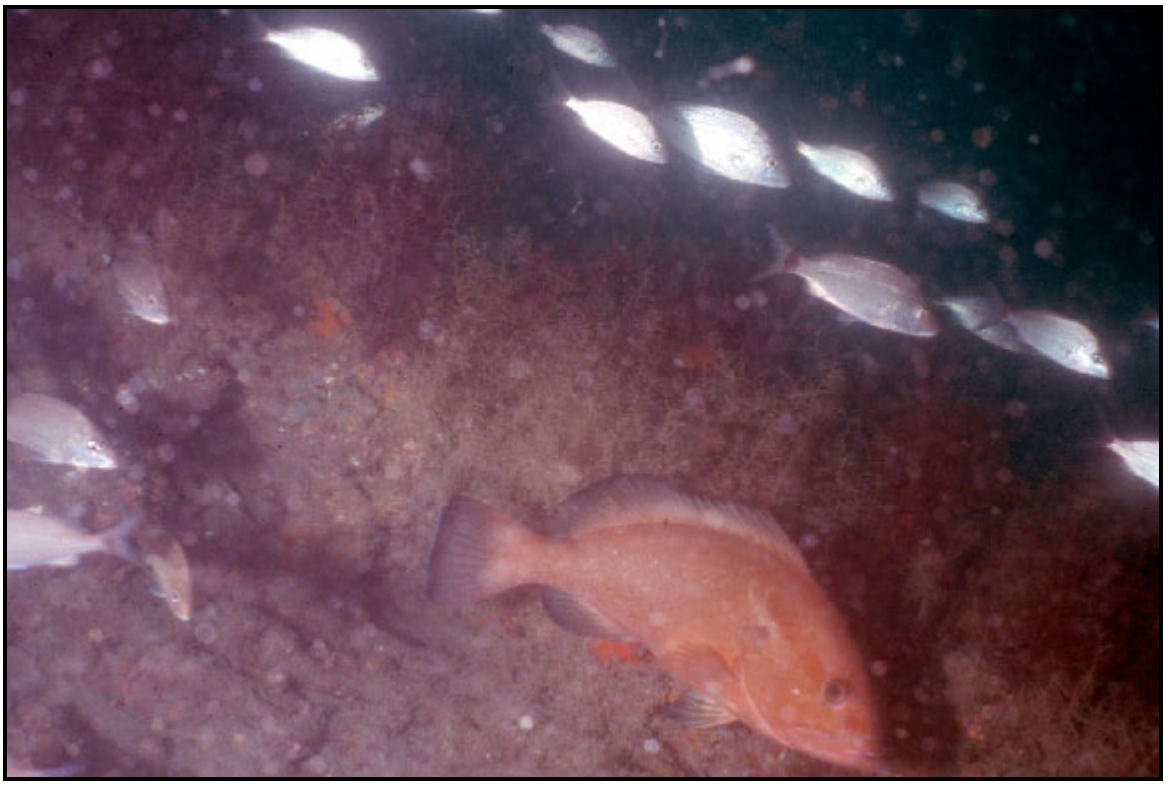

Figure F4-55. Medium relief hard bottom with tomtates (*Haemulon aurolineatum*) and a red grouper (*Epinephelus morio*).

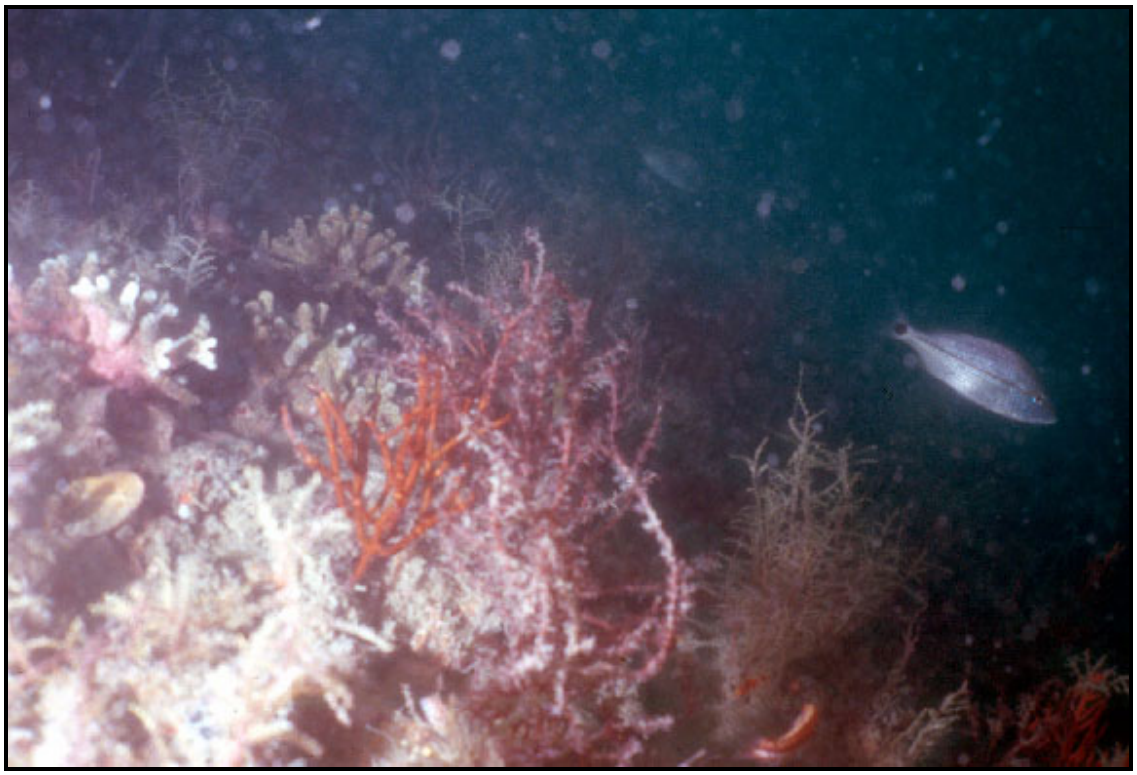

Figure F4-56. Medium relief hard bottom with red algae, hydrozoans, and stony corals (*Oculina* sp.).

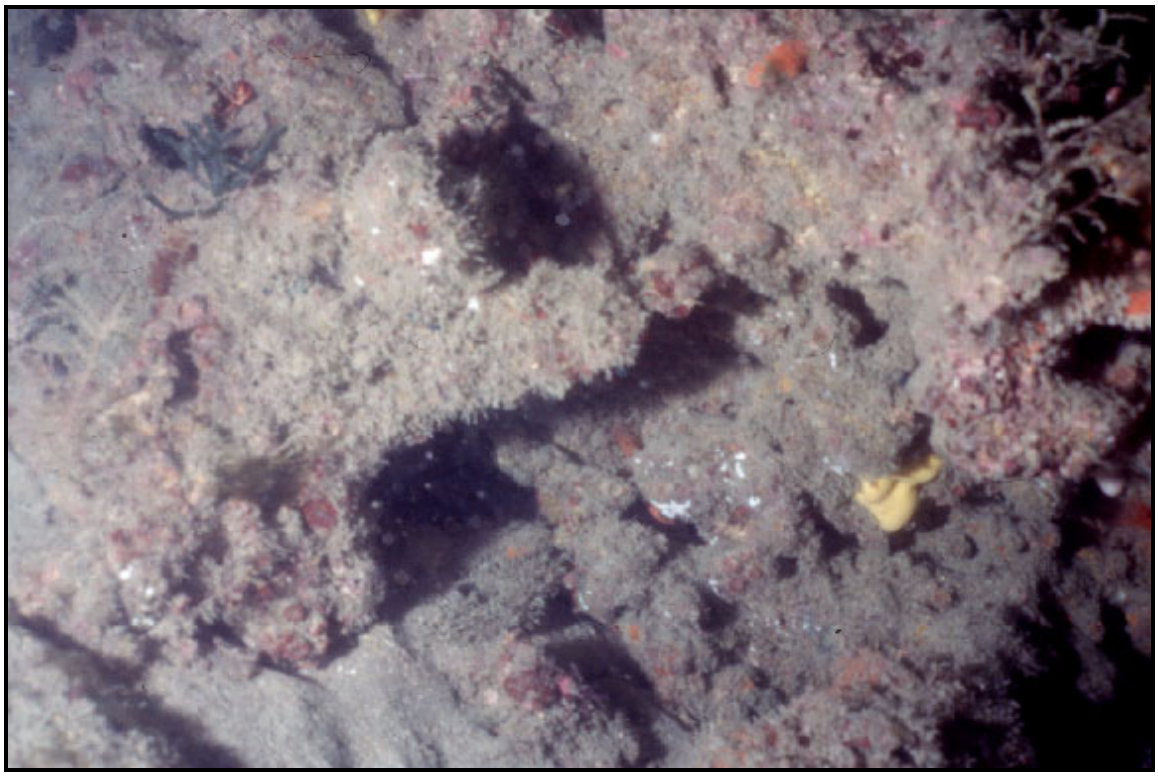

Figure F4-57. Medium relief hard bottom with little epibiota.