(305) DCN 6-1306 21767 Intake R4-FL-Crystal River

DCN: PR3022

Docket #: W-00-03
CWA 316(b) New Facility Rule
DCN: 1-3019-BE

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CRYSTAL RIVER UNITS 1, 2 and 3
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Final Report
APPENDIX

January, 1985

APPENDICES

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APPENDIX I

PROGRAM PARTICIPANTS

The following individuals participated actively in the Crystal River 316 Studies and had responsiblity for the items indicated:

Contractor - Stone & Webster Engineering Corporation

Dr. Thomas Biffar	Program Manager - Sections 7 and 9
Dr. Thomas Horst	Manager of Analysis - Section 8
John Downing	Data Manager - data files, major analyses
David McDougall	Physical Studies - Section 10, near-field modeling
Donald Galya	Physical Studies - far-field modeling

Subcontractor - Mote Marine Laboratory

Dr. Kumar Mahadevan	Project Manager (Author Section 6.2)
David Bruzek	On-site Manager/Data Coordinator
Douglas Robison	previous On-site Manager
Suzanne Hofmann	On-site Sampling Supervisor
Cindy Vernale	On-site Laboratory Supervisor
James Culter	Team Leader Benthic Studies
Kellie Dixon	Team Leader Water Quality Studies (Author Section 6.1)
Dr. Ernest Estevez	Team Leader Wetlands Vegetation (Author Section 6.4)
R. Robin Lewis	Team Leader Macrophyte Studies
Geoffrey Patton	Team Leader Physical Studies
Duane Phillips	Team Leader Entrainment, Impingement, Fisheries
Dr. Stanley Rice	Team Leader Meteorology
Jay Gorzelany	Task Leader Crab Tagging (Co-Author Section 6.5)
Robert Mattson	Task Leader Macrophytes Studies (Author Section 6.3)
Jay Sprinkel	Task Leader Oyster Reef Studies (Co-Author Section 6.5)

APPENDIX II

WATER QUALITY DATA

Water temperature, mean surface (ST) and bottom (BT) temperatures (^{o}C) and standard deviations (σ) for each quarter and project as a whole.

	QUARTER I				QUARTER II				QUARTER III				QUARTER IV				QUARTER V				QUARTER I-V			
STATION	ST	σ	BT	σ	ST	σ	BT	σ	ST	σ	BT	σ	ST	σ	BT	σ	ST	σ	BT	σ	ST	σ	BT	σ
1	30.22	0.96	30.06	0.96	23.89	4.24	23.91	4.16	14.98	3.46	14.85	3.50	23.03	3.76	22.81	3.81	28.74	1.40	28.81	1.33	24.17	6.16	24.09	6.18
2	30.20	1.06	30.06	1.01	23.93	4.28	24.00	4.39	14.23	3.53	14.05	3.59	22.54	4.10	22.27	4.19	28.90	1.43	29.23	1.27	23.96	6.48	23.92	6.60
3	30.08	0.83	29.90	1.03	23.82	4.30	23.83	4.39	13.60	3.69	13.47	3.67	22.46	4.54	22.07	4.28	29.17	1.22	29.13	1.24	23.83	6.76	23.68	6.76
4	29.77	1.12	30.51	1.49	24.27	4.64	24.94	4.65	15.30	3.81	15.83	3.70	23.02	4.49	23.39	4.35	29.27	1.48	30.31	1.61	24.33	6.25	25.00	6.37
5	29.84	1.35	30.53	1.43	24.41	4.52	25.31	4.09	15.29	3.60	15.81	3.61	22.98	4.36	23.21	4.56	29.21	1.41	30.19	1.79	24.35	6.20	25.01	6.32
6	29.92	1.27	29.34	3.31	24.45	4.53	24.56	4.43	15.17	3.72	15.15	3.89	22.97	4.41	22.74	4.49	29.20	1.28	29.68	1.84	24.34	6.27	24.33	6.48
7	30.09	1.35	29.69	2.50	25.17	4.66	24.63	4.49	14.50	3.54	14.57	3.55	23.11	4.45	22.61	4.34	29.23	1.39	29.59	1.74	24.42	6.52	24.22	6.54
8	30.18	1.38	30.06	1.29	24.54	4.58	24.50	4.43	14.35	3.64	14.44	3.56	23.15	4.58	22.71	4.22	29.33	1.25	29.63	1.45	24.31	6.60	24.27	6.54
9	30.22	1.37	29.98	1.23	24.51	4.48	24.32	4.49	14.34	3.60	14.06	3.84	23.09	4.89	22.36	4.68	29.38	1.33	29.50	1.47	24.33	6.67	24.07	6.76
10	30.17	1.13	29.95	1.17	24.25	4.57	24.02	4.39	13.99	3.62	13.77	3.72	22.55	4.55	22.05	4.29	29.26	1.46	29.08	1.41	24.04	6.71	23.78	6.68
11	30.04	1.19	29.89	1.11	24.14	4.44	23.93	4.43	13.48	3.62	13.23	3.58	22.40	4.55	21.85	4.32	29.12	1.23	28.94	1.41	24.00	6.72	23.73	6.73
12	29.99	1.01	29.87	1.00	24.02	4.34	23.90	4.30	13.40	3.53	13.05	3.42	22.05	4.61	21.69	4.47	29.26	1.17	28.87	1.31	23.90	6.75	23.64	6.76
13	31.57	1.57	31.83	1.81	26.35	3.90	26.49	4.07	17.41	3.34	17.90	2.92	25.09	4.52	25.18	4.55	31.75	1.60	32.07	2.00	26.43	6.14	26.69	6.11
14	30.93	1.56	31.29	1.49	25.36	4.38	25.85	4.18	16.54	3.47	17.08	3.61	23.94	4.42	24.02	4.64	30.20	1.34	31.13	1.84	25.39	6.13	25.87	6.23
15	30.45	1.20	30.35	1.34	24.68	4.47	24.57	4.47	14.97	3.64	15.06	3.68	23.33	4.77	22.81	4.37	29.69	1.24	30.05	1.50	24.62	6.52	24.57	6.52
16	30.49	1.29	30.18	1.37	24.68	4.43	24.52	4.33	14.41	3.59	14.40	3.53	23.04	4.58	22.53	4.11	29.73	1.42	29.47	1.46	24.63	6.60	24.37	6.46
17	32.33	1.71	32.50	1.96	28.01	5.22	28.12	5.23	20.90	2.83	20.96	2.83	27.76	5.04	27.67	4.98	33.09	1.89	33.08	1.91	28.42	5.63	28.46	5.65
18	32.04	1.41	32.73	1.58	26.75	4.50	26.76	4.38	17.36	3.91	17.56	3.71	25.78	5.54	25.18	5.30	32.81	1.74	33.15	1.54	26.95	6.68	27.07	6.75
19	32.52	2.35	32.96	2.10	27.03	3.94	27.08	3.74	17.21	3.21	17.06	3.35	25.54	5.00	25.51	4.95	32.43	1.92	32.58	1.74	26.95	6.58	27.04	6.69
20	31.10	1.42	31.42	1.66	25.76	4.42	25.81	4.41	16.10	3.48	16.63	3.38	24.48	4.83	24.12	4.64	30.96	1.93	31.54	1.51	25.68	6.48	25.90	6.44
21	30.85	1.37	31.10	1.78	25.61	4.44	25.85	4.51	16.16	3.51	16.24	3.42	24.18	4.59	23.93	4.34	30.85	1.59	31.31	1.56	25.53	6.36	25.68	6.46
22	31.21	1.82	31.47	2.59	25.54	4.65	25.35	4.48	15.74	3.67	15.80	3.53	24.22	4.74	23.04	3.88	30.79	1.61	30.38	1.35	25.50	6.63	25.21	6.55
23	31.15	1.77	30.13	1.15	25.70	4.00	25.28	3.77	15.82	4.15	16.00	4.40	23.81	4.49	22.36	4.19	30.24	1.53	29.57	1.63	25.26	6.46	24.58	6.15
24	30.31	1.51	29.81	1.16	24.32	4.41	23.98	4.33	14.58	3.67	14.28	3.57	22.42	4.24	21.98	4.17	29.32	1.39	28.86	1.35	24.19	6.53	23.78	6.43
25	29.97	1.12	29.78	1.08	23.99	4.48	23.91	4.36	13.39	3.78	13.29	3.58	22.26	4.45	21.68	4.32	29.11	1.00	28.87	1.33	23.91	6.73	23.66	6.68
26	29.93	0.99	29.85	1.13	24.04	4.49	23.89	4.42	13.26	3.43	13.04	3.47	22.16	4.62	21.72	4.41	29.00	1.15	28.82	1.34	23.84	6.74	23.63	6.77
27	30.42	1.28	30.21	1.12	25.02	4.77	24.78	4.29	15.69	3.52	15.63	3.37	23.58	4.46	23.51	4.38	29.41	1.77	29.39	1.79	24.83	6.25	24.70	6.13
28	31.11	1.50	31.08	1.60	25.41	4.59	25.34	4.27	15.63	3.55	15.72	3.79	24.35	4.85	24.21	4.60	30.65	1.66	30.61	1.39	25.43	6.60	25.39	6.51
29	31.94	2.33	31.69	2.27	26.78	4.47	26.65	4.38	17.21	4.20	17.26	4.12	25.11	4.62	24.70	4.21	31.56	1.81	31.62	1.91	26.52	6.47	26.39	6.37
30	31.33	2.04	30.58	1.53	25.81	4.18	25.40	3.92	16.22	4.29	16.21	4.35	24.22	4.73	23.36	4.58	30.86	1.54	30.22	1.49	25.69	6.53	25.15	6.27
31	29.88	1.07	29.80	1.23	23.37	4.59	23.38	4.66	13.70	3.73	13.71	3.66	22.41	4.00	22.25	3.87	28.91	1.72	29.01	1.50	23.66	6.65	23.63	6.64
32	30.02	1.18	29.93	1.12	23.43	4.54	23.42	4.54	13.80	3.61	13.72	3.66	22.25	4.02	22.21	3.93	29.01	1.58	28.90	1.48	23.70	6.65	23.64	6.64
33	30.02	1.15	29.83	1.23	23.47	4.52	23.56	4.51	13.65	3.68	13.53	3.62	22.33	4.18	22.18	4.23	29.04	1.53	28.94	1.36	23.72	6.75	23.63	6.73
34	30.18	1.20	29.88	1.20	23.53	4.23	23.54	4.38	13.51	3.63	13.47	3.56	22.23	4.07	21.95	3.86	28.90	1.47	28.84	1.47	23.63	6.72	23.53	6.66
35	29.92	0.97	29.80	1.05	23.61	4.29	23.60	4.29	13.55	3.46	13.52	3.46	22.09	4.14	21.92	4.03	28.92	1.45	28.79	1.38	23.62	6.66	23.53	6.62
36	29.58	1.75	29.63	1.22	23.59	4.27	23.60	4.26	13.51	3.29	13.44	3.31	21.82	4.21	21.74	4.11	28.89	1.39	28.81	1.36	23.48	6.63	23.45	6.63
37	30.13	1.05	29.79	1.04	23.62	4.25	23.63	4.29	13.57	3.48	13.49	3.38	22.03	4.18	21.68	4.22	29.10	1.47	28.89	1.39	23.69	6.73	23.50	6.67
38	29.78	0.34	29.78	0.93	23.91	4.35	23.87	4.39	14.70	3.48	14.80	3.65	22.34	3.76	22.26	3.72	28.93	1.58	29.05	1.52	23.93	6.24	23.95	6.25
39	29.73	0.98	29.72	1.15	23.73	4.76	23.52	4.66	13.93	3.67	13.65	3.81	22.09	3.98	21.93	3.98	28.82	1.59	28.86	1.45	23.66	6.56	23.54	6.66
40	30.27	1.15	29.91	1.08	23.52	4.35	23.51	4.43	13.38	3.49	13.27	3.45	22.10	4.12	21.81	4.11	28.81	1.53	23.78	1.38	23.62	6.78	23.45	6.75

Salinity, mean surface (SC) and bottom (BC) values (o/oo) and standard deviations (σ) for each quarter, and project as a whole.

STATION	QUARTER I				QUARTER II				QUARTER III				QUARTER IV				QUARTER V				QUARTER I-V			
	SC	σ	BC	σ	SC	σ	BC	σ	SC	σ	BC	σ	SC	σ	BC	σ	SC	σ	BC	σ	SC	σ	BC	σ
1	10.54	4.20	12.79	4.13	8.20	5.34	12.16	5.90	8.88	5.25	10.39	5.63	7.33	4.02	8.28	3.83	9.72	4.48	12.53	4.84	8.93	4.68	11.23	5.07
2	14.28	3.29	18.38	3.41	15.91	3.90	19.51	3.28	12.69	5.76	14.90	5.02	11.33	3.68	13.54	4.43	14.67	3.86	19.09	3.48	13.77	4.36	17.08	4.55
3	18.32	3.35	22.48	2.59	18.98	3.72	21.62	3.41	17.56	3.82	19.31	3.79	15.59	3.42	17.01	3.62	19.84	4.15	23.26	3.57	18.06	3.87	20.74	4.04
4	13.44	3.23	17.89	3.85	15.44	2.59	18.85	3.02	14.12	4.34	17.09	3.98	10.99	4.44	13.78	4.12	14.53	3.75	20.13	2.57	13.70	3.92	17.55	4.07
5	13.82	3.88	18.80	2.95	15.35	3.28	19.18	3.27	13.36	4.42	16.29	3.65	10.56	4.25	13.27	3.80	13.30	3.43	19.57	3.41	13.28	4.07	17.42	4.09
6	15.32	3.07	18.27	3.74	17.37	2.43	18.44	3.64	14.11	4.45	15.66	3.82	11.41	4.34	13.07	4.14	14.74	2.81	18.74	3.01	14.59	3.92	16.84	4.20
7	17.96	2.77	21.00	3.49	19.30	2.52	22.39	3.78	16.73	4.23	19.31	2.98	13.80	4.21	15.87	3.81	17.83	3.28	21.34	4.05	17.12	3.85	19.98	4.21
8	18.88	3.12	21.98	3.39	19.83	2.71	21.67	2.34	17.31	4.55	19.48	3.56	14.55	4.50	16.61	3.25	19.16	2.95	23.11	3.14	17.95	4.02	20.57	3.85
9	20.18	3.02	22.57	2.66	20.34	3.98	22.04	3.84	17.54	4.72	19.53	4.52	16.59	4.20	18.14	3.16	21.03	2.43	23.71	3.13	19.17	4.03	21.24	3.98
10	22.34	2.35	25.17	1.98	22.88	3.06	25.10	2.31	20.50	3.91	22.84	2.69	18.19	3.73	19.74	3.47	23.21	3.06	25.82	2.73	21.42	3.68	23.73	3.42
11	24.67	3.06	26.40	2.23	25.57	3.19	26.39	2.91	22.47	3.69	24.12	3.13	20.71	3.89	22.00	3.34	25.95	2.07	27.23	2.68	23.89	3.72	25.24	3.40
12	27.75	4.46	28.69	3.89	27.20	3.20	28.26	1.80	24.45	3.13	26.18	2.23	22.79	3.80	23.78	2.99	26.95	3.61	28.75	2.52	25.85	4.04	27.15	3.33
13	21.92	2.55	22.62	2.84	23.03	2.15	23.69	1.86	21.18	3.62	22.40	2.36	17.47	4.09	18.14	3.78	23.37	2.31	24.34	2.25	21.39	3.63	22.24	3.41
14	18.65	3.05	21.95	1.86	20.19	2.77	22.14	2.64	19.40	2.92	20.65	2.97	14.24	4.98	16.17	4.31	19.19	3.16	22.32	2.75	18.33	3.98	20.65	3.74
15	19.24	3.21	22.63	2.40	20.53	2.88	22.45	3.12	18.50	3.24	19.60	3.20	15.24	4.56	17.16	3.86	20.32	2.99	23.31	2.70	18.77	3.84	21.03	3.80
16	22.55	2.28	24.33	2.10	23.35	2.51	24.26	2.48	20.47	3.32	21.19	3.39	18.48	3.93	19.16	3.65	23.64	3.24	25.25	2.54	21.72	3.60	22.86	3.63
17	24.77	1.78	25.14	1.66	25.89	1.68	25.86	1.51	23.84	1.86	23.90	1.77	19.65	3.14	19.70	3.18	25.76	1.35	25.89	1.57	23.98	3.05	24.10	3.05
18	23.12	2.53	24.79	1.77	24.67	1.64	25.12	1.70	22.27	2.00	22.68	2.00	18.69	3.88	18.93	3.74	24.16	2.42	25.27	1.70	22.58	3.30	23.36	3.30
19	23.34	2.49	24.63	1.58	24.47	1.54	24.97	1.62	22.14	1.67	22.17	1.63	18.33	3.85	18.49	3.84	23.77	2.02	24.35	2.14	22.41	3.24	22.92	3.32
20	21.70	2.17	23.77	1.46	23.27	1.32	24.51	1.66	21.13	1.68	22.51	1.24	17.64	4.08	18.45	3.74	22.46	2.41	24.43	2.25	21.24	3.12	22.74	3.15
21	21.36	2.68	23.94	2.18	23.01	1.49	24.65	1.71	20.70	2.74	22.84	1.59	17.34	4.26	18.65	3.58	22.03	2.93	24.81	1.96	20.89	3.46	22.98	3.21
22	22.60	2.81	24.43	2.32	23.91	1.90	24.69	1.77	21.61	2.56	22.76	1.82	18.54	4.05	19.57	3.17	23.36	2.62	25.17	2.18	22.00	3.37	23.32	3.04
23	23.84	1.87	25.36	1.44	25.08	1.58	25.55	1.60	22.35	2.73	23.06	2.06	19.21	3.43	20.30	3.04	24.60	2.31	25.60	2.59	23.00	3.22	23.95	3.01
24	24.66	2.23	26.37	1.48	25.65	2.34	26.28	2.34	22.79	3.32	23.45	3.46	20.64	4.56	21.67	3.63	25.76	2.90	27.11	2.43	23.90	3.65	25.98	3.41
25	26.68	2.34	27.82	1.65	27.10	2.52	27.88	1.86	24.21	3.61	25.56	2.50	22.63	3.53	23.07	3.45	27.16	3.19	28.65	2.43	25.58	3.50	26.61	3.15
26	28.32	3.95	29.33	3.47	28.04	2.54	28.60	1.81	25.43	3.11	26.57	2.76	23.50	3.44	24.08	3.26	28.26	2.78	29.35	2.33	26.73	3.67	27.60	3.40
27	22.55	1.35	22.82	1.33	24.22	0.89	23.70	1.64	21.76	2.19	22.03	2.06	18.29	1.97	18.22	2.36	23.37	1.63	23.43	2.70	22.14	2.68	22.04	2.84
28	22.75	1.73	23.44	1.38	24.16	1.17	24.12	1.32	22.08	1.52	22.59	1.51	18.67	2.42	18.69	2.48	23.82	1.66	24.40	1.62	22.29	2.60	22.65	2.67
29	23.57	1.87	24.48	1.45	25.23	1.25	25.29	1.23	22.69	2.08	22.91	2.19	18.71	3.95	19.35	2.80	23.97	2.07	24.40	1.88	22.84	3.24	23.29	2.87
30	24.01	1.80	24.54	1.95	25.01	1.60	25.20	1.72	22.52	2.88	23.06	2.14	19.29	3.70	19.91	3.33	24.27	2.31	25.06	2.26	23.02	3.23	23.56	3.02
31	20.15	2.30	21.04	2.28	20.88	2.83	21.92	2.70	19.85	2.70	20.52	2.45	14.10	2.84	14.80	2.40	19.81	2.80	21.65	2.89	18.96	3.60	19.99	3.63
32	21.13	2.30	21.85	2.33	22.22	2.52	22.41	2.58	20.81	2.10	20.95	2.10	15.47	2.76	15.93	2.16	20.94	2.97	21.97	3.00	20.11	3.44	20.62	3.33
33	22.72	2.10	24.15	1.55	23.49	2.64	24.70	1.76	22.37	1.58	22.82	1.83	17.13	2.50	17.90	2.10	22.91	3.09	24.68	1.94	21.80	3.28	22.93	3.05
34	24.54	2.19	25.52	1.55	24.73	2.40	25.96	1.62	23.25	1.22	23.49	1.33	19.27	1.84	20.12	1.70	24.77	3.07	26.81	1.75	23.31	3.02	24.38	2.85
35	26.33	1.66	26.94	1.37	26.70	1.44	26.78	1.33	24.67	1.58	24.76	1.57	21.16	1.58	21.86	1.84	26.75	2.15	27.54	2.11	25.12	2.70	25.58	2.65
36	27.69	2.01	27.79	1.69	27.04	2.99	27.58	1.29	25.06	2.49	25.37	2.01	22,75	2.39	22.93	2.48	27.97	1.93	28.41	2.22	26.10	3.04	26.42	2.80
37	27.81	1.52	28.69	1.46	28.03	1.62	28.20	1.52	25.27	2.60	25.68	2.22	23.28	2.67	23.82	2.76	28.35	2.29	29.33	2.21	26.55	2.91	27.14	2.91
38	16.40	2.70	17.69	3.11	15.21	2.62	15.86	3.02	13.78	3.87	14.59	4.05	10.70	2.52	11.65	2.33	16.12	3.27	18.31	4.25	14.44	3.61	15.62	4.10
39	20.89	2.86	23.01	2.08	20.12	2.85	22.12	2.14	18.47	3.22	20.01	2.40	15.26	2.63	16.55	2.52	21.00	3.27	24.38	2.46	19.15	3.60	21.21	3.55
40	26.08	1.91	26.89	3.01	26.49	2.42	27.27	2.11	23.63	1.63	24.57	1.57	21.29	2.23	22.16	2.14	27.34	1.91	28.76	1.80	24.97	2.98	25.93	3.15

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pH. Arithmetic mean of pH (SU) values for surface (PH1) and bottom (PH3) for each quarter and project as a whole.

	QUARTER I		QUARTER II		QUARTER III		QUARTER IV		QUARTER V		QUARTER VI	
STA.	PH1	PH3	PH1	PH3	PH1	PH3	PH1	PH3	PH1	PH3	PH1	PH3
1	7.92	7.90	7.92	7.89	8.13	8.12	8.04	8.02	7.83	7.82	7.97	7.95
2	7.98	8.01	7.97	7.96	8.11	8.10	8.12	8.09	7.95	7.98	8.02	8.03
3	8.03	8.02	8.06	8.06	8.15	8.16	8.10	8.09	8.06	8.06	8.08	8.08
4	7.99	7.95	7.97	7.92	8.16	8.12	8.06	8.03	7.94	7.91	8.02	7.98
5	8.02	8.00	7.96	7.95	8.15	8.12	8.08	8.05	7.92	7.90	8.02	8.00
6	8.01	8.00	7.99	7.98	8.13	8.13	8.10	8.07	7.96	7.94	8.03	8.02
7	8.05	8.06	8.06	8.03	8.17	8.16	8.09	8.08	7.99	8.00	8.07	8.06
8	8.08	8.06	8.11	8.08	8.13	8.11	8.09	8.06	8.03	8.04	8.09	8.07
9	8.11	8.09	8.11	8.11	8.06	8.07	8.17	8.13	8.07	8.07	8.10	8.10
10	8.14	8.10	8.11	8.13	8.11	8.11	8.12	8.10	8.10	8.09	8.12	8.11
11	8.09	8.05	7.87	7.96	8.27	8.26	8.13	8.11	8.13	8.11	8.10	8.10
12	8.04	7.98	8.03	8.04	8.29	8.25	8.13	8.12	8.13	8.11	8.12	8.10
13	8.18	8.20	7.95	7.82	8.07	8.06	8.14	8.13	8.01	8.01	8.07	8.04
14	8.20	8.21	7.94	7.86	8.03	8.07	8.13	8.12	8.04	8.02	8.07	8.06
15	8.33	8.41	7.96	7.72	8.15	8.19	8.15	8.12	8.08	8.08	8.14	8.10
16	8.14	8.15	7.91	7.82	8.23	8.24	8.16	8.17	8.09	8.08	8.11	8.09
17	8.05	8.04	7.97	7.90	8.02	8.10	8.17	8.16	8.05	8.04	8.05	8.05
18	8.42	8.39	7.99	7.87	8.02	8.05	8.17	8.15	8.11	8.10	8.14	8.11
19	8.42	8.41	7.98	7.91	8.03	8.04	8.18	8.17	8.11	8.10	8.14	8.12
20	8.22	8.21	7.93	7.84	8.12	8.13	8.16	8.15	8.10	8.10	8.11	8.08
21	8.26	8.37	7.89	7.87	8.01	8.10	8.16	8.15	8.10	8.10	8.08	8.11
22	8.29	8.24	7.99	7.82	8.08	8.05	8.18	8.17	8.12	8.12	8.13	8.08
23	8.00	8.04	8.06	8.05	8.23	8.23	8.16	8.16	8.12	8.12	8.12	8.12
24	8.08	8.07	7.88	7.99	8.22	8.22	8.15	8.15	8.02	8.11	8.07	8.11
25	8.03	8.02	8.09	8.05	8.25	8.24	8.15	8.12	8.13	8.12	8.13	8.11
26	8.05	8.12	8.05	8.07	8.25	8.24	8.13	8.11	8.13	8.12	8.12	8.11
27	8.36	8.35	8.30	8.30	8.20	8.17	8.24	8.25	8.04	8.03	8.23	8.22
28	8.36	8.34	8.30	8.29	8.14	8.12	8.25	8.24	8.07	8.06	8.22	8.21
29	8.36	8.34	8.31	8.30	8.12	8.11	8.23	8.21	8.08	8.08	8.22	8.21
30	8.36	8.33	8.30	8.29	8.18	8.13	8.26	8.23	8.09	8.09	8.24	8.21
31	8.33	8.35	8.31	8.31	8.20	8.19	8.31	8.28	8.09	8.10	8.25	8.25
32	8.37	8.37	8.32	8.32	8.19	8.17	8.30	8.30	8.12	8.12	8.26	8.26
33	8.38	8.38	8.31	8.31	8.17	8.15	8.29	8.29	8.13	8.14	8.25	8.25
34	8.36	8.35	8.05	8.05	8.27	8.28	8.20	8.19	8.17	8.18	8.21	8.21
35	7.97	8.10	8.04	8.01	8.26	8.26	8.17	8.16	8.17	8.18	8.13	8.15
36	8.07	8.09	8.00	8.04	8.22	8.23	8.14	8.14	8.16	8.16	8.12	8.13
37	8.06	8.05	7.95	7.94	8.19	8.19	8.12	8.12	8.14	8.14	8.10	8.09
38	8.35	8.36	8.31	8.26	8.24	8.21	8.26	8.25	8.12	8.12	8.26	8.24
39	8.36	8.37	8.29	8.30	8.19	8.15	8.28	8.26	8.14	8.15	8.25	8.24
40	8.16	8.14	7.94	7.96	8.23	8.23	8.17	8.16	8.19	8.19	8.14	8.14

Dissolved oxygen (D.O.) and percent saturation (o/oo Sat.), mean D.O. (mg/l) and % saturation values (%) for surface (DO1, DSS) and bottom (DO3, DSB) for each quarter and project as a whole.

	QUARTER I				QUARTER II				QUARTER III				QUARTER IV				QUARTER V				QUARTER I-V			
	D.O.		% SAT.		D.O.		% SAT.		D.O.		% SAT.		D.O.		% SAT.		D.O.		% SAT.		D.O.		% SAT.	
STATION	DO1	DO3	DSS	DSB	DO1	DO3	DSS	DSB	DO1	DO3	DSS	DSB	DO1	DO3	DSS	DSB	DO1	DO3	DSS	DSB	DO1	DO3	DSS	DSB
1	6.3	6.3	89	89	8.0	7.5	99	95	9.8	9.7	102	101	8.4	8.4	102	101	6.2	6.1	85	85	7.7	7.6	95	94
2	6.3	6.0	91	88	7.2	6.8	93	90	9.6	9.6	101	101	8.0	8.1	99	100	6.5	6.0	92	88	7.5	7.3	95	93
3	6.2	5.4	91	81	7.1	6.7	93	90	9.3	9.2	99	99	8.0	7.7	100	96	6.5	6.2	95	93	7.4	7.0	96	92
4	6.5	5.3	93	78	6.9	6.2	91	83	9.2	8.9	99	98	8.0	7.7	98	97	6.2	5.0	87	73	7.3	6.6	93	86
5	6.5	5.6	93	82	7.0	6.3	91	85	9.5	9.2	101	101	8.0	7.7	98	97	6.2	5.2	88	78	7.4	6.8	94	89
6	6.5	5.8	93	85	7.1	6.7	94	88	9.3	9.1	99	98	8.0	7.9	99	98	6.2	5.6	88	82	7.4	7.0	94	90
7	6.4	5.4	94	79	7.2	6.5	98	88	9.3	9.1	99	99	7.7	7.5	98	95	6.3	5.6	90	83	7.3	6.8	96	89
8	6.3	5.1	93	76	7.2	6.5	96	88	9.1	8.9	99	98	7.9	7.6	99	97	6.4	5.9	93	87	7.4	6.8	96	89
9	6.5	5.5	97	82	7.1	6.9	95	93	9.1	8.8	98	96	7.9	7.6	100	96	6.4	6.0	95	89	7.4	6.9	97	91
10	6.6	5.5	100	84	7.2	6.9	97	94	9.0	8.8	99	97	7.8	7.5	100	96	6.5	6.0	97	90	7.4	6.9	98	92
11	6.4	5.8	97	89	6.9	6.8	94	93	9.2	9.0	101	100	7.7	7.5	100	96	6.5	6.1	98	92	7.3	7.0	98	94
12	6.2	5.8	96	90	6.9	6.7	96	93	9.1	9.0	101	100	7.8	7.4	102	96	6.4	6.1	98	93	7.3	7.0	98	94
13	6.0	5.8	93	90	6.4	6.3	90	89	8.6	8.4	102	101	7.3	7.2	97	97	5.7	5.4	88	84	6.8	6.6	94	92
14	6.3	5.8	94	89	6.7	6.5	91	89	8.3	8.2	95	96	7.6	7.4	97	95	6.3	5.9	93	90	7.1	6.8	94	92
15	6.4	5.5	94	83	6.8	6.1	91	83	8.8	8.8	96	98	7.5	7.1	95	90	6.5	5.8	96	87	7.2	6.7	94	88
16	6.5	5.8	98	88	6.9	6.8	95	93	9.0	8.9	100	99	7.9	7.7	101	99	6.4	6.0	96	91	7.3	7.0	98	94
17	5.7	5.7	91	91	6.4	6.4	94	94	8.2	8.2	106	106	7.3	7.3	102	103	5.8	5.8	93	93	6.7	6.7	97	97
18	6.4	6.2	99	98	6.5	6.4	94	92	8.4	8.4	99	101	7.3	7.1	99	96	5.9	5.6	94	90	6.9	6.8	97	95
19	6.5	6.2	101	98	6.6	6.5	95	94	8.4	8.0	99	94	7.3	7.2	97	96	6.1	5.9	95	94	7.0	6.8	98	95
20	6.6	5.7	101	89	6.8	6.5	95	91	8.5	8.3	97	97	7.4	7.1	97	93	6.2	5.9	95	91	7.1	6.7	97	92
21	6.7	5.6	101	87	6.8	6.5	95	92	8.5	8.4	97	97	7.4	7.1	96	94	6.3	5.9	96	92	7.1	6.7	97	92
22	6.6	5.4	100	84	6.9	6.5	96	92	8.5	8.5	98	98	7.6	7.3	100	95	6.3	6.0	96	91	7.2	6.7	98	92
23	6.3	5.7	98	88	6.8	6.7	96	94	8.8	8.6	101	100	7.8	7.4	102	95	6.3	6.0	97	92	7.2	7.0	99	94
24	6.3	6.0	97	92	6.9	6.8	95	94	8.9	8.9	99	99	7.9	7.6	102	98	6.5	6.2	98	94	7.3	7.1	98	95
25	6.3	5.4	97	91	6.9	6.8	96	94	9.0	9.0	100	100	7.8	7.3	101	94	6.4	6.1	97	93	7.3	7.0	98	95
26	6.1	5.8	95	90	6.9	6.8	96	95	9.0	8.8	100	99	7.7	7.5	101	97	6.4	6.1	98	93	7.2	7.0	98	95
27	6.3	6.2	96	93	6.9	7.0	96	96	8.9	8.8	102	101	7.7	8.0	99	105	5.8	5.9	88	88	7.1	7.2	95	96
28	6.6	6.0	101	92	6.8	6.8	95	95	8.5	8.6	98	98	7.7	7.7	102	102	6.0	5.6	92	86	7.1	7.0	97	95
29	6.4	6.3	100	98	6.8	6.9	98	98	8.6	8.6	102	102	7.7	7.5	104	101	6.2	6.0	96	93	7.2	7.1	100	98
30	6.7	6.1	103	93	6.9	6.9	97	97	8.6	8.6	100	100	7.7	7.7	101	100	6.4	6.3	98	96	7.2	7.1	100	97
31	6.3	6.6	94	98	6.8	6.9	90	92	9.0	9.0	98	98	7.9	7.9	98	98	6.4	7.3	93	108	7.3	7.5	94	99
32	6.7	6.9	100	103	6.9	6.9	91	92	9.0	8.9	98	97	8.0	8.2	100	103	6.4	6.7	93	99	7.4	7.5	96	99
33	6.5	6.6	98	99	6.8	6.8	92	92	8.7	8.8	96	96	7.9	7.9	100	100	6.5	6.7	97	101	7.3	7.3	96	98
34	6.5	6.5	99	98	6.9	6.9	94	94	9.0	9.1	99	100	8.0	7.8	103	100	6.7	6.5	100	98	7.4	7.3	99	98
35	6.4	6.4	98	98	6.9	6.9	94	95	8.8	8.8	99	99	8.0	7.8	103	101	6.6	6.6	100	99	7.3	7.3	99	98
36	6.4	6.5	99	99	6.8	6.8	93	94	8.9	8.9	99	100	7.8	7.7	102	100	6.6	6.5	100	99	7.3	7.3	99	98
37	6.4	6.2	100	97	6.7	6.6	93	92	8.9	8.8	100	98	7.8	7.5	102	98	6.5	6.4	100	99	7.3	7.1	99	97
38	6.9	7.2	100	104	8.0	8.1	103	104	9.3	9.2	99	99	8.2	8.3	100	101	6.8	7.2	97	104	7.8	8.0	100	103
39	6.6	6.5	98	98	7.0	7.0	93	93	8.9	8.8	96	96	7.8	7.8	97	98	6.5	6.4	95	95	7.4	7.3	96	96
40	6.6	6.5	101	100	6.7	6.7	92	92	8.8	8.6	97	95	7.9	7.5	102	97	6.5	6.3	99	96	7.3	7.1	98	96

Secchi Depths. Mean secchi depths (ft) by quarter and the percent of observation attempts that secchi depth was greater than water column depth (%SD >B).

	QUARTER I		QUARTER II		QUARTER III		QUARTER IV		QUARTER V	
Station	ft	%SD>B	ft	%SD>B	ft	%SD>B	ft	%SD>B	ft	%SD>B
1	2.9	62	2.5	85	2.0	92	3.3	85	2.6	46
2	3.1	38	3.9	62	3.2	85	2.7	54	2.8	31
3	3.6	0	3.8	38	3.3	85	3.5	15	3.1	0
4	3.0	8	3.0	23	3.9	77	3.5	0	2.7	0
5	3.0	8	3.3	23	3.9	85	3.3	0	2.7	0
6	3.1	15	3.1	23	--	100	3.4	8	2.8	0
7	4.9	8	3.5	46	4.0	92	3.6	23	3.3	15
8	3.5	0	3.4	8	3.5	77	3.5	15	3.1	0
9	3.5	0	4.1	15	4.9	38	3.8	8	3.1	0
10	4.1	0	4.6	0	5.1	15	4.0	0	3.5	0
11	5.5	0	6.1	0	6.1	0	4.6	8	5.2	8
12	6.7	0	7.3	0	6.4	0	5.2	0	6.9	0
13	2.9	31	2.7	77	4.0	92	3.0	46	3.3	62
14	2.9	0	2.7	38	3.8	77	3.2	15	3.3	15
15	2.8	0	3.2	15	3.2	62	3.1	8	3.4	15
16	4.0	0	4.7	38	5.3	77	4.2	8	4.2	15
17	2.5	54	4.3	92	--	100	2.6	62	2.8	92
18	3.1	0	3.4	54	4.3	77	3.0	8	3.5	31
19	2.9	0	3.0	46	4.5	85	2.6	46	3.7	62
20	2.8	0	3.3	8	4.9	31	3.0	0	3.9	0
21	2.9	0	3.4	8	4.7	23	3.0	0	3.6	0
22	3.1	0	3.9	0	4.9	15	3.1	0	3.7	0
23	4.7	0	9.9	15	6.4	15	4.8	8	5.1	0
24	5.5	0	5.8	15	6.0	8	4.3	8	5.3	0
25	6.3	0	6.8	0	6.9	0	5.0	0	5.9	0
26	7.0	0	7.4	0	6.9	0	5.2	0	6.9	0
27	3.7	23	4.0	69	4.3	92	3.1	62	4.8	77
28	3.6	0	4.5	23	5.8	77	4.2	23	4.6	38
29	4.2	8	4.5	62	5.5	77	3.7	23	4.1	62
30	3.8	0	4.3	54	5.3	77	3.6	23	4.0	8
31	3.5	85	--	100	3.3	85	3.8	69	4.0	92
32	3.5	85	--	100	2.5	92	3.4	62	4.5	85
33	3.9	23	6.0	54	4.0	85	3.7	31	4.8	23
34	4.9	15	6.8	31	5.3	77	4.8	8	5.6	15
35	5.7	8	6.0	62	5.5	85	4.4	23	4.6	38
36	6.5	0	6.7	15	7.3	8	4.8	0	5.9	8
37	7.0	0	7.0	0	6.9	0	4.8	0	6.7	0
38	4.5	92	4.0	92	3.5	85	4.5	85	5.5	85
39	4.9	38	5.9	54	4.7	77	4.3	15	5.4	23
40	7.6	0	6.8	8	8.1	15	5.3	0	7.0	0

Turbidity. Mean turbidity (NTU) from surface (TURBS) and bottom (TURBB) for each quarter and project as a whole.

	QUARTER I		QUARTER II		QUARTER III		QUARTER IV		QUARTER V		QUARTER I-V		
STA.	TURBS	TURBB	TURBS	TURBB	TURBS	TURBB	TURBS	TURBB	TURBS	TURBB	TURBS	TURBB	STA.
1	7.5	7.5	7.5	7.6	5.8	17.2	10.0	12.3	9.5	12.1	8.0	11.9	1
2	6.7	6.8	6.3	13.9	5.5	17.1	9.8	10.7	6.5	8.9	7.0	9.9	2
3	6.7	9.4	5.1	8.9	5.6	9.6	10.4	14.8	7.3	8.1	7.0	10.3	3
4	8.6	17.1	7.9	14.9	4.8	5.9	8.6	15.5	8.2	18.7	7.7	15.6	4
5	8.3	10.1	9.8	37.7	5.3	10.6	9.9	15.7	10.2	15.1	8.7	17.5	5
6	8.5	25.3	10.8	20.9	5.8	6.6	10.0	11.0	8.7	11.0	8.8	14.9	6
7	8.3	9.5	8.4	13.4	5.1	5.0	9.2	10.3	7.1	11.5	7.7	10.5	7
8	8.5	11.4	8.7	15.7	7.6	10.8	10.2	12.4	8.7	11.9	8.8	12.4	8
9	7.0	10.1	6.2	10.0	5.9	8.1	8.8	25.6	7.7	16.3	7.1	14.9	9
10	5.7	14.3	5.2	7.4	4.9	9.2	9.4	16.9	7.1	18.7	6.5	13.3	10
11	6.1	6.4	4.6	6.3	4.8	5.0	9.1	14.4	5.4	9.2	6.0	8.2	11
12	4.0	5.5	3.9	5.0	3.9	4.9	7.9	11.2	3.9	5.9	4.7	6.5	12
13	7.4	4.9	6.8	6.3	5.2	35.0	7.8	8.8	6.5	7.2	6.7	8.5	13
14	6.9	9.2	7.3	8.5	5.4	10.5	7.5	8.5	6.3	8.1	6.7	8.7	14
15	7.0	10.2	6.9	11.2	5.4	10.2	9.0	15.8	6.2	13.2	6.9	12.5	15
16	6.1	9.7	5.9	6.8	4.0	4.4	10.3	12.9	6.2	9.7	6.5	8.8	16
17	9.2	9.2	5.3		5.4		8.9	9.6	7.9	12.2	7.3	10.9	17
18	5.6	8.0	5.6	10.0	4.6	5.0	7.4	8.3	5.6	7.0	5.7	7.8	18
19	6.8	8.4	5.5	8.2	4.5	3.5	8.6	8.8	7.0	6.1	6.5	7.5	19
20	6.4	11.1	5.7	8.2	4.6	4.5	8.5	11.6	5.5	9.9	6.2	9.5	20
21	6.7	18.5	5.3	21.0	4.2	5.7	8.5	12.6	6.3	10.9	6.2	13.9	21
22	6.3	10.6	6.3	7.3	4.8	5.6	9.7	11.4	6.6	10.3	6.7	9.0	22
23	6.1	15.7	4.1	5.9	3.9	4.3	7.4	9.4	6.2	11.3	5.6	9.3	23
24	5.1	5.9	4.9	5.4	4.5	4.7	9.6	12.0	5.0	7.1	5.8	7.0	24
25	4.3	6.8	4.2	6.5	4.9	4.7	8.2	13.1	5.2	6.3	5.4	7.5	25
26	3.8	4.5	4.1	4.7	4.1	3.8	8.5	12.0	3.9	5.4	4.9	6.1	26
27	5.9	9.7	4.3	11.6	2.6	3.2	5.5	6.2	4.9	6.6	4.7	7.6	27
28	5.9	8.9	4.8	7.4	2.6	3.3	7.1	8.1	4.6	5.5	5.0	6.7	28
29	5.8	5.5	5.4	9.8	3.1	3.3	7.8	10.2	6.0	6.6	5.6	7.2	29
30	6.1	9.4	4.6	7.9	3.3	4.0	7.8	9.4	5.9	9.4	5.5	8.4	30
31	3.5	12.2	3.3	6.4	4.5	6.2	5.4	5.7	2.9	16.1	3.9	10.5	31
32	3.3	6.8	3.8	2.8	3.4	16.3	5.3	6.5	3.9	5.2	3.9	6.5	32
33	4.4	9.3	3.7	30.3	3.9	5.0	8.2	9.3	5.7	7.0	5.2	12.4	33
34	4.0	6.3	4.5	4.9	3.3	3.4	8.7	14.7	4.6	6.7	5.0	7.2	34
35	4.5	5.1	4.5	4.9	3.6	3.6	9.2	10.6	5.0	5.7	5.4	6.0	35
36	4.1	4.5	4.1	4.9	3.6	3.6	10.6	13.1	4.8	5.8	5.4	6.3	36
37	4.4	6.0	4.4	5.9	3.7	3.7	10.1	14.3	5.5	6.3	5.5	7.3	37
38	3.9	7.4	2.9	5.9	3.4	7.9	4.7	5.5	2.6	6.2	3.5	6.2	38
39	2.7	4.0	3.4	14.2	2.9	3.3	6.0	7.5	3.9	7.0	3.8	7.3	39
40	3.1	5.1	3.8	4.9	2.5	2.7	6.9	10.0	3.6	6.4	4.0	5.8	40

Suspended load. Mean total and volatile suspended load (mg/l) for surface (TSSS, VSSS) and bottom (TSSB, VSSB), for each quarter and project as a whole.

	QUARTER I				QUARTER II				QUARTER III				QUARTER IV				QUARTER V				QUARTER I-V			
	TSS		VSS		TSS		VSS		TSS		VSS		TSS		VSS		TSS		VSS		TSS		VSS	
STATION	S	B	S	B	S	B	S	B	S	B	S	B	S	B	S	B	S	B	S	B	S	B	S	B
1	11	13	5	7	13		4	12	11		4		11	16	4	5	13	20	4	5	12	18	4	5
2	9	10	5	3	8		4		14	42	4	11	14	11	5	4	8	9	3	4	10	12	4	4
3	8	34	4	9	6	9	2	5	11	20	3	5	13	19	4	6	9	14	3	4	9	21	3	6
4	11	29	5	8	12		4		9	10	3	3	10	26	4	6	12	16	5	5	11	21	4	6
5	11	29	5	8	21		6		9	24	2	5	14	23	4	6	16	26	5	7	14	26	4	6
6	10	25	6	7	22		7		10		3		10	12	3	4	11	16	4	5	12	17	5	5
7	12	16	4	7	13		4		15	6	3	2	11	14	4	4	10	12	3	4	12	13	4	5
8	9	62	5	12	12	13	4	4	14	22	3	4	13	16	4	5	13	21	4	5	13	29	4	7
9	9	22	4	7	8	10	3	3	12	22	3	4	13	16	5	5	19	15	4	4	12	18	4	5
10	8	19	4	7	8	11	3	4	9	21	2	5	12	19	4	6	10	22	3	6	9	20	3	5
11	9	10	4	4	8	10	4	4	8	10	2	3	13	24	4	6	9	21	3	5	9	15	3	4
12	8	8	3	4	9	12	4	3	8	9	3	3	12	19	3	6	8	11	2	3	9	12	3	4
13	11	10	4	6	13		4		8	17	3	9	10	11	4	3	11	13	3	4	10	12	4	4
14	9	13	4	4	9		3		10	19	3	5	10	13	4	4	9	10	3	4	9	13	3	4
15	11	17	4	4	12	15	4	4	10	16	3	4	11	26	4	6	8	17	3	5	10	18	4	5
16	10	17	3	5	10	10	4	2	8	10	3	3	10	17	3	5	10	11	4	3	10	13	3	4
17	11	12	5	1	10		3		9		3		12	16	4	5	12	14	3	3	11	14	4	4
18	13	12	4	4	12		3		9	11	3	3	11	12	4	4	9	11	3	4	11	11	3	4
19	10	12	3	4	11		3		8	9	2	3	11	13	5	4	11	10	3	3	10	11	3	4
20	10	16	3	5	10	8	3	2	8	11	3	3	11	13	3	5	9	23	3	5	10	16	3	4
21	9	36	3	7	9	11	4	4	9	11	2	3	11	13	4	4	9	15	3	4	9	17	3	5
22	10	16	5	6	9	12	4	5	9	12	3	3	11	13	4	5	12	14	4	9	10	13	4	6
23	9	14	4	4	9	9	3	3	8	8	2	2	8	18	4	5	10	12	3	3	9	12	3	3
24	9	11	3	4	9	8	4	3	10	10	3	3	11	15	4	5	8	11	3	3	10	11	3	3
25	8	10	3	4	7	11	2	4	9	10	3	3	9	14	3	5	9	13	2	3	8	12	3	4
26	9	9	3	3	9	8	3	2	8	8	2	2	13	15	4	5	10	11	3	4	10	10	3	3
27	10	13	9	4	10		3		6	6	2	2	10	11	3	4	9	10	3	3	9	10	4	3
28	8	21	4	6	8	8	4	2	6	6	2	2	8	9	3	4	7	9	2	3	7	11	3	3
29	9	11	4	8	15	11	4	3	7	7	2	3	9	11	4	4	10	12	3	3	10	10	3	4
30	11	17	5	5	9	9	3	3	7	10	3	3	9	12	3	4	9	11	3	4	9	12	3	4
31	6	46	3	8	8	4	3	1	7	15	2	4	8	10	3	3	6	6	2	2	7	19	3	4
32	8	25	3	5	8		2		9	28	3	6	8	9	2	3	5	7	2	2	7	13	2	3
33	8	17	3	5	6	10	2	3	7	9	2	3	9	12	3	5	5	10	2	3	7	12	2	4
34	8	11	3	4	7	9	2	3	7	7	2	2	11	46	4	9	9	11	3	3	8	16	3	4
35	9	10	4	4	8	9	3	3	8	8	2	2	13	18	4	5	10	10	3	3	10	11	3	3
36	9	10	4	4	8	9	3	3	8	10	2	2	15	19	5	5	9	11	3	3	10	12	3	3
37	9	14	3	5	9	9	3	3	8	9	2	3	13	22	4	6	10	12	3	4	10	13	3	4
38	6	30	3	9	8		3		9		3		8	9	4	3	4	10	1	4	7	11	3	4
39	7	11	3	4	5	9	2	2	6	7	2	3	9	13	3	5	7	12	2	4	7	11	2	4
40	7	14	4	4	7	11	3	4	6	6	2	2	9	15	4	4	8	11	2	3	7	11	3	3

Chlorophyll 'a'. Mean concentrations (mg/m^3) of all samples collected for each quarter and project as a whole (all depths combined).

STATION	QTR. I	QTR. II	QTR. III	QTR. IV	QTR. V	QTR. VI
1	4,3.5	5,5.5	3,6.1	4,6.6	6,10.7	22,6.8
2	4,6.4	4,6.6	1,3.8	4,7.9	8,6.4	21,6.6
3	6,8.5	4,6.5	3,2.7	7,13.7	4,10.6	24,9.3
4	3,8.7	4,8.5	4,5.3	4,7.1	6,11.7	21,8.6
5	7,11.7	2,10.5	3,5.6	7,11.8	6,11.1	25,10.8
6	5,7.6	3,11.1	2,4.2	7,9.7	2,11.3	19,9.0
7	4,10.7	5,13.9	6,6.2	4,7.1	4,7.1	23,9.0
8	2,11.2	4,10.5	4,6.7	6,9.5	7,12.2	23,10.2
9	9,8.1	4,8.9	6,5.2	6,9.1	4,11.1	29,8.2
10	6,6.4	4,3.3	6,5.8	4,9.8	6,9.2	26,7.0
11	6,5.1	4,5.5	7,4.4	4,12.1	4,5.6	25,6.2
12	7,4.0	5,5.4	4,5.5	7,7.9	6,5.6	29,5.7
13	4,5.6	4,12.5	4,5.0	6,6.8	5,5.9	23,7.1
14	5,6.7	7,7.7	4,4.7	6,6.5	4,11.2	26,7.3
15	5,11.5	4,8.9	4,5.5	6,11.4	4,8.8	23,9.5
16	4,4.2	4,7.3	9,3.8	4,7.0	7,6.1	28,5.4
17	3,7.7	4,3.2	3,3.3	7,6.2	4,3.6	21,4.9
18	4,7.7	7,7.0	4,2.9	5,6.7	6,5.0	26,6.0
19	4,6.8	4,4.7	4,3.3	5,5.5	6,6.4	23,5.4
20	6,8.0	3,8.3	11,3.4	6,7.8	4,8.3	30,6.3
21	6,11.1	7,5.1	5,4.3	4,9.2	6,8.3	28,7.5
22	6,9.4	5,9.0	6,5.4	6,6.5	8,10.2	31,8.2
23	4,4.1	8,5.3	6,7.1	6,7.5	4,5.7	28,6.0
24	4,6.5	6,4.9	6,6.7	8,10.7	4,6.5	28,7.4
25	8,5.7	2,4.3	6,3.7	8,6.6	4,9.9	28,6.0
26	8,6.2	2,5.2	4,4.2	6,7.4	4,3.7	24,5.7
27	3,10.6	6,5.8	3,6.1	4,4.0	6,4.5	22,5.8
28	5,8.9	4,4.6	5,3.3	6,5.9	4,5.2	24,5.7
29	3,6.1	8,4.3	1,3.4	6,7.7	6,6.4	24,5.9
30	6,7.3	2,6.3	3,4.5	7,6.3	7,7.6	25,6.7
31	3,3.9	5,5.3	4,2.3	6,4.1	6,3.4	24,3.9
32	5,3.7	5,2.7	3,3.9	7,3.8	5,8.1	25,4.4
33	6,3.4	4,3.2	6,2.2	7,3.8	4,4.5	27,3.4
34	7,4.5	5,3.8	4,4.2	4,4.7	6,4.2	26,4.3
35	4,4.8	7,2.9	4,4.1	4,6.8	6,7.2	25,5.1
36	6,3.9	4,2.7	2,7.6	4,4.7	6,4.5	22,4.3
37	7,4.2	5,4.9	4,4.5	5,9.3	8,6.3	29,5.8
38	3,3.4	3,3.7	4,4.4	4,2.8	6,4.4	20,3.8
39	7,4.9	4,3.2	7,3.2	5,4.6	8,5.1	31,4.3
40	6,9.5	6,3.7	6,3.1	3,6.7	9,3.7	30,5.0

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ST

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	84	84346.47833347	1004.12474207	92.72	0.0001	0.757224	13.3355
ERROR	2497	27042.55497137	10.83001801		ROOT MSE		ST MEAN
CORRECTED TOTAL	2581	111389.03330484			3.29009927		24.67780015

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	80515.50778422	1858.62	0.0001	4	71373.29146329	1647.58	0.0001
STATION	39	3379.45603187	8.00	0.0001	39	2919.19707729	6.91	0.0001
TIDE	1	0.41971963	0.04	0.8440	1	15.67939913	1.45	0.2290
STATION*TIDE	39	421.28842137	1.00	0.4751	39	421.37480015	1.00	0.4747
DEPTH	1	29.80637639	2.75	0.0972	1	29.80637639	2.75	0.0972

DEPENDENT VARIABLE: BT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	84	85198.81534302	1014.27161123	96.06	0.0001	0.763682	13.2039
ERROR	2497	26364.37485880	10.55842005		ROOT MSE		BT MEAN
CORRECTED TOTAL	2581	111563.19020182			3.24937225		24.60926414

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	80880.33897974	1915.07	0.0001	4	72117.72175580	1707.59	0.0001
STATION	39	3655.46323116	9.36	0.0001	39	3074.33746229	7.47	0.0001
TIDE	1	0.85345871	0.08	0.7762	1	10.41454575	0.99	0.3207
STATION*TIDE	39	446.48679844	1.08	0.3325	39	445.76900455	1.08	0.3352
DEPTH	1	15.67287497	1.48	0.2232	1	15.67287497	1.48	0.2232

DEPENDENT VARIABLE: DT

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	84	272.24025684	3.24095544	6.00	0.0001	0.167911	1072.4919
ERROR	2497	1349.10060931	0.54028859		ROOT MSE		DT MEAN
CORRECTED TOTAL	2581	1621.34086615			0.73504326		0.06853602

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	48.43659843	22.41	0.0001	4	46.76011231	21.64	0.0001
STATION	39	180.32005603	8.56	0.0001	39	142.93714521	6.78	0.0001
TIDE	1	0.07615976	0.14	0.7074	1	0.53665005	0.99	0.3190
STATION*TIDE	39	41.15557195	1.95	0.0004	39	41.43804143	1.97	0.0004
DEPTH	1	2.25187066	4.17	0.0413	1	2.25187066	4.17	0.0413

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: SC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	84	57574.88805669	685.41533401	96.04	0.0001	0.763648	12.8667
ERROR	2497	17819.60885505	7.13640723		ROOT MSE		SC MEAN
CORRECTED TOTAL	2581	75394.49691174			2.67140548		20.76211951

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	9364.06326515	328.04	0.0001	4	9183.48473248	321.71	0.0001
STATION	39	43433.57918822	156.06	0.0001	39	24495.29398770	88.01	0.0001
TIDE	1	3009.83704914	421.76	0.0001	1	1042.93048771	146.14	0.0001
STATION*TIDE	39	1471.69915531	5.29	0.0001	39	1481.10489118	5.32	0.0001
DEPTH	1	295.70939887	41.44	0.0001	1	295.70939887	41.44	0.0001

DEPENDENT VARIABLE: BC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	84	45962.41319749	547.17158569	88.77	0.0001	0.749138	11.1695
ERROR	2497	15391.31387329	6.16392226		ROOT MSE		BC MEAN
CORRECTED TOTAL	2581	61353.72707078			2.48272476		22.22766073

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	12292.31313072	496.53	0.0001	4	11982.60704880	486.00	0.0001
STATION	39	30149.41205397	125.42	0.0001	39	13902.12493894	57.83	0.0001
TIDE	1	2079.60742348	337.38	0.0001	1	555.22550290	90.08	0.0001
STATION*TIDE	39	1106.87238770	4.60	0.0001	39	1130.75444887	4.70	0.0001
DEPTH	1	384.20820173	62.33	0.0001	1	384.20820173	62.33	0.0001

DEPENDENT VARIABLE: DC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	84	3453.22325878	41.10980070	13.32	0.0001	0.309436	119.6728
ERROR	2497	7706.49313212	3.08630081		ROOT MSE		DC MEAN
CORRECTED TOTAL	2581	11159.71639090			1.75678707		-1.46554222

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	412.85439882	33.44	0.0001	4	361.01653207	29.24	0.0001
STATION	39	2654.07358528	22.05	0.0001	39	2554.10765207	21.22	0.0001
TIDE	1	65.73406099	27.78	0.0001	1	76.23404185	24.70	0.0001
STATION*TIDE	39	294.77706092	2.45	0.0001	39	296.31040703	2.46	0.0001
DEPT	1	5.70415276	1.87	1711	1	5.70415276	1.87	0.17

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: PH1

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	45	22.34511510	0.49655811	6.99	0.0001	0.112197	3.2787
ERROR	2490	176.81372213	0.07100953		ROOT MSE		PH1 MEAN
CORRECTED TOTAL	2535	199.15883723			0.26647613		8.12742902

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	5.99750486	21.12	0.0001	4	6.42742607	22.63	0.0001
STATION	39	13.89489220	5.02	0.0001	39	12.18839642	4.40	0.0001
ST	1	2.31315962	32.58	0.0001	1	2.41214709	33.97	0.0001
SC	1	0.13955843	1.97	0.1611	1	0.13955843	1.97	0.1611

DEPENDENT VARIABLE: PH3

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	45	25.10214760	0.55782550	7.61	0.0001	0.121370	3.3345
ERROR	2480	181.72133399	0.07327473		ROOT MSE		PH3 MEAN
CORRECTED TOTAL	2525	206.82348159			0.27069306		8.11796912

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	7.54551798	25.74	0.0001	4	8.51056635	29.04	0.0001
STATION	39	14.36591835	5.03	0.0001	39	12.48193611	4.37	0.0001
ST	1	2.76067939	37.68	0.0001	1	3.05491539	41.69	0.0001
SC	1	0.41003188	5.60	0.0181	1	0.41003188	5.60	0.0181

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: DO1

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	45	3267.92056870	72.62045708	173.95	0.0001	0.755590	8.8888
ERROR	2532	1057.07368751	0.41748566		ROOT MSE		DO1 MEAN
CORRECTED TOTAL	2577	4324.99425621			0.64613130		7.26902638

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	2365.73088206	1416.65	0.0001	4	46.05913618	27.58	0.0001
STATION	39	114.05128210	7.00	0.0001	39	39.60006760	2.43	0.0001
ST	1	736.32633362	1763.72	0.0001	1	682.88794334	1635.72	0.0001
SC	1	51.81207092	124.11	0.0001	1	51.81207092	124.11	0.0001

DEPENDENT VARIABLE: DO3

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	45	4112.49122021	91.38869378	165.78	0.0001	0.746603	10.5569
ERROR	2532	1395.78062153	0.55125617		ROOT MSE		DO3 MEAN
CORRECTED TOTAL	2577	5508.27184174			0.74246628		7.03301009

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	2853.92386112	1294.28	0.0001	4	25.44115931	11.54	0.0001
STATION	39	228.70233777	10.64	0.0001	39	155.33321462	7.23	0.0001
BT	1	961.21788087	1743.69	0.0001	1	845.44265856	1533.67	0.0001
BC	1	68.64714045	124.53	0.0001	1	68.64714045	124.53	0.0001

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: DSS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	45	22958.12805418	510.18062343	7.02	0.0001	0.110876	8.7968
ERROR	2532	184102.40529654	72.71027065		ROOT MSE		DSS MEAN
CORRECTED TOTAL	2577	207060.53335072			8.52703176		96.93296737

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	13484.31479053	46.36	0.0001	4	6091.68714617	20.95	0.0001
STATION	39	8263.90209706	2.91	0.0001	39	6640.93171141	2.34	0.0001
ST	1	1109.90459790	15.26	0.0001	1	1020.82325094	14.04	0.0002
SC	1	100.00656870	1.38	0.2410	1	100.00656870	1.38	0.2410

DEPENDENT VARIABLE: DSB

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	45	69160.56940519	1536.90154234	14.83	0.0001	0.208555	10.8046
ERROR	2532	262457.58783975	103.65623532		ROOT MSE		DSB MEAN
CORRECTED TOTAL	2577	331618.15724495			10.18117063		94.22981029

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	28232.68531961	68.09	0.0001	4	2348.53784841	5.66	0.0002
STATION	39	30874.25695573	7.64	0.0001	39	31811.63087098	7.87	0.0001
ST	1	8669.67292726	83.64	0.0001	1	7254.05617911	69.98	0.0001
SC	1	1383.75420259	13.35	0.0003	1	1383.75420259	13.35	0.0003

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: KS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	49	22.58978939	0.46101611	19.24	0.0001	0.355779	43.9806
ERROR	1707	40.90417268	0.02396261		ROOT MSE		KS MEAN
CORRECTED TOTAL	1756	63.49396207			0.15479061		0.35197033

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	3.15454833	32.91	0.0001	4	0.97172083	10.14	0.0001
STORM(QUARTER)	4	1.24515771	12.99	0.0001	4	0.11014027	1.23	0.2950
STATION	39	11.04245991	11.82	0.0001	39	3.31255464	3.54	0.0001
DEPTH	1	0.56292565	23.49	0.0001	1	0.10691419	4.46	0.0348
TURBS	1	6.58469778	274.79	0.0001	1	6.58469778	274.79	0.0001

DEPENDENT VARIABLE: KB

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	49	34.92387433	0.71273213	29.41	0.0001	0.368527	46.5048
ERROR	2469	59.84236568	0.02423749		ROOT MSE		KB MEAN
CORRECTED TOTAL	2518	94.76624000			0.15568395		0.33476942

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	4.72283420	48.71	0.0001	4	3.23140853	33.33	0.0001
STORM(QUARTER)	4	2.34768034	24.22	0.0001	4	0.63595799	6.56	0.0001
STATION	39	19.83477225	20.98	0.0001	39	5.87139566	6.21	0.0001
DEPTH	1	3.26466777	134.69	0.0001	1	2.42749250	100.15	0.0001
TURBS	1	4.75391977	196.14	0.0001	1	4.75391977	196.14	0.0001

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: TURBS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	50	13039.36952257	276.70739045	50.00	0.0001	0.699209	36.4201
ERROR	1247	5951.25074962	4.77245449		ROOT MSE		TURBS MEAN
CORRECTED TOTAL	1297	19790.62027219			2.10459401		5.99032020

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	1075.00010772	56.36	0.0001	4	213.59325924	11.19	0.0001
STORM(QUARTER)	3	2131.00291163	148.04	0.0001	3	350.79457132	25.06	0.0001
STATION	39	3416.49700360	18.36	0.0001	39	624.75109179	3.36	0.0001
DEPTH	1	609.50090322	144.40	0.0001	1	85.63229165	17.94	0.0001
SC	1	41.09396051	0.70	0.0031	1	5.76937617	1.21	0.2718
TSSS	1	6403.93660230	1350.62	0.0001	1	6401.50725205	1350.12	0.0001
ST	1	0.63407359	0.13	0.7155	1	0.63407359	0.13	0.7155

DEPENDENT VARIABLE: TURBB

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	50	30242.93006007	604.05861730	22.46	0.0001	0.536534	61.8106
ERROR	970	26124.25000694	26.93221650		ROOT MSE		TURBB MEAN
CORRECTED TOTAL	1020	56367.18007501			5.18962585		8.39601371

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	3329.90499074	30.91	0.0001	4	833.23500769	7.73	0.0001
STORM(QUARTER)	3	3910.74339073	48.50	0.0001	3	1547.03559955	19.16	0.0001
STATION	39	4900.15424769	4.67	0.0001	39	2137.72385645	2.04	0.0002
DEPTH	1	112.09777029	4.19	0.0409	1	74.41324620	2.76	0.0968
SC	1	36.33096160	1.35	0.2457	1	22.25169724	0.83	0.3636
TSSB	1	17931.99953027	665.82	0.0001	1	17943.06425173	666.26	0.0001
ST	1	12.09995354	0.48	0.4891	1	12.09995354	0.48	0.4891

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: TURBS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	56	2090.97986928	37.33092624	2.05	0.0001	0.374702	63.0155
ERROR	266	3409.40519512	13.11806464		ROOT MSE		TURBS MEAN
CORRECTED TOTAL	322	5500.38506440			3.62160609		5.74761610

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	1209.16804980	23.04	0.0001	4	325.55267451	6.20	0.0001
STORM(QUARTER)	4	290.59183373	5.54	0.0003	4	206.55550361	5.46	0.0003
STATION	4	215.36605665	4.10	0.0030	4	44.11251060	0.84	0.5004
BARGE(QUARTE*STATIO)	44	375.85392909	0.65	0.9565	44	375.85392909	0.65	0.9565

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: TSSS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	47	1140.46580007	24.26523166	1.82	0.0052	0.421832	38.0745
ERROR	117	1563.13411193	13.36012061		ROOT MSE		TSSS MEAN
CORRECTED TOTAL	164	2703.60000000			3.65514908		9.60000000

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	406.40476190	9.10	0.0001	4	334.50025907	6.26	0.0001
STORM(QUARTER)	3	246.81142857	6.16	0.0007	3	265.26135301	6.62	0.0004
STATION	4	115.41818182	2.16	0.0778	4	72.42211046	1.36	0.2533
BARGE(QUARTE*STATIO)	34	279.37247036	0.62	0.9401	34	263.64791712	0.58	0.9653
ST	1	1.60012438	0.12	0.7299	1	0.90469660	0.07	0.7865
SC	1	10.05092104	0.01	0.3691	1	10.05092104	0.01	0.3691

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: TSSS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	45	1128.00684265	25.06681873	1.89	0.0033	0.417224	37.9033
ERROR	119	1575.59315735	13.24027063		ROOT MSE		TSSS MEAN
CORRECTED TOTAL	164	2703.60000000			3.63071937		9.60000000

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	406.40476190	9.18	0.0001	4	360.56390820	7.19	0.0001
STORM(QUARTER)	3	246.81142857	6.21	0.0007	3	264.70065217	6.67	0.0004
STATION	4	115.41818182	2.18	0.0754	4	83.50031394	1.58	0.1650
BARGE(QUARTE*STATIO)	34	279.37247036	0.62	0.9451	34	279.37247036	0.62	0.9451

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: TSSS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	49	24465.27153516	499.29125582	44.54	0.0001	0.635403	34.8249
ERROR	1252	14033.40511615	11.20079003		ROOT MSE		TSSS MEAN
CORRECTED TOTAL	1301	38498.67665131			3.34795311		9.61367127

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	630.85504889	14.07	0.0001	4	186.60462140	4.16	0.0024
STORM(QUARTER)	3	3187.83265417	94.80	0.0001	3	57.52486627	1.71	0.1611
STATION	39	3849.60364964	8.81	0.0001	39	424.97750172	0.97	0.5200
TURBS	1	16681.42419233	1488.24	0.0001	1	16573.04421512	1478.65	0.0001
ST	1	0.25676192	0.02	0.8797	1	1.69645975	0.15	0.6973
SC	1	115.29922819	10.29	0.0014	1	115.29922819	10.29	0.0014

DEPENDENT VARIABLE: TSSB

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	49	124047.03390264	2531.57212046	18.42	0.0001	0.480719	82.1403
ERROR	975	133998.02365833	137.43387042		ROOT MSE		TSSB MEAN
CORRECTED TOTAL	1024	258045.05756098			11.72321929		14.27219512

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	8392.90304008	15.27	0.0001	4	5913.61105967	10.76	0.0001
STORM(QUARTER)	3	6057.25762050	14.69	0.0001	3	334.33578362	0.81	0.4907
STATION	39	17322.67149580	3.23	0.0001	39	6750.90909776	1.26	0.1344
TURBB	1	92159.25120184	670.57	0.0001	1	92151.53004910	670.52	0.0001
ST	1	66.67231221	0.49	0.4863	1	62.40169925	0.45	0.5006
SC	1	48.27823221	0.35	0.5535	1	48.27823221	0.35	0.5535

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: VSSS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	44	255.24925772	5.80111949	2.82	0.0001	0.360318	44.8498
ERROR	220	453.15074228	2.05977610		ROOT MSE		VSSS MEAN
CORRECTED TOTAL	264	708.40000000			1.43519201		3.20000000

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	58.94823697	7.15	0.0001	4	69.20913995	8.41	0.0001
STATION	39	116.69258937	1.45	0.0506	39	73.63749053	0.92	0.6151
CHLORAS	1	79.60843137	38.65	0.0001	1	79.60843137	38.65	0.0001

DEPENDENT VARIABLE: VSSB

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	44	1279.69208529	29.08391103	2.60	0.0001	0.418305	75.9146
ERROR	159	1779.53830687	11.19206482		ROOT MSE		VSSB MEAN
CORRECTED TOTAL	203	3059.23039216			3.34545435		4.40686275

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	233.66572881	5.22	0.0006	4	227.37580075	5.08	0.0007
STATION	39	711.85434839	1.63	0.0191	39	545.97752993	1.25	0.1700
CHLORAB	1	334.17200809	29.86	0.0001	1	334.17200009	29.86	0.0001

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: CHLORAS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	48	1101.50671690	22.94805660	5.45	0.0001	0.671380	31.1656
ERROR	128	539.15509101	4.21214915		ROOT MSE		CHLORAS MEAN
CORRECTED TOTAL	176	1640.66180791			2.05235210		6.58531073

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
QUARTER	4	222.60020584	13.21	0.0001	4	110.97986334	6.59	0.0001
STATION	39	700.63874384	4.27	0.0001	39	323.98029225	1.97	0.0025
MS	1	103.40994534	24.55	0.0001	1	10.17810657	2.42	0.1225
SECCHI	1	40.94566448	9.72	0.0023	1	23.21081323	5.51	0.0204
SC	1	0.50928412	0.12	0.7286	1	0.45073636	0.11	0.7441
ST	1	8.06459137	1.91	0.1689	1	6.85955886	1.63	0.2042
VSSS	1	25.33826190	6.02	0.0155	1	25.33820190	6.02	0.0155

APPENDIX III

BENTHIC INFAUNAL DATA

Number per M^2 and percent composition for dominant species.

6-14-83

STATION 1

3477	43.9	COROPHIUM LACUSTRE
1035	13.1	ODOSTOMIA SP.
757	9.6	HALMYRAPSEUDES CF. CUBANENSIS
512	6.5	HAPLOSCOLOPLOS FOLIOSUS
405	5.1	XENANTHURA BREVITELSON
331	4.2	HETEROMASTUS FILIFORMIS
235	3.0	GRANDIDIERELLA BONNIEROIDES
224	2.8	AMPELISCA ABDITA
149	1.9	MEDIOMASTUS AMBISETA
107	1.3	APANTHURA MAGNIFICA

9-8-83

STATION 1

7200	75.7	HALMYRAPSEUDES CF. CUBANENSIS
448	4.7	TAGELUS PLEBIUS
395	4.1	XENANTHURA BREVITELSON
341	3.6	PARASTARTE TRIQUERTA
213	2.2	MEDIOMASTUS AMBISETA
128	1.3	HETEROMASTUS FILIFORMIS
117	1.2	HAPLOSCOLOPLOS FOLIOSUS
107	1.1	STREBLOSPIO BENEDICTI
107	1.1	APANTHURA CF. SIGNATA
85	0.9	PARANDALIA AMERICANA

11-23-83

STATION 1

13813	84.6	HALMYRAPSEUDES CF. CUBANENSIS
725	4.4	XENANTHURA BREVITELSON
341	2.1	TELLINA SP.
299	1.8	HAPLOSCOLOPLOS FOLIOSUS
235	1.4	STREBLOSPIO BENEDICTI
149	0.9	PARANDALIA AMERICANA
107	0.7	SCOLELEPIS TEXANA
75	0.5	CYATHURA POLITA
64	0.4	NEANTHES SUCCINEA
53	0.3	MEDIOMASTUS AMBISETA

2-23-84

STATION 1

6869	36.8	HALMYRAPSEUDES CF. CUBANENSIS
4917	26.3	TAGELUS PLEBIUS
2176	11.7	XENANTHURA BREVITELSON
1621	8.7	STREBLOSPIO BENEDICTI
864	4.6	HAPLOSCOLOPLOS FOLIOSUS
373	2.0	POLYDORA LIGNI
373	2.0	PARASTARTE TRIQUERTA
181	1.0	HETEROMASTUS FILIFORMIS
149	0.8	CYATHURA POLITA
128	0.7	LAEONEREIS CULVERI

6-6-84

STATION 1

1259	27.4	HALMYRAPSEUDES CF. CUBANENSIS
811	17.6	XENANTHURA BREVITELSON
491	10.7	HAPLOSCOLOPLOS FOLIOSUS
491	10.7	COROPHIUM LOUISANIUM
320	7.0	MESANTHURA FLORIDENSIS
288	6.3	ODOSTOMIA SP.
149	3.2	TAGELUS PLEBIUS
117	2.6	PARANDALIA AMERICANA
96	2.1	HETEROMASTUS FILIFORMIS
85	1.9	LAEONEREIS CULVERI

6-14-83

STATION 2

4085	42.0	AMPELISCA HOLMESI
736	7.6	ARICIDEA TAYLORI
501	5.2	ARICIDEA PHILBINAE
469	4.8	MULINIA LATERALIS
437	4.5	MAGELONA PETTIBONEAE
331	3.4	AMPELISCA ABDITA
288	3.0	AMYGDALUM PAPYRIUM
277	2.9	KINBERGONUPHIS SIMONI
256	2.6	THARYX CF. DORSOBRANCHIALIS
235	2.4	CUMELLA SP. A.

9-8-83

STATION 2

1493	35.7	STREBLOSPIO BENEDICTI
565	13.5	ARICIDEA PHILBINAE
363	8.7	MEDIOMASTUS AMBISETA
256	6.1	MAGELONA PETTIBONEAE
245	5.9	ARICIDEA TAYLORI
192	4.6	THARYX CF. DORSOBRANCHIALIS
171	4.1	KINBERGONUPHIS SIMONI
149	3.6	PARAPRIONOSPIO PINNATA
96	2.3	CAPITELLA CAPITATA
85	2.0	SCOLOPLOS RUBRA

11-23-83

STATION 2

864	9.9	ARICIDEA PHILBINAE
811	9.2	STREBLOSPIO BENEDICTI
661	7.5	ARICIDEA TAYLORI
651	7.4	KINBERGONUPHIS SIMONI
629	7.2	MEDIOMASTUS SP.
576	6.6	SCOLELEPIS TEXANA
555	6.3	PARAPRIONOSPIO PINNATA
459	5.2	SPIOCHAETOPTERUS C. OCULATUS
437	5.0	ACTEOCINA CANALICULATA
341	3.9	MAGELONA PETTIBONEAE

2-23-84

STATION 2

1419	10.4	STREBLOSPIO BENEDICTI
1120	8.2	ARICIDEA TAYLORI
917	6.7	ARICIDEA PHILBINAE
885	6.5	MEDIOMASTUS AMBISETA
779	5.7	MOOREONUPHIS NEBULOSA
704	5.2	MYSELLA PLANULATA
555	4.1	MAGELONA PETTIBONEAE
555	4.1	GAMMARUS MUCRONATUS
512	3.8	OXYUROSTYLIS SMITHI
469	3.4	CYMADUSA COMPTA

6-6-84

STATION 2

1152	17.0	THARYX CF. DORSOBRANCHIALIS
747	11.0	ARICIDEA PHILBINAE
533	7.9	MOOREONUPHIS NEBULOSA
523	7.7	FABRICIA SP. A
416	6.2	ARICIDEA TAYLORI
384	5.7	AMPELISCA HOLMESI
288	4.3	MEDIOMASTUS AMBISETA
213	3.2	CAPITELLA CAPITATA
160	2.4	CREPIDULA PLANA
149	2.2	NEANTHES SUCCINEA

6-14-83

STATION 3

3947	30.3	BRACHIDONTES EXUSTUS
2368	18.2	AMYGDALUM PAPYRIUM
1664	12.8	CREPIDULA PLANA
267	2.0	MEDIOMASTUS AMBISETA
245	1.9	LUMBRINERIS VERRILLI
245	1.9	CUMELLA SP. A.
224	1.7	NEANTHES SUCCINEA
224	1.7	MYSELLA PLANULATA
213	1.6	MEDIOMASTUS CALIFORNIENSIS
192	1.5	COROPHIUM LACUSTRE

9-8-83

STATION 3

2240	20.8	CAECUM PULCHELLUM
1045	9.7	BRACHIDONTES EXUSTUS
960	8.9	SIREBLOSPIO BENEDICTI
715	6.6	MEDIOMASTUS AMBISETA
469	4.4	ARICIDEA TAYLORI
331	3.1	THARYX CF. DORSOBRANCHIALIS
331	3.1	CREPIDULA PLANA
288	2.7	FABRICIA SP. A
277	2.6	MYSELLA PLANULATA
245	2.3	CIRROPHORUS CF. FURCATUS

11-23-83

STATION 3

5739	21.1	CREPIDULA PLANA
2528	9.3	MEDIOMASTUS CALIFORNIENSIS
1973	7.3	BRACHIDONTES EXUSTUS
1963	7.2	KINBERGONUPHIS SIMONI
1355	5.0	NEANTHES SUCCINEA
1291	4.7	COROPHIUM SP. A
1077	4.0	CRASSOSTREA VIRGINICA
704	2.6	SCOLELEPIS TEXANA
640	2.4	SPIOCHAETOPTERUS C. OCULATUS
608	2.2	THARYX CF. DORSOBRANCHIALIS

2-23-84

STATION 3

3125	18.2	CYMADUSA COMPTA
2155	12.6	MEDIOMASTUS AMBISETA
1333	7.8	FABRICIA SP. A
971	5.7	KINBERGONUPHIS SIMONI
725	4.2	OXYUROSTYLIS SMITHI
651	3.8	CAECUM PULCHELLUM
597	3.5	BRACHIDONTES EXUSTUS
597	3.5	COROPHIUM ACHERUSICUM
501	2.9	EXOGONE DISPAR
448	2.6	MITRELLA LUNATA

6-6-84

STATION 3

3616	15.1	CREPIDULA PLANA
2923	12.2	AMYGDALUM PAPYRIUM
2464	10.3	CAECUM PULCHELLUM
949	4.0	AMPELISCA ABDITA
821	3.4	FABRICIA SP. A
672	2.8	BRACHIDONTES EXUSTUS
661	2.8	COROPHIUM LACUSTRE
587	2.4	MYSELLA PLANULATA
501	2.1	GRANDIDIERELLA BONNIEROIDES
427	1.8	MELITA ELONGATA

6-14-83

STATION 4

4555	40.9	HALMYRAPSEUDES CF. CUBANENSIS
3477	31.2	AMPELISCA ABDITA
853	7.7	ARICIDEA PHILBINAE
587	5.3	MEDIOMASTUS AMBISETA
363	3.3	STREBLOSPIO BENEDICTI
235	2.1	MULINIA LATERALIS
213	1.9	CAPITELLA CAPITATA
203	1.8	ACTEON PUNCTOSTRIATUS
128	1.1	CUMELLA SP. A.
96	0.9	HAPLOSCOLOPLOS FRAGILIS

7-25-83

STATION 4

19435	73.3	HALMYRAPSEUDES CF. CUBANENSIS
3531	13.3	AMPELISCA ABDITA
1280	4.8	MEDIOMASTUS AMBISETA
576	2.2	STREBLOSPIO BENEDICTI
427	1.6	ARICIDEA PHILBINAE
181	0.7	THARYX CF. DORSOBRANCHIALIS
139	0.5	MELITA ELONGATA
85	0.3	HAPLOSCOLOPLOS FRAGILIS
85	0.3	AMPELISCA AGASSIZI
75	0.3	XENANTHURA BREVITELSON

9-8-83

STATION 4

2112	21.9	MEDIOMASTUS AMBISETA
2037	21.1	HALMYRAPSEUDES CF. CUBANENSIS
1301	13.5	AMPELISCA ABDITA
917	9.5	HAPLOSCOLOPLOS FRAGILIS
512	5.3	HAPLOSCOLOPLOS FOLIOSUS
373	3.9	CAPITELLA CAPITATA
352	3.6	STREBLOSPIO BENEDICTI
299	3.1	XENANTHURA BREVITELSON
288	3.0	ARICIDEA PHILBINAE
235	2.4	PARANDALIA AMERICANA

10-13-83

STATION 4

2421	55.9	MEDIOMASTUS AMBISETA
907	20.9	STREBLOSPIO BENEDICTI
480	11.1	ARICIDEA PHILBINAE
149	3.4	PARANDALIA AMERICANA
53	1.2	MELITA LONGISETOSA
43	1.0	CAPITELLA CAPITATA
43	1.0	HAPLOSCOLOPLOS FRAGILIS
32	0.7	PARAPRIONOSPIO PINNATA
32	0.7	OGYRIDES ALPHAEROSTRIS
21	0.5	CIRROPHORUS CF. FURCATUS

11-23-83

STATION 4

960	46.6	STREBLOSPIO BENEDICTI
341	16.6	HAPLOSCOLOPLOS FOLIOSUS
267	13.0	ARICIDEA PHILBINAE
213	10.4	MEDIOMASTUS SP.
75	3.6	PARAPRIONOSPIO PINNATA
32	1.6	CAPITELLA CAPITATA
32	1.6	HAPLOSCOLOPLOS FRAGILIS
21	1.0	PARANDALIA AMERICANA
11	0.5	CIRROPHORUS CF. FURCATUS
11	0.5	GYPTIS BREVIPALPA

1-4-84

STATION 4

1813	36.8	STREBLOSPIO BENEDICTI
821	16.7	MEDIOMASTUS AMBISETA
683	13.9	HAPLOSCOLOPLOS FOLIOSUS
448	9.1	CAPITELLA CAPITATA
213	4.3	ARICIDEA PHILBINAE
139	2.8	THARYX CF. DORSOBRANCHIALIS
96	1.9	ACTEON PUNCTOSTRIATUS
85	1.7	ODOSTOMIA SP.
75	1.5	HAPLOSCOLOPLOS FRAGILIS
75	1.5	PARANDALIA AMERICANA

2-23-84

STATION 4

6357	50.7	STREBLOSPIO BENEDICTI
1205	9.6	MEDIOMASTUS AMBISETA
768	6.1	CAPITELLA CAPITATA
597	4.8	AMPELISCA ABDITA
576	4.6	HAPLOSCOLOPLOS FOLIOSUS
544	4.3	CYCLASPIS SP. A
480	3.8	ARICIDEA PHILBINAE
480	3.8	HAPLOSCOLOPLOS FRAGILIS
288	2.3	HALMYRAPSEUDES CF. CUBANENSIS
203	1.6	ODOSTOMIA SP.

4-16-84

STATION 4

2091	41.3	STREBLOSPIO BENEDICTI
1291	25.5	MEDIOMASTUS AMBISETA
704	13.9	HALMYRAPSEUDES CF. CUBANENSIS
363	7.2	ARICIDEA PHILBINAE
96	1.9	HAPLOSCOLOPLOS FRAGILIS
85	1.7	THARYX CF. DORSOBRANCHIALIS
75	1.5	PARANDALIA AMERICANA
64	1.3	SCOLOPLOS RUBRA
64	1.3	EULIMASTOMA SP. A
53	1.1	PARAPRIONOSPIO PINNATA

6-6-84

STATION 4

17472	71.6	HALMYRAPSEUDES CF. CUBANENSIS
2176	8.9	MEDIOMASTUS AMBISETA
1152	4.7	AMPELISCA ABDITA
971	4.0	HAPLOSCOLOPLOS FRAGILIS
512	2.1	STREBLOSPIO BENEDICTI
427	1.7	CAPITELLA CAPITATA
320	1.3	ARICIDEA PHILBINAE
320	1.3	CIRROPHORUS CF. FURCATUS
203	0.8	PARANDALIA AMERICANA
128	0.5	ASCIDIACEA SP.

7-17-84

STATION 4

704	36.3	ASCIDIACEA SP.
384	19.8	HAPLOSCOLOPLOS FRAGILIS
277	14.3	MEDIOMASTUS CALIFORNIENSIS
96	4.9	STREBLOSPIO BENEDICTI
64	3.3	PARANDALIA AMERICANA
53	2.7	PARAPRIONOSPIO PINNATA
53	2.7	ARICIDEA SP. C
43	2.2	THARYX CF. DORSOBRANCHIALIS
32	1.6	ARICIDEA PHILBINAE
32	1.6	TELLINA SP.

6-14-83

STATION 5

1429	32.5	STREBLOSPIO BENEDICTI
1003	22.8	ARICIDEA PHILBINAE
544	12.4	MEDIOMASTUS AMBISETA
427	9.7	CAPITELLA CAPITATA
213	4.9	ACTEON PUNCTOSTRIATUS
128	2.9	HAPLOSCOLOPLOS FRAGILIS
85	1.9	CUMELLA SP. A.
85	1.9	MELITA ELONGATA
75	1.7	MULINIA LATERALIS
75	1.7	AMPELISCA ABDITA

7-25-83

STATION 5

1120	37.1	ARICIDEA PHILBINAE
864	28.6	MEDIOMASTUS AMBISETA
267	8.8	STREBLOSPIO BENEDICTI
107	3.5	HAPLOSCOLOPLOS FRAGILIS
85	2.8	MELITA ELONGATA
75	2.5	CAPITELLA CAPITATA
64	2.1	PARANDALIA AMERICANA
53	1.8	ARICIDEA TAYLORI
53	1.8	TELLINA VERSICOLOR
53	1.8	MICROPROTOPUS RANEYI

9-8-83

STATION 5

2528	52.2	MEDIOMASTUS AMBISETA
1173	24.2	STREBLOSPIO BENEDICTI
736	15.2	ARICIDEA PHILBINAE
107	2.2	HAPLOSCOLOPLOS FRAGILIS
64	1.3	PARAPRIONOSPIO PINNATA
32	0.7	PARANDALIA AMERICANA
32	0.7	SCOLOPLOS RUBRA
32	0.7	OGYRIDES ALPHAEROSTRIS
21	0.4	CAPITELLA CAPITATA
21	0.4	ALPHEUS HETEROCHAELIS

10-13-83

STATION 5

1376	41.0	STREBLOSPIO BENEDICTI
1013	30.2	MEDIOMASTUS SP.
512	15.2	ARICIDEA PHILBINAE
192	5.7	HAPLOSCOLOPLOS FRAGILIS
64	1.9	ARICIDEA TAYLORI
53	1.6	PARAPRIONOSPIO PINNATA
43	1.3	TELLINA SP.
21	0.6	PARANDALIA AMERICANA
11	0.3	FABRICIA SP. A
11	0.3	LUMBRINERIS VERRILLI

11-23-83

STATION 5

1141	40.1	STREBLOSPIO BENEDICTI
309	10.9	ARICIDEA PHILBINAE
309	10.9	HAPLOSCOLOPLOS FOLIOSUS
203	7.1	MEDIOMASTUS SP.
160	5.6	PARAPRIONOSPIO PINNATA
139	4.9	HAPLOSCOLOPLOS FRAGILIS
96	3.4	CAPITELLA CAPITATA
96	3.4	SCOLELEPIS TEXANA
75	2.6	OGYRIDES ALPHAEROSTRIS
53	1.9	THARYX CF. DORSOBRANCHIALIS

1-4-84

STATION 5

3285	44.5	STREBLOSPIO BENEDICTI
1248	16.9	MEDIOMASTUS AMBISETA
1163	15.8	HAPLOSCOLOPLOS FOLIOSUS
725	9.8	ARICIDEA PHILBINAE
224	3.0	HAPLOSCOLOPLOS FRAGILIS
171	2.3	CAPITELLA CAPITATA
128	1.7	ODOSTOMIA SP.
107	1.4	PARAPRIONOSPIO PINNATA
107	1.4	TELLINA SP.
64	0.9	SCOLELEPIS TEXANA

2-23-84

STATION 5

7136	46.2	STREBLOSPIO BENEDICTI
2037	13.2	MEDIOMASTUS AMBISETA
1483	9.6	ARICIDEA PHILBINAE
1013	6.6	HAPLOSCOLOPLOS FRAGILIS
949	6.1	HAPLOSCOLOPLOS FOLIOSUS
715	4.6	ODOSTOMIA SP.
395	2.6	COROPHIUM TUBERCULATUM
352	2.3	CAPITELLA CAPITATA
192	1.2	CYCLASPIS SP. A
181	1.2	TELLINA SP.

4-16-84

STATION 5

1088	27.5	STREBLOSPIO BENEDICTI
1067	27.0	HAPLOSCOLOPLOS FRAGILIS
587	14.8	ARICIDEA PHILBINAE
363	9.2	HAPLOSCOLOPLOS FOLIOSUS
160	4.0	MEDIOMASTUS AMBISETA
139	3.5	PARAPRIONOSPIO PINNATA
96	2.4	ETEONE LACTEA
75	1.9	CAPITELLA CAPITATA
75	1.9	AMPELISCA ABDITA
53	1.3	TELLINA SYBARITICA

6-6-84

STATION 5

1237	32.2	HAPLOSCOLOPLOS FRAGILIS
405	10.6	ASCIDIACEA SP.
395	10.3	ARICIDEA PHILBINAE
352	9.2	MEDIOMASTUS AMBISETA
245	6.4	HAPLOSCOLOPLOS FOLIOSUS
192	5.0	STREBLOSPIO BENEDICTI
149	3.9	CAPITELLA CAPITATA
96	2.5	TELLINA VERSICOLOR
75	1.9	PARAPRIONOSPIO PINNATA
64	1.7	MYSELLA PLANULATA

7-17-84

STATION 5

587	25.8	HAPLOSCOLOPLOS FRAGILIS
341	15.0	ARICIDEA PHILBINAE
235	10.3	STREBLOSPIO BENEDICTI
149	6.6	PARAHESIONE LUTEOLA
128	5.6	MEDIOMASTUS SP.
107	4.7	ODOSTOMIA SP.
96	4.2	MEDIOMASTUS AMBISETA
75	3.3	PARAPRIONOSPIO PINNATA
64	2.8	MELITA SP.
53	2.3	CAPITELLA CAPITATA

6-14-83

STATION 6

2080	36.0	ARICIDEA PHILBINAE
629	10.9	MEDIOMASTUS AMBISETA
395	6.8	DIASTOMA VARIUM
277	4.8	CYMODOCE FAXONI
213	3.7	CAPITELLA CAPITATA
213	3.7	MITRELLA LUNATA
181	3.1	ERICHSONELLA CF. ATTENUATA
171	3.0	STREBLOSPIO BENEDICTI
171	3.0	MULINIA LATERALIS
128	2.2	NEANTHES SUCCINEA

9-8-83

STATION 6

853	29.4	ARICIDEA PHILBINAE
736	25.4	STREBLOSPIO BENEDICTI
640	22.1	MEDIOMASTUS AMBISETA
107	3.7	NEANTHES SUCCINEA
96	3.3	PARANDALIA AMERICANA
96	3.3	SCOLOPLOS RUBRA
96	3.3	THARYX CF. DORSOBRANCHIALIS
32	1.1	HAPLOSCOLOPLOS FRAGILIS
32	1.1	AMYGDALUM PAPYRIUM
32	1.1	AMPELISCA HOLMESI

11-23-83

STATION 6

2827	42.3	STREBLOSPIO BENEDICTI
1003	15.0	ARICIDEA PHILBINAE
619	9.3	HAPLOSCOLOPLOS FOLIOSUS
555	8.3	MEDIOMASTUS SP.
373	5.6	HAPLOSCOLOPLOS FRAGILIS
245	3.7	PARAPRIONOSPIO PINNATA
224	3.4	SCOLELEPIS TEXANA
139	2.1	ARICIDEA TAYLORI
128	1.9	HAMINOE SUCCINEA
85	1.3	MEDIOMASTUS AMBISETA

2-23-84

STATION 6

7808	64.2	STREBLOSPIO BENEDICTI
864	7.1	HAPLOSCOLOPLOS FRAGILIS
768	6.3	ARICIDEA PHILBINAE
448	3.7	HAPLOSCOLOPLOS FOLIOSUS
405	3.3	MEDIOMASTUS AMBISETA
395	3.2	ODOSTOMIA SP.
320	2.6	TELLINA TEXANA
309	2.5	CYCLASPIS SP. A
128	1.1	POLYDORA LIGNI
117	1.0	CAPITELLA CAPITATA

6-6-84

STATION 6

1781	18.5	MEDIOMASTUS AMBISETA
1675	17.4	ARICIDEA PHILBINAE
939	9.8	CAPITELLA CAPITATA
683	7.1	NEANTHES SUCCINEA
469	4.9	ASCIDIACEA SP.
448	4.7	HAPLOSCOLOPLOS FRAGILIS
416	4.3	HAPLOSCOLOPLOS FOLIOSUS
341	3.6	STREBLOSPIO BENEDICTI
299	3.1	HARGERIA RAPAX
235	2.4	COROPHIUM LACUSTRE

6-14-83

STATION 7

565	15.2	AMPELISCA HOLMESI
448	12.0	MULINIA LATERALIS
363	9.7	ARICIDEA TAYLORI
277	7.4	HAPLOSCOLOPLOS FRAGILIS
213	5.7	ARICIDEA PHILBINAE
139	3.7	SCOLOPLOS RUBRA
128	3.4	CUMELLA SP. A.
117	3.2	MEDIOMASTUS AMBISETA
107	2.9	PARAPRIONOSPIO PINNATA
85	2.3	THARYX CF. DORSOBRANCHIALIS

7-25-83

STATION 7

949	22.7	STREBLOSPIO BENEDICTI
491	11.7	ARICIDEA PHILBINAE
459	11.0	ARICIDEA TAYLORI
384	9.2	MEDIOMASTUS AMBISETA
277	6.6	THARYX CF. DORSOBRANCHIALIS
171	4.1	SCOLOPLOS RUBRA
149	3.6	LUMBRINERIS VERRILLI
117	2.8	HAPLOSCOLOPLOS FRAGILIS
107	2.6	HAMINOE SUCCINEA
85	2.0	ERICHONIUS BRASILIENSIS

9-8-83

STATION 7

1355	35.1	STREBLOSPIO BENEDICTI
480	12.4	ARICIDEA TAYLORI
405	10.5	PARAPRIONOSPIO PINNATA
256	6.6	ARICIDEA PHILBINAE
256	6.6	MYSELLA PLANULATA
213	5.5	THARYX CF. DORSOBRANCHIALIS
181	4.7	MEDIOMASTUS AMBISETA
96	2.5	HAPLOSCOLOPLOS FRAGILIS
64	1.7	SCOLOPLOS RUBRA
53	1.4	MULINIA LATERALIS

10-13-83

STATION 7

363	12.6	THARYX CF. DORSOBRANCHIALIS
309	10.8	ARICIDEA TAYLORI
245	8.6	STREBLOSPIO BENEDICTI
203	7.1	PARAPRIONOSPIO PINNATA
181	6.3	SCOLOPLOS RUBRA
160	5.6	ARICIDEA PHILBINAE
149	5.2	MEDIOMASTUS SP.
107	3.7	KINBERGONUPHIS SIMONI
107	3.7	MAGELONA PETTIBONEAE
85	3.0	CREPIDULA SP.

11-23-83

STATION 7

2379	21.1	STREBLOSPIO BENEDICTI
1739	15.4	ARICIDEA PHILBINAE
1333	11.8	MEDIOMASTUS SP.
1301	11.5	SCOLELEPIS TEXANA
565	5.0	ARICIDEA TAYLORI
405	3.6	SCOLOPLOS RUBRA
384	3.4	MOOREONUPHIS NEBULOSA
373	3.3	PARAPRIONOSPIO PINNATA
363	3.2	THARYX CF. DORSOBRANCHIALIS
224	2.0	HAPLOSCOLOPLOS SP.

1-4-84

STATION 7

7168	44.3	STREBLOSPIO BENEDICTI
1429	8.8	HAPLOSCOLOPLOS FOLIOSUS
1312	8.1	MEDIOMASTUS SP.
1045	6.5	PARAPRIONOSPIO PINNATA
907	5.6	KINBERGONUPHIS SIMONI
811	5.0	ARICIDEA PHILBINAE
437	2.7	THARYX CF. DORSOBRANCHIALIS
352	2.2	SCOLELEPIS SQUAMATA
299	1.8	ARICIDEA TAYLORI
213	1.3	CYCLASPIS SP. A

2-23-84

STATION 7

2208	25.8	STREBLOSPIO BENEDICTI
1237	14.5	MEDIOMASTUS AMBISETA
768	9.0	SCOLELEPIS TEXANA
704	8.2	ARICIDEA PHILBINAE
427	5.0	MOOREONUPHIS NEBULOSA
341	4.0	THARYX CF. DORSOBRANCHIALIS
256	3.0	ARICIDEA TAYLORI
235	2.7	HAPLOSCOLOPLOS FOLIOSUS
213	2.5	PHORONIS ARCHITECTA
160	1.9	FABRICIA SP. A

4-16-84

STATION 7

1824	14.6	ARICIDEA PHILBINAE
1472	11.8	STREBLOSPIO BENEDICTI
1067	8.5	MEDIOMASTUS AMBISETA
1035	8.3	SCOLELEPIS TEXANA
853	6.8	THARYX CF. DORSOBRANCHIALIS
811	6.5	KINBERGONUPHIS SIMONI
661	5.3	SPHAEROSYLLIS TAYLORI
629	5.0	ARICIDEA TAYLORI
320	2.6	ETEONE LACTEA
299	2.4	STREPTOSYLLIS PETTIBONEAE

6-6-84

STATION 7

405	11.6	HAPLOSCOLOPLOS FRAGILIS
395	11.3	STREBLOSPIO BENEDICTI
363	10.4	HAPLOSCOLOPLOS FOLIOSUS
288	8.3	PARAPRIONOSPIO PINNATA
267	7.6	ARICIDEA PHILBINAE
181	5.2	MYSELLA PLANULATA
139	4.0	ODOSTOMIA SP.
117	3.4	SPIOCHAETOPTERUS C. OCULATUS
117	3.4	THARYX CF. DORSOBRANCHIALIS
107	3.1	CAPITELLA CAPITATA

7-17-84

STATION 7

800	23.7	STREBLOSPIO BENEDICTI
384	11.4	HAPLOSCOLOPLOS FRAGILIS
288	8.5	ARICIDEA PHILBINAE
192	5.7	PARAPRIONOSPIO PINNATA
181	5.4	THARYX CF. DORSOBRANCHIALIS
171	5.1	ARICIDEA TAYLORI
160	4.7	HOLOTHUROIDEA SP.
149	4.4	MYSELLA PLANULATA
128	3.8	MEDIOMASTUS SP.
117	3.5	TELLINA SP.

6-14-83

STATION 8

363	18.4	STREBLOSPIO BENEDICTI
267	13.5	OGYRIDES ALPHAEROSTRIS
235	11.9	HAPLOSCOLOPLOS FRAGILIS
203	10.3	ARICIDEA PHILBINAE
203	10.3	PARAPRIONOSPIO PINNATA
96	4.9	MEDIOMASTUS AMBISETA
85	4.3	ARICIDEA TAYLORI
85	4.3	CUMELLA SP. A.
53	2.7	SPIOCHAETOPTERUS C. OCULATUS
53	2.7	THARYX CF. DORSOBRANCHIALIS

9-8-83

STATION 8

3573	70.8	STREBLOSPIO BENEDICTI
501	9.9	PARAPRIONOSPIO PINNATA
149	3.0	ARICIDEA TAYLORI
139	2.7	HAPLOSCOLOPLOS FRAGILIS
128	2.5	EULIMASTOMA SP. A
96	1.9	MEDIOMASTUS CALIFORNIENSIS
85	1.7	ARICIDEA PHILBINAE
75	1.5	THARYX CF. DORSOBRANCHIALIS
53	1.1	MINUSPIO CIRRIFERA
32	0.6	CARAZZIELLA HOBSONAE

11-23-83

STATION 8

1184	35.7	PARAPRIONOSPIO PINNATA
768	23.2	STREBLOSPIO BENEDICTI
277	8.4	HAPLOSCOLOPLOS FOLIOSUS
117	3.5	OGYRIDES ALPHAEROSTRIS
107	3.2	CARAZZIELLA HOBSONAE
96	2.9	ARICIDEA TAYLORI
96	2.9	THARYX CF. DORSOBRANCHIALIS
85	2.6	SCOLELEPIS TEXANA
75	2.3	ARICIDEA PHILBINAE
53	1.6	SPIOCHAETOPTERUS C. OCULATUS

2-23-84

STATION 8

3925	33.8	STREBLOSPIO BENEDICTI
3360	28.9	HAPLOSCOLOPLOS FOLIOSUS
1387	11.9	PARAPRIONOSPIO PINNATA
1003	8.6	HAPLOSCOLOPLOS FRAGILIS
480	4.1	ODOSTOMIA SP.
427	3.7	MEDIOMASTUS SP.
117	1.0	ARICIDEA TAYLORI
96	0.8	SCOLELEPIS TEXANA
85	0.7	SPIOCHAETOPTERUS C. OCULATUS
75	0.6	TELLINA SP.

6-6-84

STATION 8

608	17.8	HAPLOSCOLOPLOS FRAGILIS
501	14.6	PARAPRIONOSPIO PINNATA
480	14.0	STREBLOSPIO BENEDICTI
352	10.3	MEDIOMASTUS AMBISETA
235	6.9	HAPLOSCOLOPLOS FOLIOSUS
171	5.0	ARICIDEA PHILBINAE
139	4.0	OGYRIDES ALPHAEROSTRIS
117	3.4	CAPITELLA CAPITATA
107	3.1	THARYX CF. DORSOBRANCHIALIS
85	2.5	AMPELISCA HOLMESI

6-14-83

STATION 9

565	10.1	AMYGDALUM PAPYRIUM
544	9.8	LUMBRINERIS VERRILLI
448	8.0	MEDIOMASTUS AMBISETA
384	6.9	CREPIDULA PLANA
331	5.9	CUMELLA SP. A.
299	5.4	MYRIOCHELE OCULATA
288	5.2	MULINIA LATERALIS
171	3.1	BOGUEA ENIGMATICA
160	2.9	THARYX CF. DORSOBRANCHIALIS
139	2.5	BRACHIDONTES EXUSTUS

7-25-83

STATION 9

1952	24.7	MEDIOMASTUS AMBISETA
1131	14.3	LUMBRINERIS VERRILLI
448	5.7	BRACHIDONTES EXUSTUS
395	5.0	EXOGONE DISPAR
363	4.6	MYRIOCHELE OCULATA
309	3.9	CIRROPHORUS CF. FURCATUS
299	3.8	THARYX CF. DORSOBRANCHIALIS
267	3.4	ARICIDEA TAYLORI
213	2.7	EULALIA SANGUINEA
128	1.6	FABRICIA SP. A

9-8-83

STATION 9

1440	18.8	STREBLOSPIO BENEDICTI
757	9.9	MEDIOMASTUS AMBISETA
651	8.5	LUMBRINERIS VERRILLI
384	5.0	SCOLOPLOS RUBRA
373	4.9	PARACAPRELLA TENUIS
352	4.6	THARYX CF. DORSOBRANCHIALIS
341	4.5	BRACHIDONTES EXUSTUS
331	4.3	PARAPRIONOSPIO PINNATA
256	3.3	AMYGDALUM PAPYRIUM
171	2.2	MYRIOCHELE OCULATA

10-13-83

STATION 9

245	14.3	PARAPRIONOSPIO PINNATA
181	10.6	HAPLOSCOLOPLOS FRAGILIS
117	6.8	STREBLOSPIO BENEDICTI
107	6.2	NEAEROMYA FLORIDANA
107	6.2	ERICHONIUS BRASILIENSIS
96	5.6	MITRELLA LUNATA
75	4.3	MICROPHOLIS GRACILLIMA
64	3.7	ARICIDEA TAYLORI
64	3.7	THARYX CF. DORSOBRANCHIALIS
64	3.7	MEDIOMASTUS SP.

11-23-83

STATION 9

1205	28.0	THARYX CF. DORSOBRANCHIALIS
800	18.6	SPIOCHAETOPTERUS C. OCULATUS
587	13.6	NEAEROMYA FLORIDANA
373	8.7	PARAPRIONOSPIO PINNATA
149	3.5	ARICIDEA TAYLORI
117	2.7	MICROPHOLIS GRACILLIMA
107	2.5	POLYNOID GENUS D
75	1.7	MINUSPIO CIRRIFERA
64	1.5	MYRIOCHELE OCULATA
53	1.2	HAPLOSCOLOPLOS SP.

1-4-84

STATION 9

3093	35.6	HAPLOSCOLOPLOS FOLIOSUS
939	10.8	STREBLOSPIO BENEDICTI
907	10.4	PARAPRIONOSPIO PINNATA
768	8.8	MEDIOMASTUS AMBISETA
661	7.6	THARYX CF. DORSOBRANCHIALIS
480	5.5	SPIOCHAETOPTERUS C. OCULATUS
341	3.9	MYRIOCHELE OCULATA
299	3.4	SCOLELEPIS TEXANA
139	1.6	ARICIDEA TAYLORI
85	1.0	ACTEOCINA CANALICULATA

2-23-84

STATION 9

3477	37.3	HAPLOSCOLOPLOS FOLIOSUS
1099	11.8	STREBLOSPIO BENEDICTI
725	7.8	PARAPRIONOSPIO PINNATA
629	6.8	HAPLOSCOLOPLOS FRAGILIS
427	4.6	ODOSTOMIA SP.
373	4.0	MEDIOMASTUS AMBISETA
267	2.9	CYCLASPIS SP. A
256	2.7	THARYX CF. DORSOBRANCHIALIS
192	2.1	SPIOCHAETOPTERUS C. OCULATUS
192	2.1	MINUSPIO CIRRIFERA

4-16-84

STATION 9

3573	45.5	HAPLOSCOLOPLOS FOLIOSUS
736	9.4	PARAPRIONOSPIO PINNATA
608	7.7	STREBLOSPIO BENEDICTI
480	6.1	MEDIOMASTUS SP.
416	5.3	MEDIOMASTUS AMBISETA
288	3.7	SPIOCHAETOPTERUS C. OCULATUS
277	3.5	SCOLELEPIS TEXANA
181	2.3	CARAZZIELLA HOBSONAE
171	2.2	ACTEOCINA CANALICULATA
160	2.0	ARICIDEA TAYLORI

6-6-84

STATION 9

1877	16.7	THARYX CF. DORSOBRANCHIALIS
715	6.4	MEDIOMASTUS AMBISETA
715	6.4	MEDIOMASTUS SP.
704	6.3	MYRIOCHELE OCULATA
501	4.5	ARICIDEA TAYLORI
427	3.8	HAPLOSCOLOPLOS FOLIOSUS
341	3.0	FABRICIA SP. A
341	3.0	ASCIDIACEA SP.
320	2.8	KINBERGONUPHIS SIMONI
267	2.4	LUMBRINERIS VERRILLI

7-17-84

STATION 9

1077	11.4	MEDIOMASTUS SP.
821	8.7	MEDIOMASTUS AMBISETA
693	7.4	EXOGONE DISPAR
565	6.0	FABRICIA SP. A
555	5.9	BATEA CF. CATHARINENSIS
523	5.5	THARYX CF. DORSOBRANCHIALIS
341	3.6	CAULLERIELLA SP.
256	2.7	MYSELLA PLANULATA
245	2.6	KINBERGONUPHIS SIMONI
203	2.1	EULALIA SANGUINEA

6-14-83

STATION 10

2528	28.9	MYRIOCHELE OCULATA
1877	21.4	THARYX CF. DORSOBRANCHIALIS
565	6.5	LUMBRINERIS VERRILLI
384	4.4	NUCULANA ACUTA
341	3.9	NEAEROMYA FLORIDANA
245	2.8	MULINIA LATERALIS
213	2.4	MEDIOMASTUS AMBISETA
213	2.4	MINUSPIO CIRRIFERA
192	2.2	MYSELLA PLANULATA
171	1.9	TELLINA VERSICOLOR

9-8-83

STATION 10

2560	27.7	NEAEROMYA FLORIDANA
1323	14.3	THARYX CF. DORSOBRANCHIALIS
704	7.6	MYRIOCHELE OCULATA
651	7.0	MINUSPIO CIRRIFERA
555	6.0	MEDIOMASTUS AMBISETA
469	5.1	PARAPRIONOSPIO PINNATA
373	4.0	MICROPHOLIS GRACILLIMA
299	3.2	STREBLOSPIO BENEDICTI
267	2.9	POLYNOID GENUS D
192	2.1	LUMBRINERIS VERRILLI

11-23-83

STATION 10

5995	28.0	MYRIOCHELE OCULATA
3787	17.7	MEDIOMASTUS SP.
1941	9.1	MOOREONUPHIS NEBULOSA
1099	5.1	LUMBRINERIS VERRILLI
736	3.4	PARAPRIONOSPIO PINNATA
704	3.3	AXIOTHELLA MUCOSA
555	2.6	NUCULANA ACUTA
512	2.4	HAPLOSCOLOPLOS SP.
512	2.4	THARYX CF. DORSOBRANCHIALIS
480	2.2	SPIOCHAETOPTERUS C. OCULATUS

2-23-84

STATION 10

2176	24.9	HAPLOSCOLOPLOS FOLIOSUS
1397	16.0	MYRIOCHELE OCULATA
832	9.5	THARYX CF. DORSOBRANCHIALIS
384	4.4	MINUSPIO CIRRIFERA
341	3.9	HAPLOSCOLOPLOS FRAGILIS
341	3.9	NEAEROMYA FLORIDANA
341	3.9	TELLINA SP.
309	3.5	CARAZZIELLA HOBSONAE
267	3.0	SPIOCHAETOPTERUS C. OCULATUS
192	2.2	LUMBRINERIS VERRILLI

6-6-84

STATION 10

1355	15.4	MYRIOCHELE OCULATA
693	7.9	THARYX CF. DORSOBRANCHIALIS
619	7.0	MEDIOMASTUS AMBISETA
331	3.8	LUMBRINERIS VERRILLI
331	3.8	MEDIOMASTUS SP.
299	3.4	POLYCIRRUS SP.
277	3.1	CREPIDULA PLANA
256	2.9	BOGUEA ENIGMATICA
245	2.8	PARAPRIONOSPIO PINNATA
235	2.7	MYSELLA PLANULATA

6-14-83

STATION 11

544	11.8	MEDIOMASTUS AMBISETA
341	7.4	CREPIDULA PLANA
309	6.7	LUMBRINERIS VERRILLI
309	6.7	ABRA AEQUALIS
224	4.9	COROPHIUM LACUSTRE
149	3.2	POLYCIRRUS SP.
149	3.2	GONIADIDES CAROLINAE
139	3.0	APOPRIONOSPIO PYGMAEA
139	3.0	MYRIOCHELE OCULATA
128	2.8	CIRROPHORUS CF. FURCATUS

9-8-83

STATION 11

661	13.9	THARYX CF. DORSOBRANCHIALIS
373	7.9	NEAEROMYA FLORIDANA
288	6.1	MYRIOCHELE OCULATA
224	4.7	ARICIDEA SP. C
203	4.3	CIRROPHORUS CF. FURCATUS
203	4.3	MEDIOMASTUS AMBISETA
192	4.0	LUMBRINERIS VERRILLI
171	3.6	MICROPHOLIS GRACILLIMA
160	3.4	APOPRIONOSPIO PYGMAEA
160	3.4	AMPELISCA HOLMESI

11-23-83

STATION 11

3840	15.8	FABRICIA SP. A
1973	8.1	EXOGONE DISPAR
1600	6.6	MEDIOMASTUS SP.
1195	4.9	SABELLARIA VULGARIS
1109	4.6	GONIADIDES CAROLINAE
960	4.0	MICRODEUTOPUS MYERSI
939	3.9	MYRIOCHELE OCULATA
693	2.9	GRANDIDIERELLA BONNIEROIDES
683	2.8	CAULLERIELLA SP.
661	2.7	LUMBRINERIS VERRILLI

2-23-84

STATION 11

6443	21.2	ERICTHONIUS BRASILIENSIS
5067	16.6	HAPLOSYLLIS SPONGICOLA
2773	9.1	COROPHIUM ACHERUSICUM
1429	4.7	FABRICIA SP. A
1269	4.2	SPIOPHANES BOMBYX
981	3.2	MEDIOMASTUS SP.
683	2.2	AXIOTHELLA MUCOSA
501	1.6	APOPRIONOSPIO PYGMAEA
491	1.6	MYRIOCHELE OCULATA
469	1.5	NUCULANA ACUTA

6-6-84

STATION 11

2144	13.3	SABELLARIA VULGARIS
1195	7.4	ABRA AEQUALIS
1120	7.0	MEDIOMASTUS SP.
1013	6.3	COROPHIUM TUBERCULATUM
971	6.0	MYRIOCHELE OCULATA
469	2.9	CREPIDULA PLANA
437	2.7	APOPRIONOSPIO PYGMAEA
416	2.6	FABRICIA SP. A
395	2.5	EXOGONE DISPAR
384	2.4	MEDIOMASTUS AMBISETA

6-14-83

STATION 12

555	9.9	ABRA AEQUALIS
544	9.7	NUCULANA ACUTA
533	9.5	MUSCULUS LATERALIS
288	5.1	ACTEOCINA CANALICULATA
192	3.4	LYONSIA HYALINA FLORIDANA
192	3.4	SABELLARIA VULGARIS
149	2.7	MEDIOMASTUS AMBISETA
149	2.7	NUCULA PROXIMA
139	2.5	GONIADIDES CAROLINAE
128	2.3	MONOCULODES NYEI

7-25-83

STATION 12

395	15.0	GONIADIDES CAROLINAE
245	9.3	MEDIOMASTUS AMBISETA
181	6.9	LOIMIA MEDUSA
149	5.7	CIRROPHORUS CF. FURCATUS
107	4.0	MYRIOCHELE OCULATA
96	3.6	CAULLERIELLA SP.
85	3.2	THARYX CF. DORSOBRANCHIALIS
85	3.2	AXIOTHELLA MUCOSA
75	2.8	LUMBRINERIS VERRILLI
64	2.4	NUCULANA ACUTA

9-8-83

STATION 12

981	18.6	GONIADIDES CAROLINAE
320	6.1	PAGURIDAE SP.
299	5.7	MYRIOCHELE OCULATA
277	5.3	MEDIOMASTUS SP.
267	5.1	APANTHURA MAGNIFICA
224	4.2	OLIVELLA SP. B
192	3.6	CAULLERIELLA SP.
139	2.6	NEANTHES MICROMMA
107	2.0	CIRROPHORUS CF. FURCATUS
107	2.0	EXOGONE DISPAR

10-13-83

STATION 12

2912	24.3	HAPLOSYLLIS SPONGICOLA
768	6.4	APANTHURA CF. SIGNATA
693	5.8	GONIADIDES CAROLINAE
640	5.3	NEANTHES MICROMMA
469	3.9	CAULLERIELLA SP.
448	3.7	PAGURIDAE SP.
405	3.4	MEDIOMASTUS CALIFORNIENSIS
331	2.8	ARICIDEA CF. CATHERINAE
277	2.3	EXOGONE DISPAR
256	2.1	OLIVELLA SP. B

11-23-83

STATION 12

1291	8.4	CAULLERIELLA SP.
1077	7.0	ABRA AEQUALIS
1013	6.6	MEDIOMASTUS SP.
843	5.5	OLIVELLA SP. B
779	5.1	FABRICIA SP. A
672	4.4	EXOGONE DISPAR
597	3.9	CHONE AMERICANA
565	3.7	PRIONOSPIO CRISTATA
565	3.7	PAGURISTES HUMMI
491	3.2	SPHAEROSYLLIS SPP.

1-4-84

STATION 12

917	7.5	MEDIOMASTUS SP.
853	7.0	PRIONOSPIO CRISTATA
661	5.4	SPIO PETTIBONEAE
640	5.2	GONIADIDES CAROLINAE
480	3.9	CAULLERIELLA SP.
459	3.8	FABRICIA SP. A
437	3.6	ABRA AEQUALIS
405	3.3	THARYX CF. DORSOBRANCHIALIS
405	3.3	ARICIDEA CF. CATHERINAE
395	3.2	EXOGONE DISPAR

2-23-84

STATION 12

3253	18.6	GONIADIDES CAROLINAE
1792	10.2	MEDIOMASTUS AMBISETA
1003	5.7	FABRICIA SP. A
693	4.0	SPIOPHANES BOMBYX
693	4.0	NUCULANA ACUTA
619	3.5	OXYUROSTYLIS SMITHI
576	3.3	CAULLERIELLA SP.
555	3.2	SPIO PETTIBONEAE
555	3.2	AXIOTHELLA MUCOSA
523	3.0	SPHAEROSYLLIS TAYLORI

4-16-84

STATION 12

4832	22.3	MEDIOMASTUS CALIFORNIENSIS
1920	8.9	EXOGONE LOUREI
1152	5.3	SPHAEROSYLLIS PIRIFEROPSIS
779	3.6	PRIONOSPIO CRISTATA
747	3.4	FABRICIA SP. A
725	3.3	NUCULANA ACUTA
683	3.2	SPHAEROSYLLIS TAYLORI
480	2.2	EXOGONE ATLANTICA
469	2.2	BRANIA CLAVATA
373	1.7	EULALIA SANGUINEA

6-6-84

STATION 12

5120	25.7	MYRIOCHELE OCULATA
1600	8.0	CAULLERIELLA SP.
885	4.4	FABRICIA SP. A
864	4.3	ABRA AEQUALIS
821	4.1	GONIADIDES CAROLINAE
768	3.9	MEDIOMASTUS SP.
725	3.6	TIRON TRIOCELLATUS
544	2.7	SABELLARIA VULGARIS
501	2.5	LYONSIA HYALINA FLORIDANA
427	2.1	SPHAEROSYLLIS TAYLORI

7-17-84

STATION 12

3456	49.6	MYRIOCHELE OCULATA
448	6.4	HAPLOSYLLIS SPONGICOLA
267	3.8	OLIVELLA SP. B
181	2.6	GONIADIDES CAROLINAE
160	2.3	DIPLODONTA PUNCTATA
128	1.8	NUCULANA ACUTA
107	1.5	ABRA AEQUALIS
107	1.5	CAULLERIELLA SP.
96	1.4	ACTEOCINA CANALICULATA
85	1.2	FABRICIA SP. A

6-14-83

STATION 13

2571	21.0	AMPELISCA HOLMESI
1835	15.0	FABRICIA SP. A
1184	9.7	ARICIDEA PHILBINAE
896	7.3	ARICIDEA TAYLORI
800	6.5	AMPELISCA ABDITA
501	4.1	CHONE AMERICANA
373	3.0	THARYX CF. DORSOBRANCHIALIS
277	2.3	LACONEREIS CULVERI
277	2.3	MITRELLA LUNATA
235	1.9	STREBLOSPIO BENEDICTI

7-25-83

STATION 13

523	23.0	FABRICIA SP. A
245	10.8	ARICIDEA PHILBINAE
224	9.9	CHONE AMERICANA
213	9.4	AMPELISCA HOLMESI
203	8.9	HAPLOSCOLOPLOS FOLIOSUS
107	4.7	NEANTHES SUCCINEA
85	3.8	THARYX CF. DORSOBRANCHIALIS
85	3.8	ACTEOCINA CANALICULATA
75	3.3	SCOLOPLOS RUBRA
53	2.3	CAPITELLA CAPITATA

9-8-83

STATION 13

1173	24.4	THARYX CF. DORSOBRANCHIALIS
907	18.8	ARICIDEA TAYLORI
789	16.4	ARICIDEA PHILBINAE
523	10.9	STREBLOSPIO BENEDICTI
267	5.5	LACONEREIS CULVERI
235	4.9	XENANTHURA BREVITELSON
117	2.4	MAGELONA PETTIBONEAE
107	2.2	SCOLOPLOS RUBRA
96	2.0	MEDIOMASTUS AMBISETA
85	1.8	HETEROMASTUS FILIFORMIS

10-13-83

STATION 13

256	11.2	GRANDIDIERELLA BONNIEROIDES
245	10.7	ARICIDEA PHILBINAE
224	9.8	STREBLOSPIO BENEDICTI
203	8.9	FABRICIA SP. A
192	8.4	TYPOSYLLIS CF. LUTEA
171	7.5	NEREIDAE SP.
149	6.5	NEANTHES SUCCINEA
107	4.7	AXIOTHELLA MUCOSA
85	3.7	XENANTHURA BREVITELSON
64	2.8	MEDIOMASTUS SP.

11-23-83

STATION 13

811	15.6	STREBLOSPIO BENEDICTI
597	11.5	POLYDORA WEBSTERI
469	9.1	ARICIDEA PHILBINAE
384	7.4	LACONEREIS CULVERI
373	7.2	GRANDIDIERELLA BONNIEROIDES
309	6.0	AMPELISCA HOLMESI
192	3.7	FABRICIA SP. A
171	3.3	THARYX CF. DORSOBRANCHIALIS
160	3.1	XENANTHURA BREVITELSON
139	2.7	ARICIDEA TAYLORI

1-4-84

STATION 13

2965	25.8	STREBLOSPIO BENEDICTI
2251	19.6	FABRICIA SP. A
1131	9.8	ARICIDEA PHILBINAE
693	6.0	POLYDORA WEBSTERI
512	4.5	AMPELISCA HOLMESI
405	3.5	ACTEOCINA CANALICULATA
395	3.4	GRANDIDIERELLA BONNIEROIDES
363	3.2	HAPLOSCOLOPLOS FOLIOSUS
352	3.1	THARYX CF. DORSOBRANCHIALIS
309	2.7	AXIOTHELLA MUCOSA

2-23-84

STATION 13

2923	16.6	ARICIDEA PHILBINAE
2144	12.2	FABRICIA SP. A
1280	7.3	STREBLOSPIO BENEDICTI
1205	6.8	BRANIA CLAVATA
1131	6.4	BOCCARDIELLA HAMATA
992	5.6	THARYX CF. DORSOBRANCHIALIS
896	5.1	POLYDORA WEBSTERI
672	3.8	SPHAEROSYLLIS TAYLORI
576	3.3	NAINERIS SP.
523	3.0	FILOGRANA IMPLEXA

4-16-84

STATION 13

24011	42.0	FABRICIA SP. A
4459	7.8	CHONE AMERICANA
3851	6.7	ARICIDEA PHILBINAE
3424	6.0	POLYDORA SOCIALIS
2549	4.5	AMPELISCA HOLMESI
2432	4.2	AXIOTHELLA MUCOSA
1867	3.3	HAPLOSCOLOPLOS FOLIOSUS
1792	3.1	CYMADUSA COMPTA
1707	3.0	THARYX CF. DORSOBRANCHIALIS
1675	2.9	GRANDIDIERELLA BONNIEROIDES

6-6-84

STATION 13

4853	26.1	POLYDORA WEBSTERI
2827	15.2	MELITA ELONGATA
2144	11.5	STREBLOSPIO BENEDICTI
2005	10.8	FABRICIA SP. A
1440	7.7	THARYX CF. DORSOBRANCHIALIS
981	5.3	NEANTHES SUCCINEA
725	3.9	BRANIA CLAVATA
576	3.1	XANTHIDAE SP.
459	2.5	EURYPANOPEUS DEPRESSUS
395	2.1	HAPLOSCOLOPLOS FOLIOSUS

7-17-84

STATION 13

3264	22.4	FABRICIA SP. A
1653	11.4	THARYX CF. DORSOBRANCHIALIS
1045	7.2	TYPOSYLLIS CF. LUTEA
971	6.7	BOCCARDIELLA HAMATA
864	5.9	CAECUM PULCHELLUM
789	5.4	AXIOTHELLA MUCOSA
715	4.9	AMPELISCA HOLMESI
533	3.7	ARICIDEA PHILBINAE
533	3.7	ACTEOCINA CANALICULATA
331	2.3	HAPLOSCOLOPLOS FOLIOSUS

6-14-83

STATION 14

1792	30.9	THARYX CF. DORSOBRANCHIALIS
992	17.1	ARICIDEA PHILBINAE
416	7.2	ARICIDEA TAYLORI
416	7.2	LUMBRINERIS VERRILLI
320	5.5	MEDIOMASTUS AMBISETA
171	2.9	AMPELISCA HOLMESI
149	2.6	STREBLOSPIO BENEDICTI
149	2.6	ACITON PUNCTOSTRIATUS
149	2.6	ODOSTOMIA BISUTURALIS
107	1.8	SCOLOPLOS RUBRA

9-8-83

STATION 14

587	27.4	THARYX CF. DORSOBRANCHIALIS
352	16.4	STREBLOSPIO BENEDICTI
235	10.9	ARICIDEA TAYLORI
224	10.4	ARICIDEA PHILBINAE
192	9.0	MEDIOMASTUS SP.
117	5.5	AMYGDALUM PAPYRIUM
107	5.0	SCOLOPLOS RUBRA
96	4.5	SOLARIORBIS SHIMERI
32	1.5	LUMBRINERIS VERRILLI
32	1.5	PRIONOSPIO HETEROBRANCHIA

11-23-83

STATION 14

1771	33.3	STREBLOSPIO BENEDICTI
640	12.0	ARICIDEA PHILBINAE
491	9.2	MEDIOMASTUS CALIFORNIENSIS
373	7.0	SCOLELEPIS TEXANA
341	6.4	HAPLOSCOLOPLOS FRAGILIS
341	6.4	THARYX CF. DORSOBRANCHIALIS
309	5.8	PARAPRIONOSPIO PINNATA
139	2.6	ARICIDEA TAYLORI
85	1.6	CUMELLA SP. A.
64	1.2	ACTEOCINA CANALICULATA

2-23-84

STATION 14

5365	45.1	STREBLOSPIO BENEDICTI
1792	15.1	THARYX CF. DORSOBRANCHIALIS
587	4.9	ARICIDEA PHILBINAE
565	4.7	HAPLOSCOLOPLOS FOLIOSUS
480	4.0	SCOLELEPIS TEXANA
373	3.1	ACTEOCINA CANALICULATA
373	3.1	MEDIOMASTUS SP.
256	2.2	ARICIDEA TAYLORI
245	2.1	CHONE AMERICANA
235	2.0	PARAPRIONOSPIO PINNATA

6-6-84

STATION 14

4085	26.9	FABRICIA SP. A
3648	24.0	THARYX CF. DORSOBRANCHIALIS
971	6.4	CHONE AMERICANA
885	5.8	ARICIDEA PHILBINAE
405	2.7	STREBLOSPIO BENEDICTI
384	2.5	ACTEOCINA CANALICULATA
363	2.4	CAPITELLA CAPITATA
331	2.2	ARICIDEA TAYLORI
320	2.1	MALDANIDAE
267	1.8	GRANDIDIERELLA BONNIEROIDES

6-14-83

STATION 15

512	11.9	LUMBRINERIS VERRILLI
480	11.2	ARICIDEA TAYLORI
224	5.2	MEDIOMASTUS AMBISETA
213	5.0	THARYX CF. DORSOBRANCHIALIS
181	4.2	MYRIOCHELE OCULATA
149	3.5	FABRICIA SP. A
139	3.2	CHLERSIA CORNUTA
128	3.0	PARAPRIONOSPIO PINNATA
128	3.0	BOGUEA ENIGMATICA
117	2.7	AMYGDALUM PAPYRIUM

7-25-83

STATION 15

576	20.0	STREBLOSPIO BENEDICTI
480	16.7	MEDIOMASTUS AMBISETA
363	12.6	THARYX CF. DORSOBRANCHIALIS
341	11.9	ARICIDEA TAYLORI
160	5.6	HAPLOSCOLOPLOS FRAGILIS
139	4.8	OGYRIDES ALPHAEROSTRIS
117	4.1	HAPLOSCOLOPLOS FOLIOSUS
117	4.1	PARAPRIONOSPIO PINNATA
85	3.0	LUMBRINERIS VERRILLI
85	3.0	MYRIOCHELE OCULATA

9-8-83

STATION 15

5088	48.2	STREBLOSPIO BENEDICTI
1237	11.7	ARICIDEA TAYLORI
960	9.1	ARICIDEA PHILBINAE
576	5.5	THARYX CF. DORSOBRANCHIALIS
256	2.4	CIRROPHORUS CF. FURCATUS
203	1.9	HIPPOLYTE PLEURACANTHA
192	1.8	MEDIOMASTUS AMBISETA
192	1.8	BATIA CF. CATHARINENSIS
139	1.3	KINBERGONUPHIS SIMONI
128	1.2	MAGELONA PETTIBONEAE

10-13-83

STATION 15

544	11.9	STREBLOSPIO BENEDICTI
512	11.2	THARYX CF. DORSOBRANCHIALIS
480	10.5	HAPLOSCOLOPLOS FRAGILIS
395	8.6	ARICIDEA TAYLORI
331	7.2	HAPLOSCOLOPLOS FOLIOSUS
245	5.3	PARAPRIONOSPIO PINNATA
171	3.7	MYSELLA PLANULATA
160	3.5	SPIOCHAETOPTERUS C. OCULATUS
149	3.3	ODOSTOMIA SP.
128	2.8	HAPLOSCOLOPLOS SP.

11-23-83

STATION 15

3531	29.0	STREBLOSPIO BENEDICTI
2923	24.0	ARICIDEA TAYLORI
789	6.5	THARYX CF. DORSOBRANCHIALIS
768	6.3	CIRROPHORUS CF. FURCATUS
640	5.3	ARICIDEA PHILBINAE
416	3.4	MEDIOMASTUS SP.
395	3.2	PARAPRIONOSPIO PINNATA
352	2.9	SCOLELEPIS TEXANA
213	1.8	KINBERGONUPHIS SIMONI
181	1.5	MAGELONA PETTIBONEAE

1-4-84

STATION 15

7733	51.2	STREBLOSPIO BENEDICTI
1856	12.3	PARAPRIONOSPIO PINNATA
1771	11.7	HAPLOSCOLOPLOS FOLIOSUS
843	5.6	MEDIOMASTUS SP.
352	2.3	ARICIDEA TAYLORI
341	2.3	THARYX CF. DORSOBRANCHIALIS
320	2.1	SCOLELEPIS TEXANA
160	1.1	SPIOCHAETOPTERUS C. OCULATUS
139	0.9	MEDIOMASTUS AMBISETA
117	0.8	CYCLASPIS SP. A

2-23-84

STATION 15

8459	46.3	STREBLOSPIO BENEDICTI
1632	8.9	DIASTOMA VARIUM
1408	7.7	CYMADUSA COMPTA
971	5.3	ERICHTHONIUS BRASILIENSIS
608	3.3	CAECUM PULCHELLUM
480	2.6	MYSELLA PLANULATA
405	2.2	BRACHIDONTES EXUSTUS
309	1.7	MITRELLA LUNATA
235	1.3	COROPHIUM LACUSTRE
213	1.2	MEDIOMASTUS AMBISETA

4-16-84

STATION 15

1259	17.1	STREBLOSPIO BENEDICTI
1163	15.8	HAPLOSCOLOPLOS FOLIOSUS
1099	14.9	HAPLOSCOLOPLOS FRAGILIS
512	7.0	ARICIDEA TAYLORI
459	6.2	THARYX CF. DORSOBRANCHIALIS
448	6.1	MEDIOMASTUS AMBISETA
416	5.7	PARAPRIONOSPIO PINNATA
213	2.9	CYCLASPIS SP. A
160	2.2	MOLGULIDAE SP.
139	1.9	ACTEON PUNCTOSTRIATUS

6-6-84

STATION 15

821	19.1	THARYX CF. DORSOBRANCHIALIS
811	18.9	PARAPRIONOSPIO PINNATA
512	11.9	STREBLOSPIO BENEDICTI
427	9.9	ARICIDEA TAYLORI
224	5.2	ARICIDEA PHILBINAE
213	5.0	CREPIDULA MACULOSA
203	4.7	CREPIDULA PLANA
139	3.2	MEDIOMASTUS SP.
64	1.5	TURBONILLA DALLI
53	1.2	PHORONIS ARCHITECTA

7-17-84

STATION 15

512	19.3	POLYDORA WEBSTERI
427	16.1	HAPLOSCOLOPLOS FRAGILIS
405	15.3	ARICIDEA TAYLORI
288	10.8	PARAPRIONOSPIO PINNATA
203	7.6	THARYX CF. DORSOBRANCHIALIS
181	6.8	STREBLOSPIO BENEDICTI
96	3.6	MEDIOMASTUS CALIFORNIENSIS
85	3.2	STYLOCHUS SP.
53	2.0	ODOSTOMIA SP.
43	1.6	OGYRIDES ALPHAEROSTRIS

6-14-83

STATION 16

373	9.2	LUMBRINERIS VERRILLI
288	7.1	MYRIOCHELE OCULATA
267	6.5	MITRELLA LUNATA
256	6.3	MEDIOMASTUS AMBISETA
203	5.0	AMYGDALUM PAPYRIUM
171	4.2	ARICIDEA PHILBINAE
160	3.9	POLYCIRRUS SP.
139	3.4	BATEA CF. CATHARINENSIS
128	3.1	FABRICIA SP. A
128	3.1	CUMELLA SP. A.

9-8-83

STATION 16

672	16.3	MYRIOCHELE OCULATA
555	13.4	MEDIOMASTUS AMBISETA
437	10.6	STREBLOSPIO BENEDICTI
320	7.8	LUMBRINERIS VERRILLI
267	6.5	PARAPRIONOSPIO PINNATA
213	5.2	ACTEOCINA CANALICULATA
117	2.8	LYONSIA HYALINA FLORIDANA
107	2.6	ARICIDEA PHILBINAE
107	2.6	NUCULANA ACUTA
96	2.3	THARYX CF. DORSOBRANCHIALIS

11-23-83

STATION 16

4683	14.4	MEDIOMASTUS SP.
2933	9.0	FABRICIA SP. A
2432	7.5	SCOLELEPIS TEXANA
1803	5.6	PARACAPRELLA TENUIS
1621	5.0	KINBERGONUPHIS SIMONI
1515	4.7	LUMBRINERIS VERRILLI
1440	4.4	ARICIDEA PHILBINAE
1387	4.3	MYRIOCHELE OCULATA
1333	4.1	PARAPRIONOSPIO PINNATA
779	2.4	EXOGONE DISPAR

2-23-84

STATION 16

1749	16.8	MEDIOMASTUS AMBISETA
1131	10.8	SCOLELEPIS TEXANA
736	7.1	ARICIDEA PHILBINAE
512	4.9	MYRIOCHELE OCULATA
416	4.0	HAPLOSCOLOPLOS FOLIOSUS
405	3.9	FABRICIA SP. A
395	3.8	ARICIDEA TAYLORI
384	3.7	CLYMENELLA TORQUATA
373	3.6	SPIOPHANES BOMBYX
363	3.5	THARYX CF. DORSOBRANCHIALIS

6-6-84

STATION 16

1323	11.8	THARYX CF. DORSOBRANCHIALIS
896	8.0	MEDIOMASTUS SP.
864	7.7	ARICIDEA PHILBINAE
544	4.9	AMPELISCA HOLMESI
448	4.0	ARICIDEA TAYLORI
437	3.9	LUMBRINERIS VERRILLI
416	3.7	MYRIOCHELE OCULATA
384	3.4	OXYUROSTYLIS SMITHI
341	3.1	FABRICIA SP. A
235	2.1	CIRROPHORUS CF. FURCATUS

6-14-83

STATION 17

3893	22.5	ARICIDEA PHILBINAE
2699	15.6	ARICIDEA TAYLORI
2080	12.0	FABRICIA SP. A
1696	9.8	LAEONEREIS CULVERI
1643	9.5	THARYX CF. DORSOBRANCHIALIS
1205	7.0	CHONE AMERICANA
757	4.4	HETEROMASTUS FILIFORMIS
501	2.9	AMPHICTEIS GUNNERI
501	2.9	HAPLOSCOLOPLOS FRAGILIS
373	2.2	CAPITELLA CAPITATA

7-25-83

STATION 17

4341	30.4	THARYX CF. DORSOBRANCHIALIS
4288	30.0	ARICIDEA PHILBINAE
3584	25.1	ARICIDEA TAYLORI
480	3.4	XENANTHURA BREVITELSON
427	3.0	CAPITELLA CAPITATA
235	1.6	HETEROMASTUS FILIFORMIS
224	1.6	NEANTHES SUCCINEA
85	0.6	ACTEOCINA CANALICULATA
64	0.4	MEDIOMASTUS AMBISETA
64	0.4	CHONE AMERICANA

9-8-83

STATION 17

3488	44.2	ARICIDEA TAYLORI
1493	18.9	ARICIDEA PHILBINAE
1013	12.9	LAEONEREIS CULVERI
544	6.9	THARYX CF. DORSOBRANCHIALIS
491	6.2	STREBLOSPIO BENEDICTI
320	4.1	HETEROMASTUS FILIFORMIS
213	2.7	XENANTHURA BREVITELSON
128	1.6	CAPITELLA CAPITATA
43	0.5	CAECUM PULCHELLUM
32	0.4	SAYELLA HEMPHILLI

10-13-83

STATION 17

2144	23.4	ARICIDEA PHILBINAE
2080	22.7	ARICIDEA TAYLORI
1749	19.1	STREBLOSPIO BENEDICTI
1152	12.6	LAEONEREIS CULVERI
843	9.2	NEREIDAE SP.
395	4.3	CAPITELLA CAPITATA
213	2.3	THARYX CF. DORSOBRANCHIALIS
192	2.1	HETEROMASTUS FILIFORMIS
64	0.7	CYMADUSA COMPTA
64	0.7	XENANTHURA BREVITELSON

11-23-83

STATION 17

1163	18.9	MEDIOMASTUS CALIFORNIENSIS
1013	16.5	ARICIDEA PHILBINAE
757	12.3	STREBLOSPIO BENEDICTI
597	9.7	NEANTHES SUCCINEA
523	8.5	THARYX CF. DORSOBRANCHIALIS
469	7.6	XENANTHURA BREVITELSON
213	3.5	POLYDORA WEBSTERI
203	3.3	TYPOSYLLIS CF. LUTEA
181	3.0	HAPLOSCOLOPLOS FRAGILIS
149	2.4	CAPITELLA CAPITATA

1-4-84

STATION 17

10571	57.8	ARICIDEA PHILBINAE
1397	7.6	STREBLOSPIO BENEDICTI
1344	7.3	ARICIDEA TAYLORI
1173	6.4	LAEONEREIS CULVERI
651	3.6	HAPLOSCOLOPLOS FOLIOSUS
555	3.0	MEDIOMASTUS CALIFORNIENSIS
469	2.6	XENANTHURA BREVITELSON
437	2.4	SCOLELEPIS TEXANA
373	2.0	ACTEOCINA CANALICULATA
277	1.5	CAPITELLA CAPITATA

2-23-84

STATION 17

8085	46.5	ARICIDEA PHILBINAE
1664	9.6	HAPLOSCOLOPLOS FOLIOSUS
1120	6.4	STREBLOSPIO BENEDICTI
1013	5.8	MEDIOMASTUS SP.
992	5.7	ARICIDEA TAYLORI
885	5.1	LAEONEREIS CULVERI
683	3.9	HETEROMASTUS FILIFORMIS
597	3.4	THARYX CF. DORSOBRANCHIALIS
320	1.8	ACTEOCINA CANALICULATA
256	1.5	XENANTHURA BREVITELSON

4-16-84

STATION 17

16501	49.6	ARICIDEA PHILBINAE
3723	11.2	HETEROMASTUS FILIFORMIS
2304	6.9	LAEONEREIS CULVERI
2176	6.5	THARYX CF. DORSOBRANCHIALIS
1728	5.2	ARICIDEA TAYLORI
1707	5.1	HAPLOSCOLOPLOS FOLIOSUS
1099	3.3	XENANTHURA BREVITELSON
821	2.5	CAPITELLA CAPITATA
779	2.3	STREBLOSPIO BENEDICTI
299	0.9	CHONE AMERICANA

6-6-84

STATION 17

3797	22.3	ARICIDEA PHILBINAE
3424	20.1	THARYX CF. DORSOBRANCHIALIS
1792	10.5	ARICIDEA TAYLORI
1707	10.0	XENANTHURA BREVITELSON
821	4.8	LAEONEREIS CULVERI
779	4.6	HETEROMASTUS FILIFORMIS
747	4.4	ACTEOCINA CANALICULATA
544	3.2	HAPLOSCOLOPLOS FOLIOSUS
491	2.9	MEDIOMASTUS SP.
416	2.4	AMPELISCA HOLMESI

7-17-84

STATION 17

2987	25.9	THARYX CF. DORSOBRANCHIALIS
1845	16.0	ARICIDEA PHILBINAE
1792	15.6	ARICIDEA TAYLORI
1099	9.5	LAEONEREIS CULVERI
533	4.6	XENANTHURA BREVITELSON
459	4.0	ACTEOCINA CANALICULATA
416	3.6	HETEROMASTUS FILIFORMIS
405	3.5	FABRICIA SP. A
384	3.3	CAECUM PULCHELLUM
267	2.3	MEDIOMASTUS SP.

6-14-83

STATION 18

843	29.8	ARICIDEA PHILBINAE
352	12.5	CHONE AMERICANA
288	10.2	LUMBRINERIS LATRELLI
213	7.5	STREBLOSPIO BENEDICTI
181	6.4	ARICIDEA TAYLORI
160	5.7	LAEONEREIS CULVERI
107	3.8	MEDIOMASTUS CALIFORNIENSIS
75	2.6	CAPITELLA CAPITATA
43	1.5	CIRROPHORUS CF. FURCATUS
43	1.5	HAPLOSCOLOPLOS FOLIOSUS

7-25-83

STATION 18

757	27.7	ARICIDEA PHILBINAE
448	16.4	LUMBRINERIS VERRILLI
395	14.5	ARICIDEA TAYLORI
213	7.8	MEDIOMASTUS AMBISETA
128	4.7	CAPITELLA CAPITATA
96	3.5	PRIONOSPIO HETEROBRANCHIA
75	2.7	LAEONEREIS CULVERI
75	2.7	MEDIOMASTUS CALIFORNIENSIS
64	2.3	STREBLOSPIO BENEDICTI
53	2.0	ACTEOCINA CANALICULATA

9-8-83

STATION 18

3776	64.7	STREBLOSPIO BENEDICTI
832	14.3	LAEONEREIS CULVERI
821	14.1	ARICIDEA TAYLORI
117	2.0	ARICIDEA PHILBINAE
96	1.6	CAPITELLA CAPITATA
43	0.7	CIRROPHORUS CF. FURCATUS
43	0.7	HAPLOSCOLOPLOS FOLIOSUS
43	0.7	THARYX CF. DORSOBRANCHIALIS
21	0.4	HETEROMASTUS FILIFORMIS
11	0.2	PARAPRIONOSPIO PINNATA

10-13-83

STATION 18

1973	42.7	STREBLOSPIO BENEDICTI
1141	24.7	LAEONEREIS CULVERI
437	9.5	ARICIDEA TAYLORI
277	6.0	NEREIDAE SP.
224	4.8	ACTEOCINA CANALICULATA
117	2.5	HAMINOE SUCCINEA
85	1.8	CAPITELLA CAPITATA
53	1.2	SCOLELEPIS TEXANA
43	0.9	ARICIDEA PHILBINAE
43	0.9	CIRROPHORUS CF. FURCATUS

11-23-83

STATION 18

3029	32.5	STREBLOSPIO BENEDICTI
1547	16.6	ACTEOCINA CANALICULATA
1013	10.9	MEDIOMASTUS SP.
736	7.9	LAEONEREIS CULVERI
491	5.3	HAMINOE SUCCINEA
352	3.8	SCOLELEPIS TEXANA
341	3.7	HAPLOSCOLOPLOS FOLIOSUS
299	3.2	PARAPRIONOSPIO PINNATA
267	2.9	LUMBRINERIS VERRILLI
203	2.2	GRANDIDIERELLA BONNIEROIDES

1-4-84

STATION 18

7509	66.0	STREBLOSPIO BENEDICTI
1141	10.0	MEDIOMASTUS AMBISETA
651	5.7	ACTEOCINA CANALICULATA
629	5.5	GRANDIDIERELLA BONNIEROIDES
288	2.5	CAPITELLA CAPITATA
203	1.8	SPHAEROSYLLIS TAYLORI
128	1.1	LUMBRINERIS VERRILLI
107	0.9	ARICIDEA PHILBINAE
96	0.8	POLYDORA SOCIALIS
75	0.7	CHONE AMERICANA

2-23-84

STATION 18

4032	29.1	STREBLOSPIO BENEDICTI
1664	12.0	HAPLOSCOLOPLOS FOLIOSUS
1515	10.9	SPHAEROSYLLIS TAYLORI
1301	9.4	ACTEOCINA CANALICULATA
1237	8.9	GRANDIDIERELLA BONNIEROIDES
821	5.9	MEDIOMASTUS SP.
395	2.8	ARICIDEA PHILBINAE
384	2.8	CAPITELLA CAPITATA
288	2.1	THARYX CF. DORSOBRANCHIALIS
213	1.5	LUMBRINERIS VERRILLI

4-16-84

STATION 18

2123	31.4	HAPLOSCOLOPLOS FOLIOSUS
1323	19.6	STREBLOSPIO BENEDICTI
469	7.0	ACTEOCINA CANALICULATA
448	6.6	MEDIOMASTUS SP.
320	4.7	CHONE AMERICANA
267	3.9	ARICIDEA PHILBINAE
213	3.2	CAPITELLA CAPITATA
181	2.7	THARYX CF. DORSOBRANCHIALIS
171	2.5	TYPOSYLLIS CF. LUTEA
160	2.4	SCOLELEPIS TEXANA

6-6-84

STATION 18

629	13.1	HAPLOSCOLOPLOS FRAGILIS
427	8.9	ACTEOCINA CANALICULATA
309	6.4	MEDIOMASTUS AMBISETA
299	6.2	HAPLOSCOLOPLOS FOLIOSUS
267	5.6	THARYX CF. DORSOBRANCHIALIS
256	5.3	ARICIDEA PHILBINAE
256	5.3	LUMBRINERIS VERRILLI
245	5.1	AMPELISCA HOLMESI
235	4.9	STREBLOSPIO BENEDICTI
192	4.0	CHONE AMERICANA

7-17-84

STATION 18

992	22.6	STREBLOSPIO BENEDICTI
373	8.5	ARICIDEA TAYLORI
373	8.5	HAMINOE SUCCINEA
363	8.3	MEDIOMASTUS AMBISETA
341	7.8	HAPLOSCOLOPLOS FRAGILIS
320	7.3	THARYX CF. DORSOBRANCHIALIS
267	6.1	LUMBRINERIS VERRILLI
192	4.4	ACTEOCINA CANALICULATA
181	4.1	ARICIDEA PHILBINAE
96	2.2	ODOSTOMIA BISUTURALIS

6-14-83

STATION 19

2485	26.4	ARICIDEA PHILBINAE
1163	12.3	ARICIDEA TAYLORI
907	9.6	GRANDIDIERELLA BONNIEROIDES
875	9.3	CHONE AMERICANA
864	9.2	EHLERSIA CORNUTA
629	6.7	MELITA LONGISETOSA
363	3.8	LUMBRINERIS VERRILLI
299	3.2	MEDIOMASTUS AMBISETA
203	2.1	MELITA SP.
181	1.9	MELITA ELONGATA

9-8-83

STATION 19

2432	40.1	TYPOSYLLIS CF. LUTEA
971	16.0	CAECUM PULCHELLUM
544	9.0	THARYX CF. DORSOBRANCHIALIS
320	5.3	EURYPANOPEUS DEPRESSUS
267	4.4	POLYDORA WEBSTERI
235	3.9	ARICIDEA PHILBINAE
235	3.9	ARICIDEA TAYLORI
224	3.7	CIRROPHORUS CF. FURCATUS
213	3.5	SCOLOPLOS RUBRA
160	2.6	MEDIOMASTUS AMBISETA

11-23-83

STATION 19

3392	22.8	GRANDIDIERELLA BONNIEROIDES
2315	15.6	TYPOSYLLIS CF. LUTEA
1643	11.1	BOCCARDIELLA HAMATA
949	6.4	POLYDORA WEBSTERI
640	4.3	MEDIOMASTUS CALIFORNIENSIS
576	3.9	SIREBLOSPIO BENEDICTI
576	3.9	OPISTHOSYLLIS SP. B
565	3.8	COROPHIUM ACHERUSICUM
405	2.7	ARICIDEA TAYLORI
405	2.7	PRIONOSPIO HETEROBRANCHIA

2-23-84

STATION 19

1589	13.5	BOCCARDIELLA HAMATA
1472	12.5	THARYX CF. DORSOBRANCHIALIS
1013	8.6	GRANDIDIERELLA BONNIEROIDES
960	8.2	TYPOSYLLIS CF. LUTEA
800	6.8	POLYDORA WEBSTERI
693	5.9	SPHAEROSYLLIS TAYLORI
661	5.6	ACTEOCINA CANALICULATA
373	3.2	MEDIOMASTUS AMBISETA
373	3.2	COROPHIUM ACHERUSICUM
352	3.0	CAECUM PULCHELLUM

6-6-84

STATION 19

5739	28.2	FILOGRANA IMPLEXA
3851	19.0	CAECUM PULCHELLUM
1387	6.8	BOCCARDIELLA HAMATA
1195	5.9	TYPOSYLLIS CF. LUTEA
917	4.5	THARYX CF. DORSOBRANCHIALIS
821	4.0	GRANDIDIERELLA BONNIEROIDES
597	2.9	POLYDORA WEBSTERI
587	2.9	MYSELLA PLANULATA
448	2.2	TYPOSYLLIS PROLIFERA
416	2.0	MELITA ELONGATA

6-14-83

STATION 20

2347	43.2	ARICIDEA TAYLORI
981	18.1	LUMBRINERIS VERRILLI
416	7.7	ARICIDEA PHILBINAE
277	5.1	OGYRIDES ALPHAEROSTRIS
171	3.1	SCOLOPLOS RUBRA
139	2.6	MYRIOCHELE OCULATA
117	2.2	MEDIOMASTUS AMBISETA
96	1.8	STREBLOSPIO BENEDICTI
64	1.2	FABRICIA SP. A
64	1.2	THARYX CF. DORSOBRANCHIALIS

7-25-83

STATION 20

2261	34.0	ARICIDEA TAYLORI
1355	20.4	STREBLOSPIO BENEDICTI
1077	16.2	LUMBRINERIS VERRILLI
693	10.4	ARICIDEA PHILBINAE
224	3.4	MEDIOMASTUS AMBISETA
224	3.4	PARAPRIONOSPIO PINNATA
160	2.4	PRIONOSPIO HETEROBRANCHIA
107	1.6	THARYX CF. DORSOBRANCHIALIS
96	1.4	SCOLOPLOS RUBRA
64	1.0	OGYRIDES ALPHAEROSTRIS

9-8-83

STATION 20

2219	22.1	ARICIDEA TAYLORI
1237	12.3	THARYX CF. DORSOBRANCHIALIS
907	9.0	ACTEOCINA CANALICULATA
757	7.5	CHONE AMERICANA
629	6.3	LUMBRINERIS VERRILLI
565	5.6	HAPLOSCOLOPLOS FRAGILIS
565	5.6	MEDIOMASTUS SP.
459	4.6	HAPLOSCOLOPLOS FOLIOSUS
203	2.0	AMPELISCA HOLMESI
192	1.9	SCOLELEPIS TEXANA

10-13-83

STATION 20

2432	46.3	STREBLOSPIO BENEDICTI
704	13.4	PARAPRIONOSPIO PINNATA
448	8.5	MEDIOMASTUS SP.
395	7.5	LUMBRINERIS VERRILLI
235	4.5	ARICIDEA TAYLORI
171	3.3	THARYX CF. DORSOBRANCHIALIS
160	3.0	POLYDORA WEBSTERI
107	2.0	ACTEOCINA CANALICULATA
75	1.4	SCOLOPLOS RUBRA
53	1.0	SABELLARIA VULGARIS

11-23-83

STATION 20

1045	15.0	ARICIDEA TAYLORI
939	13.5	MEDIOMASTUS CALIFORNIENSIS
928	13.3	PARAPRIONOSPIO PINNATA
885	12.7	LUMBRINERIS VERRILLI
832	12.0	ACTEOCINA CANALICULATA
736	10.6	STREBLOSPIO BENEDICTI
213	3.1	HAPLOSCOLOPLOS FRAGILIS
213	3.1	SCOLOPLOS RUBRA
192	2.8	SCOLELEPIS TEXANA
128	1.8	THARYX CF. DORSOBRANCHIALIS

1-4-84

STATION 20

3061	19.7	STREBLOSPIO BENEDICTI
2720	17.5	ACTEOCINA CANALICULATA
2336	15.0	ARICIDEA TAYLORI
1013	6.5	MEDIOMASTUS SP.
907	5.8	SPHAEROSYLLIS TAYLORI
896	5.8	LUMBRINERIS VERRILLI
768	4.9	HAPLOSCOLOPLOS FOLIOSUS
704	4.5	SCOLELEPIS TEXANA
651	4.2	PARAPRIONOSPIO PINNATA
437	2.8	SCOLOPLOS RUBRA

2-23-84

STATION 20

4245	24.7	THARYX CF. DORSOBRANCHIALIS
2421	14.1	ACTEOCINA CANALICULATA
2155	12.5	SPHAEROSYLLIS TAYLORI
1952	11.4	MEDIOMASTUS AMBISETA
1333	7.8	STREBLOSPIO BENEDICTI
640	3.7	LUMBRINERIS VERRILLI
480	2.8	HAPLOSCOLOPLOS FOLIOSUS
459	2.7	PARACAPRELLA TENUIS
363	2.1	ARICIDEA TAYLORI
331	1.9	CHONE AMERICANA

4-16-84

STATION 20

6133	56.9	STREBLOSPIO BENEDICTI
3296	30.6	ARICIDEA TAYLORI
341	3.2	ACTEOCINA CANALICULATA
267	2.5	LUMBRINERIS VERRILLI
213	2.0	PARAPRIONOSPIO PINNATA
160	1.5	ARICIDEA PHILBINAE
85	0.8	THARYX CF. DORSOBRANCHIALIS
53	0.5	AMYGDALUM PAPYRIUM
43	0.4	SCOLOPLOS RUBRA
43	0.4	HOLOTHUROIDEA SP. A

6-6-84

STATION 20

2677	27.1	ARICIDEA TAYLORI
2336	23.6	THARYX CF. DORSOBRANCHIALIS
960	9.7	HAPLOSCOLOPLOS FRAGILIS
619	6.3	LUMBRINERIS VERRILLI
523	5.3	HAPLOSCOLOPLOS FOLIOSUS
299	3.0	MEDIOMASTUS AMBISETA
256	2.6	SCOLOPLOS RUBRA
245	2.5	AMPELISCA HOLMESI
224	2.3	ARICIDEA PHILBINAE
181	1.8	CYCLASPIS SP. A

7-17-84

STATION 20

3061	33.2	ARICIDEA TAYLORI
1963	21.3	THARYX CF. DORSOBRANCHIALIS
1323	14.4	STREBLOSPIO BENEDICTI
555	6.0	LUMBRINERIS VERRILLI
491	5.3	HAPLOSCOLOPLOS FRAGILIS
256	2.8	ODOSTOMIA BISUTURALIS
149	1.6	SCOLOPLOS RUBRA
117	1.3	ACTEOCINA CANALICULATA
117	1.3	HOLOTHUROIDEA SP.
107	1.2	SPHAEROSYLLIS TAYLORI

6-14-83

STATION 21

2645	41.8	ARICIDEA TAYLORI
875	13.8	LUMBRINERIS VERRILLI
491	7.8	ARICIDEA PHILBINAE
416	6.6	MEDIOMASTUS AMBISETA
405	6.4	STREBLOSPIO BENEDICTI
277	4.4	THARYX CF. DORSOBRANCHIALIS
213	3.4	MYRIOCHELE OCULATA
192	3.0	PARAPRIONOSPIO PINNATA
75	1.2	HAPLOSCOLOPLOS FRAGILIS
75	1.2	SCOLOPLOS RUBRA

9-8-83

STATION 21

6091	52.8	STREBLOSPIO BENEDICTI
3669	31.8	ARICIDEA TAYLORI
384	3.3	CIRROPHORUS CF. FURCATUS
213	1.9	THARYX CF. DORSOBRANCHIALIS
160	1.4	MEDIOMASTUS AMBISETA
149	1.3	PARAPRIONOSPIO PINNATA
107	0.9	SCOLOPLOS RUBRA
96	0.8	ARICIDEA PHILBINAE
75	0.6	CARAZZIELLA HOBSONAE
64	0.6	HAPLOSCOLOPLOS FRAGILIS

11-23-83

STATION 21

3648	34.4	ARICIDEA TAYLORI
1387	13.1	HAPLOSCOLOPLOS FOLIOSUS
1067	10.1	MEDIOMASTUS SP.
725	6.8	STREBLOSPIO BENEDICTI
693	6.5	ACTEOCINA CANALICULATA
597	5.6	PARAPRIONOSPIO PINNATA
448	4.2	LUMBRINERIS VERRILLI
192	1.8	SCOLELEPIS TEXANA
192	1.8	SCOLOPLOS RUBRA
181	1.7	SPIOCHAETOPTERUS C. OCULATUS

2-23-84

STATION 21

2816	14.0	ACTEOCINA CANALICULATA
2752	13.7	HAPLOSCOLOPLOS FOLIOSUS
2677	13.3	STREBLOSPIO BENEDICTI
2037	10.1	ARICIDEA TAYLORI
1995	9.9	COROPHIUM ACHERUSICUM
1163	5.8	THARYX CF. DORSOBRANCHIALIS
896	4.5	MEDIOMASTUS AMBISETA
715	3.6	HAPLOSCOLOPLOS FRAGILIS
651	3.2	SPHAEROSYLLIS TAYLORI
555	2.8	LUMBRINERIS VERRILLI

6-6-84

STATION 21

2336	25.1	ARICIDEA TAYLORI
1803	19.4	THARYX CF. DORSOBRANCHIALIS
1525	16.4	HAPLOSCOLOPLOS FRAGILIS
427	4.6	HAPLOSCOLOPLOS FOLIOSUS
288	3.1	STREBLOSPIO BENEDICTI
224	2.4	ARICIDEA PHILBINAE
171	1.8	MEDIOMASTUS AMBISETA
149	1.6	MYRIOCHELE OCULATA
139	1.5	MEDIOMASTUS SP.
117	1.3	CIRROPHORUS CF. FURCATUS

6-14-83

STATION 22

523	12.1	LUMBRINERIS VERRILLI
416	9.6	ALIGENA TEXASIANA
331	7.7	MYRIOCHELE OCULATA
267	6.2	ARICIDEA TAYLORI
235	5.4	THARYX CF. DORSOBRANCHIALIS
224	5.2	FABRICIA SP. A
160	3.7	CLYMENELLA TORQUATA
128	3.0	BATEA CF. CATHARINENSIS
96	2.2	MYSELLA PLANULATA
96	2.2	EDOTEA TRILOBA

7-25-83

STATION 22

1013	20.0	LUMBRINERIS VERRILLI
779	15.3	ARICIDEA TAYLORI
693	13.7	THARYX CF. DORSOBRANCHIALIS
555	10.9	MEDIOMASTUS AMBISETA
299	5.9	ARICIDEA PHILBINAE
171	3.4	STREBLOSPIO BENEDICTI
160	3.2	PARAPRIONOSPIO PINNATA
139	2.7	CIRROPHORUS CF. FURCATUS
117	2.3	MYRIOCHELE OCULATA
75	1.5	POLYCIRRUS SP.

9-8-83

STATION 22

1579	23.6	STREBLOSPIO BENEDICTI
1259	18.8	ARICIDEA TAYLORI
555	8.3	LUMBRINERIS VERRILLI
533	8.0	THARYX CF. DORSOBRANCHIALIS
491	7.3	MEDIOMASTUS AMBISETA
213	3.2	PARAPRIONOSPIO PINNATA
203	3.0	ACTEOCINA CANALICULATA
117	1.8	SCOLOPLOS RUBRA
107	1.6	MYRIOCHELE OCULATA
107	1.6	POLYNOID GENUS D

10-13-83

STATION 22

608	15.7	THARYX CF. DORSOBRANCHIALIS
565	14.6	ARICIDEA TAYLORI
523	13.5	PARAPRIONOSPIO PINNATA
181	4.7	MEDIOMASTUS SP.
171	4.4	LUMBRINERIS VERRILLI
171	4.4	ACTEOCINA CANALICULATA
149	3.8	STREBLOSPIO BENEDICTI
96	2.5	SCOLELEPIS TEXANA
85	2.2	SCOLOPLOS RUBRA
75	1.9	CIRROPHORUS CF. FURCATUS

11-23-83

STATION 22

1973	17.4	MEDIOMASTUS SP.
1813	16.0	THARYX CF. DORSOBRANCHIALIS
971	8.6	ARICIDEA TAYLORI
800	7.1	PARAPRIONOSPIO PINNATA
608	5.4	LUMBRINERIS VERRILLI
501	4.4	HAPLOSCOLOPLOS FOLIOSUS
491	4.3	MYRIOCHELE OCULATA
427	3.8	KINBERGONUPHIS SIMONI
331	2.9	SCOLELEPIS TEXANA
267	2.4	SPIOCHAETOPTERUS C. OCULATUS

1-4-84

STATION 22

2411	18.3	MEDIOMASTUS CALIFORNIENSIS
1163	8.8	THARYX CF. DORSOBRANCHIALIS
981	7.5	LUMBRINERIS VERRILLI
672	5.1	ACTEOCINA CANALICULATA
608	4.6	SCOLELEPIS TEXANA
608	4.6	MOOREONUPHIS NEBULOSA
587	4.5	FABRICIA SP. A
501	3.8	SPHAEROSYLLIS TAYLORI
288	2.2	CAECUM PULCHELLUM
277	2.1	AMAEANA TRILOBATA

2-23-84

STATION 22

2229	12.3	SPHAEROSYLLIS TAYLORI
1781	9.8	EXOGONE DISPAR
1344	7.4	THARYX CF. DORSOBRANCHIALIS
1269	7.0	MEDIOMASTUS AMBISETA
1237	6.8	CAECUM STRIGOSUM
1067	5.9	ARICIDEA TAYLORI
960	5.3	MYRIOCHELE OCULATA
619	3.4	CLYMENELLA TORQUATA
555	3.0	FABRICIA SP. A
533	2.9	STREBLOSPIO BENEDICTI

4-16-84

STATION 22

917	9.9	THARYX CF. DORSOBRANCHIALIS
917	9.9	MEDIOMASTUS SP.
853	9.2	ARICIDEA TAYLORI
843	9.1	HAPLOSCOLOPLOS FOLIOSUS
512	5.5	LUMBRINERIS VERRILLI
501	5.4	HAPLOSCOLOPLOS FRAGILIS
352	3.8	ACTEOCINA CANALICULATA
320	3.5	CLYMENELLA TORQUATA
277	3.0	HOLOTHUROIDEA SP.
213	2.3	PARAPRIONOSPIO PINNATA

6-6-84

STATION 22

3499	29.3	THARYX CF. DORSOBRANCHIALIS
949	7.9	ARICIDEA TAYLORI
736	6.2	ALIGENA TEXASIANA
544	4.6	LUMBRINERIS VERRILLI
523	4.4	FABRICIA SP. A
416	3.5	AMPELISCA HOLMESI
405	3.4	MYRIOCHELE OCULATA
373	3.1	NEAEROMYA FLORIDANA
320	2.7	ENTEROPNEUSTA SP.
288	2.4	HAPLOSCOLOPLOS FOLIOSUS

7-17-84

STATION 22

1099	17.1	THARYX CF. DORSOBRANCHIALIS
757	11.8	ARICIDEA TAYLORI
587	9.2	ALIGENA TEXASIANA
373	5.8	MEDIOMASTUS SP.
320	5.0	LUMBRINERIS VERRILLI
299	4.7	MYRIOCHELE OCULATA
235	3.7	HAPLOSCOLOPLOS FRAGILIS
213	3.3	PARAPRIONOSPIO PINNATA
149	2.3	MEDIOMASTUS AMBISETA
128	2.0	HAPLOSCOLOPLOS FOLIOSUS

6-14-83

STATION 23

1109	17.2	CREPIDULA PLANA
469	7.3	ARICIDEA PHILBINAE
416	6.4	MEDIOMASTUS AMBISETA
384	5.9	THARYX CF. DORSOBRANCHIALIS
320	5.0	CAULLERIELLA SP.
288	4.5	LUMBRINERIS VERRILLI
171	2.6	ARICIDEA TAYLORI
171	2.6	LYONSIA HYALINA FLORIDANA
160	2.5	FABRICIA SP. A
160	2.5	BRACHIDONTES EXUSTUS

9-8-83

STATION 23

1099	27.8	MEDIOMASTUS AMBISETA
491	12.4	PARAPRIONOSPIO PINNATA
405	10.3	STREBLOSPIO BENEDICTI
309	7.8	MYRIOCHELE OCULATA
288	7.3	LUMBRINERIS VERRILLI
213	5.4	ACTEOCINA CANALICULATA
128	3.2	TURBONILLA CONRADI
117	3.0	CARAZZIELLA HOBSONAE
64	1.6	SPIONIDAE SP.
53	1.4	PHYLLODOCE ARENAE

11-23-83

STATION 23

8181	27.8	FABRICIA SP. A
3573	12.1	MEDIOMASTUS CALIFORNIENSIS
2581	8.8	EXOGONE DISPAR
2507	8.5	MYRIOCHELE OCULATA
2283	7.8	AXIOTHELLA MUCOSA
1557	5.3	CREPIDULA PLANA
971	3.3	CAECUM PULCHELLUM
704	2.4	KINBERGONUPHIS SIMONI
619	2.1	ACTEOCINA CANALICULATA
587	2.0	COROPHIUM ACHERUSICUM

2-23-84

STATION 23

2336	25.2	THARYX CF. DORSOBRANCHIALIS
949	10.2	HAPLOSCOLOPLOS FOLIOSUS
651	7.0	MINUSPIO CIRRIFERA
597	6.4	MYRIOCHELE OCULATA
416	4.5	CLYMENELLA TORQUATA
405	4.4	ACTEOCINA CANALICULATA
395	4.3	MICROPHOLIS GRACILLIMA
299	3.2	POLYNOID GENUS D
277	3.0	MYSELLA PLANULATA
256	2.8	PARAPRIONOSPIO PINNATA

6-6-84

STATION 23

6048	25.3	FABRICIA SP. A
1451	6.1	CAULLERIELLA SP.
1259	5.3	MEDIOMASTUS SP.
1024	4.3	TURBONILLA CONRADI
864	3.6	EXOGONE DISPAR
789	3.3	THARYX CF. DORSOBRANCHIALIS
757	3.2	NUCULA PROXIMA
736	3.1	BOGUEA ENIGMATICA
715	3.0	MYSELLA PLANULATA
672	2.8	MYRIOCHELE OCULATA

6-14-83

STATION 24

192	6.0	LUMBRINERIS VERRILLI
181	5.7	NOTOMASTUS LATERICEUS
181	5.7	CHAETOZONE SP.
160	5.0	ABRA AEQUALIS
139	4.4	ARICIDEA CF. CATHERINAE
107	3.4	HAPLOSCOLOPLOS FRAGILIS
96	3.0	OXYUROSTYLIS SMITHI
85	2.7	APOPRIONOSPIO PYGMAEA
85	2.7	MULINIA LATERALIS
85	2.7	NUCULANA ACUTA

9-8-83

STATION 24

288	9.3	NEAEROMYA FLORIDANA
256	8.2	MYRIOCHELE OCULATA
181	5.8	MICROPHOLIS GRACILLIMA
149	4.8	THARYX CF. DORSOBRANCHIALIS
139	4.5	APOPRIONOSPIO PYGMAEA
139	4.5	LUMBRINERIS VERRILLI
117	3.8	NUCULANA ACUTA
107	3.4	POLYNOID GENUS D
96	3.1	AMPELISCA HOLMESI
96	3.1	NOTOMASTUS LATERICEUS

11-23-83

STATION 24

800	16.0	MEDIOMASTUS SP.
469	9.4	APOPRIONOSPIO PYGMAEA
416	8.3	LUMBRINERIS VERRILLI
384	7.7	MYRIOCHELE OCULATA
213	4.3	AMPELISCA HOLMESI
139	2.8	THARYX CF. DORSOBRANCHIALIS
128	2.6	PARAPRIONOSPIO PINNATA
128	2.6	SCOLELEPIS TEXANA
128	2.6	SPIOCHAETOPTERUS C. OCULATUS
117	2.3	TELLINA VERSICOLOR

2-23-84

STATION 24

1504	18.7	SCOLELEPIS TEXANA
629	7.8	MEDIOMASTUS SP.
619	7.7	MEDIOMASTUS AMBISETA
565	7.0	CLYMENELLA TORQUATA
352	4.4	SPIOPHANES BOMBYX
341	4.2	APOPRIONOSPIO PYGMAEA
320	4.0	LUMBRINERIS VERRILLI
256	3.2	BOGUEA ENIGMATICA
256	3.2	MYRIOCHELE OCULATA
192	2.4	MYSELLA PLANULATA

6-6-84

STATION 24

2133	13.9	MYRIOCHELE OCULATA
1963	12.8	CARAZZIELLA HOBSONAE
907	5.9	ALIGENA TEXASIANA
811	5.3	THARYX CF. DORSOBRANCHIALIS
683	4.5	MEDIOMASTUS AMBISETA
544	3.6	ABRA AEQUALIS
523	3.4	MEDIOMASTUS SP.
491	3.2	CLYMENELLA TORQUATA
459	3.0	MYSELLA PLANULATA
437	2.9	MINUSPIO CIRRIFERA

6-14-83

STATION 25

1984	28.0	GONIADIDES CAROLINAE
597	8.4	MEDIOMASTUS AMBISETA
565	8.0	ABRA AEQUALIS
309	4.4	MYRIOCHELE OCULATA
277	3.9	CIRROPHORUS CF. FURCATUS
213	3.0	MYSELLA PLANULATA
160	2.3	LYONSIA HYALINA FLORIDANA
149	2.1	CAECUM SP.
139	2.0	SPIOPHANES BOMBYX
128	1.8	PAGURIDAE SP.

7-25-83

STATION 25

1504	18.5	CARAZZIELLA HOBSONAE
1077	13.2	GONIADIDES CAROLINAE
587	7.2	MYRIOCHELE OCULATA
533	6.5	CIRROPHORUS CF. FURCATUS
533	6.5	MEDIOMASTUS AMBISETA
437	5.4	THARYX CF. DORSOBRANCHIALIS
256	3.1	NEAEROMYA FLORIDANA
256	3.1	AMPELISCA HOLMESI
203	2.5	LOIMIA MEDUSA
181	2.2	MICROPHOLIS GRACILLIMA

9-8-83

STATION 25

1440	14.7	GONIADIDES CAROLINAE
1099	11.2	CARAZZIELLA HOBSONAE
811	8.3	MEDIOMASTUS SP.
629	6.4	CIRROPHORUS CF. FURCATUS
608	6.2	MYRIOCHELE OCULATA
469	4.8	CAECUM STRIGOSUM
352	3.6	CAULLERIELLA SP.
352	3.6	NEANTHES MICROMMA
192	2.0	LUMBRINERIS VERRILLI
128	1.3	MICRODEUTOPUS MYERSI

10-13-83

STATION 25

1077	12.0	GONIADIDES CAROLINAE
459	5.1	CIRROPHORUS CF. FURCATUS
459	5.1	MEDIOMASTUS SP.
437	4.9	BRACHYURA SP. (JUV.)
405	4.5	COROPHIUM LOUISANIUM
320	3.6	PARAMPHINOME SP. B
288	3.2	MYRIOCHELE OCULATA
277	3.1	CARAZZIELLA HOBSONAE
277	3.1	CAULLERIELLA SP.
235	2.6	AMPELISCA HOLMESI

11-23-83

STATION 25

1867	14.6	GONIADIDES CAROLINAE
1579	12.3	CARAZZIELLA HOBSONAE
1035	8.1	MYRIOCHELE OCULATA
811	6.3	MEDIOMASTUS SP.
619	4.8	CAULLERIELLA SP.
501	3.9	CIRROPHORUS CF. FURCATUS
352	2.8	NEANTHES MICROMMA
277	2.2	LUMBRINERIS VERRILLI
277	2.2	ABRA AEQUALIS
245	1.9	CHONE AMERICANA

1-4-84

STATION 25

1301	10.1	MEDIOMASTUS AMBISETA
949	7.3	MYRIOCHELE OCULATA
672	5.2	GONIADIDES CAROLINAE
544	4.2	ABRA AEQUALIS
533	4.1	FABRICIA SP. A
491	3.8	CARAZZIELLA HOBSONAE
395	3.1	CIRROPHORUS CF. FURCATUS
331	2.6	LUMBRINERIS VERRILLI
320	2.5	SPHAEROSYLLIS TAYLORI
320	2.5	AXIOTHELLA MUCOSA

2-23-84

STATION 25

1035	11.5	MYRIOCHELE OCULATA
736	8.2	CLYMENELLA TORQUATA
512	5.7	NEAEROMYA FLORIDANA
416	4.6	NUCULANA ACUTA
405	4.5	CARAZZIELLA HOBSONAE
405	4.5	SPIOPHANES BOMBYX
331	3.7	MEDIOMASTUS AMBISETA
320	3.6	AMPHIURIDAE SP.
288	3.2	TEREBELLIDES STROEMI
277	3.1	THARYX CF. DORSOBRANCHIALIS

4-16-84

STATION 25

2517	17.2	MEDIOMASTUS SP.
1259	8.6	MYRIOCHELE OCULATA
992	6.8	GONIADIDES CAROLINAE
832	5.7	FABRICIA SP. A
597	4.1	LUMBRINERIS VERRILLI
491	3.4	CIRROPHORUS CF. FURCATUS
491	3.4	SPIOPHANES BOMBYX
373	2.6	NUCULANA ACUTA
363	2.5	NEANTHES MICROMMA
352	2.4	THARYX CF. DORSOBRANCHIALIS

6-6-84

STATION 25

1739	9.7	MYRIOCHELE OCULATA
1056	5.9	MEDIOMASTUS CALIFORNIENSIS
896	5.0	MEDIOMASTUS SP.
864	4.8	SABELLARIA VULGARIS
853	4.8	ABRA AEQUALIS
640	3.6	CIRROPHORUS CF. FURCATUS
533	3.0	FABRICIA SP. A
523	2.9	CAULLERIELLA SP.
448	2.5	GONIADIDES CAROLINAE
427	2.4	DIPLODONTA PUNCTATA

7-17-84

STATION 25

1408	19.8	MYRIOCHELE OCULATA
1003	14.1	CARAZZIELLA HOBSONAE
757	10.7	GONIADIDES CAROLINAE
480	6.8	CIRROPHORUS CF. FURCATUS
224	3.2	MEDIOMASTUS AMBISETA
149	2.1	AMPELISCA HOLMESI
149	2.1	AMPHIURIDAE SP.
128	1.8	THARYX CF. DORSOBRANCHIALIS
128	1.8	NEAEROMYA FLORIDANA
128	1.8	BRACHYURA SP. (JUV.)

6-14-83

STATION 26

1077	13.1	GONIADIDES CAROLINAE
1056	12.8	ABRA AEQUALIS
640	7.8	MEDIOMASTUS AMBISETA
320	3.9	NUCULANA ACUTA
235	2.8	CIRROPHORUS CF. FURCATUS
213	2.6	FABRICIA SP. A
213	2.6	LYONSIA HYALINA FLORIDANA
181	2.2	CHAETOZONE SP.
171	2.1	LUMBRINERIS VERRILLI
139	1.7	ARICIDEA TAYLORI

7-25-83

STATION 26

544	11.0	CIRROPHORUS CF. FURCATUS
512	10.4	GONIADIDES CAROLINAE
501	10.2	MEDIOMASTUS AMBISETA
213	4.3	NUCULANA ACUTA
192	3.9	CARAZZIELLA HORSONAE
181	3.7	LUMBRINERIS VERRILLI
128	2.6	ARICIDEA TAYLORI
128	2.6	CHONE AMERICANA
107	2.2	FABRICIA SP. A
107	2.2	MYSELLA PLANULATA

9-8-83

STATION 26

1589	17.7	GONIADIDES CAROLINAE
693	7.7	LUMBRINERIS VERRILLI
619	6.9	MEDIOMASTUS AMBISETA
459	5.1	CIRROPHORUS CF. FURCATUS
437	4.9	NUCULANA ACUTA
288	3.2	CAULLERIELLA SP.
267	3.0	MYRIOCHELE OCULATA
192	2.1	FABRICIA SP. A
192	2.1	OLIVELLA SP. B
160	1.8	CHONE AMERICANA

10-13-83

STATION 26

1141	9.1	FABRICIA SP. A
1131	9.0	GONIADIDES CAROLINAE
832	6.6	HAPLOSYLLIS SPONGICOLA
747	6.0	MEDIOMASTUS CALIFORNIENSIS
501	4.0	CHONE AMERICANA
341	2.7	LUMBRINERIS VERRILLI
288	2.3	CIRROPHORUS CF. FURCATUS
277	2.2	EXOGONE LOUREI
267	2.1	PINNOTHERIDAE SP.
256	2.0	APANTHURA MAGNIFICA

11-23-83

STATION 26

4597	16.6	HAPLOSYLLIS SPONGICOLA
2059	7.4	MEDIOMASTUS SP.
2016	7.3	GONIADIDES CAROLINAE
1877	6.8	FABRICIA SP. A
1344	4.9	CHONE AMERICANA
907	3.3	ABRA AEQUALIS
715	2.6	EXOGONE DISPAR
608	2.2	CAULLERIELLA SP.
597	2.2	PRIONOSPIO CRISTATA
501	1.8	AMPELISCA ABDITA

1-4-84

STATION 26

736	9.3	MEDIOMASTUS CALIFORNIENSIS
469	5.9	POLYDORA WEBSTERI
405	5.1	ABRA AEQUALIS
373	4.7	HAPLOSYLLIS SPONGICOLA
352	4.5	FABRICIA SP. A
309	3.9	PRIONOSPIO CRISTATA
267	3.4	EXOGONE DISPAR
267	3.4	SPIO PETTIBONEAE
245	3.1	CHONE AMERICANA
224	2.8	OLIVELLA SP. B

2-23-84

STATION 26

3949	18.9	FABRICIA SP. A
2645	14.9	HAPLOSYLLIS SPONGICOLA
1280	7.2	GONIADIDES CAROLINAE
1205	6.8	MEDIOMASTUS CALIFORNIENSIS
875	4.9	SPIOPHANES BOMBYX
597	3.4	EXOGONE DISPAR
523	3.0	NUCULANA ACUTA
395	2.2	CHONE AMERICANA
373	2.1	SPIO PETTIBONEAE
267	1.5	PRIONOSPIO CRISTATA

4-16-84

STATION 26

2005	14.3	MEDIOMASTUS SP.
1387	9.9	FABRICIA SP. A
917	6.5	NUCULANA ACUTA
715	5.1	SPIOPHANES BOMBYX
683	4.9	GONIADIDES CAROLINAE
683	4.9	POLYDORA CF HARTMANAE
629	4.5	MEDIOMASTUS CALIFORNIENSIS
299	2.1	LUMBRINERIS VERRILLI
277	2.0	EULALIA SANGUINEA
267	1.9	PRIONOSPIO CRISTATA

6-6-84

STATION 26

4864	22.3	SABELLARIA VULGARIS
1195	5.5	MEDIOMASTUS CALIFORNIENSIS
1045	4.8	MEDIOMASTUS SP.
1024	4.7	CAULLERIELLA SP.
907	4.2	ABRA AEQUALIS
661	3.0	AMPELISCA HOLMESI
469	2.1	POLYDORA CF HARTMANAE
459	2.1	GONIADIDES CAROLINAE
427	2.0	GLYCINDE SOLITARIA
416	1.9	NUCULA PROXIMA

7-17-84

STATION 26

608	9.9	GLYCERA AMERICANA
459	7.5	MEDIOMASTUS CALIFORNIENSIS
416	6.8	SABELLARIA VULGARIS
309	5.0	LOIMIA MEDUSA
256	4.2	CIRROPHORUS CF. FURCATUS
224	3.6	ARICIDEA TAYLORI
192	3.1	NUCULA PROXIMA
192	3.1	NUCULANA ACUTA
171	2.8	THARYX CF. DORSOBRANCHIALIS
160	2.6	EXOGONE DISPAR

6-14-83

STATION 27

2187	26.0	ARICIDEA PHILBINAE
1376	16.4	ARICIDEA TAYLORI
757	9.0	LAEONEREIS CULVERI
533	6.4	THARYX CF. DORSOBRANCHIALIS
224	2.7	CHONE AMERICANA
203	2.4	STREBLOSPIO BENEDICTI
181	2.2	PRIONOSPIO HETEROBRANCHIA
181	2.2	ERICHSONELLA CF. ATTENUATA
117	1.4	GRANDIDIERELLA BONNIEROIDES
107	1.3	DIASTOMA VARIUM

7-25-83

STATION 27

1269	16.9	ARICIDEA PHILBINAE
683	9.1	THARYX CF. DORSOBRANCHIALIS
587	7.8	CHONE AMERICANA
544	7.2	FABRICIA SP. A
480	6.4	PRIONOSPIO HETEROBRANCHIA
427	5.7	CYMADUSA COMPTA
352	4.7	GLYANOPSIS SP.
277	3.7	EHLERSIA CORNUTA
277	3.7	CAPITELLA CAPITATA
256	3.4	ARICIDEA TAYLORI

9-8-83

STATION 27

2048	26.7	STREBLOSPIO BENEDICTI
1301	17.0	ARICIDEA PHILBINAE
395	5.2	THARYX CF. DORSOBRANCHIALIS
384	5.0	EXOGONE DISPAR
277	3.6	PRIONOSPIO HETEROBRANCHIA
245	3.2	CHONE AMERICANA
235	3.1	CREPIDULA MACULOSA
181	2.4	CYMADUSA COMPTA
171	2.2	OLIVELLA MINUTA
149	1.9	ERICHONIUS BRASILIENSIS

10-13-83

STATION 27

1536	12.8	SPIRORBIS SPIRILLUM
1280	10.7	CYMADUSA COMPTA
1227	10.2	STREBLOSPIO BENEDICTI
1013	8.5	CREPIDULA MACULOSA
981	8.2	ARICIDEA PHILBINAE
544	4.5	PRIONOSPIO HETEROBRANCHIA
512	4.3	CALCUM PULCHELLUM
448	3.7	GRANDIDIERELLA BONNIEROIDES
416	3.5	POLYDORA WEBSTERI
395	3.3	THARYX CF. DORSOBRANCHIALIS

11-23-83

STATION 27

2176	18.7	AXIOTHELLA MUCOSA
1877	16.2	POLYCIRRUS SP.
1344	11.6	STREBLOSPIO BENEDICTI
1003	8.6	FABRICIA SP. A
661	5.7	GRANULINA OVULIFORMIS
501	4.3	ARICIDEA PHILBINAE
427	3.7	KALLIAPSEUDES SP. A
352	3.0	EHLERSIA CORNUTA
288	2.5	EXOGONE DISPAR
288	2.5	TYPOSYLLIS CF. LUTEA

1-4-84

STATION 27

2709	18.8	STREBLOSPIO BENEDICTI
2624	18.2	AMAEANA TRILOBATA
1963	13.6	AXIOTHELLA MUCOSA
1131	7.8	ARICIDEA PHILBINAE
939	6.5	HAPLOSCOLOPLOS FOLIOSUS
704	4.9	SCOLELEPIS TEXANA
640	4.4	SPHAEROSYLLIS TAYLORI
523	3.6	FABRICIA SP. A
299	2.1	ACTEOCINA CANALICULATA
288	2.0	THARYX CF. DORSOBRANCHIALIS

2-23-84

STATION 27

2965	18.3	AMAEANA TRILOBATA
1387	8.5	CYMADUSA COMPTA
1312	8.1	HAPLOSCOLOPLOS FOLIOSUS
800	4.9	DIASTOMA VARIUM
789	4.9	THARYX CF. DORSOBRANCHIALIS
736	4.5	ARICIDEA PHILBINAE
693	4.3	AXIOTHELLA MUCOSA
661	4.1	FABRICIA SP. A
533	3.3	STREBLOSPIO BENEDICTI
523	3.2	CHONE AMERICANA

4-16-84

STATION 27

3947	19.3	CYMADUSA COMPTA
2080	10.2	THARYX CF. DORSOBRANCHIALIS
1408	6.9	ARICIDEA PHILBINAE
1301	6.4	FABRICIA SP. A
1259	6.2	HAPLOSCOLOPLOS FRAGILIS
811	4.0	EHLERSIA CORNUTA
651	3.2	ACUMINODEUTOPUS NAGLEI
619	3.0	EXOGONE DISPAR
597	2.9	AMAEANA TRILOBATA
576	2.8	PRIONOSPIO HETEROBRANCHIA

6-6-84

STATION 27

4021	21.1	THARYX CF. DORSOBRANCHIALIS
1301	6.8	DIASTOMA VARIUM
1280	6.7	ARICIDEA TAYLORI
1173	6.1	ARICIDEA PHILBINAE
1003	5.3	CHONE AMERICANA
1003	5.3	SPIRORBIS SPIRILLUM
789	4.1	AMPELISCA HOLMESI
587	3.1	STREBLOSPIO BENEDICTI
576	3.0	AXIOTHELLA MUCOSA
544	2.8	CYMADUSA COMPTA

7-17-84

STATION 27

3979	28.8	THARYX CF. DORSOBRANCHIALIS
2613	18.9	ARICIDEA TAYLORI
1717	12.4	ARICIDEA PHILBINAE
491	3.6	STREBLOSPIO BENEDICTI
405	2.9	SPIRORBIS SPIRILLUM
331	2.4	AMPELISCA HOLMESI
309	2.2	DIASTOMA VARIUM
224	1.6	CAPITELLA CAPITATA
224	1.6	HOLOTHUROIDEA SP.
213	1.5	HAPLOSCOLOPLOS FRAGILIS

6-14-83

STATION 28

1717	17.1	LUMBRINERIS VERRILLI
1504	15.0	FABRICIA SP. A
725	7.2	ARICIDEA TAYLORI
683	6.8	THARYX CF. DORSOBRANCHIALIS
683	6.8	ALIGENA TEXASIANA
501	5.0	CHONE AMERICANA
363	3.6	SCOLOPLOS RUBRA
331	3.3	AMPELISCA HOLMESI
277	2.8	CLYMENELLA TORQUATA
235	2.3	MEDIOMASTUS AMBISETA

9-8-83

STATION 28

3840	26.8	STREBLOSPIO BENEDICTI
1824	12.7	LUMBRINERIS VERRILLI
1621	11.3	FILOGRANA IMPLEXA
1408	9.8	FABRICIA SP. A
1152	8.0	THARYX CF. DORSOBRANCHIALIS
512	3.6	MEDIOMASTUS SP.
427	3.0	TYPOSYLLIS CF. LUTEA
373	2.6	SCOLOPLOS RUBRA
373	2.6	PRIONOSPIO HETEROBRANCHIA
277	1.9	GRANDIDIERELLA BONNIEROIDES

11-23-83

STATION 28

491	14.2	SCOLOPLOS TEXANA
373	10.8	ARICIDEA TAYLORI
373	10.8	STREBLOSPIO BENEDICTI
341	9.9	SCOLOPLOS RUBRA
331	9.6	LUMBRINERIS VERRILLI
288	8.4	PARAPRIONOSPIO PINNATA
171	5.0	MEDIOMASTUS SP.
139	4.0	THARYX CF. DORSOBRANCHIALIS
85	2.5	AMPELISCA HOLMESI
75	2.2	CIRROPHORUS CF. FURCATUS

2-23-84

STATION 28

4725	13.9	FABRICIA SP. A
3360	9.9	SPHAEROSYLLIS TAYLORI
3328	9.8	AXIOTHELLA MUCOSA
2720	8.0	THARYX CF. DORSOBRANCHIALIS
2304	6.8	CAECUM PULCHELLUM
1941	5.7	ACTEOCINA CANALICULATA
1259	3.7	LUMBRINERIS VERRILLI
1099	3.2	EXOGONE DISPAR
1088	3.2	STREBLOSPIO BENEDICTI
832	2.4	EHLERSIA CORNUTA

6-6-84

STATION 28

71456	63.0	FABRICIA SP. A
7787	6.9	THARYX CF. DORSOBRANCHIALIS
2965	2.6	AXIOTHELLA MUCOSA
2816	2.5	CHONE AMERICANA
2464	2.2	ERICTHONIUS BRASILIENSIS
2357	2.1	MALDANIDAE
2059	1.8	GRANDIDIERELLA BONNIEROIDES
1536	1.4	LUMBRINERIS VERRILLI
1397	1.2	MYSELLA PLANULATA
1344	1.2	ACTEOCINA CANALICULATA

6-14-83

STATION 29

20011	64.8	CAECUM SP.
2880	9.3	CAECUM PULCHELLUM
1120	3.6	ACROCIRRUS FRONTIFILIS
971	3.1	MELITA LONGISETOSA
885	2.9	BRACHIDONTES EXUSTUS
789	2.6	PARAMPHINOME SP. B
629	2.0	MEDIOMASTUS AMBISETA
491	1.6	CREPIDULA PLANA
416	1.3	PARACERCEIS CAUDATA
245	0.8	MELITA ELONGATA

7-25-83

STATION 29

1440	23.7	ARICIDEA TAYLORI
1387	22.8	LUMBRINERIS VERRILLI
704	11.6	THARYX CF. DORSOBRANCHIALIS
480	7.9	MEDIOMASTUS SP.
437	7.2	FABRICIA SP. A
320	5.3	AMPELISCA HOLMESI
128	2.1	PRIONOSPIO HETEROBRANCHIA
85	1.4	ARICIDEA PHILBINAE
85	1.4	SCOLOPLOS RUBRA
75	1.2	KINBERGONUPHIS SIMONI

9-8-83

STATION 29

19968	44.4	CAECUM STRIGOSUM
11808	26.3	FILOGRANA IMPLEXA
2592	5.8	POLYDORA WEBSTERI
1845	4.1	MEDIOMASTUS CALIFORNIENSIS
704	1.6	PANOPEUS HERBSTII
629	1.4	XANTHIDAE SP.
565	1.3	ELASMOPUS LEVIS
480	1.1	TYPOSYLLIS CF. LUTEA
416	0.9	TYPOSYLLIS PROLIFERA
395	0.9	NEREIDAE SP.

10-13-83

STATION 29

20843	49.5	FILOGRANA IMPLEXA
4459	10.6	MEDIOMASTUS CALIFORNIENSIS
2453	5.8	BOCCARDIELLA HAMATA
1621	3.9	CRASSOSTREA VIRGINICA
1269	3.0	POLYDORA SOCIALIS
981	2.3	TYPOSYLLIS PROLIFERA
939	2.2	CREPIDULA PLANA
736	1.7	ARICIDEA TAYLORI
683	1.6	STREBLOSPIO BENEDICTI
597	1.4	THARYX CF. DORSOBRANCHIALIS

11-23-83

STATION 29

12725	19.9	POLYDORA CF WEBSTERI
8928	14.0	MEDIOMASTUS CALIFORNIENSIS
8405	13.2	ELASMOPUS LEVIS
6005	9.4	CREPIDULA PLANA
4256	6.7	CRASSOSTREA VIRGINICA
3381	5.3	MELITA ELONGATA
2304	3.6	CAECUM PULCHELLUM
1845	2.9	CAECUM STRIGOSUM
1632	2.6	COROPHIUM LACUSTRE
1568	2.5	PRIONOSPIO HETEROBRANCHIA

1-4-84

STATION 29

3819	21.3	MEDIOMASTUS SP.
1568	8.7	SPHAEROSYLLIS TAYLORI
1280	7.1	ACTEOCINA CANALICULATA
971	5.4	MEDIOMASTUS CALIFORNIENSIS
864	4.8	FABRICIA SP. A
832	4.6	LUMBRINERIS VERRILLI
533	3.0	THARYX CF. DORSOBRANCHIALIS
533	3.0	TYPOSYLLIS CF. LUTEA
491	2.7	POLYDORA WEBSTERI
405	2.3	CLYMENELLA TORQUATA

2-23-84

STATION 29

2624	12.7	SPHAEROSYLLIS TAYLORI
2389	11.6	THARYX CF. DORSOBRANCHIALIS
2229	10.8	MEDIOMASTUS SP.
1920	9.3	FABRICIA SP. A
1259	6.1	ARICIDEA TAYLORI
1056	5.1	ACTEOCINA CANALICULATA
949	4.6	MEDIOMASTUS AMBISETA
853	4.1	MEDIOMASTUS CALIFORNIENSIS
544	2.6	CAECUM PULCHELLUM
480	2.3	CLYMENELLA TORQUATA

4-16-84

STATION 29

2656	23.1	THARYX CF. DORSOBRANCHIALIS
1461	12.7	CHONE AMERICANA
981	8.6	SCOLOPLOS RUBRA
843	7.3	ACTEOCINA CANALICULATA
651	5.7	HAPLOSCOLOPLOS FOLIOSUS
608	5.3	LUMBRINERIS VERRILLI
405	3.5	MEDIOMASTUS SP.
267	2.3	CLYMENELLA TORQUATA
245	2.1	SCOLELEPIS TEXANA
224	2.0	BATEA CF. CATHARINENSIS

6-6-84

STATION 29

11456	47.5	FABRICIA SP. A
3285	13.6	THARYX CF. DORSOBRANCHIALIS
1312	5.4	MYSELLA PLANULATA
1152	4.8	AMPELISCA HOLMESI
1013	4.2	ARICIDEA TAYLORI
779	3.2	MEDIOMASTUS AMBISETA
576	2.4	LUMBRINERIS VERRILLI
384	1.6	CHONE AMERICANA
256	1.1	HAPLOSCOLOPLOS FOLIOSUS
256	1.1	TURBONILLA CONRADI

7-17-84

STATION 29

1589	26.3	THARYX CF. DORSOBRANCHIALIS
704	11.7	LUMBRINERIS VERRILLI
661	11.0	ARICIDEA TAYLORI
469	7.8	MEDIOMASTUS AMBISETA
245	4.1	MEDIOMASTUS SP.
203	3.4	HAPLOSCOLOPLOS FRAGILIS
160	2.7	PARAPRIONOSPIO PINNATA
160	2.7	SCOLOPLOS RUBRA
128	2.1	FABRICIA SP. A
96	1.6	HOLOTHUROIDEA SP.

6-14-83

STATION 30

747	9.1	ARICIDEA TAYLORI
555	6.7	ALIGENA TEXASIANA
533	6.5	LUMBRINERIS VERRILLI
437	5.3	AMPELISCA HOLMESI
427	5.2	ARICIDEA PHILBINAE
427	5.2	CARAZZIELLA HOBSONAE
405	4.9	MEDIOMASTUS AMBISETA
341	4.1	CIRROPHORUS CF. FURCATUS
331	4.0	FABRICIA SP. A
277	3.4	MYRIOCHELE OCULATA

7-25-83

STATION 30

427	14.7	MEDIOMASTUS AMBISETA
363	12.5	LUMBRINERIS VERRILLI
267	9.2	MYRIOCHELE OCULATA
171	5.9	PARAPRIONOSPIO PINNATA
139	4.8	THARYX CF. DORSOBRANCHIALIS
107	3.7	ARICIDEA PHILBINAE
107	3.7	FABRICIA SP. A
85	2.9	BOGUEA ENIGMATICA
75	2.6	ARICIDEA TAYLORI
75	2.6	CAULLERIELLA SP.

9-8-83

STATION 30

3531	15.5	CAECUM PULCHELLUM
3488	15.3	STREBLOSPIO BENEDICTI
1664	7.3	FABRICIA SP. A
1195	5.2	MEDIOMASTUS SP.
1088	4.8	MYRIOCHELE OCULATA
1077	4.7	CARAZZIELLA HOBSONAE
651	2.9	PARAPRIONOSPIO PINNATA
619	2.7	PAGURIDAE SP.
555	2.4	CAULLERIELLA SP.
523	2.3	PRIONOSPIO HETEROBRANCHIA

10-13-83

STATION 30

6763	24.5	FABRICIA SP. A
2656	9.6	MEDIOMASTUS SP.
2560	9.3	MYRIOCHELE OCULATA
2507	9.1	CREPIDULA PLANA
1525	5.5	EXOGONE DISPAR
1045	3.8	CAECUM PULCHELLUM
981	3.6	LUMBRINERIS VERRILLI
608	2.2	THARYX CF. DORSOBRANCHIALIS
491	1.8	ARICIDEA PHILBINAE
373	1.4	PARAPRIONOSPIO PINNATA

11-23-83

STATION 30

8416	29.5	FABRICIA SP. A
3157	11.1	MEDIOMASTUS SP.
2464	8.6	AXIOTHELLA MUCOSA
2453	8.6	MYRIOCHELE OCULATA
1653	5.8	EXOGONE DISPAR
715	2.5	LUMBRINERIS VERRILLI
651	2.3	KINBERGONUPHIS SIMONI
608	2.1	ARICIDEA PHILBINAE
587	2.1	ACTEOCINA CANALICULATA
427	1.5	GRANDIDIERELLA BONNIEROIDES

1-4-84

STATION 30

7136	29.9	FABRICIA SP. A
2795	11.7	AXIOTHELLA MUCOSA
1973	8.3	MEDIOMASTUS SP.
1301	5.5	MYRIOCHELE OCULATA
1013	4.2	BOGUEA ENIGMATICA
981	4.1	ACTEOCINA CANALICULATA
939	3.9	EXOGONE DISPAR
768	3.2	KINBERGONUPHIS SIMONI
619	2.6	MEDIOMASTUS AMBISETA
576	2.4	SCOLELEPIS TEXANA

2-23-84

STATION 30

16704	40.0	FABRICIA SP. A
3477	8.3	CAECUM PULCHELLUM
2912	7.0	EXOGONE DISPAR
1984	4.8	SPHAEROSYLLIS TAYLORI
1419	3.4	MEDIOMASTUS SP.
1408	3.4	MEDIOMASTUS CALIFORNIENSIS
1163	2.8	PARACAPRELLA TENUIS
928	2.2	SPHAEROSYLLIS LONGICAUDA
896	2.1	EXOGONE LOUREI
747	1.8	COROPHIUM ACHERUSICUM

4-16-84

STATION 30

11211	35.8	FABRICIA SP. A
1216	3.9	THARYX CF. DORSOBRANCHIALIS
1173	3.7	BOGUEA ENIGMATICA
1152	3.7	EXOGONE DISPAR
1024	3.3	MYRIOCHELE OCULATA
949	3.0	ACTEOCINA CANALICULATA
896	2.9	AMPELISCA ABDITA
885	2.8	CALLISTA EUCYMATA
864	2.8	MEDIOMASTUS SP.
779	2.5	LUMBRINERIS VERRILLI

6-6-84

STATION 30

35883	51.9	FABRICIA SP. A
3029	4.4	AMPELISCA ABDITA
2155	3.1	MEDIOMASTUS AMBISETA
1568	2.3	ACUMINODEUTOPUS NAGLEI
1472	2.1	MYSELLA PLANULATA
1376	2.0	TRANSENNELLA CONRADINA
1312	1.9	ERICTHONIUS BRASILIENSIS
1120	1.6	MYRIOCHELE OCULATA
1088	1.6	ARICIDEA PHILBINAE
1056	1.5	BOGUEA ENIGMATICA

7-17-84

STATION 30

2901	20.4	FABRICIA SP. A
1152	8.1	MYRIOCHELE OCULATA
683	4.8	MEDIOMASTUS SP.
565	4.0	CAULLERIELLA SP.
469	3.3	EXOGONE DISPAR
416	2.9	PAGURIDAE SP.
384	2.7	HIPPOLYTE PLEURACANTHA
373	2.6	THARYX CF. DORSOBRANCHIALIS
352	2.5	AMPELISCA ABDITA
331	2.3	CARAZZIELLA HOBSONAE

6-14-83

STATION 31

501	13.4	THARYX CF. DORSOBRANCHIALIS
341	9.1	AMPELISCA HOLMESI
181	4.8	ASYCHIS ELONGATA
181	4.8	ORCHESTIA CF. PLATENSIS
160	4.3	ARICIDEA PHILBINAE
149	4.0	LAEONEREIS CULVERI
149	4.0	SCOLOPLOS RUBRA
139	3.7	PARAPRIONOSPIO PINNATA
117	3.1	LUMBRINERIS VERRILLI
117	3.1	OGYRIDES ALPHAEROSTRIS

7-25-83

STATION 31

960	9.6	THARYX CF. DORSOBRANCHIALIS
608	6.1	ARICIDEA PHILBINAE
565	5.6	CYMADUSA COMPTA
469	4.7	MYSELLA PLANULATA
416	4.2	TYPOSYLLIS CF. LUTEA
405	4.0	CREPIDULA MACULOSA
405	4.0	AMPELISCA ABDITA
341	3.4	MAGELONA PETTIBONEAE
341	3.4	AXIOTHELLA MUCOSA
331	3.3	GRANDIDIERILLA BONNIEROIDES

9-8-83

STATION 31

981	17.5	DIASTOMA VARIUM
651	11.6	ARICIDEA PHILBINAE
629	11.2	THARYX CF. DORSOBRANCHIALIS
288	5.1	CREPIDULA MACULOSA
245	4.4	MITRELLA LUNATA
235	4.2	PARAPRIONOSPIO PINNATA
224	4.0	ACTEOCINA CANALICULATA
224	4.0	BRACHIDONTES EXUSTUS
213	3.8	TURBONILLA CONRADI
149	2.7	ARICIDEA TAYLORI

10-13-83

STATION 31

2816	32.4	ACTEOCINA CANALICULATA
789	9.1	HAMINOE SUCCINEA
555	6.4	PARAPRIONOSPIO PINNATA
395	4.5	CARAZZIELLA HOBSONAE
373	4.3	CAULLERIELLA SP.
320	3.7	THARYX CF. DORSOBRANCHIALIS
299	3.4	STREBLOSPIO BENEDICTI
267	3.1	EXOGONE LOUREI
256	2.9	MEDIOMASTUS SP.
203	2.3	GLYCINDE SOLITARIA

11-23-83

STATION 31

725	9.0	MEDIOMASTUS SP.
693	8.6	ACTEOCINA CANALICULATA
523	6.5	FABRICIA SP. A
512	6.3	ARICIDEA PHILBINAE
331	4.1	MEDIOMASTUS AMBISETA
277	3.4	EXOGONE DISPAR
267	3.3	PARAPRIONOSPIO PINNATA
267	3.3	TYPOSYLLIS CF. LUTEA
245	3.0	LUMBRINERIS VERRILLI
235	2.9	PRIONOSPIO HETEROBRANCHIA

1-4-84

STATION 31

1931	24.3	MEDIOMASTUS AMBISETA
971	12.2	ARICIDEA PHILBINAE
800	10.1	ACTEOCINA CANALICULATA
384	4.8	THARYX CF. DORSOBRANCHIALIS
363	4.6	PHASCOLION SP.
352	4.4	PARAPRIONOSPIO PINNATA
299	3.8	SCOLELEPIS TEXANA
245	3.1	HAPLOSCOLOPLOS FOLIOSUS
235	2.9	SCOLOPLOS RUBRA
213	2.7	GRANULINA OVULIFORMIS.

2-23-84

STATION 31

2272	16.4	HOLOTHUROIDEA SP.
2165	15.7	ACTEOCINA CANALICULATA
1760	12.7	MYSELLA PLANULATA
917	6.6	MEDIOMASTUS SP.
757	5.5	ARICIDEA PHILBINAE
629	4.6	MEDIOMASTUS AMBISETA
533	3.9	STREBLOSPIO BENEDICTI
459	3.3	PARAPRIONOSPIO PINNATA
352	2.5	CYCLASPIS SP. A
320	2.3	THARYX CF. DORSOBRANCHIALIS

4-16-84

STATION 31

4043	20.0	CYMADUSA COMPTA
1237	6.1	CHONE AMERICANA
1099	5.4	ERICHONIUS BRASILIENSIS
992	4.9	SPHAEROSYLLIS TAYLORI
949	4.7	COROPHIUM LACUSTRE
853	4.2	CAPITELLA CAPITATA
768	3.8	ARICIDEA PHILBINAE
629	3.1	THARYX CF. DORSOBRANCHIALIS
565	2.8	CYMODOCE FAXONI
459	2.3	OXYUROSTYLIS SMITHI

6-6-84

STATION 31

1696	10.8	ARICIDEA PHILBINAE
1632	10.4	THARYX CF. DORSOBRANCHIALIS
1365	8.7	MEDIOMASTUS AMBISETA
576	3.7	MYSELLA PLANULATA
544	3.5	AXIOTHELLA MUCOSA
512	3.2	FABRICIA SP. A
491	3.1	HARGERIA RAPAX
469	3.0	SPIRORBIS SPIRILLUM
448	2.8	CAPITELLA CAPITATA
416	2.6	CYMADUSA COMPTA

7-17-84

STATION 31

1237	19.7	THARYX CF. DORSOBRANCHIALIS
555	8.8	MYSELLA PLANULATA
523	8.3	HOLOTHUROIDEA SP.
469	7.5	HAMINOE SUCCINEA
309	4.9	ARICIDEA PHILBINAE
299	4.8	MEDIOMASTUS AMBISETA
245	3.9	PARAPRIONOSPIO PINNATA
235	3.7	LUMBRINERIS VERRILLI
213	3.4	AMPELISCA HOLMESI
203	3.2	GLYCINDE SOLITARIA

6-14-83

STATION 32

2101	8.8	BRACHIDONTES EXUSTUS
2048	8.6	MEDIOMASTUS CALIFORNIENSIS
1717	7.2	THARYX CF. DORSOBRANCHIALIS
1504	6.3	FILOGRANA IMPLEXA
1163	4.9	MITRELLA LUNATA
1109	4.7	CAECUM PULCHELLUM
1013	4.3	DIASTOMA VARIUM
896	3.8	CHONE AMERICANA
736	3.1	CARAZZIELLA HOBSONAE
715	3.0	FABRICIA SP. A

9-8-83

STATION 32

352	6.2	ACTEOCINA CANALICULATA
341	6.0	ARICIDEA TAYLORI
341	6.0	CYMADUSA COMPTA
309	5.5	MEDIOMASTUS AMBISETA
299	5.3	FABRICIA SP. A
256	4.5	THARYX CF. DORSOBRANCHIALIS
171	3.0	DIASTOMA VARIUM
160	2.8	ERICHONIUS BRASILIENSIS
139	2.4	PARAPRIONOSPIO PINNATA
128	2.3	KINBERGONUPHIS SIMONI

11-23-83

STATION 32

1163	9.7	MEDIOMASTUS CALIFORNIENSIS
747	6.2	EXOGONE DISPAR
683	5.7	NEANTHES SUCCINEA
651	5.4	TYPOSYLLIS CF. LUTEA
576	4.8	ACTEOCINA CANALICULATA
544	4.5	THARYX CF. DORSOBRANCHIALIS
448	3.7	ARICIDEA TAYLORI
384	3.2	PARAPRIONOSPIO PINNATA
352	2.9	CYMADUSA COMPTA
331	2.8	PRIONOSPIO HETEROBRANCHIA

2-23-84

STATION 32

1888	13.9	SPHAEROSYLLIS TAYLORI
768	5.7	MEDIOMASTUS SP.
715	5.3	CYMADUSA COMPTA
651	4.8	FABRICIA SP. A
651	4.8	MEDIOMASTUS AMBISETA
587	4.3	SPHAEROSYLLIS LONGICAUDA
565	4.2	EXOGONE DISPAR
544	4.0	CAECUM PULCHELLUM
395	2.9	HAPLOSCOLOPLOS FOLIOSUS
373	2.7	ACUMINODEUTOPUS NAGLEI

6-6-84

STATION 32

5557	17.9	DIASTOMA VARIUM
1856	6.0	CYMADUSA COMPTA
1835	5.9	MYSELLA PLANULATA
1579	5.1	GRANDIDIERELLA BONNIEROIDES
1387	4.5	CAPITELLA CAPITATA
1269	4.1	FABRICIA SP. A
1035	3.3	MITRELLA LUNATA
928	3.0	ACTEOCINA CANALICULATA
917	3.0	THARYX CF. DORSOBRANCHIALIS
917	3.0	AMPELISCA ABDITA

6-14-83

STATION 33

651	15.1	LUMBRINERIS TENUIS
213	4.9	ASYCHIS ELONGATA
213	4.9	LUMBRINERIS VERRILLI
203	4.7	CUMELLA SP. A.
192	4.4	ARICIDIA TAYLORI
192	4.4	THARYX CF. DORSOBRANCHIALIS
160	3.7	NOTOMASTUS LATERICEUS
117	2.7	ARICIDEA PHILBINAE
117	2.7	ALIGENA TEXASIANA
107	2.5	AMPELISCA HOLMESI

7-25-83

STATION 33

907	10.0	THARYX CF. DORSOBRANCHIALIS
608	6.7	LUMBRINERIS VERRILLI
587	6.5	ASCIDIACEA SP.
480	5.3	BATEA CF. CATHARINENSIS
469	5.2	GRANULINA OVULIFORMIS
341	3.8	EXOGONE DISPAR
309	3.4	BOGUEA ENIGMATICA
299	3.3	MEDIOMASTUS AMBISETA
267	2.9	ARICIDEA TAYLORI
256	2.8	ARICIDEA PHILBINAE

9-8-83

STATION 33

693	10.1	MYRIOCHELE OCULATA
629	9.2	THARYX CF. DORSOBRANCHIALIS
427	6.2	LUMBRINERIS VERRILLI
320	4.7	PARAPRIONOSPIO PINNATA
299	4.3	NOTOMASTUS LATERICEUS
245	3.6	BATEA CF. CATHARINENSIS
203	3.0	ASYCHIS ELONGATA
203	3.0	LUMBRINERIS TENUIS
192	2.8	TURBONILLA CONRADI
160	2.3	ARICIDEA TAYLORI

10-13-83

STATION 33

363	9.4	THARYX CF. DORSOBRANCHIALIS
341	8.8	LUMBRINERIS VERRILLI
245	6.3	ARICIDEA PHILBINAE
235	6.1	PARAPRIONOSPIO PINNATA
235	6.1	GRANULINA OVULIFORMIS
139	3.6	POLYDORA WEBSTERI
139	3.6	MEDIOMASTUS SP.
117	3.0	ACTEOCINA CANALICULATA
107	2.8	PHASCOLION SP.
107	2.8	TURBONILLA CONRADI

11-23-83

STATION 33

683	12.7	LUMBRINERIS VERRILLI
512	9.5	MYRIOCHELE OCULATA
501	9.3	THARYX CF. DORSOBRANCHIALIS
331	6.2	ARICIDEA PHILBINAE
235	4.4	HAMINOE SUCCINEA
139	2.6	ASYCHIS ELONGATA
139	2.6	TURBONILLA CONRADI
128	2.4	MEDIOMASTUS SP.
107	2.0	EXOGONE DISPAR
107	2.0	GYPTIS BREVIPALPA

1-4-84

STATION 33

2944	11.0	MEDIOMASTUS AMBISETA
2859	10.7	LUMBRINERIS VERRILLI
2432	9.1	FABRICIA SP. A
1899	7.1	BOGUEA ENIGMATICA
1696	6.3	MYRIOCHELE OCULATA
1408	5.3	AXIOTHELLA MUCOSA
1269	4.7	EXOGONE DISPAR
1173	4.4	ARICIDEA PHILBINAE
1067	4.0	SCOLELEPIS TEXANA
576	2.1	ACTEOCINA CANALICULATA

2-23-84

STATION 33

8373	25.7	FABRICIA SP. A
3776	11.6	BOGUEA ENIGMATICA
3659	11.2	MEDIOMASTUS AMBISETA
1376	4.2	SPHAEROSYLLIS TAYLORI
1312	4.0	MYRIOCHELE OCULATA
843	2.6	EXOGONE DISPAR
843	2.6	LUMBRINERIS VERRILLI
779	2.4	ACTEOCINA CANALICULATA
757	2.3	SPHAEROSYLLIS LONGICAUDA
661	2.0	AXIOTHELLA MUCOSA

4-16-84

STATION 33

3157	15.0	FABRICIA SP. A
1984	9.4	MEDIOMASTUS SP.
1547	7.3	MYRIOCHELE OCULATA
1365	6.5	LUMBRINERIS VERRILLI
1035	4.9	ACTEOCINA CANALICULATA
704	3.3	BOGUEA ENIGMATICA
629	3.0	CLYMENELLA TORQUATA
597	2.8	TURBONILLA CONRADI
587	2.8	THARYX CF. DORSOBRANCHIALIS
523	2.5	HAPLOSCOLOPLOS FOLIOSUS

6-6-84

STATION 33

1803	8.9	MYRIOCHELE OCULATA
1333	6.6	LUMBRINERIS VERRILLI
1216	6.0	ARICIDEA PHILBINAE
1067	5.3	FABRICIA SP. A
1067	5.3	LUMBRINERIS TENUIS
928	4.6	BOGUEA ENIGMATICA
704	3.5	MEDIOMASTUS AMBISETA
693	3.4	SPIRORBIS SPIRILLUM
640	3.2	BATEA CF. CATHARINENSIS
533	2.6	THARYX CF. DORSOBRANCHIALIS

7-17-84

STATION 33

533	10.8	LUMBRINERIS TENUIS
384	7.7	MYRIOCHELE OCULATA
373	7.5	LUMBRINERIS VERRILLI
363	7.3	ALIGENA TEXASIANA
299	6.0	THARYX CF. DORSOBRANCHIALIS
277	5.6	ARICIDEA PHILBINAE
256	5.2	AMPELISCA HOLMESI
213	4.3	CLYMENELLA TORQUATA
203	4.1	ARICIDEA TAYLORI
107	2.2	HAPLOSCOLOPLOS FRAGILIS

6-14-83

STATION 34

523	8.0	CREPIDULA PLANA
405	6.2	MEDIOMASTUS AMBISETA
384	5.9	MYRIOCHELE OCULATA
352	5.4	THARYX CF. DORSOBRANCHIALIS
331	5.1	NEANTHES MICROMMA
288	4.4	ALIGENA TEXASIANA
267	4.1	LUMBRINERIS VERRILLI
213	3.3	POLYCIRRUS SP.
203	3.1	BOGUEA ENIGMATICA
181	2.8	ARICIDEA PHILBINAE

9-8-83

STATION 34

6336	42.2	MYRIOCHELE OCULATA
896	6.0	LUMBRINERIS VERRILLI
683	4.5	NEANTHES MICROMMA
661	4.4	HALMYRAPSEUDES CF. CUBANENSIS
384	2.6	MEDIOMASTUS AMBISETA
384	2.6	SABELLARIA VULGARIS
341	2.3	PARAPRIONOSPIO PINNATA
277	1.8	FABRICIA SP. A
256	1.7	ACTEOCINA CANALICULATA
256	1.7	APANTHURA MAGNIFICA

11-23-83

STATION 34

5600	26.5	MYRIOCHELE OCULATA
3381	16.0	FABRICIA SP. A
939	4.4	LUMBRINERIS VERRILLI
907	4.3	AXIOTHELLA MUCOSA
789	3.7	NEANTHES MICROMMA
715	3.4	COROPHIUM TUBERCULATUM
640	3.0	SABELLARIA VULGARIS
576	2.7	CAULLERIELLA SP.
469	2.2	KINBERGONUPHIS SIMONI
459	2.2	EXOGONE DISPAR

2-23-84

STATION 34

2155	15.4	FABRICIA SP. A
1600	11.4	MYRIOCHELE OCULATA
1024	7.3	MEDIOMASTUS AMBISETA
875	6.2	LUMBRINERIS VERRILLI
853	6.1	CLYMENELLA TORQUATA
565	4.0	EXOGONE DISPAR
512	3.7	ACTEOCINA CANALICULATA
459	3.3	MYSELLA PLANULATA
384	2.7	BOGUEA ENIGMATICA
384	2.7	MOLGULIDAE SP.

6-6-84

STATION 34

2763	8.6	HAPLOSYLLIS SPONGICOLA
1557	4.9	APSEUDES PROPINQUUS
1440	4.5	MYRIOCHELE OCULATA
1355	4.2	CAULLERIELLA SP.
1355	4.2	MEDIOMASTUS SP.
1355	4.2	COROPHIUM TUBERCULATUM
1344	4.2	FABRICIA SP. A
1323	4.1	SABELLARIA VULGARIS
1088	3.4	MITRELLA LUNATA
885	2.8	CREPIDULA PLANA

6-14-83

STATION 35

2144	30.0	GONIADIDES CAROLINAE
576	8.1	CAECUM PULCHELLUM
427	6.0	CREPIDULA PLANA
277	3.9	MEDIOMASTUS SP.
267	3.7	PARAMPHINOME SP. B
192	2.7	ABRA AEQUALIS
160	2.2	MYSELLA PLANULATA
149	2.1	LYONSIA HYALINA FLORIDANA
139	1.9	BRACHIDONTES EXUSTUS
128	1.8	TAGELUS DIVISUS

7-25-83

STATION 35

1088	17.1	GONIADIDES CAROLINAE
544	8.5	AXIOTHELLA MUCOSA
235	3.7	SPIO PETTIBONEAE
213	3.3	CIRROPHORUS CF. FURCATUS
192	3.0	COROPHIUM LACUSTRE
171	2.7	EULALIA SANGUINEA
149	2.3	MYSELLA PLANULATA
139	2.2	APANTHURA MAGNIFICA
139	2.2	ERICHONIUS BRASILIENSIS
139	2.2	POECILOCHAETUS JOHNSONI

9-8-83

STATION 35

1419	15.6	GONIADIDES CAROLINAE
629	6.9	CIRROPHORUS CF. FURCATUS
597	6.6	FABRICIA SP. A
469	5.2	AXIOTHELLA MUCOSA
427	4.7	EXOGONE DISPAR
331	3.6	MEDIOMASTUS CALIFORNIENSIS
320	3.5	THARYX CF. DORSOBRANCHIALIS
299	3.3	POECILOCHAETUS JOHNSONI
235	2.6	LUMBRINERIS VERRILLI
213	2.4	EULALIA SANGUINEA

10-13-83

STATION 35

5035	21.2	BRACHIDONTES EXUSTUS
2581	10.9	AXIOTHELLA MUCOSA
2421	10.2	GONIADIDES CAROLINAE
1259	5.3	FABRICIA SP. A
1099	4.6	CAULLERIELLA SP.
811	3.4	CIRROPHORUS CF. FURCATUS
811	3.4	MEDIOMASTUS SP.
736	3.1	EXOGONE DISPAR
565	2.4	CAECUM PULCHELLUM
480	2.0	CREPIDULA PLANA

11-23-83

STATION 35

12384	26.5	FABRICIA SP. A
7499	16.1	AXIOTHELLA MUCOSA
4725	10.1	GONIADIDES CAROLINAE
3275	7.0	COROPHIUM TUBERCULATUM
2187	4.7	CREPIDULA PLANA
1728	3.7	BRACHIDONTES EXUSTUS
1429	3.1	EXOGONE DISPAR
1109	2.4	MAERA CF WILLIAMSI
939	2.0	MEDIOMASTUS CALIFORNIENSIS
715	1.5	SPIO PETTIBONEAE

1-4-84

STATION 35

17845	45.8	FABRICIA SP. A
5536	14.2	AXIOTHELLA MUCOSA
2283	5.9	MAERA CF WILLIAMSI
2048	5.3	EXOGONE DISPAR
864	2.2	COROPHIUM TUBERCULATUM
757	1.9	GONIADIDES CAROLINAE
523	1.3	MICRODEUTOPUS MYERSI
491	1.3	SPIO PETTIBONEAE
437	1.1	CREPIDULA PLANA
437	1.1	LEMBOS SMITHI

2-23-84

STATION 35

37184	60.2	FABRICIA SP. A
8448	13.7	AXIOTHELLA MUCOSA
3136	5.1	GONIADIDES CAROLINAE/
1845	3.0	EXOGONE DISPAR
811	1.3	SPHAEROSYLLIS TAYLORI
736	1.2	MAERA CF. CAROLINIANA
661	1.1	COROPHIUM TUBERCULATUM
640	1.0	MEDIOMASTUS SP.
533	0.9	SPHAEROSYLLIS LONGICAUDA
480	0.8	PARAMPHINOME SP. B

4-16-84

STATION 35

30805	52.4	FABRICIA SP. A
9440	16.1	AXIOTHELLA MUCOSA
2176	3.7	CREPIDULA PLANA
1835	3.1	GONIADIDES CAROLINAE
1557	2.7	EXOGONE DISPAR
971	1.7	SPIOPHANES BOMBYX
928	1.6	SPHAEROSYLLIS TAYLORI
672	1.1	EULALIA SANGUINEA
555	0.9	PHYLLODOCE ARENAE
523	0.9	MALDANIDAE

6-6-84

STATION 35

4821	16.0	AXIOTHELLA MUCOSA
3787	12.5	CAECUM PULCHELLUM
2581	8.5	CREPIDULA PLANA
1739	5.8	FABRICIA SP. A
1653	5.5	GONIADIDES CAROLINAE
917	3.0	SABELLARIA VULGARIS
864	2.9	MEDIOMASTUS SP.
651	2.2	CAULLERIELLA SP.
629	2.1	COROPHIUM TUBERCULATUM
587	1.9	EXOGONE DISPAR

7-17-84

STATION 35

853	6.6	MYRIOCHELE OCULATA
736	5.7	MEDIOMASTUS SP.
512	4.0	THARYX CF. DORSOBRANCHIALIS
459	3.6	GLYCINDE SOLITARIA
416	3.2	SABELLARIA VULGARIS
405	3.1	COROPHIUM TUBERCULATUM
256	2.0	BATEA CF. CATHARINENSIS
245	1.9	ERICHONIUS BRASILIENSIS
235	1.8	EXOGONE DISPAR
235	1.8	BRACHIDONTES EXUSTUS

6-14-83

STATION 36

512	11.0	ABRA AEQUALIS
384	8.3	NUCULANA ACUTA
277	6.0	ACITOCINA CANALICULATA
192	4.1	LYONSIA HYALINA FLORIDANA
192	4.1	NOTOMASTUS LATERICEUS
171	3.7	AMPELISCA HOLMESI
160	3.4	GLYCERIDAE SP.
149	3.2	ORCHESTIA CF. PLATENSIS
139	3.0	LUMBRINERIS VERRILLI
139	3.0	APANTHURA MAGNIFICA

9-8-83

STATION 36

1013	29.8	MYRIOCHELE OCULATA
181	5.3	NUCULANA ACUTA
171	5.0	LUMBRINERIS VERRILLI
149	4.4	AMPELISCA HOLMESI
128	3.8	MEDIOMASTUS AMBISETA
117	3.4	NUCULA PROXIMA
96	2.8	NEANTHES MICROMMA
96	2.8	ARICIDEA SP. C
64	1.9	PINNIXA PEARSEI
53	1.6	EXOGONE LOUREI

11-23-83

STATION 36

8619	20.1	FABRICIA SP. A
6080	14.2	MYRIOCHELE OCULATA
3211	7.5	MEDIOMASTUS CALIFORNIENSIS
2101	4.9	PRIONOSPIO CRISTATA
1973	4.6	GONIADIDES CAROLINAE
1131	2.6	APANTHURA CF. SIGNATA
1013	2.4	EXOGONE LOUREI
864	2.0	CAECUM PULCHELLUM
779	1.8	LUMBRINERIS VERRILLI
757	1.8	GRANDIDIERELLA BONNIEROIDES

2-23-84

STATION 36

13493	36.5	FABRICIA SP. A
3029	8.2	GONIADIDES CAROLINAE
2155	5.8	SPHAEROSYLLIS TAYLORI
1696	4.6	MOLGULIDAE SP.
864	2.3	AXIOTHELLA MUCOSA
832	2.3	MYRIOCHELE OCULATA
800	2.2	SPIOPHANES BOMBYX
704	1.9	CIRROPHORUS CF. FURCATUS
651	1.8	COROPHIUM ACHERUSICUM
640	1.7	CARAZZIELLA HOBSONAE

6-6-84

STATION 36

693	11.8	LUMBRINERIS TENUIS
672	11.4	ALIGENA TEXASIANA
341	5.8	CLYMENELLA TORQUATA
341	5.8	TEREBELLIDES STROEMI
299	5.1	AMPELISCA HOLMESI
224	3.8	MYRIOCHELE OCULATA
213	3.6	MEDIOMASTUS CALIFORNIENSIS
171	2.9	ABRA AEQUALIS
171	2.9	TURBONILLA CONRADI
149	2.5	DIPLODONTA PUNCTATA

6-14-83

STATION 38

5419	46.8	FABRICIA SP. A
800	6.9	AMPELISCA HOLMESI
544	4.7	EDOTEA TRILOBA
469	4.1	CUMELLA SP. A.
427	3.7	AMPHICTEIS GUNNERI
363	3.1	HARGERIA RAPAX
320	2.8	CIRROPHORUS CF. FURCATUS
309	2.7	ARICIDEA PHILBINAE
309	2.7	GRANDIDIERELLA BONNIEROIDES
267	2.3	MAGELONA PETTIBONEAE

9-8-83

STATION 38

907	15.7	ARICIDEA PHILBINAE
469	8.1	CIRROPHORUS CF. FURCATUS
363	6.3	TYPOSYLLIS CF. LUTEA
331	5.7	ARICIDEA TAYLORI
309	5.4	THARYX CF. DORSOBRANCHIALIS
309	5.4	CYMADUSA COMPTA
267	4.6	GRANDIDIERELLA BONNIEROIDES
256	4.4	FABRICIA SP. A
235	4.1	CREPIDULA MACULOSA
203	3.5	MAGELONA PETTIBONEAE

11-23-83

STATION 38

1429	27.4	ARICIDEA PHILBINAE
1067	20.4	STREBLOSPIO BENEDICTI
416	8.0	ACTEOCINA CANALICULATA
384	7.4	THARYX CF. DORSOBRANCHIALIS
245	4.7	HAMINOE SUCCINEA
213	4.1	PARAPRIONOSPIO PINNATA
203	3.9	SCOLELEPIS TEXANA
160	3.1	COROPHIUM ACHERUSICUM
107	2.0	PRIONOSPIO HETEROBRANCHIA
96	1.8	CAPITELLA CAPITATA

2-23-84

STATION 38

939	17.9	ARICIDEA PHILBINAE
704	13.4	THARYX CF. DORSOBRANCHIALIS
608	11.6	HAPLOSCOLOPLOS FRAGILIS
501	9.6	SPHAEROSYLLIS TAYLORI
448	8.6	OXYUROSTYLIS SMITHI
267	5.1	CAPITELLA CAPITATA
213	4.1	CYCLASPIS SP. A
139	2.6	MYSELLA PLANULATA
128	2.4	CAECUM PULCHELLUM
128	2.4	MONOCULODES NYEI

6-6-84

STATION 38

3936	24.1	CAPITELLA CAPITATA
2752	16.8	HARGERIA RAPAX
1856	11.4	FABRICIA SP. A
981	6.0	AMPHICTEIS GUNNERI
683	4.2	GRANDIDIERELLA BONNIEROIDES
533	3.3	HAPLOSCOLOPLOS FOLIOSUS
523	3.2	TYPOSYLLIS CF. LUTEA
501	3.1	ARICIDEA PHILBINAE
469	2.9	SPHAEROSYLLIS LONGICAUDA
448	2.7	THARYX CF. DORSOBRANCHIALIS

6-14-83

STATION 37

651	11.8	MEDIOMASTUS AMBISETA
619	11.2	GONIADIDES CAROLINAE
299	5.4	LUMBRINERIS VERRILLI
299	5.4	NUCULANA ACUTA
288	5.2	GYPTIS BREVIPALPA
192	3.5	POLYCIRRUS SP.
192	3.5	ABRA AEQUALIS
181	3.3	CIRROPHORUS CF. FURCATUS
117	2.1	CARAZZIELLA HOBSONAE
117	2.1	OXYUROSTYLIS SMITHI

7-25-83

STATION 37

501	8.9	MEDIOMASTUS AMBISETA
416	7.4	LUMBRINERIS VERRILLI
299	5.3	CIRROPHORUS CF. FURCATUS
299	5.3	GONIADIDES CAROLINAE
256	4.6	LOIMIA MEDUSA
213	3.8	MYRIOCHELE OCULATA
160	2.9	CERATONEREIS IRRITABILIS
128	2.3	AMPELISCA HOLMESI
117	2.1	BRACHYURA SP. (JUV.)
107	1.9	THARYX CF. DORSOBRANCHIALIS

9-8-83

STATION 37

181	8.1	LUMBRINERIS VERRILLI
117	5.2	DIPLODONTA PUNCTATA
107	4.8	APOPRIONOSPIO PYGMAEA
107	4.8	AMPELISCA HOLMESI
96	4.3	MYRIOCHELE OCULATA
96	4.3	AMPHIURIDAE SP.
96	4.3	CHAETOZONE SP.
85	3.8	THARYX CF. DORSOBRANCHIALIS
75	3.3	MEDIOMASTUS AMBISETA
75	3.3	ALIGENA TEXASIANA

10-13-83

STATION 37

2272	16.1	MEDIOMASTUS SP.
1557	11.1	LUMBRINERIS VERRILLI
800	5.7	MYRIOCHELE OCULATA
800	5.7	GONIADIDES CAROLINAE
683	4.8	CAULLERIELLA SP.
523	3.7	ABRA AEQUALIS
395	2.8	NUCULANA ACUTA
373	2.6	TELLINA VERSICOLOR
373	2.6	NEANTHES MICROMMA
320	2.3	LISTRIELLA CF. BARNARDI

11-23-83

STATION 37

747	9.2	CARAZZIELLA HOBSONAE
565	7.0	MYRIOCHELE OCULATA
491	6.1	LUMBRINERIS VERRILLI
480	5.9	MEDIOMASTUS CALIFORNIENSIS
416	5.1	AMPELISCA HOLMESI
363	4.5	ABRA AEQUALIS
352	4.3	CIRROPHORUS CF. FURCATUS
288	3.6	GONIADIDES CAROLINAE
277	3.4	CERATONEREIS IRRITABILIS
203	2.5	THARYX CF. DORSOBRANCHIALIS

1-4-84

STATION 37

1312	10.4	MEDIOMASTUS CALIFORNIENSIS
1131	9.0	FABRICIA SP. A
1077	8.6	ABRA AEQUALIS
555	4.4	LUMBRINERIS VERRILLI
384	3.1	TELLINA VERSICOLOR
352	2.8	NUCULANA ACUTA
341	2.7	POLYDORA WEBSTERI
320	2.5	MUNNA CF. HAYESI
277	2.2	EXOGONE DISPAR
267	2.1	MYRIOCHELE OCULATA

2-23-84

STATION 37

3040	20.9	MEDIOMASTUS AMBISETA
981	6.7	FABRICIA SP. A
917	6.3	SPIOPHANES BOMBYX
768	5.3	LUMBRINERIS VERRILLI
512	3.5	POLYDORA SOCIALIS
480	3.3	ARICIDIA PHILBINAE
395	2.7	NUCULANA ACUTA
352	2.4	MYRIOCHELE OCULATA
267	1.8	SPHAEROSYLLIS TAYLORI
213	1.5	CLYMENELLA TORQUATA

4-16-84

STATION 37

1451	8.7	GONIADIDES CAROLINAE
1237	7.5	MEDIOMASTUS AMBISETA
1131	6.8	SPHAEROSYLLIS TAYLORI
917	5.5	SPIOPHANES BOMBYX
843	5.1	LUMBRINERIS VERRILLI
704	4.2	NUCULANA ACUTA
661	4.0	MEDIOMASTUS SP.
576	3.5	MYRIOCHELE OCULATA
459	2.8	CIRROPHORUS CF. FURCATUS
427	2.6	HAPLOSCOLOPLOS FOLIOSUS

6-6-84

STATION 37

1429	14.1	MYRIOCHELE OCULATA
1045	10.3	ABRA AEQUALIS
491	4.8	NUCULANA ACUTA
491	4.8	AMPELISCA HOLMESI
448	4.4	MEDIOMASTUS AMBISETA
416	4.1	LYONSIA HYALINA FLORIDANA
405	4.0	MEDIOMASTUS SP.
352	3.5	GLYCINDE SOLITARIA
320	3.1	LUMBRINERIS VERRILLI
213	2.1	OXYUROSTYLIS SMITHI

7-17-84

STATION 37

363	6.2	CARAZZIELLA HOBSONAE
320	5.5	THARYX CF. DORSOBRANCHIALIS
309	5.3	TEREBELLIDES STROEMI
277	4.7	AMPHIURIDAE SP.
277	4.7	CHAETOZONE SP.
267	4.6	AMPELISCA HOLMESI
245	4.2	CIRROPHORUS CF. FURCATUS
245	4.2	MYRIOCHELE OCULATA
224	3.8	DIPLODONTA PUNCTATA
213	3.6	LOIMIA MEDUSA

6-14-83

STATION 39

811	9.9	MEDIOMASTUS SP.
789	9.7	FABRICIA SP. A
768	9.4	THARYX CF. DORSOBRANCHIALIS
363	4.4	CUMELLA SP. A.
309	3.8	BRACHIDONTES EXUSTUS
267	3.3	MYRIOCHELE OCULATA
235	2.9	ARICIDEA TAYLORI
235	2.9	LUMBRINERIS VERRILLI
224	2.7	ASYCHIS ELONGATA
203	2.5	BOGUEA ENIGMATICA

9-8-83

STATION 39

2635	14.1	HAMINOE SUCCINEA
1675	9.0	PARAPRIONOSPIO PINNATA
1344	7.2	MEDIOMASTUS AMBISETA
1152	6.2	ACTEOCINA CANALICULATA
853	4.6	LUMBRINERIS VERRILLI
757	4.1	GLYCINDE SOLITARIA
736	3.9	CREPIDULA MACULOSA
576	3.1	FABRICIA SP. A
565	3.0	THARYX CF. DORSOBRANCHIALIS
491	2.6	EXOGONE DISPAR

11-23-83

STATION 39

629	7.7	THARYX CF. DORSOBRANCHIALIS
597	7.3	PARAPRIONOSPIO PINNATA
469	5.8	ARICIDEA TAYLORI
437	5.4	HAMINOE SUCCINEA
352	4.3	ACTEOCINA CANALICULATA
320	3.9	TURBONILLA CONRADI
309	3.8	FABRICIA SP. A
277	3.4	LUMBRINERIS VERRILLI
224	2.8	MEDIOMASTUS AMBISETA
213	2.6	MAGELONA PETTIBONEAE

2-23-84

STATION 39

1493	8.8	ACTEOCINA CANALICULATA
1365	8.0	FABRICIA SP. A
1109	6.5	TURBONILLA CONRADI
843	4.9	CLYMENELLA TORQUATA
832	4.9	MEDIOMASTUS SP.
608	3.6	ASYCHIS ELONGATA
448	2.6	MYRIOCHELE OCULATA
416	2.4	MEDIOMASTUS AMBISETA
395	2.3	ARICIDEA TAYLORI
384	2.3	PHASCOLION SP.

6-6-84

STATION 39

341	6.0	THARYX CF. DORSOBRANCHIALIS
309	5.5	ASYCHIS ELONGATA
309	5.5	LUMBRINERIS VERRILLI
256	4.5	SYNAPTULA HYDRIFORMIS
245	4.3	CLYMENELLA TORQUATA
203	3.6	AMPELISCA HOLMESI
192	3.4	ARICIDEA TAYLORI
192	3.4	HAPLOSCOLOPLOS FOLIOSUS
181	3.2	MYRIOCHELE OCULATA
181	3.2	ALIGENA TEXASIANA

6-14-83

STATION 40

1216	13.4	LUMBRINERIS TENUIS
1205	13.3	MYRIOCHELE OCULATA
523	5.8	NOTOMASTUS LATERICEUS
501	5.5	ALIGENA TEXASIANA
501	5.5	CLYMENELLA TORQUATA
341	3.8	LUMBRINERIS VERRILLI
288	3.2	MINUSPIO CIRRIFERA
245	2.7	THARYX CF. DORSOBRANCHIALIS
245	2.7	TEREBELLIDES STROEMI
235	2.6	ABRA AEQUALIS

9-8-83

STATION 40

1408	20.2	MYRIOCHELE OCULATA
544	7.8	LUMBRINERIS TENUIS
352	5.1	CLYMENELLA TORQUATA
299	4.3	AMPHIURIDAE SP.
277	4.0	LUMBRINERIS VERRILLI
267	3.8	THARYX CF. DORSOBRANCHIALIS
267	3.8	TURBONILLA CONRADI
213	3.1	NOTOMASTUS LATERICEUS
203	2.9	CIRROPHORUS CF. FURCATUS
192	2.8	GYPTIS BREVIPALPA

11-23-83

STATION 40

4373	31.2	MYRIOCHELE OCULATA
1717	12.3	LUMBRINERIS VERRILLI
736	5.3	AXIOTHELLA MUCOSA
619	4.4	FABRICIA SP. A
437	3.1	THARYX CF. DORSOBRANCHIALIS
384	2.7	MINUSPIO CIRRIFERA
341	2.4	SIPHONOLAIS OBLIQUIS
277	2.0	HAMINOE SUCCINEA
224	1.6	MEDIOMASTUS CALIFORNIENSIS
213	1.5	TURBONILLA CONRADI

2-23-84

STATION 40

2859	13.4	CLYMENELLA TORQUATA
2699	12.7	MYRIOCHELE OCULATA
2144	10.1	LUMBRINERIS VERRILLI
1813	8.5	FABRICIA SP. A
1045	4.9	TEREBELLIDES STROEMI
757	3.6	AXIOTHELLA MUCOSA
704	3.3	MEDIOMASTUS AMBISETA
693	3.3	BOGUEA ENIGMATICA
352	1.7	SPIOPHANES BOMBYX
331	1.6	MINUSPIO CIRRIFERA

6-6-84

STATION 40

1984	20.3	LUMBRINERIS TENUIS
1717	17.6	CLYMENELLA TORQUATA
661	6.8	MYRIOCHELE OCULATA
437	4.5	LUMBRINERIS VERRILLI
341	3.5	ALIGENA TEXASIANA
320	3.3	MINUSPIO CIRRIFERA
309	3.2	AXIOTHELLA MUCOSA
213	2.2	THARYX CF. DORSOBRANCHIALIS
213	2.2	TELLINA VERSICOLOR
171	1.7	GYPTIS BREVIPALPA

APPENDIX IV

MACROPHYTE DATA

ALL SEAGRASSES COMBINED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: STANDING BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	21	88706.44591207	4224.11644819	26.36	0.0001	0.600651	88.0466
ERROR	368	58977.38940228	160.26464511		ROOT MSE		STANDBIO MEAN
CORRECTED TOTAL	389	147683.83481436			12.65956734		14.37825641

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
SD	8	35044.05156102	27.33	0.0001	8	9896.96677269	7.72	0.0001
STATIONC	8	51845.36243852	40.44	0.0001	8	8020.73506371	6.26	0.0001
BT	1	83.73944850	0.52	0.4702	1	165.19460824	1.03	0.3106
KB	1	22.98310408	0.14	0.7051	1	604.19033377	3.77	0.0529
BC	1	728.01699256	4.54	0.0337	1	141.66394602	0.88	0.3477
PH3	1	950.11692940	5.93	0.0154	1	911.03572907	5.68	0.0176
DO3	1	32.17493799	0.20	0.6544	1	32.17493799	0.20	0.6544

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BLADEDENSITY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	21	76725533.64553115	3653596.84026339	17.97	0.0001	0.565433	53.1909
ERROR	290	58967895.84164834	203337.57186775		ROOT MSE		BDEN MEAN
CORRECTED TOTAL	311	135693429.48717949			450.92967508		847.75641026

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
SD	8	29178880.87606835	17.94	0.0001	8	30565165.89265710	18.79	0.0001
STATIONC	8	40543009.25925928	24.92	0.0001	8	37450952.39037747	23.02	0.0001
BT	1	5141007.51450715	25.28	0.0001	1	3949459.86594695	19.42	0.0001
KB	1	96251.10696169	0.47	0.4920	1	8321.27643529	0.04	0.8398
BC	1	52006.46809327	0.26	0.6134	1	688283.60776707	3.38	0.0668
PH3	1	305852.40606196	1.50	0.2210	1	594.23539469	0.00	0.9569
DO3	1	1408526.01457947	6.93	0.0089	1	1408526.01457947	6.93	0.0089

ALL SEAGRASSES COMBINED

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: GROWTH RATE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	21	10.69588827	0.50932801	11.66	0.0001	0.550482	91.3823
ERROR	200	8.73413610	0.04367068		ROOT MSE		AVEGROW MEAN
CORRECTED TOTAL	221	19.43002437			0.20897531		0.22868241

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
SD	8	6.53000636	18.69	0.0001	8	2.19158537	6.27	0.0001
STATIONC	8	3.80065671	10.88	0.0001	8	0.50989932	1.46	0.1741
BT	1	0.00800763	0.18	0.6690	1	0.00484339	0.11	0.7395
KB	1	0.11413797	2.61	0.1075	1	0.04353993	1.00	0.3192
BC	1	0.02483358	0.57	0.4517	1	0.16423246	3.76	0.0539
PH3	1	0.07152540	1.64	0.2021	1	0.16903717	3.87	0.0505
DO3	1	0.14671062	3.36	0.0683	1	0.14671062	3.36	0.0683

HALODULE ONLY

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: STANDING BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	15	5814.69122763	387.64608184	9.59	0.0001	0.592262	102.5336
ERROR	99	4003.07962455	40.43514772		ROOT MSE		STANDBIO MEAN
CORRECTED TOTAL	114	9817.77085217			6.35886371		6.20173913

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
SD	8	2905.43207884	8.98	0.0001	8	1036.85720573	3.21	0.0028
STATIONC	2	2314.57976889	28.62	0.0001	2	230.99334228	2.86	0.0622
BT	1	14.85412421	0.37	0.5458	1	108.39554678	2.68	0.1047
KB	1	7.83249445	0.19	0.6608	1	303.23506573	7.50	0.0073
BC	1	173.86541075	4.30	0.0407	1	60.47604272	1.50	0.2242
PH3	1	388.67846546	9.61	0.0025	1	159.24798723	3.94	0.0500
DO3	1	9.44888502	0.23	0.6299	1	9.44888502	0.23	0.6299

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HALODULE ONLY

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BLADEDENSITY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	15	76014429.00339864	5067628.60022658	16.44	0.0001	0.597611	52.3898
ERROR	166	51182768.79879916	308329.93252289		ROOT MSE		BDEN MEAN
CORRECTED TOTAL	181	127197197.80219781			555.27464603		1059.89010989

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
SD	8	59301959.70695963	24.04	0.0001	8	47270468.53136773	19.16	0.0001
STATIONC	2	14453442.46031746	23.44	0.0001	2	4019910.62658574	6.52	0.0019
BT	1	28599.06960601	0.09	0.7611	1	15744.81035105	0.05	0.8215
KB	1	553196.11944391	1.79	0.1822	1	9495.38718843	0.03	0.8609
BC	1	88680.02440693	0.29	0.5925	1	420522.08782320	1.36	0.2445
PH3	1	713214.98419815	2.31	0.1302	1	65662.28373245	0.21	0.6451
DO3	1	875336.63846658	2.84	0.0939	1	875336.63846659	2.84	0.0939

HALODULE ONLY

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: GROWTH RATE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	15	1.29467345	0.08631156	7.63	0.0001	0.659940	80.0093
ERROR	59	0.66713157	0.01130731		ROOT MSE		AVEGROW MEAN
CORRECTED TOTAL	74	1.96180502			0.10633586		0.13290438

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
SD	8	1.02584425	11.34	0.0001	8	0.52017820	5.75	0.0001
STATIONC	2	0.17358330	7.68	0.0011	2	0.04214120	1.86	0.1642
BT	1	0.00295132	0.26	0.6113	1	0.01453223	1.29	0.2615
HB	1	0.02250433	1.99	0.1636	1	0.07010417	6.20	0.0156
BC	1	0.00965103	0.85	0.3593	1	0.00565686	0.50	0.4822
PH3	1	0.05297847	4.69	0.0345	1	0.02312248	2.04	0.1580
DO3	1	0.00716074	0.63	0.4293	1	0.00716074	0.63	0.4293

HALODULE ONLY

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: PERCENT COVER

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	16	60399.40356796	3774.96272300	7.71	0.0001	0.446457	72.5645
ERROR	153	74886.57290263	489.45472485		ROOT MSE		PC MEAN
CORRECTED TOTAL	169	135285.97647059			22.12362368		30.48823529

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
SD	9	49090.68600517	11.14	0.0001	9	45142.46451950	10.25	0.0001
STATIONC	2	3781.42611316	3.86	0.0231	2	5454.50368774	5.57	0.0046
BT	1	1044.04182453	2.13	0.1462	1	704.69350498	1.44	0.2320
MB	1	1999.70445644	4.09	0.0450	1	1516.21158811	3.10	0.0804
BC	1	499.74552230	1.02	0.3139	1	3.97397863	0.01	0.9283
PH3	1	372.57000814	0.76	0.3843	1	18.82501259	0.04	0.8448
DO3	1	3611.22963822	7.38	0.0074	1	3611.22963822	7.38	0.0074

SYRINGODIUM ONLY

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: PERCENT COVER

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	16	54630.61676909	3414.41354807	9.25	0.0001	0.456838	66.1666
ERROR	176	64953.51343817	369.05405363		ROOT MSE		PC MEAN
CORRECTED TOTAL	192	119584.13020725			19.21077962		29.03393782

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
SD	9	23837.62218899	7.18	0.0001	9	20216.23924139	6.09	0.0001
STATIONC	2	17334.67942993	23.49	0.0001	2	8432.26733642	11.42	0.0001
BT	1	5358.58873098	14.52	0.0002	1	5639.01215189	15.28	0.0001
KB	1	893.05289360	2.42	0.1216	1	2047.12813587	5.55	0.0196
BC	1	5009.58955098	13.57	0.0003	1	4001.30752261	10.84	0.0012
PH3	1	673.47815013	1.82	0.1785	1	199.32294170	0.54	0.4634
DO3	1	1523.60582448	4.13	0.0437	1	1523.60582448	4.13	0.0437

SYRINGODIUM ONLY

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: STANDING BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	15	17444.62957185	1162.97530479	11.22	0.0001	0.600455	80.9575
ERROR	112	11607.74482815	103.64057882		ROOT MSE		STANDBIO MEAN
CORRECTED TOTAL	127	29052.37440000			10.18040170		12.57500000

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
SD	8	5268.89447619	6.35	0.0001	8	1949.50242780	2.35	0.0224
STATIONC	2	11633.63283010	56.12	0.0001	2	955.86233886	4.61	0.0119
BT	1	25.21186446	0.24	0.6228	1	43.33793589	0.42	0.5192
KB	1	69.76665229	0.67	0.4137	1	191.85418017	1.85	0.1764
BC	1	168.92714067	1.63	0.2044	1	113.55453317	1.10	0.2975
PH3	1	230.16220170	2.22	0.1390	1	173.51510463	1.67	0.1984
DO3	1	48.03439845	0.46	0.4974	1	48.03439845	0.46	0.4974

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BLADEDENSITY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	15	13635803.66814455	909053.57787630	10.41	0.0001	0.639604	35.6914
ERROR	88	7683330.94724007	87310.57894591		ROOT MSE		BDEN MEAN
CORRECTED TOTAL	103	21319134.61538462			295.48363567		827.88461538

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
SD	8	4547467.94871794	6.51	0.0001	8	3428729.22386077	4.91	0.0001
STATIONC	2	8139735.24305556	46.61	0.0001	2	704097.64694338	4.03	0.0211
BT	1	429752.25403371	4.92	0.0291	1	536629.59093167	6.15	0.0151
KB	1	184940.51386991	2.12	0.1491	1	297031.49979265	3.40	0.0685
BC	1	90797.11252251	1.04	0.3106	1	62514.54724921	0.72	0.3998
PH3	1	200255.48065286	2.29	0.1335	1	152633.92648786	1.75	0.1895
DO3	1	42855.11529205	0.49	0.4854	1	42855.11529205	0.49	0.4854

SYRINGODIUM ONLY

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: GROWTH RATE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	15	6.07405208	0.40493681	5.13	0.0001	0.583396	97.1092
ERROR	55	4.33748129	0.07886330		ROOT MSE		AVEGROW MEAN
CORRECTED TOTAL	70	10.41153338			0.28082610		0.28918584

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
SD	8	3.27009441	5.18	0.0001	8	1.57709982	2.50	0.0216
STATIONC	2	1.91271343	12.13	0.0001	2	0.59207458	3.75	0.0296
BT	1	0.14098812	1.79	0.1867	1	0.06330335	0.80	0.3742
KB	1	0.57439492	7.28	0.0092	1	0.54330065	6.89	0.0112
BC	1	0.09781658	1.24	0.2703	1	0.04798237	0.61	0.4387
PH3	1	0.06190910	0.79	0.3795	1	0.04301969	0.55	0.4633
DO3	1	0.01613552	0.20	0.6528	1	0.01613552	0.20	0.6528

THALASSIA ONLY

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: PERCENT COVER

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	7	21157.18237977	3022.45462568	17.22	0.0001	0.671385	42.0681
ERROR	59	10355.56388889	175.51803202		ROOT MSE		PC MEAN
CORRECTED TOTAL	66	31512.74626866			13.24832186		31.49253731

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
SD	7	21157.18237977	17.22	0.0001	2	538.51531273	1.53	0.2241
BT	0	0.00000000	.	.	0	0.00000000	.	.
KB	0	0.00000000	.	.	0	0.00000000	.	.
BC	0	0.00000000	.	.	0	0.00000000	.	.
PH3	0	0.00000000	.	.	0	0.00000000	.	.
DO3	0	0.00000000	.	.	0	0.00000000	.	.

THALASSIA ONLY

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: STANDING BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	15	31028.14427450	2068.54295163	17.13	0.0001	0.698325	77.4061
ERROR	111	13404.10860109	120.75773514		ROOT MSE		STANDBIO MEAN
CORRECTED TOTAL	126	44432.25287559			10.98898244		14.19653543

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
SD	8	11958.71850226	12.38	0.0001	8	3161.24706207	3.27	0.0022
STATIONC	2	17999.25164469	74.53	0.0001	2	3473.22524571	14.38	0.0001
BT	1	147.58096161	1.22	0.2713	1	333.67470229	2.76	0.0993
KB	1	814.98098448	6.75	0.0107	1	514.69540895	4.26	0.0413
BC	1	1.01086720	0.01	0.9273	1	11.34502368	0.09	0.7598
PH3	1	97.12670236	0.80	0.3717	1	106.22985098	0.88	0.3503
DO3	1	9.47453191	0.08	0.7799	1	9.47453191	0.08	0.7799

THALASSIA ONLY

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: BLADEDENSITY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	15	2953534.09326466	196902.27288431	14.06	0.0001	0.705548	22.0583
ERROR	88	1232619.75288919	14007.04264647		ROOT MSE		BDEN MEAN
CORRECTED TOTAL	103	4186153.84615385			118.35135253		536.53846154

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
SD	8	605841.34615384	5.41	0.0001	8	440856.94097280	3.93	0.0005
STATIONC	2	1849526.90972222	66.02	0.0001	2	57533.68346558	2.05	0.1344
BT	1	76692.53815651	5.48	0.0215	1	76493.45420777	5.46	0.0217
KB	1	24971.34654635	1.78	0.1853	1	1517.82740785	0.11	0.7428
BC	1	1802.77088693	0.13	0.7206	1	3770.58209106	0.27	0.6052
PH3	1	386811.95887796	27.62	0.0001	1	344494.81275896	24.59	0.0001
DO3	1	7887.22292085	0.56	0.4550	1	7887.22292085	0.56	0.4550

THALLASSIA ONLY

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: GROWTH RATE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	15	3.94873903	0.26324927	7.70	0.0001	0.658227	69.3185
ERROR	60	2.05031813	0.03417197		ROOT MSE		AVEGROW MEAN
CORRECTED TOTAL	75	5.99905716			0.18485662		0.26667725

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
SD	8	3.02611673	11.07	0.0001	8	0.89248905	3.26	0.0037
STATIONC	2	0.74174133	10.85	0.0001	2	0.02630769	0.38	0.6822
BT	1	0.00180255	0.05	0.8191	1	0.00268132	0.08	0.7804
NB	1	0.03942742	1.15	0.2871	1	0.03254462	0.95	0.3330
BC	1	0.03184781	0.93	0.3382	1	0.10895394	3.19	0.0792
PH3	1	0.05122039	1.50	0.2256	1	0.07467274	2.19	0.1446
DO3	1	0.05658280	1.66	0.2031	1	0.05658280	1.66	0.2031

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: STANDING BIOMASS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	20	13878.08120079	693.90406004	3.95	0.0001	0.403259	169.4772
ERROR	117	20536.76666008	175.52792017		ROOT MSE		STANDBIO MEAN
CORRECTED TOTAL	137	34414.84786087			13.24869504		7.81739130

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
SD	8	5022.99416925	3.58	0.0010	8	2342.09335431	1.67	0.1134
STATIONC	7	7237.21226685	5.89	0.0001	7	6197.62502556	5.04	0.0001
BT	1	384.45214118	2.19	0.1416	1	900.85400333	5.13	0.0253
KB	1	173.45701436	0.99	0.3222	1	100.97733400	0.58	0.4497
BC	1	86.89037467	0.50	0.4831	1	101.84688967	0.58	0.4478
PH3	1	254.29822223	1.45	0.2312	1	2.59719678	0.01	0.9034
DO3	1	718.77701225	4.09	0.0453	1	718.77701225	4.09	0.0453

Summary of seagrass biomass (mean g/m^2) at the nine intensive monitoring stations over the course of the study. Data are means of 5 replicates.

STATION/SEAGRASS	Aug.'83	Sep '83	Oct '83	Dec '83	Jan '84	Mar '84	Apr '84	May '84	July '84
A. *Halodule*	22.88	32.32	15.52	1.09	0.89	N/D	7.01	4.90	18.2
B. *Syringodium*	23.94	39.84	24.03	31.87	17.57	19.33	3.90	36.51	26.0
C. *Thalassia*	49.37	44.61	29.12	26.14	13.31	9.41	2.37	23.74	72.0
D. *Halodule*	2.08	0.58	2.98	0.64	1.06	0.51	0.86	3.04	13.8
E. *Syringodium*	3.65	2.59	2.72	0.74	1.73	1.15	6.40	21.76	42.2
F. *Thalassia*	4.35	8.38	4.22	1.71	0.58	0.93	5.57	7.87	25.5
G. *Halodule*	N/D	3.46	1.12	0.37	0.42	N/D	0.48	4.13	5.5
H. *Syringodium*	3.20	2.08	1.76	0.31	1.15	1.22	0.34	1.66	6.1
I. *Thalassia*	10.65	6.66	7.04	3.13	0.58	0.67	0.86	4.00	4.8

N/D = no data

Summary of seagrass productivity (mean g. dwt/m²/day) at the nine intensive monitoring stations over the course of the study. Data are means of 3 replicates.

STATION/SEAGRASS	Aug '83	Sep '83	Nov '83	Dec '83	Feb '84	Mar '84	Apr '84	Jun '84	July '84
A. Halodule	0.59	0.15	0.04	0.09	0.05	0.08	0.10	0.12	0.52
B. Syringodium	0.70	0.33	0.49	0.24	0.06	0.17	0.32	0.45	1.55
C. Thalassia	0.75	0.20	0.47	0.23	0.07	0.09	0.28	0.17	0.98
D. Halodule	0.07	0.05	0.04	0.06	Trace	0.02	0.10	0.07	0.33
E. Syringodium	N/D	0.04	0.06	0.13	0.03	0.02	0.29	0.80	0.46
F. Thalassia	0.25	0.08	0.09	0.09	0.03	0.07	0.10	0.70	0.81
G. Halodule	0.26	0.06	0.06	0.06	Trace	0.04	0.08	0.11	0.16
H. Syringodium	0.13	0.04	0.15	0.12	0.03	0.05	0.08	0.15	0.18
I. Thalassia	0.24	0.22	0.11	0.10	0.05	0.04	0.22	0.35	0.16

Summary of seagrass shoot densities (mean #/m^2) at the nine intensive monitoring stations over the course of the study. Data are means of 4 replicates (*Halodule*) or 7 replicates (*Thalassia* and *Syringodium*).

Station	Seagrass	Aug '83	Sept '83	Oct '83	Dec '83	Jan '84	Mar '84	Apr '84	May '84	July '84
A	*Halodule*	1057.0	985.7	1700.0	628.6	842.9	985.7	1686.0	2371.0	2571.0
B	*Syringodium*	737.5	1413.0	1163.0	1288.0	875.0	1300.0	1175.0	1450.0	1300.0
C	*Thalassia*	500.0	650.0	525.0	937.5	812.5	775.0	462.5	812.5	962.5
D	*Halodule*	542.9	314.3	1043.0	528.6	557.1	142.9	700.0	871.4	2057.0
E	*Syringodium*	437.5	500.0	512.5	487.5	537.5	375.0	762.5	1338.0	1713.0
F	*Thalassia*	437.5	450.0	362.5	375.0	387.5	375.0	462.5	500.0	637.5
G	*Halodule*	771.4	600.0	1414.0	785.7	728.6	400.0	971.4	1229.0	2486.0
H	*Syringodium*	362.5	450.0	812.5	550.0	637.5	462.5	525.0	425.0	750.0
I	*Thalassia*	300.0	400.0	587.5	550.0	487.5	462.5	537.5	387.5	400.0

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: PERCENT COVER

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	18	284582.72658267	15810.15147681	29.06	0.0001	0.523537	44.0475
ERROR	476	258994.08957895	544.10523021		ROOT MSE		PC MEAN
CORRECTED TOTAL	494	543576.81616162			23.32606332		52.95656566

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE III SS	F VALUE	PR > F
SD	7	83441.82646244	21.91	0.0001	7	58304.64810458	15.31	0.0001
STATIONC	6	190486.56055327	58.35	0.0001	6	73104.56899551	22.39	0.0001
BT	1	6506.20569231	11.96	0.0006	1	5706.84800859	10.49	0.0013
KB	1	286.74810238	0.53	0.4682	1	526.01822750	0.97	0.3260
BC	1	11.78906202	0.02	0.8830	1	0.22658956	0.00	0.9837
PH3	1	352.02180509	0.65	0.4216	1	1418.06917411	2.61	0.1071
DO3	1	3497.57490515	6.43	0.0116	1	3497.57490515	6.43	0.0116

APPENDIX V

OYSTER REEF DATA

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR1.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
CREPIDULA PLANA	1375	16.0744	16.0744
EURYPANOPEUS DEPRESSUS	896	10.4746	26.5490
ODOSTOMIA IMPRESSA	765	8.9432	35.4922
BRACHIDONTES EXUSTUS	725	8.4756	43.9677
FABRICIA SP.A	675	7.8910	51.8588
POLYDORA WEBSTERI	584	6.8272	58.6860
PLATYHELMINTHES SP.A	473	5.5296	64.2156
CRASSOSTREA VIRGINICA	392	4.5827	68.7982
PHYLLODOCE CASTANEA	341	3.9864	72.7847
CERITHIOPSIS GREENI	298	3.4838	76.2684
XANTHIDAE SPP.	183	2.1394	78.4078
MELITA "COMPLEX"	176	2.0575	80.4653
ANTHOZOA SPP.	167	1.9523	82.4176
PETROLISTHES ARMATUS	146	1.7068	84.1244
HYDRACARINA SPP.	133	1.5548	85.6792
ANACHIS OBESA.OSTREICOLA	120	1.4029	87.0821
HYALE SP.B=CF.PLUMOSA	83	0.9703	88.0524
NEANTHES SUCCINEA	71	0.8300	88.8824
SEILA ADAMSI	71	0.8300	89.7124
OPISTHOSYLLIS SP. B	67	0.7833	90.4957
HARGERIA RAPAX	65	0.7599	91.2556
ANURIDA MARTIMA	63	0.7365	91.9921
OLIGOCHAETA SPP.	54	0.6313	92.6233
NEMERTINA	47	0.5495	93.1728
SIPUNCULA SPP.	45	0.5261	93.6989
CHIRONOMIDAE	40	0.4676	94.1665
PLATYHELMINTHES SP.B	35	0.4092	94.5756
HYDROIDES DIANTHUS	27	0.3156	94.8913
CAPITELLA CAPITATA	26	0.3040	95.1952
FILOGRANA IMPLEXA	25	0.2923	95.4875
COPEPODA SPP.	24	0.2806	95.7681
PAGURUS MACLAUGHLINAE	21	0.2455	96.0136
CYMADUSA COMPTA	20	0.2338	96.2474
NEREIDAE SPP.	20	0.2338	96.4812
TANAIS CAVOLINII	18	0.2104	96.6916
HAPLOSYLLIS SPONGICOLA	18	0.2104	96.9020
STREBLOSOMA HARTMANAE	16	0.1870	97.0891
ELASMOPUS LEVIS	16	0.1870	97.2761
EXCORALLANA QUADRICORNIS	14	0.1637	97.4398
LEPIDAMETRIA COMMENSALIS	13	0.1520	97.5918
CAECUM PULCHELLUM	12	0.1403	97.7321
PALAEMON FLORIDANUS	12	0.1403	97.8723
ISCHADIUM RECURVUM	11	0.1286	98.0009
EXOGENE DISPAR	11	0.1286	98.1295
STYELA PARTITA	11	0.1286	98.2581
BRANIA CLAVATA	11	0.1286	98.3867
COROPHIUM ACHERUSICUM	10	0.1169	98.5036
MEDIOMASTUS CALIFORNIENSIS	10	0.1169	98.6205

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR1.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
GITANOPSIS SPP.	9	0.1052	98.7257
CERITHIUM EBURNEUM	8	0.0935	98.8193
COROPHIUM LACUSTRE	7	0.0818	98.9011
PAGURIDAE SPP.	6	0.0701	98.9712
BALANUS EBURNEUS	6	0.0701	99.0414
TANAIDACEA SPP.	6	0.0701	99.1115
CREPIDULA MACULOSA	6	0.0701	99.1817
COLOMASTIX HALICHONDRIAE	4	0.0468	99.2284
TYPOSYLLIS CF.LUTEA	3	0.0351	99.2635
LEUCOTHOE CF.SPINICARPA	3	0.0351	99.2986
CAPRELLA PENANTIS	3	0.0351	99.3336
ODONTOSYLLIS ENOPLA	3	0.0351	99.3687
MITRELLA LUNATA	3	0.0351	99.4038
RISSOINA CATESBYANA	3	0.0351	99.4389
POLYCITORINAE	3	0.0351	99.4739
PANOPEUS HERBSTII	2	0.0234	99.4973
CARIDEA ZOEA	2	0.0234	99.5207
LEMBOS SMITHI	2	0.0234	99.5441
CAPRELLA SPP.	2	0.0234	99.5675
ASCIDACEA SP.	2	0.0234	99.5908
EUNICIDAE SPP.	2	0.0234	99.6142
PAGURUS STIMPSONI	2	0.0234	99.6376
BATEA CF.CATHARINENSIS	2	0.0234	99.6610
HALMYRAPSEUDES CF.CUBANENSIS	1	0.0117	99.6727
AUTOLYTUS DENTALIUS	1	0.0117	99.6844
MICRODEUTOPUS MYERSI	1	0.0117	99.6960
NUDIBRANCHIA SPP.	1	0.0117	99.7077
HEMIAEGINA MINUTA	1	0.0117	99.7194
POLYCIRRUS SP.	1	0.0117	99.7311
MELITA APPENDICULATA	1	0.0117	99.7428
MYRIOCHELE OCULATA	1	0.0117	99.7545
SPHAEROSYLLIS TAYLORI	1	0.0117	99.7662
EUPLANA GRACILIS	1	0.0117	99.7779
ERICTHONIUS BRASILIENSIS	1	0.0117	99.7896
MARPHYSA SANGUINEA	1	0.0117	99.8013
SABELLARIA VULGARIS	1	0.0117	99.8130
BOCCARDIELLA HAMATA	1	0.0117	99.8246
EXCORALLANA SPP.	1	0.0117	99.8363
EHLERSIA CORNUTA	1	0.0117	99.8480
EXCORALLANA TRICORNIS	1	0.0117	99.8597
CLYMENELLA TORQUATA	1	0.0117	99.8714
HYPSOBLENNIUS HENTZI	1	0.0117	99.8831
CHASMODES SABURRAE	1	0.0117	99.8948
ARACHNIDA SP.	1	0.0117	99.9065
MUSCULUS LATERALIS	1	0.0117	99.9182
MYSELLA PLANULATA	1	0.0117	99.9299
COROPHIUM SPP.	1	0.0117	99.9415

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR1.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
GASTROPODA SPP.	1	0.0117	99.9532
ISOPODA SPP.	1	0.0117	99.9649
MOLGULIDAE SP.	1	0.0117	99.9766
GRANDIDIERELLA BONNIEROIDES	1	0.0117	99.9883
THYSANOPTERA SP.	1	0.0117	100.0000

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR2.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
CREPIDULA PLANA	2980	22.8352	22.8352
BRACHIDONTES EXUSTUS	2410	18.4674	41.3027
ODOSTOMIA IMPRESSA	1053	8.0690	49.3716
EURYPANOPEUS DEPRESSUS	1047	8.0230	57.3946
PHYLLODOCE CASTANEA	1038	7.9540	65.3487
ANTHOZOA SPP.	676	5.1801	70.5287
CRASSOSTREA VIRGINICA	522	4.0000	74.5287
PLATYHELMINTHES SP.A	425	3.2567	77.7854
FABRICIA SP.A	342	2.6207	80.4061
XANTHIDAE SPP.	290	2.2222	82.6284
POLYDORA WEBSTERI	218	1.6705	84.2989
CHIRONOMIDAE	192	1.4713	85.7701
HYALE SP.B=CF.PLUMOSA	187	1.4330	87.2031
MELITA "COMPLEX"	185	1.4176	88.6207
PETROLISTHES ARMATUS	174	1.3333	89.9540
OPISTHOSYLLIS SP. B	172	1.3180	91.2720
ANACHIS OBESA.OSTREICOLA	156	1.1954	92.4674
CERITHIOPSIS GREENI	136	1.0421	93.5096
NEANTHES SUCCINEA	136	1.0421	94.5517
ANURIDA MARTIMA	113	0.8659	95.4176
NEMERTINA	69	0.5287	95.9464
ELASMOPUS LEVIS	66	0.5057	96.4521
PLATYHELMINTHES SP.B	65	0.4981	96.9502
MEDIOMASTUS CALIFORNIENSIS	47	0.3602	97.3103
SEILA ADAMSI	33	0.2529	97.5632
TANAIS CAVOLINII	33	0.2529	97.8161
CYMADUSA COMPTA	31	0.2375	98.0536
CAPRELLA EQUILIBRA	26	0.1992	98.2529
PORCELLANIDAE SPP.	20	0.1533	98.4061
COROPHIUM ACHERUSICUM	20	0.1533	98.5594
COROPHIUM LACUSTRE	15	0.1149	98.6743
STYELA PARTITA	13	0.0996	98.7739
OLIGOCHAETA SPP.	12	0.0920	98.8659
CAPITELLA CAPITATA	12	0.0920	98.9579
PARACAPRELLA TENUIS	10	0.0766	99.0345
ISCHADIUM RECURVUM	8	0.0613	99.0958
EXOGENE DISPAR	7	0.0536	99.1494
MITRELLA LUNATA	7	0.0536	99.2031
GOBIOSOMA ROBUSTUM	6	0.0460	99.2490
PARACERCEIS CAUDATA	6	0.0460	99.2950
SIPUNCULA SPP.	6	0.0460	99.3410
STREBLOSPIO BENEDICTI	6	0.0460	99.3870
HYDROIDES DIANTHUS	5	0.0383	99.4253
NUDIBRANCHIA SPP.	5	0.0383	99.4636
PALAEMON FLORIDANUS	4	0.0307	99.4943
HARGERIA RAPAX	4	0.0307	99.5249

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR2.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
SABELLARIA VULGARIS	3	0.0230	99.5479
BRANIA CLAVATA	3	0.0230	99.5709
TYPOSYLLIS CF.LUTEA	3	0.0230	99.5939
EHLERSIA CORNUTA	3	0.0230	99.6169
STREBLOSOMA HARTMANAE	2	0.0153	99.6322
EXCORALLANA TRICORNIS	2	0.0153	99.6475
LEMBOS SMITHI	2	0.0153	99.6628
CREPIDULA MACULOSA	2	0.0153	99.6782
COROPHIUM SIMILE	2	0.0153	99.6935
BERGHIA SP.A	2	0.0153	99.7088
CAPRELLA SPP.	2	0.0153	99.7241
EUPLANA GRACILIS	2	0.0153	99.7395
AMPHILOCHIDAE SPP.	2	0.0153	99.7548
COLOMASTIX HALICHONDRIAE	2	0.0153	99.7701
POLYDORA SPP.	2	0.0153	99.7854
LEUCOTHOE CF.SPINICARPA	2	0.0153	99.8008
GAMMARUS MUCRONATUS	1	0.0077	99.8084
AMAEANA TRILOBATA	1	0.0077	99.8161
BOCCARDIELLA HAMATA	1	0.0077	99.8238
EUNICIDAE SPP.	1	0.0077	99.8314
STYLOCHUS SP.	1	0.0077	99.8391
NEREIS PELAGICA	1	0.0077	99.8467
GITANOPSIS SPP.	1	0.0077	99.8544
AUTOLYTUS DENTALIUS	1	0.0077	99.8621
MYRIOCHELE OCULATA	1	0.0077	99.8697
POLYPLACOPHORA SPP.	1	0.0077	99.8774
GRANDIDIERELLA BONNIEROIDES	1	0.0077	99.8851
ODONTOSYLLIS ENOPLA	1	0.0077	99.8927
SYLLIDAE SPP.	1	0.0077	99.9004
HYDRACARINA SPP.	1	0.0077	99.9080
BIVALVIA SPP.	1	0.0077	99.9157
CERITHIIDAE SPP.	1	0.0077	99.9234
CIROLANA SP.	1	0.0077	99.9310
COPEPODA SPP.	1	0.0077	99.9387
ISOTOMIDAE SP.	1	0.0077	99.9464
NOTAULAX PHAETAENIA	1	0.0077	99.9540
OLIVELLA SPP.	1	0.0077	99.9617
TANAIDACEA SPP.	1	0.0077	99.9693

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR3.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
EURYPANOPEUS DEPRESSUS	880	13.1030	13.1030
POLYDORA WEBSTERI	747	11.1227	24.2257
PHYLLODOCE CASTANEA	561	8.3532	32.5789
MELITA "COMPLEX"	459	6.8344	39.4133
FILOGRANA IMPLEXA	454	6.7600	46.1733
CREPIDULA PLANA	427	6.3580	52.5313
FABRICIA SP.A	386	5.7475	58.2787
CRASSOSTREA VIRGINICA	366	5.4497	63.7284
ODOSTOMIA IMPRESSA	364	5.4199	69.1483
HYALE SP.B=CF.PLUMOSA	310	4.6158	73.7641
PLATYHELMINTHES SP.A	188	2.7993	76.5634
BRACHIDONTES EXUSTUS	187	2.7844	79.3478
OPISTHOSYLLIS SP. B	177	2.6355	81.9833
CHIRONOMIDAE	167	2.4866	84.4699
GITANOPSIS SPP.	107	1.5932	86.0631
ELASMOPUS LEVIS	96	1.4294	87.4926
CYMADUSA COMPTA	94	1.3996	88.8922
NEANTHES SUCCINEA	83	1.2359	90.1281
XANTHIDAE SPP.	70	1.0423	91.1703
BRANIA CLAVATA	64	0.9529	92.1233
COROPHIUM ACHERUSICUM	63	0.9381	93.0613
NEMERTINA	57	0.8487	93.9101
PETROLISTHES ARMATUS	55	0.8189	94.7290
TYPOSYLLIS CF.LUTEA	54	0.8041	95.5331
MITRELLA LUNATA	40	0.5956	96.1286
PLATYHELMINTHES SP.B	23	0.3425	96.4711
ANTHOZOA SPP.	22	0.3276	96.7987
STREBLOSOMA HARTMANAE	21	0.3127	97.1114
POLYDORA SOCIALIS	16	0.2382	97.3496
DIASTOMA VARIUM	13	0.1936	97.5432
EHLERSIA CORNUTA	13	0.1936	97.7367
OLIGOCHAETA SPP.	12	0.1787	97.9154
HEMIAEGINA MINUTA	11	0.1638	98.0792
CAPITELLA CAPITATA	10	0.1489	98.2281
COROPHIUM LACUSTRE	9	0.1340	98.3621
STREBLOSPIO BENEDICTI	8	0.1191	98.4812
HYDROIDES DIANTHUS	7	0.1042	98.5855
NAINERIS BICORNIS	7	0.1042	98.6897
COPEPODA SPP.	7	0.1042	98.7939
BOCCARDIELLA HAMATA	6	0.0893	98.8833
CAPRELLA SPP.	5	0.0744	98.9577
ANACHIS OBESA.OSTREICOLA	4	0.0596	99.0173
PANOPEUS HERBSTII	4	0.0596	99.0768
ERICTHONIUS BRASILIENSIS	4	0.0596	99.1364
CERITHIOPSIS GREENI	4	0.0596	99.1960
EXOGENE DISPAR	4	0.0596	99.2555
TANAIS CAVOLINII	3	0.0447	99.3002
COROPHIUM ACUTUM	3	0.0447	99.3448

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR3.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
GRANDIDIERELLA BONNIEROIDES	3	0.0447	99.3895
STILIGER(ERCOLANIA) SP.	3	0.0447	99.4342
PALAEMON FLORIDANUS	3	0.0447	99.4789
NUDIBRANCHIA SPP.	3	0.0447	99.5235
SABELLIDAE SPP.	2	0.0298	99.5533
EUNICIDAE SPP.	2	0.0298	99.5831
AMPHILOCHIDAE SPP.	2	0.0298	99.6129
AUTOLYTUS DENTALIUS	2	0.0298	99.6426
STYELA PARTITA	2	0.0298	99.6724
ISCHADIUM RECURVUM	1	0.0149	99.6873
PODOCERUS SPP.	1	0.0149	99.7022
HARGERIA RAPAX	1	0.0149	99.7171
SCHISTOMERINGOS RUDOLPHI	1	0.0149	99.7320
CAPRELLA EQUILIBRA	1	0.0149	99.7469
STENOTHOE SPP.	1	0.0149	99.7618
SABELLARIA SPP.	1	0.0149	99.7767
SABELLARIA VULGARIS	1	0.0149	99.7915
CREPIDULA MACULOSA	1	0.0149	99.8064
POLYDORA SPP.	1	0.0149	99.8213
LEPIDAMETRIA COMMENSALIS	1	0.0149	99.8362
POLYCITORINAE	1	0.0149	99.8511
PANANTHURA FORMOSA	1	0.0149	99.8660
TURBONILLA SPP.	1	0.0149	99.8809
AMAEANA TRILOBATA	1	0.0149	99.8958
CHONE AMERICANA	1	0.0149	99.9107
INSECTA SPP.	1	0.0149	99.9256
ISOTOMIDAE SP.	1	0.0149	99.9404
NOTAULAX PHAETAENIA	1	0.0149	99.9553
LUMBRINERIS VERRILLI	1	0.0149	99.9702
TEREBELLIDAE SPP.	1	0.0149	99.9851
THYSANOPTERA SP.	1	0.0149	100.0000

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR4.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
COROPHIUM ACHERUSICUM	1015	33.1266	33.1266
POLYDORA WEBSTERI	550	17.9504	51.0770
EURYPANOPEUS DEPRESSUS	481	15.6984	66.7755
NEANTHES SUCCINEA	192	6.2663	73.0418
ANURIDA MARTIMA	111	3.6227	76.6645
TYPOSYLLIS CF.LUTEA	108	3.5248	80.1893
GITANOPSIS SPP.	102	3.3290	83.5183
MELITA "COMPLEX"	90	2.9373	86.4556
EHLERSIA CORNUTA	52	1.6971	88.1527
GRANDIDIERELLA BONNIEROIDES	35	1.1423	89.2950
CREPIDULA PLANA	30	0.9791	90.2742
OLIGOCHAETA SPP.	24	0.7833	91.0574
MARPHYSA SANGUINEA	22	0.7180	91.7755
FABRICIA SP.A	20	0.6527	92.4282
BRACHIDONTES EXUSTUS	20	0.6527	93.0809
PETROLISTHES ARMATUS	19	0.6201	93.7010
COPEPODA SPP.	16	0.5222	94.2232
STREBLOSPIO BENEDICTI	14	0.4569	94.6802
EUNICIDAE SPP.	14	0.4569	95.1371
HYALE SP.B=CF.PLUMOSA	12	0.3916	95.5287
HAPLOSCOLOPLOS FOLIOSUS	11	0.3590	95.8877
XANTHIDAE SPP.	11	0.3590	96.2467
SPIONIDAE SPP.	10	0.3264	96.5731
ODOSTOMIA IMPRESSA	9	0.2937	96.8668
PANOPEUS HERBSTII	8	0.2611	97.1279
CAPRELLA EQUILIBRA	7	0.2285	97.3564
PHYLLODOCE CASTANEA	6	0.1958	97.5522
CRASSOSTREA VIRGINICA	5	0.1632	97.7154
COROPHIUM LOUISIANUM	5	0.1632	97.8786
TANAIS CAVOLINII	5	0.1632	98.0418
PLATYHELMINTHES SP.A	4	0.1305	98.1723
NEMERTINA	4	0.1305	98.3029
OPISTHOSYLLIS SP. B	3	0.0979	98.4008
CHIRONOMIDAE	3	0.0979	98.4987
PLATYHELMINTHES SP.B	3	0.0979	98.5966
ISCHADIUM RECURVUM	3	0.0979	98.6945
TYPOSYLLIS SPP.	2	0.0653	98.7598
CAPITELLA CAPITATA	2	0.0653	98.8251
SPHAEROSYLLIS LONGICAUDA	2	0.0653	98.8903
EXOGENE DISPAR	2	0.0653	98.9556
HAPLOSCOLOPLOS FRAGILIS	2	0.0653	99.0209
MAERA CF.WILLIAMSI	2	0.0653	99.0862
ARGULUS SPP.	2	0.0653	99.1514
COROPHIUM SPP.	2	0.0653	99.2167
BOCCARDIELLA HAMATA	1	0.0326	99.2493
HYDRACARINA SPP.	1	0.0326	99.2820
BATEA CF.CATHARINENSIS	1	0.0326	99.3146

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR4.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
CYMODOCE FAXONI	1	0.0326	99.3473
PARACERCEIS CAUDATA	1	0.0326	99.3799
MEDIOMASTUS CALIFORNIENSIS	1	0.0326	99.4125
SABELLARIA VULGARIS	1	0.0326	99.4452
ELASMOPUS LEVIS	1	0.0326	99.4778
SPHAEROSYLLIS TAYLORI	1	0.0326	99.5104
HARGERIA RAPAX	1	0.0326	99.5431
SCOLOPLOS TEXANA	1	0.0326	99.5757
CHONE AMERICANA	1	0.0326	99.6084
CARIDEA ZOEA	1	0.0326	99.6410
PALAEMON FLORIDANUS	1	0.0326	99.6736
LUMBRINERIS VERRILLI	1	0.0326	99.7063
MITRELLA LUNATA	1	0.0326	99.7389
COROPHIUM LACUSTRE	1	0.0326	99.7715
STENOTHOE CF.GALLENSIS	1	0.0326	99.8042
ERICTHONIUS SPP.	1	0.0326	99.8368
ERICTHONIUS BRASILIENSIS	1	0.0326	99.8695
STYLOCHUS SP.	1	0.0326	99.9021
CRUSTACEA SPP.	1	0.0326	99.9347
CYCLASPIS SP.A	1	0.0326	99.9674

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR5.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
POLYDORA WEBSTERI	979	31.9413	31.9413
EURYPANOPEUS DEPRESSUS	415	13.5400	45.4812
COROPHIUM ACHERUSICUM	260	8.4829	53.9641
ANURIDA MARTIMA	259	8.4502	62.4144
NEANTHES SUCCINEA	159	5.1876	67.6020
MELITA "COMPLEX"	150	4.8940	72.4959
BRACHIDONTES EXUSTUS	108	3.5237	76.0196
EHLERSIA CORNUTA	95	3.0995	79.1191
CREPIDULA PLANA	79	2.5775	81.6966
TYPOSYLLIS CF.LUTEA	71	2.3165	84.0131
OLIGOCHAETA SPP.	61	1.9902	86.0033
ARICIDEA PHILBINAE	53	1.7292	87.7325
XANTHIDAE SPP.	50	1.6313	89.3638
MARPHYSA SANGUINEA	43	1.4029	90.7667
CRASSOSTREA VIRGINICA	29	0.9462	91.7129
PETROLISTHES ARMATUS	26	0.8483	92.5612
PLATYHELMINTHES SP.A	22	0.7178	93.2790
ODOSTOMIA IMPRESSA	22	0.7178	93.9967
GRANDIDIERELLA BONNIEROIDES	17	0.5546	94.5514
STREBLOSPIO BENEDICTI	14	0.4568	95.0082
PHYLLODOCE CASTANEA	13	0.4241	95.4323
EUNICIDAE SPP.	12	0.3915	95.8238
HAPLOSCOLOPLOS FOLIOSUS	11	0.3589	96.1827
FABRICIA SP.A	9	0.2936	96.4763
HYALE SP.B=CF.PLUMOSA	8	0.2610	96.7374
BOCCARDIELLA HAMATA	7	0.2284	96.9657
COPEPODA SPP.	7	0.2284	97.1941
COROPHIUM SPP.	7	0.2284	97.4225
CAPITELLA CAPITATA	6	0.1958	97.6183
CAPRELLA EQUILIBRA	5	0.1631	97.7814
COROPHIUM TUBERCULATUM	5	0.1631	97.9445
ERICTHONIUS SPP.	4	0.1305	98.0750
HYDROIDES DIANTHUS	3	0.0979	98.1729
CARIDEA ZOEA	3	0.0979	98.2708
CHIRONOMIDAE	3	0.0979	98.3687
PLATYHELMINTHES SP.B	3	0.0979	98.4666
OPISTHOSYLLIS SP. B	3	0.0979	98.5644
SABELLARIA VULGARIS	3	0.0979	98.6623
LEMBOS SMITHI	3	0.0979	98.7602
BATEA CF.CATHARINENSIS	3	0.0979	98.8581
MEDIOMASTUS CALIFORNIENSIS	3	0.0979	98.9560
SYLLIDAE SPP.	2	0.0653	99.0212
GITANOPSIS SPP.	2	0.0653	99.0865
PODOCERUS SPP.	2	0.0653	99.1517
ISOTOMIDAE SP.	2	0.0653	99.2170
HARGERIA RAPAX	2	0.0653	99.2822

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR5.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
POLYDORA SPP.	2	0.0653	99.3475
THARYX CF. DORSOBRANCHIALIS	2	0.0653	99.4127
BRACHYURA SPP.	2	0.0653	99.4780
STENOTHOE SPP.	1	0.0326	99.5106
PERICLIMENES LONGICAUDATUS	1	0.0326	99.5432
CYCLASPIS SP.A	1	0.0326	99.5759
HYDRACARINA SPP.	1	0.0326	99.6085
PANOPEUS HERBSTII	1	0.0326	99.6411
COROPHIUM LACUSTRE	1	0.0326	99.6737
CERITHIOPSIS GREENI	1	0.0326	99.7064
SEILA ADAMSI	1	0.0326	99.7390
EXOGENE DISPAR	1	0.0326	99.7716
ISOPODA SPP.	1	0.0326	99.8042
LYSIANOPSIS CF.ALBA	1	0.0326	99.8369
NAINERIS LAEVIGATA	1	0.0326	99.8695
PALAEMONIDAE SP.	1	0.0326	99.9021
PORCELLANIDAE SPP.	1	0.0326	99.9347
THYSANOPTERA SP.	1	0.0326	99.9674
STYLOCHUS SP.	1	0.0326	100.0000

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR6.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
POLYDORA WEBSTERI	1708	32.8398	32.8398
EURYPANOPEUS DEPRESSUS	821	15.7854	48.6253
MELITA "COMPLEX"	431	8.2869	56.9121
HYALE SP.B=CF.PLUMOSA	419	8.0561	64.9683
BRACHIDONTES EXUSTUS	338	6.4988	71.4670
PLATYHELMINTHES SP.A	287	5.5182	76.9852
PHYLLODOCE CASTANEA	164	3.1532	80.1384
PETROLISTHES ARMATUS	106	2.0381	82.1765
CRASSOSTREA VIRGINICA	89	1.7112	83.8877
NEANTHES SUCCINEA	85	1.6343	85.5220
XANTHIDAE SPP.	85	1.6343	87.1563
COROPHIUM ACHERUSICUM	81	1.5574	88.7137
TYPOSYLLIS CF.LUTEA	65	1.2498	89.9635
FABRICIA SP.A	60	1.1536	91.1171
OPISTHOSYLLIS SP. B	53	1.0190	92.1361
GITANOPSIS SPP.	43	0.8268	92.9629
EHLERSIA CORNUTA	40	0.7691	93.7320
ANURIDA MARTIMA	39	0.7499	94.4818
CREPIDULA PLANA	37	0.7114	95.1932
OLIGOCHAETA SPP.	34	0.6537	95.8470
NEMERTINA	27	0.5191	96.3661
ANTHOZOA SPP.	26	0.4999	96.8660
CAPITELLA CAPITATA	16	0.3076	97.1736
ISCHADIUM RECURVUM	16	0.3076	97.4813
CHIRONOMIDAE	14	0.2692	97.7504
ODOSTOMIA IMPRESSA	10	0.1923	97.9427
PANOPEUS HERBSTII	10	0.1923	98.1350
STREBLOSPIO BENEDICTI	10	0.1923	98.3272
PALAEMON FLORIDANUS	8	0.1538	98.4811
STREBLOSOMA HARTMANAE	7	0.1346	98.6157
HYDROIDES DIANTHUS	5	0.0961	98.7118
CHTHAMALUS FRAGILIS	4	0.0769	98.7887
BOCCARDIELLA HAMATA	4	0.0769	98.8656
EUNICIDAE SPP.	4	0.0769	98.9425
MITRELLA LUNATA	3	0.0577	99.0002
LEPIDAMETRIA COMMENSALIS	3	0.0577	99.0579
MEDIOMASTUS CALIFORNIENSIS	3	0.0577	99.1156
TYPOSYLLIS SPP.	3	0.0577	99.1732
ARACHNIDA SP.	3	0.0577	99.2309
COROPHIUM SPP.	2	0.0385	99.2694
ELASMOPUS LEVIS	2	0.0385	99.3078
PORCELLANIDAE SPP.	2	0.0385	99.3463
COPEPODA SPP.	2	0.0385	99.3847
SCHISTOMERINGOS RUDOLPHI	2	0.0385	99.4232
THARYX CF. DORSOBRANCHIALIS	2	0.0385	99.4616
BRACHYURA SPP.	2	0.0385	99.5001

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR6.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
CYMADUSA COMPTA	2	0.0385	99.5386
ANTHURIDAE SP.A	1	0.0192	99.5578
ACTEOCINA CANALICULATA	1	0.0192	99.5770
HYDRACARINA SPP.	1	0.0192	99.5962
PERICLIMENES LONGICAUDATUS	1	0.0192	99.6155
CYCLASPIS SP.A	1	0.0192	99.6347
ALPHEUS ARMILLATUS	1	0.0192	99.6539
UPOGEBIA AFFINIS	1	0.0192	99.6731
SYLLIDAE SPP.	1	0.0192	99.6924
SPHAEROSYLLIS LONGICAUDA	1	0.0192	99.7116
BATEA CF.CATHARINENSIS	1	0.0192	99.7308
CAECUM STRIGOSUM	1	0.0192	99.7500
MENIPPE MERCENARIA	1	0.0192	99.7693
ERICTHONIUS SPP.	1	0.0192	99.7885
SIPUNCULA SPP.	1	0.0192	99.8077
GOBIESOX STRUMOSUS	1	0.0192	99.8270
NUDIBRANCHIA SPP.	1	0.0192	99.8462
STENOTHOE CF.GALLENSIS	1	0.0192	99.8654
PARACAPRELLA PUSILLA	1	0.0192	99.8846
STYLOCHUS SP.	1	0.0192	99.9039
COROPHIIDAE SPP.	1	0.0192	99.9231
LYSIANASSIDAE SP.	1	0.0192	99.9423
POLYNOIDAE SPP.	1	0.0192	99.9615
BRANIA CLAVATA	1	0.0192	99.9808
ODONTOSYLLIS ENOPLA	1	0.0192	100.0000

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR7.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
POLYDORA WEBSTERI	1084	13.4458	13.4458
EURYPANOPEUS DEPRESSUS	1001	12.4163	25.8621
BRACHIDONTES EXUSTUS	728	9.0300	34.8921
FABRICIA SP.A	700	8.6827	43.5748
PHYLLODOCE CASTANEA	513	6.3632	49.9380
CHIRONOMIDAE	479	5.9415	55.8794
HYALE SP.B=CF.PLUMOSA	408	5.0608	60.9402
CRASSOSTREA VIRGINICA	352	4.3662	65.3064
PLATYHELMINTHES SP.A	350	4.3414	69.6477
MELITA "COMPLEX"	334	4.1429	73.7906
ODOSTOMIA IMPRESSA	288	3.5723	77.3629
TANAIS CAVOLINII	287	3.5599	80.9228
PETROLISTHES ARMATUS	192	2.3815	83.3044
ANACHIS OBESA.OSTREICOLA	134	1.6621	84.9665
CREPIDULA PLANA	132	1.6373	86.6038
CARIDEA ZOEA	131	1.6249	88.2287
XANTHIDAE SPP.	117	1.4513	89.6800
NEANTHES SUCCINEA	115	1.4264	91.1064
OPISTHOSYLLIS SP. B	85	1.0543	92.1608
NEMERTINA	81	1.0047	93.1655
ANURIDA MARTIMA	67	0.8311	93.9965
CAPRELLA PENANTIS	53	0.6574	94.6539
CAPITELLA CAPITATA	51	0.6326	95.2865
ISCHADIUM RECURVUM	42	0.5210	95.8075
PLATYHELMINTHES SP.B	30	0.3721	96.1796
COROPHIUM ACHERUSICUM	29	0.3597	96.5393
EXOGENE DISPAR	28	0.3473	96.8866
HYDROIDES DIANTHUS	27	0.3349	97.2215
ELASMOPUS LEVIS	27	0.3349	97.5564
MITRELLA LUNATA	27	0.3349	97.8913
GITANOPSIS SPP.	24	0.2977	98.1890
TYPOSYLLIS CF.LUTEA	18	0.2233	98.4123
STREBLOSPIO BENEDICTI	18	0.2233	98.6356
CERITHIOPSIS GREENI	17	0.2109	98.8464
COROPHIUM LACUSTRE	10	0.1240	98.9705
COROPHIUM SPP.	9	0.1116	99.0821
EHLERSIA CORNUTA	8	0.0992	99.1813
STREBLOSOMA HARTMANAE	5	0.0620	99.2434
HARGERIA RAPAX	4	0.0496	99.2930
COPEPODA SPP.	4	0.0496	99.3426
TANAIDACEA SPP.	4	0.0496	99.3922
BOCCARDIELLA HAMATA	4	0.0496	99.4418
MEDIOMASTUS CALIFORNIENSIS	4	0.0496	99.4914
OLIGOCHAETA SPP.	3	0.0372	99.5287
PALAEMON FLORIDANUS	3	0.0372	99.5659
GOBIESOX STRUMOSUS	3	0.0372	99.6031
CYMADUSA COMPTA	2	0.0248	99.6279

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR7.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
ARACHNIDA SP.	2	0.0248	99.6527
ODONTOSYLLIS ENOPLA	2	0.0248	99.6775
HYDRACARINA SPP.	2	0.0248	99.7023
STYLOCHUS SP.	2	0.0248	99.7271
PANOPEUS HERBSTII	2	0.0248	99.7519
ERICTHONIUS BRASILIENSIS	2	0.0248	99.7767
SPHAEROSYLLIS LONGICAUDA	2	0.0248	99.8015
GAMMARUS MUCRONATUS	1	0.0124	99.8139
STENOTHOE SPP.	1	0.0124	99.8263
PARACERCEIS CAUDATA	1	0.0124	99.8387
LEPIDAMETRIA COMMENSALIS	1	0.0124	99.8512
SEILA ADAMSI	1	0.0124	99.8636
OPSANUS BETA	1	0.0124	99.8760
SCHISTOMERINGOS RUDOLPHI	1	0.0124	99.8884
GOBIOSOMA ROBUSTUM	1	0.0124	99.9008
POLYDORA SPP.	1	0.0124	99.9132
NUDIBRANCHIA SPP.	1	0.0124	99.9256
SYLLIDAE SPP.	1	0.0124	99.9380
GAMMARIDAE SPP.	1	0.0124	99.9504
GAMMARIDAE SP. B	1	0.0124	99.9628
PODOCERIDAE SP.	1	0.0124	99.9752
CYCLASPIS SP.A	1	0.0124	99.9876
AUTOLYTUS DENTALIUS	1	0.0124	100.0000

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR8.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
ODOSTOMIA IMPRESSA	1263	21.4832	21.4832
POLYDORA WEBSTERI	963	16.3803	37.8636
MELITA "COMPLEX"	849	14.4412	52.3048
ISCHADIUM RECURVUM	584	9.9337	62.2385
CRASSOSTREA VIRGINICA	431	7.3312	69.5697
NEANTHES SUCCINEA	388	6.5998	76.1694
CREPIDULA PLANA	207	3.5210	79.6904
FABRICIA SP.A	167	2.8406	82.5310
HYALE SP.B=CF.PLUMOSA	126	2.1432	84.6743
XANTHIDAE SPP.	112	1.9051	86.5794
GITANOPSIS SPP.	109	1.8541	88.4334
PHYLLODOCE CASTANEA	81	1.3778	89.8112
CHIRONOMIDAE	78	1.3268	91.1379
BRACHIDONTES EXUSTUS	55	0.9355	92.0735
PETROLISTHES ARMATUS	53	0.9015	92.9750
COROPHIUM LOUISIANUM	42	0.7144	93.6894
PLATYHELMINTHES SP.B	41	0.6974	94.3868
STREBLOSPIO BENEDICTI	41	0.6974	95.0842
HARGERIA RAPAX	38	0.6464	95.7306
ANTHOZOA SPP.	37	0.6294	96.3599
BOCCARDIELLA HAMATA	36	0.6123	96.9723
TANAIS CAVOLINII	24	0.4082	97.3805
NEMERTINA	21	0.3572	97.7377
CAPITELLA CAPITATA	21	0.3572	98.0949
CERITHIOPSIS GREENI	17	0.2892	98.3841
ANURIDA MARTIMA	17	0.2892	98.6732
OPISTHOSYLLIS SP. B	7	0.1191	98.7923
MITRELLA LUNATA	7	0.1191	98.9114
COROPHIUM LACUSTRE	7	0.1191	99.0304
COROPHIUM ACHERUSICUM	7	0.1191	99.1495
PLATYHELMINTHES SP.A	6	0.1021	99.2516
NEREIDAE SPP.	6	0.1021	99.3536
TANAIDACEA SPP.	3	0.0510	99.4047
HYDRACARINA SPP.	3	0.0510	99.4557
DIASTOMA VARIUM	3	0.0510	99.5067
TYPOSYLLIS CF.LUTEA	3	0.0510	99.5577
CYMADUSA COMPTA	3	0.0510	99.6088
COROPHIUM TUBERCULATUM	2	0.0340	99.6428
MARPHYSA SANGUINEA	2	0.0340	99.6768
EXOGENE DISPAR	2	0.0340	99.7108
CUMELLA SP.B	1	0.0170	99.7278
STYLOCHUS SP.	1	0.0170	99.7449
GAMMARUS MUCRONATUS	1	0.0170	99.7619
EHLERSIA CORNUTA	1	0.0170	99.7789
STENOTHOE SPP.	1	0.0170	99.7959
CAPRELLA SPP.	1	0.0170	99.8129
PALAEMON FLORIDANUS	1	0.0170	99.8299
MELAMPUS BIDENTATUS	1	0.0170	99.8469

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR8.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
POTAMILLA RENIFORMIS	1	0.0170	99.8639
PANOPEUS HERBSTII	1	0.0170	99.8809
CREPIDULA MACULOSA	1	0.0170	99.8979
CHASMODES SABURRAE	1	0.0170	99.9150
ARACHNIDA SP.	1	0.0170	99.9320
ANACHIS OBESA.OSTREICOLA	1	0.0170	99.9490
INSECTA SPP.	1	0.0170	99.9660
ELASMOPUS LEVIS	1	0.0170	99.9830
THYSANOPTERA SP.	1	0.0170	100.0000

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR9.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
EURYPANOPEUS DEPRESSUS	543	15.3390	15.3390
MELITA "COMPLEX"	415	11.7232	27.0621
POLYDORA WEBSTERI	398	11.2429	38.3051
ODOSTOMIA IMPRESSA	362	10.2260	48.5311
BRACHIDONTES EXUSTUS	272	7.6836	56.2147
CRASSOSTREA VIRGINICA	265	7.4859	63.7006
NEANTHES SUCCINEA	175	4.9435	68.6441
ISCHADIUM RECURVUM	125	3.5311	72.1751
CHIRONOMIDAE	119	3.3616	75.5367
BOCCARDIELLA HAMATA	115	3.2486	78.7853
STREBLOSPIO BENEDICTI	95	2.6836	81.4689
HYALE SP.B=CF.PLUMOSA	78	2.2034	83.6723
XANTHIDAE SPP.	66	1.8644	85.5367
COROPHIUM LACUSTRE	64	1.8079	87.3446
FABRICIA SP.A	62	1.7514	89.0960
ANURIDA MARTIMA	60	1.6949	90.7910
HARGERIA RAPAX	59	1.6667	92.4576
OLIGOCHAETA SPP.	43	1.2147	93.6723
PLATYHELMINTHES SP.B	36	1.0169	94.6893
COROPHIUM LOUISIANUM	34	0.9605	95.6497
PHYLLODOCE CASTANEA	26	0.7345	96.3842
CAPITELLA CAPITATA	25	0.7062	97.0904
GITANOPSIS SPP.	23	0.6497	97.7401
HYDRACARINA SPP.	13	0.3672	98.1073
CREPIDULA PLANA	10	0.2825	98.3898
COROPHIUM ACHERUSICUM	8	0.2260	98.6158
PETROLISTHES ARMATUS	7	0.1977	98.8136
TANAIS CAVOLINII	5	0.1412	98.9548
NEMERTINA	5	0.1412	99.0960
POLYDORA SPP.	4	0.1130	99.2090
ANTHOZOA SPP.	2	0.0565	99.2655
CAPRELLA EQUILIBRA	2	0.0565	99.3220
OPISTHOSYLLIS SP. B	2	0.0565	99.3785
GAMMARIDAE SP. A	2	0.0565	99.4350
CARIDEA ZOEA	2	0.0565	99.4915
POLYDORA LIGNI	2	0.0565	99.5480
ARGULUS SPP.	1	0.0282	99.5763
ELASMOPUS LEVIS	1	0.0282	99.6045
ORCHESTIA UHLERI	1	0.0282	99.6328
HAPLOSCOLOPLOS FRAGILIS	1	0.0282	99.6610
HALMYRAPSEUDES CF.CUBANENSIS	1	0.0282	99.6893
CAPRELLA SPP.	1	0.0282	99.7175
EXOGENE DISPAR	1	0.0282	99.7458
COROPHIUM SPP.	1	0.0282	99.7740
PANOPEUS HERBSTII	1	0.0282	99.8023
SESARMA CINEREUM	1	0.0282	99.8305
CYCLASPIS SP.A	1	0.0282	99.8588

OYSTER REEF ASSOCIATED FAUNA FROM STATION OR9.

Taxonomic Categories & Sample Parameters	Total No. Of Indiv.	Percent of All Counts	Cummul. Percent
ARACHNIDA SP.	1	0.0282	99.8870
BRACHYURA SPP.	1	0.0282	99.9153
GAMMARUS MUCRONATUS	1	0.0282	99.9435
GEUKENSIA DEMISSA.GRANOSISSIMA	1	0.0282	99.9718
CIRROPHORUS CF. FURCATUS	1	0.0282	100.0000

Oyster Reef Associated Fauna Taxa not enumerated. Presence (+) is indicated for each oyster station.

	STATION								
	1	2	3	4	5	6	7	8	9
Porifera spp.	+			+					
Lissodendoryx isodictyalis		+							
Cliona spp.	+	+	+			+			
Nematoda spp.	+	+	+	+	+	+	+	+	+
Chthamalus fragilis	+	+	+			+	+	+	
Balanus amphitrite			+	+		+			
Balanus eburneus	+	+	+		+	+	+		+
Balanus improvisus	+	+	+	+	+	+	+	+	+
Balanus venustus	+								
Semibalanus balanoides	+								
Polycitorinae sp.	+						+		+

AUGUST 1983

STATIONS

	1	2	3	4	5	6	7	8	9
1									
2	.55								
3	.33	.31							
4	.27	.22	.35						
5	.05	.04	.03	.21					
6	.14	.14	.55	.19	.40				
7	.44	.53	.30	.48	.04	.38			
8	.32	.31	.54	.45	.06	.33	.56		
9	.37	.52	.62	.35	.02	.20	.69	.75	

OCTOBER 1983

STATIONS

	1	2	3	4	5	6	7	8	9
1									
2	.83								
3	.65	.55							
4	.53	.23	.60						
5	.43	.25	.46	.84					
6	.62	.48	.53	.75	.64				
7	.67	.55	.66	.62	.53	.80			
8	.29	.23	.57	.41	.32	.25	.52		
9	.50	.24	.49	.71	.59	.65	.64	.50	

SEPTEMBER 1983

STATIONS

	1	2	3	4	5	6	7	8	9
1									
2	.77								
3	.71	.52							
4	.38	.26	.75						
5	.50	.47	.82	.89					
6	.50	.17	.67	.53	.48				
7	.72	.45	.90	.63	.66	.77			
8	.55	.45	.64	.44	.67	.54	.64		
9	.59	.48	.69	.45	.68	.40	.61	.85	

NOVEMBER 1983

STATIONS

	1	2	3	4	5	6	7	8	9
1									
2	.67								
3	.37	.19							
4	.36	.15	.73						
5	.28	.11	.67	.99					
6	.36	.15	.82	.48	.40				
7	.30	.14	.71	.25	.19	.77			
8	.25	.18	.32	.34	.34	.13	.11		
9	.25	.22	.42	.43	.44	.25	.20	.85	

0-.25
.26-.50
.51-.75
.76-.99

Trellis diagrams depicting faunal similarity between oyster reef associated fauna stations (Morisita's Index).

DECEMBER 1983

STATIONS

	1	2	3	4	5	6	7	8	9
1									
2	.62								
3	.48	.17							
4	.22	.15	.16						
5	.19	.10	.09	.87					
6	.25	.21	.55	.30	.24				
7	.51	.47	.41	.25	.15	.67			
8	.39	.22	.41	.22	.21	.60	.69		
9	.61	.77	.21	.23	.20	.35	.67	.51	

FEBRUARY 1984

STATIONS

	1	2	3	4	5	6	7	8	9
1									
2	.58								
3	.27	.24							
4	.48	.23	.26						
5	.40	.26	.25	.93					
6	.37	.25	.25	.86	.97				
7	.58	.40	.30	.89	.88	.86			
8	.74	.52	.35	.61	.57	.54	.75		
9	.48	.35	.20	.47	.33	.37	.59	.60	

JANUARY 1984

STATIONS

	1	2	3	4	5	6	7	8	9
1									
2	.66								
3	.34	.46							
4	.29	.17	.23						
5	.19	.24	.33	.45					
6	.11	.17	.27	.26	.13				
7	.53	.45	.63	.45	.32	.41			
8	.47	.32	.40	.36	.26	.41	.79		
9	.41	.27	.48	.36	.27	.20	.54	.70	

MARCH 1984

STATIONS

	1	2	3	4	5	6	7	8	9
1									
2	.38								
3	.35	.26							
4	.08	.05	.11						
5	.36	.30	.52	.26					
6	.40	.25	.26	.27	.50				
7	.36	.28	.57	.14	.68	.53			
8	.43	.12	.41	.11	.35	.35	.29		
9	.39	.17	.53	.18	.83	.37	.70	.49	

0-.25
.26-.50
.51-.75
.76-.99

Trellis diagrams depicting faunal similarity between oyster reef associated fauna stations (Morisita's Index).

APRIL 1984

STATIONS

	1	2	3	4	5	6	7	8	9
1									
2	.70								
3	.68	.72							
4	.01	.01	.13						
5	.10	.12	.33	.97					
6	.28	.25	.51	.32	.57				
7	.42	.46	.35	.02	.07	.15			
8	.40	.22	.40	.07	.22	.75	.25		
9	.25	.20	.46	.17	.47	.91	.14	.84	

JUNE 1984

STATIONS

	1	2	3	4	5	6	7	8	9
1									
2	.52								
3	.46	.29							
4	.12	.07	.33						
5	.23	.12	.37	.98					
6	.39	.23	.49	.88	.93				
7	.35	.29	.35	.46	.50	.62			
8	.37	.14	.64	.49	.53	.62	.35		
9	.49	.19	.52	.55	.61	.71	.40	.81	

MAY 1984

STATIONS

	1	2	3	4	5	6	7	8	9
1									
2	.89								
3	.83	.64							
4	.49	.44	.59						
5	.06	.56	.73	.74					
6	.29	.27	.37	.37	.45				
7	.65	.61	.78	.40	.48	.32			
8	.53	.48	.70	.67	.83	.75	.60		
9	.35	.37	.48	.38	.39	.85	.51	.77	

JULY 1984

STATIONS

	1	2	3	4	5	6	7	8	9
1									
2	.71								
3	.59	.28							
4	.57	.10	.35						
5	.63	.21	.38	.97					
6	.70	.50	.49	.42	.53				
7	.48	.70	.27	.17	.32	.48			
8	.67	.17	.79	.65	.67	.50	.18		
9	.60	.21	.41	.53	.57	.41	.27	.78	

0-.25
.26-.50
.51-.75
.76-.99

Trellis diagrams depicting faunal similarity between oyster reef associated fauna stations (Morisita's Index).

APPENDIX VI

THERMAL TOLERANCE INFORMATION FOR SIO

Thermal Tolerance Information for SIO

Bay Anchovy

In laboratory experiments using embryos taken from Biscayne Bay (Rebel, 1973) a total of 480 embryos were incubated at 32 temperatures from 13.2°C to 35.8°C. Under experimental conditions survival seldom exceeded 50 percent. Highest survival was at 25.6°C, while 100 percent mortality was seen at temperatures of 15.1°C and lower, and at 35.8°C. Survival increased from 13 to 21°C, remained relatively constant from 21 to 31°C, and declined rapidly from 31 to 35°C. There were no significant differences in survival among temperature classes from 18.6 to 32.5°C.

Under natural conditions, anchovies were taken in trawls in Copano and Aransas Bays at all times of the year in temperatures ranging from 8.1 to 33.2°C, and in salinities from 2.3 to 36.9 ppt (Gunter 1945). The species occurs within Tampa Bay at temperatures between 10.8 and 32.5°C (Springer & Woodburn 1960). In studies conducted in the area of a thermal discharge in Galveston Bay (Texas), bay anchovies were most abundant at temperatures between 24.5 and 33°C with reduced numbers up to 37°C (Gallaway & Strawn 1974). Laboratory experiments indicate higher temperature preferences at low salinities (4.0-4.5 ppt) than at high salinities (27-29 ppt) (Meldrim & Gift 1971); Terpin et al 1977). At high salinities (27-29 ppt), the acclimation temperature does not significantly affect the preference temperature (Terpin et al 1977). Salinity apparently does not affect avoidance temperatures (Meldrim & Gift 1971; Meldrim et al 1974; Terpin et al 1977). Avoidance temperatures increased directly in relation to acclimation temperatures below 20°C, but avoidance temperatures (30 to 33°C) were unrelated to their acclimation temperatures (20 to 27°C) (Meldrim & Gift 1971; Meldrim et al 1974; Terpin et al 1977).

Pigfish

Grimes and Mountain (1971) conducted thermal studies at Crystal River while two units were operating. They found the frequency of occurrence at thermally affected and unaffected sampling locations not to vary significantly, nor were there any statistically significant differences in growth of age 0 fish. Length frequency comparisons indicated no difference in age composition of the fish from affected and unaffected stations. Rulifson (1977) reports a direct correlation between time to impingement and temperature for young-of-the-year fish.

Pinfish

For larval and juvenile pinfish acclimated to 15°C, critical thermal maxima are 31.0°C and 29.4°C (Hoss, Coston and Hettler 1971). During thermal studies at Crystal River, Grimes and Mountain (1971) reported no difference in frequency of occurrence between thermally affected and nonaffected areas, although age 0 fish left thermally affected areas with the approach of cooler temperatures at a later time than fish at nonaffected areas. Length frequency comparisons revealed no difference in age composition at affected and nonaffected areas. Rulifson (1977) reports direct correlation between time to impingement and temperature for young-of-the-year fish. Lethal temperatures are reported by Cameron (1969) to be between 6 and 8°C, and

between 32 and 35°C. Fish apparently move to deeper water as a defense against temperature extremes (Cameron, 1969).

Silver Perch

Grimes (1971) and Grimes and Mountain (1971) have done thermal addition studies at Crystal River. No significant differences in frequency of occurrence, age composition, spawning time, or growth of age 0 fish were revealed between thermally affected and unaffected areas. The authors (Grimes and Mountain, 1971) did note that diversity was higher in water at affected shallow water stations except in summer. Also, fish in general remained at shallow, thermally affected areas a longer period of time with the approach of winter (Grimes, 1971).

The species is collected at temperatures ranging from 7.5°C (Dahlberg 1972) to 34.0°C (Roessler 1970); however, cold kills have been reported at temperatures even within the species' known tolerances (Gunter & Hildebrand 1951; Gunter 1945; Springer & Woodburn 1960; Moore 1976). Laboratory observations indicate a critical thermal maximum at temperatures greater than 34°C (Gift & Westman 1971).

Spotted Seatrout

In Texas waters, the trout were taken at temperatures as low as 8.1°C and as high as 34.9°C (Gunter 1945). Generally, they escape cold waters by moving to deeper areas (10-20 feet) (Tabb 1958; Moody 1950). Mortality due to cold was observed when temperatures of the deeper waters of the Indian and Banana River lagoons (east coast of Florida) had fallen from 65-70°F to 45°F and remained there for about 12 hours (Tabb, 1966). Although they can recover rapidly after being immobilized by cold for a short period, they are apparently always killed when exposed to 45°F for 24 hours (Tabb 1958). In North Carolina waters temperatures of 53 to 55°F were sufficient to numb the fish (Hildebrand and Cable 1934).

Spot

Gunter (1945) reported spot along the Texas coast in water from 8.1 to 32°C and 2.0 to 36.7 ppt salinity. Hartwell and Hoss (1979) conducted laboratory experiments on postlarval and juvenile spot held at three acclimation temperatures. For postlarval spot, median lethal shock temperatures at acclimation temperatures of 10, 15, and 20°C were, respectively: 28 to 29°C, 30 to 31°C, and 32 to 33°C. For juveniles the median lethal shock temperatures were, similarly: 33 to 34°C, 34 to 36°C, and 35 to 36°C (Hartwell and Hoss 1979). Carr and Giesel (1975) also cite spot as one species of fish having a marked diminution in numbers and biomass in a thermally affected marshland nursery as compared to a similar, unaffected area nearby (on the northeast coast of Florida).

Red Drum

In Texas red drum have been taken in water ranging from 2 to 33°C (Simmons and Breuer 1962 cited in Theiling and Loyacano 1976). In laboratory experiments, spawning ceased when temperatures dropped to 20°C (Holt et al 1981). Hatching and larval survival studies were done by Holt et al (1981) at combinations of

three temperatures (20, 25 and 30°C) and four salinities (15, 20, 25 and 30 ppt); the best conditions for hatching and 24 hour larval survival were at 25°C and 30 ppt. Poorest larval survival was at 30°C and 15 ppt. As a reaction to cold weather (and presumably hot weather) young red drum may move into deeper water (Pearson 1929; Osburn et al 1982).

Striped Mullet

Moore (1974) stated an upper critical temperature in the summer of about 37°C, although striped mullet could withstand temperatures above 40°C for short periods. During sampling off south Texas, however, only one individual was taken at temperatures above 31°C (Moore 1974). In Hawaii prejuveniles were found in water with high (34.0 to 37.2°C), often near lethal (39.0 to 42.5°C), temperatures (Major 1978). However, these prejuveniles seemed to prefer temperatures of 30.0 to 32.4°C. Juveniles seemed to prefer temperatures around 29.0°C and remained seaward of the tide in more thermally stable water (Major 1978).

Pink Shrimp

Minimum temperature for survival of the shrimp is felt to be around 12°C (Eldred et al 1961). They bury to avoid extreme in cold (Eldred et al 1961; Williams 1960). They have been held in a refrigerated truck at 13.3°C for almost 12 hours with low mortality (Eldred et al 1961). In southwest Florida, shrimp move out of the shallows to deeper water during the cold and move back in again if it warms (Tabb et al 1962). The minimum temperature for activity is about 15°C and below 10°C they are narcotized by the cold (Williams 1955). Tabb et al (1972) report mortality at 10°C upon a 6-10 hour exposure, and all feeding ceases at temperatures below 18°C. Survival is better at low temperatures if salinity is moderate to high (Williams 1965).

The highest temperature at which shrimp were taken during Tampa Bay studies was 35.5°C (Eldred et al 1961). Thorhaug et al (1972) report limits near 36-37°C for all but a few of its life stages.

New larvae have been found in temperatures as low as 19.6°C (Jones et al 1964). Thermal tolerance lab studies on the early life stages of the pink shrimp have been conducted and are reported in detail by life stage by Thorhaug et al (1972) and Thorhaug et al (1971). Briefly, neither first protozoea, third protozoea nor mysis survived above temperatures in the range of 36.7 to 37.8°C; nauplii had a very abrupt lethal temperature (33-34°C) with a change of only 1 or 2°C often spelling the difference between 100 percent mortality or 100 percent survival. The naupliar stage metamorphosed to protozoea only between 24-25°C and 30.5-31.5°C. Later stages from protozoea to adult can safety withstand temperatures of 33-35°C. Juveniles from Turkey Point had a lethal temperature of 37.9-39.6°C for a 2-hour exposure, decreasing to 36.0-37.9°C after 16.5 to 24 hours. The lower thermal limit was tentatively set at 12.8°C.

Blue Crab

Sensitivity of adult and juvenile blue crabs to extremes in temperature is affected by the salinity of the water. Generally, the crabs are less tolerant to extremes at low (6.8 ppt) and high (34 ppt) salinites (Tagatz 1969).

In lab studies on the megalopa stage, Costlow and Bookhout (1969) tested combinations of salinities of 5, 10, 20, 30, 35, and 40 ppt with temperatures of 15, 20, 25 and 30°C. Salinites of 5 ppt with 15 or 20°C and a salinity of 10 ppt with 15°C did not allow completion of metamorphosis. In another study Costlow and Bookhout (1959) report that in all salinities tested (15, 20.1, 26.7, 31.1 ppt) larvae never developed beyond the first zoeal stage when maintained at 20°C. Sandoz and Rogers (1944) report that in laboratory studies eggs were hatched between 19°C and 29°C with no significant variation in percentage hatched within this range. At 14, 17, 30 and 31°C all eggs failed to hatch. Below 15°C and above 29°C first zoeae became inactive and ceased feeding. At 10°C crabs moved very little and practically ceased to eat (Churchill 1919). Favorable salinity and temperature for ecdysis through the first three stages were 21-28 ppt and 20 to 29°C (Sandoz and Rogers 1944). No successful ecdysis occurred below 20°C. According to lab studies on megalops reported by Costlow (1967) survival never exceeded 50 percent at 15°C and ranged from 70-100 percent at 20, 25 and 30°C over salinites of 20, 30, 35 and 40 ppt. The upper thermal tolerance for juvenile blue crabs (100 percent mortality) acclimated to 20°C appears to be between 37 and 38°C (Academy of Natural Sciences 1970). Tagatz (1969) found the 48-hour median thermal tolerance limits to be approximately 39°C for junveniles and adults.

Accounts from Leffler (1972) indicate that mortality is directly proportional to temperature for temperatures between 13 and 34°C, as is mortality at ecdysis. Mortality at ecdysis is high, 9.4 percent, at 34°C. He further indicates that crabs living at elevated temperatures should be smaller when growth ceases than those living at lower temperatures; however, by actively selecting water temperature the blue crab could extend its growing season without decreasing size at maturity. Making specific reference to Crystal River, Leffler (1972) notes that 12 month growth would be possible (assuming sufficient food) rather than the normal 8 or 9 month growth period. By utilizing both the thermally affected and unaffected areas of the estuary, the juvenile crabs could shorten the time to maturity while maintaining maximal size and low mortality. Presumably, they would enter the effluent area when temperatures dropped below 20°C in the fall, and leave the area as it rose above 27°C in the spring.

Stone Crab

Stone Crab larvae are intolerant to sudden fluctuations in water temperature or salinity (Futch 1966); both temperature and salinity affect larval survival and development (Ong and Costlow 1970).

Ong and Costlow (1970) have reported on laboratory development and mortality of larvae at various combinations of temperature (20, 25 and 30°C) and salinity (10, 20, 25, 30, 35, and 40 ppt). All larvae in 10 ppt salinity at all temperatures died. Larvae at 20°C and 20-40 ppt salinity developed only to the megalopa stage. Only at temperatures of 25 and 30°C and salinities of 20-40 ppt did larvae survive to first crab stage. Optimum conditions, however, were believed to be at 30°C at a salinity range of 30-35 ppt.

Thorhaug et al (1971) have also studied in the laboratory the effect of temperature on stone crab eggs and larvae; salinities during testing averaged 33.9 ppt .20 ppt. Lethal temperature limits given here are for extended periods. A more detailed breakdown by length of exposure, zoeal stage, and

temperature is given by Thorhaug et al (1971). After 40 hours, no hatchings of eggs was observed below 29.1°C and no eggs survived above 36.3°C. Apparently, they were tolerant of cold since they remained viable after 280 hours at 12.6°C. Of the larval stages, the megalops seems to be the most sensitive. Fifth zoea held between 16.7 and 30.5°C achieved megalops characteristics. Twenty-three hours above 30.5°C proved to be lethal to the megalops, though this mortality could be due either to the high temperature directly, or to inhibition of further metamorphosis. One hundred percent of juveniles survived during a 42 hour exposure to temperatures maintained between 12.6 and 37.0°C. Death occurred, however, at 38.0°C after 4 hours. Mature stone crabs encountered lethal temperatures near 35 to 37.5°C. In other laboratory studies (Thorhaug et al 1972) the upper temperature limit for megalops molting into juveniles was 28.9°C for a 24 hour exposure.

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APPENDIX VII

FISHERIES DATA

TABLE VII-2

FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
OGCOCEPHALUS RADIATUS

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	0	1	1	0	5	1	5	0	0
JULY 1983	0	2	0	2	3	0	7	0	0
AUGUST 1983	0	1	0	0	1	1	1	0	0
SEPTEMBER 1983	0	0	0	0	4	1	1	3	0
OCTOBER 1983	0	0	0	0	4	1	0	0	1
NOVEMBER 1983	1	0	1	2	1	0	0	0	0
DECEMBER 1983	0	1	0	0	2	1	0	3	0
JANUARY 1984	0	0	0	0	0	0	0	1	0
FEBRUARY 1984	0	1	3	1	0	1	7	0	1
MARCH 1984	0	2	0	0	1	3	5	1	1
APRIL 1984	0	0	4	0	1	1	5	1	1
MAY 1984	0	0	2	0	4	1	0	0	1
TOTAL NUMBER OVER ALL DATES	1	8	11	5	26	11	31	9	5

TABLE VII-1
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
ANCHOA MITCHILLI

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	1	12	15	55	1	0	1	0	0
JULY 1983	16	2	6	0	3	1	0	0	0
AUGUST 1983	3	77	19	6	10	0	0	0	2
SEPTEMBER 1983	10	24	4	40	1	0	0	0	0
OCTOBER 1983	2	8	0	8	0	0	0	0	0
NOVEMBER 1983	0	17	1	2	2	1	0	0	0
DECEMBER 1983	1	1	0	2	0	0	1	4	0
JANUARY 1984	0	1	0	0	0	0	0	0	0
FEBRUARY 1984	0	3	0	1	0	0	0	0	0
MARCH 1984	1	6	8	0	0	0	8	2	1
APRIL 1984	0	1	0	2	0	0	2	17	10
MAY 1984	0	1	0	2	0	7	0	3	3
TOTAL NUMBER OVER ALL DATES	34	153	53	118	17	9	12	26	16

TABLE VII-4

FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
LAGODON RHOMBOIDES

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	24	11	4	1	12	6	0	11	328
JULY 1983	17	32	2	0	1	2	2	1	216
AUGUST 1983	4	10	2	0	5	3	18	164	277
SEPTEMBER 1983	1	9	0	0	14	4	6	5	217
OCTOBER 1983	1	5	4	0	2	0	7	68	73
NOVEMBER 1983	11	1	12	0	1	0	11	10	21
DECEMBER 1983	9	10	0	1	5	0	8	32	2
JANUARY 1984	2	10	0	9	0	0	0	4	1
FEBRUARY 1984	48	8	0	6	3	2	50	34	9
MARCH 1984	4	1	0	7	4	6	74	24	254
APRIL 1984	9	4	2	16	0	7	221	10	11
MAY 1984	72	2	7	15	2	14	125	67	345
TOTAL NUMBER OVER ALL DATES	202	103	33	55	49	44	522	430	1754

TABLE VII-3
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
ORTHOPRISTIS CHRYSOPTERA

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	4	13	0	6	12	2	26	11	69
JULY 1983	7	16	2	2	2	3	21	17	54
AUGUST 1983	5	4	6	0	2	1	13	20	65
SEPTEMBER 1983	6	3	6	0	7	2	9	8	66
OCTOBER 1983	1	0	1	4	2	8	9	15	47
NOVEMBER 1983	1	0	17	2	0	3	4	3	12
DECEMBER 1983	1	1	0	0	0	5	0	4	2
FEBRUARY 1984	0	0	0	0	0	0	0	3	1
MARCH 1984	0	1	0	0	2	3	21	17	54
APRIL 1984	0	0	2	0	2	4	28	8	20
MAY 1984	0	0	6	14	4	3	109	28	364
TOTAL NUMBER OVER ALL DATES	25	38	40	28	33	34	240	134	754

TABLE VII-6
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
CYNOSCION NEBULOSUS

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JULY 1983	0	3	3	0	0	0	0	0	1
AUGUST 1983	1	0	0	0	0	0	3	6	8
SEPTEMBER 1983	3	4	0	1	0	0	2	1	2
OCTOBER 1983	0	0	0	0	0	0	0	2	0
DECEMBER 1983	0	0	0	1	0	0	0	0	0
JANUARY 1984	0	0	1	1	0	0	0	0	1
FEBRUARY 1984	0	0	0	1	0	0	0	0	0
MAY 1984	25	15	110	4	52	0	1	0	0
TOTAL NUMBER OVER ALL DATES	29	22	114	8	52	0	6	9	12

TABLE VII-5
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
BAIRDIELLA CHRYSOURA

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	160	241	5	13	0	0	86	5	21
JULY 1983	77	101	24	0	22	2	31	2	3
AUGUST 1983	13	112	11	3	14	5	72	4	3
SEPTEMBER 1983	96	119	18	12	29	5	9	4	26
OCTOBER 1983	8	56	26	15	9	1	10	2	13
NOVEMBER 1983	31	52	21	15	2	2	14	15	0
DECEMBER 1983	28	17	0	8	9	0	2	18	0
JANUARY 1984	0	0	0	0	0	0	0	1	0
FEBRUARY 1984	5	4	0	0	0	0	1	0	0
MARCH 1984	18	9	2	18	5	0	9	11	11
APRIL 1984	4	0	0	17	0	0	3	5	2
MAY 1984	19	44	13	14	7	11	1	2	5
TOTAL NUMBER OVER ALL DATES	459	755	120	115	97	26	238	69	84

TABLE VII-8
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
PENAEUS DUORARUM

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	53	33	7	15	10	2	2	0	5
JULY 1983	432	127	168	141	128	34	77	22	80
AUGUST 1983	177	199	69	104	56	5	164	106	120
SEPTEMBER 1983	147	53	29	66	10	6	83	32	145
OCTOBER 1983	18	11	12	26	9	3	64	16	39
NOVEMBER 1983	24	13	7	22	2	1	72	5	36
DECEMBER 1983	13	10	4	2	5	2	1	16	26
JANUARY 1984	14	6	2	2	0	0	12	12	9
FEBRUARY 1984	29	38	24	13	11	6	52	22	35
MARCH 1984	43	78	47	33	17	4	81	17	49
APRIL 1984	19	20	39	91	25	9	160	24	32
MAY 1984	29	48	39	8	20	4	21	2	71
TOTAL NUMBER OVER ALL DATES	998	636	447	523	293	76	789	274	647

TABLE VII-7
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
LEIOSTOMUS XANTHURUS

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	338	12	20	0	0	0	0	3	10
JULY 1983	208	34	24	0	1	3	1	4	2
AUGUST 1983	136	112	4	40	9	10	0	0	0
SEPTEMBER 1983	137	63	50	17	7	6	0	1	1
OCTOBER 1983	48	56	2	7	1	2	1	2	0
NOVEMBER 1983	20	42	12	7	0	1	0	0	0
DECEMBER 1983	20	27	9	3	9	4	0	0	0
FEBRUARY 1984	36	16	0	9	0	1	0	0	0
MARCH 1984	387	5	4	1	0	1	2	0	0
APRIL 1984	74	48	10	502	4	7	57	0	1
MAY 1984	210	240	124	46	63	54	0	48	7
TOTAL NUMBER OVER ALL DATES	1614	655	259	632	94	89	61	58	21

TABLE VII-10
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
MENIPPE MERCENARIA

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JULY 1983	0	0	0	0	0	2	2	0	2
AUGUST 1983	0	0	0	0	0	1	0	1	6
SEPTEMBER 1983	0	0	0	0	0	0	0	0	4
OCTOBER 1983	0	0	0	1	0	0	0	2	1
NOVEMBER 1983	0	0	0	0	0	0	0	1	0
JANUARY 1984	0	0	0	0	0	0	1	0	0
FEBRUARY 1984	0	0	0	0	0	0	0	2	0
MARCH 1984	0	0	0	0	1	0	0	0	1
APRIL 1984	0	0	1	0	0	0	0	0	0
MAY 1984	0	1	0	0	0	0	0	4	1
TOTAL NUMBER OVER ALL DATES	0	1	1	1	1	3	3	10	15

TABLE VII-9
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
CALLINECTES SAPIDUS

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	19	2	0	3	0	0	3	0	1
JULY 1983	2	6	2	5	0	0	1	0	0
AUGUST 1983	16	4	0	1	0	0	1	0	0
SEPTEMBER 1983	10	2	0	0	0	0	0	0	0
OCTOBER 1983	2	1	1	2	0	0	0	0	0
NOVEMBER 1983	3	0	2	2	0	0	0	0	0
DECEMBER 1983	3	2	0	0	0	0	1	1	0
JANUARY 1984	3	3	3	1	2	1	1	1	1
FEBRUARY 1984	1	0	1	1	0	1	1	0	2
MARCH 1984	6	11	5	4	2	0	4	0	2
APRIL 1984	5	18	22	7	10	8	7	21	24
MAY 1984	1	3	1	7	5	2	11	6	24
TOTAL NUMBER OVER ALL DATES	71	52	37	33	19	12	30	29	54

TABLE VII-12
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
ANCHOA MITCHILLI

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	1.7	5.4	15.4	15.2	0.3	0.0	1.6	0.0	0.0
JULY 1983	8.2	2.2	2.6	0.0	1.6	0.5	0.0	0.0	0.0
AUGUST 1983	2.6	51.4	16.1	4.7	6.3	0.0	0.0	0.0	2.0
SEPTEMBER 1983	10.4	26.0	3.2	29.9	0.9	0.0	0.0	0.0	0.0
OCTOBER 1983	1.9	10.2	0.0	7.3	0.0	0.0	0.0	0.0	0.0
NOVEMBER 1983	0.0	18.7	1.3	1.4	0.8	0.7	0.0	0.0	0.0
DECEMBER 1983	1.5	1.4	0.0	2.1	0.0	0.0	0.6	3.4	0.0
JANUARY 1984	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FEBRUARY 1984	0.0	4.6	0.0	0.9	0.0	0.0	0.0	0.0	0.0
MARCH 1984	2.5	10.1	12.7	0.0	0.0	0.0	12.8	6.2	1.9
APRIL 1984	0.0	2.1	0.0	3.4	0.0	0.0	4.4	30.5	16.6
MAY 1984	0.0	2.2	0.0	4.1	0.0	18.1	0.0	6.4	5.0
TOTAL BIOMASS OVER ALL DATES	28.8	135.3	51.3	69.0	9.9	19.3	19.4	46.5	25.5

TABLE VII-11
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
LOLLIGUNCULA BREVIS

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	0	2	2	1	0	0	0	0	0
JULY 1983	0	0	0	0	0	1	0	1	0
AUGUST 1983	0	0	0	0	0	1	0	0	0
SEPTEMBER 1983	0	0	1	0	0	1	0	0	0
OCTOBER 1983	0	1	0	0	0	1	1	0	0
FEBRUARY 1984	0	0	0	1	0	0	0	1	1
MARCH 1984	0	0	0	15	2	0	7	0	0
MAY 1984	0	0	0	1	0	3	0	0	1
TOTAL NUMBER OVER ALL DATES	0	3	3	18	2	7	8	2	2

TABLE VII-14
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
ORTHOPRISTIS CHRYSOPTERA

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	27.4	63.4	0.0	58.5	460.2	147.3	953.2	151.4	1147.1
JULY 1983	102.9	175.2	22.8	18.4	30.0	15.5	366.0	325.5	921.3
AUGUST 1983	145.3	75.9	137.7	0.0	34.1	19.0	111.9	374.9	655.5
SEPTEMBER 1983	195.7	79.2	165.6	0.0	478.1	41.9	272.4	277.6	895.6
OCTOBER 1983	133.3	0.0	37.2	155.3	130.4	245.4	322.7	302.0	980.1
NOVEMBER 1983	29.1	0.0	314.1	62.7	0.0	77.7	94.7	38.8	188.6
DECEMBER 1983	22.2	27.7	0.0	0.0	0.0	104.3	0.0	97.6	36.5
FEBRUARY 1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.4	13.7
MARCH 1984	0.0	15.3	0.0	0.0	34.8	64.9	477.7	387.7	1037.4
APRIL 1984	0.0	0.0	50.6	0.0	45.1	119.6	910.8	222.6	753.8
MAY 1984	0.0	0.0	185.7	15.0	41.1	93.2	605.9	505.8	1270.0
TOTAL BIOMASS OVER ALL DATES	655.9	436.7	913.7	309.9	1253.8	928.8	4115.3	2731.3	7899.6

TABLE VII-13
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
OGCOCEPHALUS RADIATUS

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	0.0	87.6	8.0	0.0	445.1	81.2	329.4	0.0	0.0
JULY 1983	0.0	25.0	0.0	23.4	189.5	0.0	458.1	0.0	0.0
AUGUST 1983	0.0	91.4	0.0	0.0	45.9	13.1	64.5	0.0	0.0
SEPTEMBER 1983	0.0	0.0	0.0	0.0	193.5	69.0	48.4	114.0	0.0
OCTOBER 1983	0.0	0.0	0.0	0.0	152.0	9.5	0.0	0.0	137.4
NOVEMBER 1983	160.4	0.0	4.3	181.5	14.7	0.0	0.0	0.0	0.0
DECEMBER 1983	0.0	165.4	0.0	0.0	63.0	17.6	0.0	176.1	0.0
JANUARY 1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	0.0
FEBRUARY 1984	0.0	172.7	42.0	1.4	0.0	67.2	252.4	0.0	122.3
MARCH 1984	0.0	374.6	0.0	0.0	36.2	141.3	44.6	2.9	2.8
APRIL 1984	0.0	0.0	179.5	0.0	1.9	87.9	173.0	37.9	2.8
MAY 1984	0.0	0.0	90.6	0.0	93.0	136.8	0.0	0.0	2.3
TOTAL BIOMASS OVER ALL DATES	160.4	916.7	324.4	206.3	1234.8	623.6	1370.4	340.6	267.6

TABLE VII-16
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
BAIRDIELLA CHRYSOURA

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	270.0	437.7	134.5	10.4	0.0	0.0	595.7	84.9	655.7
JULY 1983	441.3	350.1	50.9	0.0	148.9	3.2	108.7	6.2	36.3
AUGUST 1983	263.1	517.4	67.9	20.6	198.7	216.0	195.3	15.1	51.4
SEPTEMBER 1983	887.3	1018.4	241.5	141.8	694.9	250.0	78.4	112.2	440.1
OCTOBER 1983	113.6	594.2	461.8	238.0	115.6	51.5	138.3	21.1	273.8
NOVEMBER 1983	507.6	677.5	333.1	245.4	33.7	43.3	218.0	224.4	0.0
DECEMBER 1983	289.6	240.2	0.0	148.1	134.3	0.0	32.0	325.2	0.0
JANUARY 1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0
FEBRUARY 1984	50.7	74.7	0.0	0.0	0.0	0.0	25.8	0.0	0.0
MARCH 1984	348.7	159.0	32.1	383.9	103.1	0.0	124.3	185.1	341.3
APRIL 1984	58.6	0.0	0.0	352.6	0.0	0.0	64.0	141.6	30.3
MAY 1984	268.0	204.9	317.0	342.1	211.5	252.1	19.5	47.2	120.2
TOTAL BIOMASS OVER ALL DATES	3498.5	4274.1	1638.8	1882.9	1640.7	816.1	1600.0	1167.7	1949.1

TABLE VII-15
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
LAGODON RHOMBOIDES

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	268.1	260.4	113.1	10.1	346.8	187.4	0.0	257.2	6941.0
JULY 1983	291.6	528.8	17.9	0.0	2.8	5.2	76.2	15.9	5220.9
AUGUST 1983	80.9	72.3	55.0	0.0	128.1	107.0	194.5	4196.5	4825.1
SEPTEMBER 1983	21.5	160.3	0.0	0.0	412.2	196.6	57.4	107.9	4065.3
OCTOBER 1983	20.1	125.0	78.8	0.0	85.4	0.0	69.5	1979.9	1525.8
NOVEMBER 1983	286.9	22.0	236.5	0.0	29.6	0.0	228.4	189.3	320.8
DECEMBER 1983	170.7	173.2	0.0	40.3	100.3	0.0	62.1	460.6	78.8
JANUARY 1984	13.3	63.3	0.0	59.9	0.0	0.0	0.0	29.5	8.6
FEBRUARY 1984	481.7	78.4	0.0	56.0	29.3	36.7	895.8	969.7	226.3
MARCH 1984	13.7	0.2	0.0	38.2	53.8	106.1	974.2	355.6	5672.6
APRIL 1984	55.0	9.3	19.5	100.0	0.0	143.6	1527.1	121.6	199.6
MAY 1984	437.7	4.6	110.9	57.7	31.4	247.0	1529.6	1333.6	7790.3
TOTAL BIOMASS OVER ALL DATES	2141.2	1497.8	631.7	362.2	1219.7	1029.6	5614.8	10017.3	36875.1

TABLE VII-18
FISHERIES TRAWL SAMPLING COLLECTIONS.
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
LEIOSTOMUS XANTHURUS

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	2888.2	314.4	578.4	0.0	0.0	0.0	0.0	107.6	371.4
JULY 1983	2711.4	944.2	1005.9	0.0	32.4	108.2	33.1	185.2	100.1
AUGUST 1983	2038.5	3390.1	161.8	1688.6	463.4	644.3	0.0	0.0	0.0
SEPTEMBER 1983	2781.8	2502.0	2424.5	625.3	304.2	264.5	0.0	34.2	32.6
OCTOBER 1983	1171.5	2256.4	116.3	399.2	47.8	90.2	54.1	71.0	0.0
NOVEMBER 1983	584.3	1499.8	462.3	271.2	0.0	47.0	0.0	0.0	0.0
DECEMBER 1983	478.9	643.5	252.5	120.5	277.0	169.5	0.0	0.0	0.0
FEBRUARY 1984	153.2	81.1	0.0	3.2	0.0	0.1	0.0	0.0	0.0
MARCH 1984	1051.4	14.3	129.3	3.2	0.0	36.3	47.8	0.0	0.0
APRIL 1984	330.4	200.8	162.4	3124.8	24.6	200.9	288.5	0.0	93.9
MAY 1984	948.2	1519.2	1319.3	437.2	782.2	826.1	0.0	521.8	107.8
TOTAL BIOMASS OVER ALL DATES	15137.8	13365.8	6612.7	6673.2	1931.6	2387.1	423.5	919.8	705.8

TABLE VII-17
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
CYNOSCION NEBULOSUS

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JULY 1983	0.0	5.8	0.9	0.0	0.0	0.0	0.0	0.0	0.3
AUGUST 1983	5.2	0.0	0.0	0.0	0.0	0.0	18.5	5.5	35.3
SEPTEMBER 1983	524.4	159.5	0.0	31.8	0.0	0.0	1.5	75.4	108.7
OCTOBER 1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.6	0.0
DECEMBER 1983	0.0	0.0	0.0	81.5	0.0	0.0	0.0	0.0	0.0
JANUARY 1984	0.0	0.0	213.5	22.9	0.0	0.0	0.0	0.0	67.7
FEBRUARY 1984	0.0	0.0	0.0	45.3	0.0	0.0	0.0	0.0	0.0
MAY 1984	88.9	6.7	45.4	2.3	25.0	0.0	0.9	0.0	0.0
TOTAL BIOMASS OVER ALL DATES	618.5	172.0	259.8	183.8	25.0	0.0	20.9	133.5	212.0

TABLE VII-20
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
CALLINECTES SAPIDUS

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	1133.6	82.4	0.0	98.7	0.0	0.0	247.7	0.0	120.7
JULY 1983	66.4	358.5	70.4	149.2	0.0	0.0	30.9	0.0	0.0
AUGUST 1983	183.8	131.6	0.0	57.0	0.0	0.0	26.2	0.0	0.0
SEPTEMBER 1983	172.3	40.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCTOBER 1983	261.4	61.1	5.4	61.9	0.0	0.0	0.0	0.0	0.0
NOVEMBER 1983	30.8	0.0	349.2	41.4	0.0	0.0	0.0	0.0	0.0
DECEMBER 1983	506.4	23.9	54.2	0.0	0.0	0.0	43.5	16.7	0.0
JANUARY 1984	10.6	2.3	98.8	94.8	64.6	4.5	37.2	1.2	2.6
FEBRUARY 1984	57.9	0.0	71.5	13.8	0.0	1.1	140.0	0.0	248.0
MARCH 1984	194.4	97.6	111.0	25.0	76.2	0.0	200.9	0.0	193.2
APRIL 1984	52.0	206.2	308.1	32.2	229.8	159.2	172.4	477.6	520.2
MAY 1984	22.2	112.0	13.6	391.6	325.8	75.7	584.5	104.6	613.5
TOTAL BIOMASS OVER ALL DATES	2691.8	1115.8	1082.2	965.6	696.4	240.5	1483.3	600.1	1698.2

TABLE VII-19
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
PENAEUS DUORARUM

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	40.6	66.0	56.0	6.9	22.9	9.6	26.0	0.0	44.1
JULY 1983	363.3	139.3	253.2	70.7	82.1	25.6	71.5	23.6	96.3
AUGUST 1983	161.5	377.5	173.1	43.9	67.1	5.4	172.1	137.3	156.9
SEPTEMBER 1983	267.0	219.4	111.4	68.7	14.3	10.5	95.4	112.4	304.8
OCTOBER 1983	77.0	80.0	58.7	39.3	29.7	10.8	150.2	120.8	111.7
NOVEMBER 1983	177.2	111.8	73.9	60.7	8.7	3.0	213.0	27.3	113.0
DECEMBER 1983	66.7	125.6	47.6	3.8	31.5	17.1	10.6	92.5	106.1
JANUARY 1984	82.2	17.9	12.2	13.4	0.0	0.0	30.4	45.9	26.7
FEBRUARY 1984	133.0	204.4	182.2	87.1	45.1	24.8	186.7	118.3	173.4
MARCH 1984	382.3	631.1	381.0	237.4	137.4	37.4	339.1	122.5	305.3
APRIL 1984	166.6	133.2	299.1	803.8	222.8	88.2	575.6	179.1	174.2
MAY 1984	217.7	348.2	258.5	41.3	159.6	37.0	79.9	5.5	304.6
TOTAL BIOMASS OVER ALL DATES	2135.1	2454.4	1906.9	1477.0	821.2	269.4	1950.5	985.2	1917.1

TABLE VII-50
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
LAGODON RHOMBOIDES

DATE	STATION D1	STATION D2
JUNE 1983	3	38
JULY 1983	1	17
AUGUST 1983	0	8
OCTOBER 1983	0	2
NOVEMBER 1983	0	14
FEBRUARY 1984	63	0
MARCH 1984	6	1
APRIL 1984	3	0
TOTAL NUMBER OVER ALL DATES	76	80

TABLE VII-49
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
ORTHOPRISTIS CHRYSOPTERA

DATE	STATION D1	STATION D2
JUNE 1983	2	17
JULY 1983	0	5
AUGUST 1983	0	2
TOTAL NUMBER OVER ALL DATES	2	24

TABLE VII-48
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
OGCOCEPHALUS RADIATUS

DATE	STATION D1	STATION D2
APRIL 1984	0	1
TOTAL NUMBER OVER ALL DATES	0	1

TABLE VII-47
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
ANCHOA MITCHILLI

DATE	STATION D1	STATION D2
JUNE 1983	1	0
OCTOBER 1983	91	0
FEBRUARY 1984	9	0
MAY 1984	50	0
TOTAL NUMBER OVER ALL DATES	151	0

SPECIES DIVERSITY, EVENNESS AND RICHNESS

FOR SEINE SAMPLING

		STATIONS			
		S1	S2	S3	S4
DECEMBER 1983	DIVERSITY	1.4898	.	1.6094	2.1093
	EVENNESS	0.9256	.	0.8982	0.8224
	RICHNESS	5	0	6	13
JANUARY 1984	DIVERSITY	.	0.0000	0.5567	1.2592
	EVENNESS	.	.	0.8031	0.6471
	RICHNESS	0	1	2	7
FEBRUARY 1984	DIVERSITY	0.6752	1.1577	1.0089	0.5285
	EVENNESS	0.2558	0.8351	0.5631	0.3812
	RICHNESS	14	4	6	4
MARCH 1984	DIVERSITY	0.8108	0.1981	0.1769	1.1194
	EVENNESS	0.3381	0.1231	0.2552	0.8074
	RICHNESS	11	5	2	4
APRIL 1984	DIVERSITY	1.6384	1.5811	0.8982	1.1822
	EVENNESS	0.7115	0.8125	0.8176	0.8528
	RICHNESS	10	7	3	4
MAY 1984	DIVERSITY	0.8324	0.0000	1.9213	0.9740
	EVENNESS	0.3615	.	0.9240	0.4684
	RICHNESS	10	1	8	8

TABLE VII-46

SPECIES DIVERSITY, EVENNESS AND RICHNESS

FOR SEINE SAMPLING

		STATIONS			
		S1	S2	S3	S4
JUNE 1983	DIVERSITY	0.2639	1.4922	1.0523	1.5763
	EVENNESS	0.1904	0.7668	0.4789	0.5973
	RICHNESS	4	7	9	14
JULY 1983	DIVERSITY	1.3735	1.4210	1.3863	1.0544
	EVENNESS	0.7058	0.6833	0.6667	0.4579
	RICHNESS	7	8	8	10
AUGUST 1983	DIVERSITY	1.2976	1.6988	2.0359	1.7528
	EVENNESS	0.5059	0.8730	0.7937	0.7612
	RICHNESS	13	7	13	10
SEPTEMBER 1983	DIVERSITY	1.8103	0.0544	1.1670	1.2609
	EVENNESS	0.8239	0.0496	0.5068	0.5739
	RICHNESS	9	3	10	9
OCTOBER 1983	DIVERSITY	0.8812	0.7963	0.7035	1.6394
	EVENNESS	0.4011	0.7248	0.3926	0.7884
	RICHNESS	9	3	6	8
NOVEMBER 1983	DIVERSITY	1.6094	0.6837	0.5819	1.4599
	EVENNESS	0.8982	0.6224	0.4197	0.6644
	RICHNESS	6	3	4	9

TABLE VII-45
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
MENIPPE MERCENARIA

DATE	STATION S1	S2	S3	S4
APRIL 1984	0.9	0.0	0.0	0.0
TOTAL BIOMASS OVER ALL DATES	0.9	0.0	0.0	0.0

TABLE VII-44
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
CALLINECTES SAPIDUS

DATE	STATION S1	S2	S3	S4
JUNE 1983	0.0	0.0	0.0	144.5
AUGUST 1983	0.0	0.0	0.0	227.4
OCTOBER 1983	56.9	0.0	166.4	0.0
NOVEMBER 1983	0.0	0.0	0.0	11.5
DECEMBER 1983	0.0	0.0	9.1	34.1
FEBRUARY 1984	0.0	0.0	3.5	0.0
APRIL 1984	128.2	51.5	0.0	42.5
MAY 1984	5.4	0.0	146.1	155.8
TOTAL BIOMASS OVER ALL DATES	190.5	51.5	325.1	615.8

TABLE VII-43
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
PENAEUS DUORARUM

DATE	STATION S1	S2	S3	S4
AUGUST 1983	0.0	0.0	1.5	0.0
TOTAL BIOMASS OVER ALL DATES	0.0	0.0	1.5	0.0

TABLE VII-42
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
MUGIL CEPHALUS

DATE	STATION S1	S2	S3	S4
JUNE 1983	0.2	0.0	0.0	168.0
JULY 1983	0.0	0.0	351.6	414.3
AUGUST 1983	141.8	133.8	0.0	0.0
SEPTEMBER 1983	0.0	0.0	543.3	0.0
OCTOBER 1983	36.6	0.1	0.0	6.2
NOVEMBER 1983	112.9	0.3	1469.0	0.0
DECEMBER 1983	0.0	0.0	0.0	45.3
JANUARY 1984	0.0	320.9	0.0	0.1
FEBRUARY 1984	31.2	0.0	0.0	0.0
MARCH 1984	0.9	0.0	0.0	0.0
APRIL 1984	0.0	0.0	0.5	0.0
MAY 1984	0.3	0.0	307.2	0.0
TOTAL BIOMASS OVER ALL DATES	323.9	455.1	2671.6	633.9

TABLE VII-41
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
SCIAENOPS OCELLATUS

DATE	STATION S1	S2	S3	S4
DECEMBER 1983	0.0	0.0	484.4	0.0
TOTAL BIOMASS OVER ALL DATES	0.0	0.0	484.4	0.0

TABLE VII-40
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
LEIOSTOMUS XANTHURUS

DATE	STATION S1	S2	S3	S4
JUNE 1983	0.0	0.0	0.0	70.9
AUGUST 1983	0.0	0.0	0.0	7.4
NOVEMBER 1983	0.0	0.0	0.0	19.2
FEBRUARY 1984	168.0	1.3	2.0	3.3
MARCH 1984	203.2	27.8	0.0	0.0
MAY 1984	0.0	0.0	0.0	64.8
TOTAL BIOMASS OVER ALL DATES	371.2	29.1	2.0	165.6

TABLE VII-39
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
BAIRDIELLA CHRYSOURA

DATE	STATION S1	S2	S3	S4
JUNE 1983	0.3	0.0	0.0	0.0
MAY 1984	1.9	0.0	0.0	0.0
TOTAL BIOMASS OVER ALL DATES	2.2	0.0	0.0	0.0

TABLE VII-38
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
LAGODON RHOMBOIDES

DATE	STATION S1	S2	S3	S4
JUNE 1983	0.0	2.7	0.0	366.8
JULY 1983	148.3	0.0	0.0	82.9
AUGUST 1983	133.1	0.0	0.0	58.5
SEPTEMBER 1983	89.7	0.0	0.0	109.2
OCTOBER 1983	0.0	0.0	0.0	57.6
NOVEMBER 1983	105.5	0.0	0.0	223.3
DECEMBER 1983	89.4	0.0	20.1	0.0
FEBRUARY 1984	11.4	5.6	1.6	14.4
MARCH 1984	67.7	3.9	1.2	148.9
APRIL 1984	607.5	6.8	0.0	40.1
MAY 1984	51.4	0.0	0.0	53.7
TOTAL BIOMASS OVER ALL DATES	1304.0	19.0	22.9	1155.4

TABLE VII-37
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
ORTHOPRISTIS CHRYSOPTERA

DATE	STATION S1	S2	S3	S4
MAY 1984	0.8	0.0	1.1	0.0
TOTAL BIOMASS OVER ALL DATES	0.8	0.0	1.1	0.0

TABLE VII-36
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
OGCOCEPHALUS RADIATUS

DATE	STATION S1	S2	S3	S4
OCTOBER 1983	40.0	0.0	0.0	0.0
NOVEMBER 1983	216.6	0.0	93.9	0.0
FEBRUARY 1984	135.9	0.0	0.0	0.0
MARCH 1984	193.3	0.0	0.0	0.0
APRIL 1984	44.7	0.0	0.0	0.0
TOTAL BIOMASS OVER ALL DATES	630.5	0.0	93.9	0.0

TABLE VII-35
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
ANCHOA MITCHILLI

DATE	STATION S1	S2	S3	S4
JUNE 1983	0.0	0.1	0.0	14.5
JULY 1983	0.0	4.6	15.0	0.0
AUGUST 1983	19.0	0.3	0.2	0.0
SEPTEMBER 1983	0.6	133.3	16.6	0.0
OCTOBER 1983	0.0	0.0	9.7	5.9
NOVEMBER 1983	0.0	0.3	0.0	0.0
DECEMBER 1983	0.6	0.0	0.0	0.0
MARCH 1984	0.5	10.6	0.0	0.0
MAY 1984	44.8	0.0	0.3	0.3
TOTAL BIOMASS OVER ALL DATES	65.5	149.2	41.8	20.7

TABLE VII-34
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
MENIPPE MERCENARIA

DATE	STATION S1	S2	S3	S4
APRIL 1984	1	0	0	0
TOTAL NUMBER OVER ALL DATES	1	0	0	0

TABLE VII-33
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
CALLINECTES SAPIDUS

DATE	STATION S1	S2	S3	S4
JUNE 1983	0	0	0	1
AUGUST 1983	0	0	0	1
OCTOBER 1983	1	0	2	0
NOVEMBER 1983	0	0	0	3
DECEMBER 1983	0	0	1	1
FEBRUARY 1984	0	0	1	0
APRIL 1984	2	1	0	1
MAY 1984	1	0	2	4
TOTAL NUMBER OVER ALL DATES	4	1	6	11

TABLE VII-32
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
PENAEUS DUORARUM

DATE	STATION S1	S2	S3	S4
AUGUST 1983	0	0	1	0
TOTAL NUMBER OVER ALL DATES	0	0	1	0

TABLE VII-31
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
MUGIL CEPHALUS

DATE	STATION S1	S2	S3	S4
JUNE 1983	1	0	0	3
JULY 1983	0	0	1	5
AUGUST 1983	17	1	0	0
SEPTEMBER 1983	0	0	24	0
OCTOBER 1983	2	1	0	58
NOVEMBER 1983	1	1	27	0
DECEMBER 1983	0	0	0	3
JANUARY 1984	0	1	0	1
FEBRUARY 1984	187	0	0	0
MARCH 1984	6	0	0	0
APRIL 1984	0	0	6	0
MAY 1984	2	0	3	0
TOTAL NUMBER OVER ALL DATES	216	4	61	70

TABLE VII-30
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
SCIAENOPS OCELLATUS

DATE	STATION S1	S2	S3	S4
DECEMBER 1983	0	0	1	0
TOTAL NUMBER OVER ALL DATES	0	0	1	0

TABLE VII-29
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
LEIOSTOMUS XANTHURUS

DATE	STATION S1	S2	S3	S4
JUNE 1983	0	0	0	2
AUGUST 1983	0	0	0	1
NOVEMBER 1983	0	0	0	2
FEBRUARY 1984	2400	23	33	46
MARCH 1984	1101	134	0	0
MAY 1984	0	0	0	26
TOTAL NUMBER OVER ALL DATES	3501	157	33	77

TABLE VII-28
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
BAIRDIELLA CHRYSOURA

DATE	STATION S1	S2	S3	S4
JUNE 1983	1	0	0	0
MAY 1984	15	0	0	0
TOTAL NUMBER OVER ALL DATES	16	0	0	0

TABLE VII-27
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
LAGODON RHOMBOIDES

DATE	STATION S1	S2	S3	S4
JUNE 1983	0	1	0	29
JULY 1983	12	0	0	11
AUGUST 1983	2	0	0	7
SEPTEMBER 1983	3	0	0	14
OCTOBER 1983	0	0	0	6
NOVEMBER 1983	4	0	0	19
DECEMBER 1983	4	0	1	0
FEBRUARY 1984	87	32	27	1
MARCH 1984	346	5	3	20
APRIL 1984	15	4	0	6
MAY 1984	1	0	0	17
TOTAL NUMBER OVER ALL DATES	474	42	31	130

TABLE VII-26

FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
ORTHOPRISTIS CHRYSOPTERA

DATE	STATION S1	S2	S3	S4
MAY 1984	6	0	2	0
TOTAL NUMBER OVER ALL DATES	6	0	2	0

TABLE VII-25
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
OGCOCEPHALUS RADIATUS

DATE	STATION S1	S2	S3	S4
OCTOBER 1983	1	0	0	0
NOVEMBER 1983	2	0	1	0
FEBRUARY 1984	2	0	0	0
MARCH 1984	3	0	0	0
APRIL 1984	1	0	0	0
TOTAL NUMBER OVER ALL DATES	9	0	1	0

TABLE VII-24
FISHERIES SEINE SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
ANCHOA MITCHILLI

DATE	STATION S1	S2	S3	S4
JUNE 1983	0	2	0	52
JULY 1983	0	94	41	0
AUGUST 1983	59	2	1	0
SEPTEMBER 1983	10	1456	190	0
OCTOBER 1983	0	0	244	14
NOVEMBER 1983	0	1	0	0
DECEMBER 1983	2	0	0	0
MARCH 1984	2	24	0	0
MAY 1984	274	0	1	1
TOTAL NUMBER OVER ALL DATES	347	1579	477	67

SPECIES DIVERSITY, EVENNESS AND RICHNESS

FOR TRAWL SAMPLING

		STATIONS								
		T1	T2	T3	T4	T5	T6	T7	T8	T9
DECEMBER 1983	DIVERSITY	2.3748	2.4055	2.5268	0.6130	2.5898	2.5235	2.469	2.4676	2.2897
	EVENNESS	0.7927	0.7569	0.8742	0.2790	0.8645	0.8289	.8906	0.7666	0.7521
	RICHNESS	20	24	18	9	20	21	16	25	21
JANUARY 1984	DIVERSITY	2.1663	2.6431	2.1371	1.9163	1.9640	2.4049	2.734	2.7264	2.1920
	EVENNESS	0.8208	0.8551	0.8332	0.8323	0.8938	0.8881	.8390	0.8097	0.6728
	RICHNESS	14	22	13	10	9	15	26	29	26
FEBRUARY 1984	DIVERSITY	2.1159	2.5015	1.7600	2.3337	2.3302	2.5968	2.78	2.7608	2.5216
	EVENNESS	0.7321	0.8093	0.6862	0.8237	0.8605	0.8819	.7537	0.8040	0.7651
	RICHNESS	18	22	13	17	15	19	40	31	27
MARCH 1984	DIVERSITY	0.9895	2.5317	2.2616	2.4014	2.4984	2.8425	2.952	2.7324	2.0990
	EVENNESS	0.3250	0.7179	0.7213	0.8016	0.8485	0.9336	.7509	0.8200	0.5857
	RICHNESS	21	34	23	20	19	21	51	28	36
APRIL 1984	DIVERSITY	1.6778	2.2597	2.1269	0.8978	2.1329	2.6285	1.953	2.5798	3.0923
	EVENNESS	0.5922	0.7543	0.7507	0.3169	0.7528	0.8927	.5539	0.7918	0.8077
	RICHNESS	17	20	17	17	17	19	34	26	46
MAY 1984	DIVERSITY	1.2927	1.4318	1.6644	2.1132	2.1935	2.0788	1.555	1.8615	1.6266
	EVENNESS	0.5614	0.4703	0.5758	0.7311	0.6583	0.6828	.4894	0.6322	0.4575
	RICHNESS	10	21	18	18	28	21	24	19	35

TABLE VII-23

SPECIES DIVERSITY, EVENNESS AND RICHNESS

FOR TRAWL SAMPLING

		STATIONS								
		T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	DIVERSITY	1.4874	2.0214	2.6830	2.0498	2.9416	2.7568	2.462	2.7342	1.5755
	EVENNESS	0.4812	0.6066	0.8442	0.6631	0.8488	0.9202	.7311	0.8846	0.4894
	RICHNESS	22	28	24	22	32	20	29	22	25
JULY 1983	DIVERSITY	1.6753	2.3670	2.4250	1.6104	1.8539	2.3530	2.547	2.3796	2.1140
	EVENNESS	0.5028	0.6605	0.6767	0.5572	0.5506	0.7139	.7348	0.7488	0.5855
	RICHNESS	28	36	36	18	29	27	32	24	37
AUGUST 1983	DIVERSITY	2.0847	2.3636	2.5125	1.3694	2.4760	2.6698	2.327	2.0476	2.1463
	EVENNESS	0.6129	0.6760	0.7805	0.4939	0.7512	0.8012	.6544	0.6285	0.5858
	RICHNESS	30	33	25	16	27	28	35	26	39
SEPTEMBER 1983	DIVERSITY	2.1487	2.5411	2.5927	2.0039	2.3693	2.7705	2.674	2.3390	2.3051
	EVENNESS	0.6519	0.7546	0.7781	0.6582	0.8047	0.8963	.7521	0 7567	0.6713
	RICHNESS	27	29	28	21	19	22	35	22	31
OCTOBER 1983	DIVERSITY	2.0289	2.3445	2.5102	2.2537	2.7292	2.6340	2.424	2.4049	2.3785
	EVENNESS	0.6773	0.7196	0.7705	0.7291	0.8190	0.8651	.6873	0.7142	0.7064
	RICHNESS	20	26	26	22	28	21	34	29	29
NOVEMBER 1983	DIVERSITY	2.3598	2.1824	2.6489	2.0768	2.6412	2.4250	2.466	2.2212	2.4586
	EVENNESS	0.7634	0.7168	0.8229	0.7185	0.8817	0.8746	.7400	0.8011	0.7736
	RICHNESS	22	21	25	18	20	16	28	16	24

TABLE VII-22
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
LOLLIGUNCULA BREVIS

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JUNE 1983	0.0	2.7	1.0	1.5	0.0	0.0	0.0	0.0	0.0
JULY 1983	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.6	0.0
AUGUST 1983	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
SEPTEMBER 1983	0.0	0.0	69.4	0.0	0.0	0.1	0.0	0.0	0.0
OCTOBER 1983	0.0	0.6	0.0	0.0	0.0	0.4	2.8	0.0	0.0
FEBRUARY 1984	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.5	0.3
MARCH 1984	0.0	0.0	0.0	62.0	31.2	0.0	25.5	0.0	0.0
MAY 1984	0.0	0.0	0.0	0.6	0.0	26.1	0.0	0.0	1.5
TOTAL BIOMASS OVER ALL DATES	0.0	3.3	70.4	67.1	31.2	30.0	28.3	1.1	1.8

TABLE VII-21
FISHERIES TRAWL SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
MENIPPE MERCENARIA

DATE	STATION T1	T2	T3	T4	T5	T6	T7	T8	T9
JULY 1983	0.0	0.0	0.0	0.0	0.0	72.2	115.6	0.0	37:1
AUGUST 1983	0.0	0.0	0.0	0.0	0.0	152.0	0.0	0.1	6.4
SEPTEMBER 1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3
OCTOBER 1983	0.0	0.0	0.0	30.0	0.0	0.0	0.0	14.7	0.4
NOVEMBER 1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
JANUARY 1984	0.0	0.0	0.0	0.0	0.0	0.0	88.7	0.0	0.0
FEBRUARY 1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.8	0.0
MARCH 1984	0.0	0.0	0.0	0.0	166.2	0.0	0.0	0.0	0.7
APRIL 1984	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0
MAY 1984	0.0	0.8	0.0	0.0	0.0	0.0	0.0	31.8	0.8
TOTAL BIOMASS OVER ALL DATES	0.0	0.8	3.9	30.0	166.2	224.2	204.3	86.8	49.7

TABLE VII-51
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
BAIRDIELLA CHRYSOURA

DATE	STATION D1	STATION D2
JUNE 1983	0	2
JULY 1983	0	2
AUGUST 1983	0	1
OCTOBER 1983	0	2
TOTAL NUMBER OVER ALL DATES	0	7

TABLE VII-52
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
CYNOSCION NEBULOSUS

DATE	STATION D1	STATION D2
JUNE 1983	2	0
JULY 1983	1	0
MAY 1984	1	0
TOTAL NUMBER OVER ALL DATES	4	0

TABLE VII-53
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
LEIOSTOMUS XANTHURUS

DATE	STATION D1	STATION D2
FEBRUARY 1984	1295	4
MARCH 1984	13	4
APRIL 1984	91	0
TOTAL NUMBER OVER ALL DATES	1399	8

TABLE VII-54
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
MUGIL CEPHALUS

DATE	STATION D1	STATION D2
JUNE 1983	0	1
TOTAL NUMBER OVER ALL DATES	0	1

TABLE VII-55
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
PENAEUS DUORARUM

DATE	STATION D1	STATION D2
JUNE 1983	56	21
JULY 1983	3	89
AUGUST 1983	0	69
OCTOBER 1983	0	10
NOVEMBER 1983	12	51
DECEMBER 1983	4	10
JANUARY 1984	0	1
TOTAL NUMBER OVER ALL DATES	75	251

TABLE VII-56
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
CALLINECTES SAPIDUS

DATE	STATION D1	STATION D2
JUNE 1983	1	3
JULY 1983	1	5
AUGUST 1983	0	4
OCTOBER 1983	1	1
NOVEMBER 1983	5	22
DECEMBER 1983	6	0
JANUARY 1984	5	0
FEBRUARY 1984	1	0
MARCH 1984	1	0
TOTAL NUMBER OVER ALL DATES	21	35

TABLE VII-57
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
ANCHOA MITCHILLI

DATE	STATION D1	STATION D2
JUNE 1983	0.1	0.0
OCTOBER 1983	22.2	0.0
FEBRUARY 1984	1.6	0.0
MAY 1984	6.3	0.0
TOTAL BIOMASS OVER ALL DATES	30.2	0.0

TABLE VII-58
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
OGCOCEPHALUS RADIATUS

DATE	STATION D1	STATION D2
APRIL 1984	0.0	66.3
TOTAL BIOMASS OVER ALL DATES	0.0	66.3

TABLE VII-59
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
ORTHOPRISTIS CHRYSOPTERA

DATE	STATION D1	STATION D2
JUNE 1983	3.0	35.9
JULY 1983	0.0	23.0
AUGUST 1983	0.0	10.5
TOTAL BIOMASS OVER ALL DATES	3.0	69.4

TABLE VII-60
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
LAGODON RHOMBOIDES

DATE	STATION D1	STATION D2
JUNE 1983	6.3	141.5
JULY 1983	14.1	86.8
AUGUST 1983	0.0	21.2
OCTOBER 1983	0.0	16.2
NOVEMBER 1983	0.0	88.8
FEBRUARY 1984	6.8	0.0
MARCH 1984	0.9	0.1
APRIL 1984	0.6	0.0
TOTAL BIOMASS OVER ALL DATES	28.7	354.6

TABLE VII-61
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
BAIRDIELLA CHRYSOURA

DATE	STATION D1	STATION D2
JUNE 1983	0.0	1.5
JULY 1983	0.0	2.2
AUGUST 1983	0.0	1.8
OCTOBER 1983	0.0	18.3
TOTAL BIOMASS OVER ALL DATES	0.0	23.8

TABLE VII-62
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
CYNOSCION NEBULOSUS

DATE	STATION D1	STATION D2
JUNE 1983	4.2	0.0
JULY 1983	0.1	0.0
MAY 1984	0.1	0.0
TOTAL BIOMASS OVER ALL DATES	4.4	0.0

TABLE VII-63
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
LEIOSTOMUS XANTHURUS

DATE	STATION D1	STATION D2
FEBRUARY 1984	250.2	0.4
MARCH 1984	2.0	1.5
APRIL 1984	13.7	0.0
TOTAL BIOMASS OVER ALL DATES	265.9	1.9

TABLE VII-64
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
MUGIL CEPHALUS

DATE	STATION D1	STATION D2
JUNE 1983	0.0	0.2
TOTAL BIOMASS OVER ALL DATES	0.0	0.2

TABLE VII-65
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
PENAEUS DUORARUM

DATE	STATION D1	STATION D2
JUNE 1983	29.6	2.4
JULY 1983	0.8	14.7
AUGUST 1983	0.0	94.4
OCTOBER 1983	0.0	7.8
NOVEMBER 1983	3.9	24.2
DECEMBER 1983	1.8	2.8
JANUARY 1984	0.0	0.2
TOTAL BIOMASS OVER ALL DATES	36.1	146.5

TABLE VII-66
FISHERIES DROP NET SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
CALLINECTES SAPIDUS

DATE	STATION D1	STATION D2
JUNE 1983	133.3	26.2
JULY 1983	0.5	72.4
AUGUST 1983	0.0	21.6
OCTOBER 1983	54.3	81.1
NOVEMBER 1983	0.9	31.8
DECEMBER 1983	1.5	0.0
JANUARY 1984	15.7	0.0
FEBRUARY 1984	0.3	0.0
MARCH 1984	0.4	0.0
TOTAL BIOMASS OVER ALL DATES	206.9	233.1

SPECIES DIVERSITY, EVENNESS AND RICHNESS

FOR DROP NET SAMPLING

		STATIONS	
		D1	D2
DECEMBER 1983	DIVERSITY	1.0892	2.0925
	EVENNESS	0.7857	0.6873
	RICHNESS	4	21
JANUARY 1984	DIVERSITY	1.7914	1.7452
	EVENNESS	0.9206	0.7278
	RICHNESS	7	11
FEBRUARY 1984	DIVERSITY	0.3735	0.9650
	EVENNESS	0.2084	0.8783
	RICHNESS	6	3
MARCH 1984	DIVERSITY	0.8606	0.8877
	EVENNESS	0.6208	0.8080
	RICHNESS	4	3
APRIL 1984	DIVERSITY	0.8255	0.0000
	EVENNESS	0.4607	.
	RICHNESS	6	1
MAY 1984	DIVERSITY	0.3057	0.6931
	EVENNESS	0.2783	1.0000
	RICHNESS	3	2

TABLE VII-67

SPECIES DIVERSITY, EVENNESS AND RICHNESS

FOR DROP NET SAMPLING

		STATIONS	
		D1	D2
JUNE 1983	DIVERSITY	1.7839	2.0808
	EVENNESS	0.6759	0.6244
	RICHNESS	14	28
JULY 1983	DIVERSITY	0.8928	1.7059
	EVENNESS	0.3877	0.5603
	RICHNESS	10	21
AUGUST 1983	DIVERSITY	.	1.5227
	EVENNESS	.	0.5770
	RICHNESS	0	14
SEPTEMBER 1983	DIVERSITY	0.0000	0.0000
	EVENNESS	.	.
	RICHNESS	1	1
OCTOBER 1983	DIVERSITY	0.8413	2.0550
	EVENNESS	0.4323	0.7588
	RICHNESS	7	15
NOVEMBER 1983	DIVERSITY	0.6665	2.2244
	EVENNESS	0.2894	0.6606
	RICHNESS	10	29

TABLE VII-68
FISHERIES CREEK TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
ANCHOA MITCHILLI

DATE	STATION TC1	TC2	TC3	TC4
SEPTEMBER 1983	0	1	0	0
NOVEMBER 1983	118	0	0	0
TOTAL NUMBER OVER ALL DATES	118	1	0	0

TABLE VII-69
FISHERIES CREEK TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
ORTHOPRISTIS CHRYSOPTERA

DATE	STATION TC1	TC2	TC3	TC4
JULY 1983	0	1	2	0
SEPTEMBER 1983	0	0	0	1
MAY 1984	14	4	7	0
TOTAL NUMBER OVER ALL DATES	14	5	9	1

TABLE VII-71
FISHERIES CREEK TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
LAGODON RHOMBOIDES

DATE	STATION TC1	TC2	TC3	TC4
JULY 1983	12	4	14	0
AUGUST 1983	3	0	0	3
SEPTEMBER 1983	1	5	8	1
OCTOBER 1983	0	14	0	1
NOVEMBER 1983	2	1	1	0
DECEMBER 1983	0	7	6	1
JANUARY 1984	7	374	144	42
FEBRUARY 1984	424	425	22	4
MARCH 1984	389	1390	190	273
APRIL 1984	41	312	133	22
MAY 1984	137	882	123	24
TOTAL NUMBER OVER ALL DATES	1016	3414	641	371

TABLE VII-70
FISHERIES CREEK TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
BAIRDIELLA CHRYSOURA

DATE	STATION TC1	TC2	TC3	TC4
JULY 1983	0	3	0	0
AUGUST 1983	2	0	0	0
SEPTEMBER 1983	0	0	6	0
MAY 1984	220	1	1	0
TOTAL NUMBER OVER ALL DATES	222	4	7	0

TABLE VII-72
FISHERIES CREEK TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
CYNOSCION NEBULOSUS

DATE	STATION TC1	TC2	TC3	TC4
JULY 1983	2	0	0	0
AUGUST 1983	1	0	0	0
SEPTEMBER 1983	1	4	0	0
OCTOBER 1983	0	1	0	0
NOVEMBER 1983	0	2	0	0
MAY 1984	3	0	0	0
TOTAL NUMBER OVER ALL DATES	7	7	0	0

TABLE VII-73
FISHERIES CREEK TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
LEIOSTOMUS XANTHURUS

DATE	STATION TC1	TC2	TC3	TC4
NOVEMBER 1983	0	0	46	0
FEBRUARY 1984	421	137	110	42
MARCH 1984	26	505	201	145
APRIL 1984	3	10	67	1
MAY 1984	0	1	0	0
TOTAL NUMBER OVER ALL DATES	450	653	424	188

TABLE VII-74

FISHERIES CREEK TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
MUGIL CEPHALUS

DATE	STATION TC1	TC2	TC3	TC4
APRIL 1984	0	1	0	0
TOTAL NUMBER OVER ALL DATES	0	1	0	0

TABLE VII-75
FISHERIES CREEK TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
PENAEUS DUORARUM

DATE	STATION TC1	TC2	TC3	TC4
JULY 1983	6	0	0	0
AUGUST 1983	20	2	2	1
SEPTEMBER 1983	2	65	1	2
OCTOBER 1983	1	44	8	2
NOVEMBER 1983	15	16	0	0
DECEMBER 1983	1	46	1	3
JANUARY 1984	2	22	3	7
FEBRUARY 1984	11	15	4	0
MARCH 1984	4	1	3	4
APRIL 1984	0	0	3	2
MAY 1984	0	1	0	0
TOTAL NUMBER OVER ALL DATES	62	212	25	21

TABLE VII-76
FISHERIES CREEK TRAWL SAMPLING COLLECTIONS
TOTAL NUMBER COLLECTED OVER ALL REPS FOR
CALLINECTES SAPIDUS

DATE	STATION TC1	TC2	TC3	TC4
JULY 1983	0	0	2	0
AUGUST 1983	1	0	0	1
SEPTEMBER 1983	0	2	1	1
OCTOBER 1983	1	2	1	0
NOVEMBER 1983	9	10	1	1
DECEMBER 1983	4	8	0	1
JANUARY 1984	69	25	7	8
FEBRUARY 1984	54	66	5	0
MARCH 1984	23	3	0	1
APRIL 1984	2	7	2	0
MAY 1984	3	5	0	0
TOTAL NUMBER OVER ALL DATES	166	128	19	13

TABLE VII-77
FISHERIES CREEK TRAWL SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
ANCHOA MITCHILLI

DATE	STATION TC1	TC2	TC3	T4
SEPTEMBER 1983	0.0	0.1	0.0	0.0
NOVEMBER 1983	11.5	0.0	0.0	0.0
TOTAL BIOMASS OVER ALL DATES	11.5	0.1	0.0	0.0

TABLE VII-77
FISHERIES CREEK TRAWL SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
ANCHOA MITCHILLI

DATE	STATION TC1	TC2	TC3	T4
SEPTEMBER 1983	0.0	0.1	0.0	0.0
NOVEMBER 1983	11.5	0.0	0.0	0.0
TOTAL BIOMASS OVER ALL DATES	11.5	0.1	0.0	0.0

TABLE VII-78
FISHERIES CREEK TRAWL SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
ORTHOPRISTIS CHRYSOPTERA

DATE	STATION TC1	TC2	TC3	T4
JULY 1983	0.0	8.5	125.0	0.0
SEPTEMBER 1983	0.0	0.0	0.0	81.2
MAY 1984	7.0	1.4	5.0	0.0
TOTAL BIOMASS OVER ALL DATES	7.0	9.9	130.0	81.2

TABLE VII-79
FISHERIES CREEK TRAWL SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
LAGODON RHOMBOIDES

DATE	STATION TC1	TC2	TC3	T4
JULY 1983	101.6	17.4	62.7	0.0
AUGUST 1983	47.1	0.0	0.0	42.0
SEPTEMBER 1983	15.8	35.6	109.8	22.5
OCTOBER 1983	0.0	114.8	0.0	11.4
NOVEMBER 1983	29.0	11.3	1.7	0.0
DECEMBER 1983	0.0	73.3	68.4	9.3
JANUARY 1984	0.7	34.6	8.0	2.1
FEBRUARY 1984	64.8	137.3	18.1	0.6
MARCH 1984	203.3	348.6	115.9	87.6
APRIL 1984	23.7	230.7	86.9	28.0
MAY 1984	189.6	1880.2	106.1	44.5
TOTAL BIOMASS OVER ALL DATES	675.6	2883.8	577.6	248.0

TABLE VII-80
FISHERIES CREEK TRAWL SAMPLING COLLECTIONS
TOTAL BIOMASS (IN GRAMS) OVER ALL REPS FOR
BAIRDIELLA CHRYSOURA

DATE	STATION TC1	TC2	TC3	T4
JULY 1983	0.0	6.2	0.0	0.0
AUGUST 1983	1.6	0.0	0.0	0.0
SEPTEMBER 1983	0.0	0.0	92.7	0.0
MAY 1984	41.3	0.2	0.2	0.0
TOTAL BIOMASS OVER ALL DATES	42.9	6.4	92.9	0.0