EFFECT OF FRESHWATER INFLOW ON MACROBENTHOS PRODUCTIVITY AND NITROGEN LOSSES IN TEXAS ESTUARIES

Paul A. Montagna, Principal Investigator
TWDB Contract No. 97-483-199
Technical Report Number TR/97-02

DECEMBER 1997

FINAL REPORT

EFFECT OF FRESHWATER INFLOW ON MACROBENTHOS PRODUCTIVITY AND NITROGEN LOSSES IN TEXAS ESTUARIES

by

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Interagency Cooperative Contract
TWDB Contract No. 97-483-199

The University of Texas Marine Science Institute
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PREFACE

The current contract period is a continuation of a long-term study with the goal to determine the importance of freshwater inflow in maintaining benthic productivity. All of the following scientific contributions have been performed during the contract periods. and acknowledged support, or partial support, by the Texas Water Development Board, Water Research Planning Fund, authorized under the Texas Water Code sections 15.402 and 16.058(e). This support was administered by the department under interagency cooperative contract numbers: (1986-87) 0757, 8-483-607, 9-483-705, 90-483-706, 91-483-787, 92-483-300, 93-483-352, 94-483-003, 95-483-068, 96-483-132, and most recently 97-483-199.

This is an iterative report, much like the Texas Parks and Wildlife, Data Management Series. Data is added to the time series, and the whole time series is reported so that year-to-year comparisons can be made. The report has several sections. First, all contributions that acknowledged the Texas Water Development Board for support during the entire project length are reported. These contributions represent the products of the research project. Second, is a compilation of biological and hydrographical data obtained over the course of the study. Third, is a compilation of all the sediment data on nitrogen losses that has been collected to date.

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ACKNOWLEDGEMENTS

I must acknowledge the significant contributions of Mr. Rick Kalke. Rick began the first sampling study of Lavaca Bay in 1984. He is an outstanding field person and taxonomist. The work reported on in this study could not have been performed without him. Carroll Simanek also provided significant help in data management. We obviously are collecting and processing a large amount of data. Input, proof-reading and maintenance of this large data set is a daunting task that Carroll handles very well. This work has also benefitted by discussions with colleagues at the Texas Water Development Board (TWDB), e.g., Gary Powell, William Longley, and David Brock who have provided much help and guidance.

The Texas estuarine research reported here has been supplemented by other projects. The Lower Colorado River Authority recently supplemented the long-term study in Matagorda Bay by adding funding to sample additional stations in the Eastern arm of Matagorda Bay to study the effects of the diversion of the Colorado River. Several studies of the Laguna Madre were made possible by a program funded by the Texas Advanced Technology Program and Advanced Research Program. Long-term studies on the Nueces Estuary have been recently funded by the Texas Sea Grant Program and the Corpus Christi Bay National Estuary Program (CCBNEP). Both of these project utilized stations originally established by the TWDB projects in 1988. The primary focus of the Sea Grant program was to determine the role of climatic variability in controlling productivity in estuaries. In the CCBNEP study, TWDB stations were used as reference stations for assessing anthropogenic effects due to storm drain outfalls.

INTRODUCTION

The primary goal of the current research program is to define quantitative relationships between marine resource populations and freshwater inflows to the State's bays and estuaries. However, we know that there is year-to-year variability in the population densities and successional events of estuarine communities. This year-to-year variability is apparently driven by long-term, and global-scale climatic events that affect the rates of freshwater inflow. Therefore, this report documents long-term changes in populations and communities that are influenced by freshwater inflow. The best indicator of productivity is the change in biomass of the community.

A secondary goal of the current research program is to quantify the loss of nitrogen in Texas estuaries. Nitrogen is the key element that limits productivity. A simple budget would account for nitrogen entering the bay via freshwater inflow, how it is captured and transformed into biomass, and finally how it is lost from the ecosystem. One aspect of nitrogen loss is very poorly understood: How much nitrogen is buried and lost from the system? We report here nitrogen content changes with respect to sediment depth. Presumably nitrogen is labile in the upper, biologically active, layers of sediment, and refractory at depth. Therefore, it is important to determine the sediment depth at which nitrogen content is at a low and constant value.

This study is a continuation of freshwater inflow studies that began in 1984. The goals have evolved over the years to reflect the synthesis of new information and the management needs of the Texas Water Development Board (TWDB). The original studies (1984-1986) were designed to determine the effect of inflow on Lavaca Bay. One station used during that study is still being sampled. San Antonio Bay was studied in 1987, and the Nueces Estuary (Nueces and Corpus Christi Bays) were studied in 1988. Long-term studies of the Lavaca-Colorado and Guadalupe Estuaries began in 1990. Although, there is ten years worth of data in some cases, we have not sampled over two entire wet-dry cycles. We have sampled over one and one-half cycles. We are currently beginning to enter a dry cycle. The completion of this research will take about two more years and should end when we enter the next wet cycle, which will be heralded by the next El Niño event.

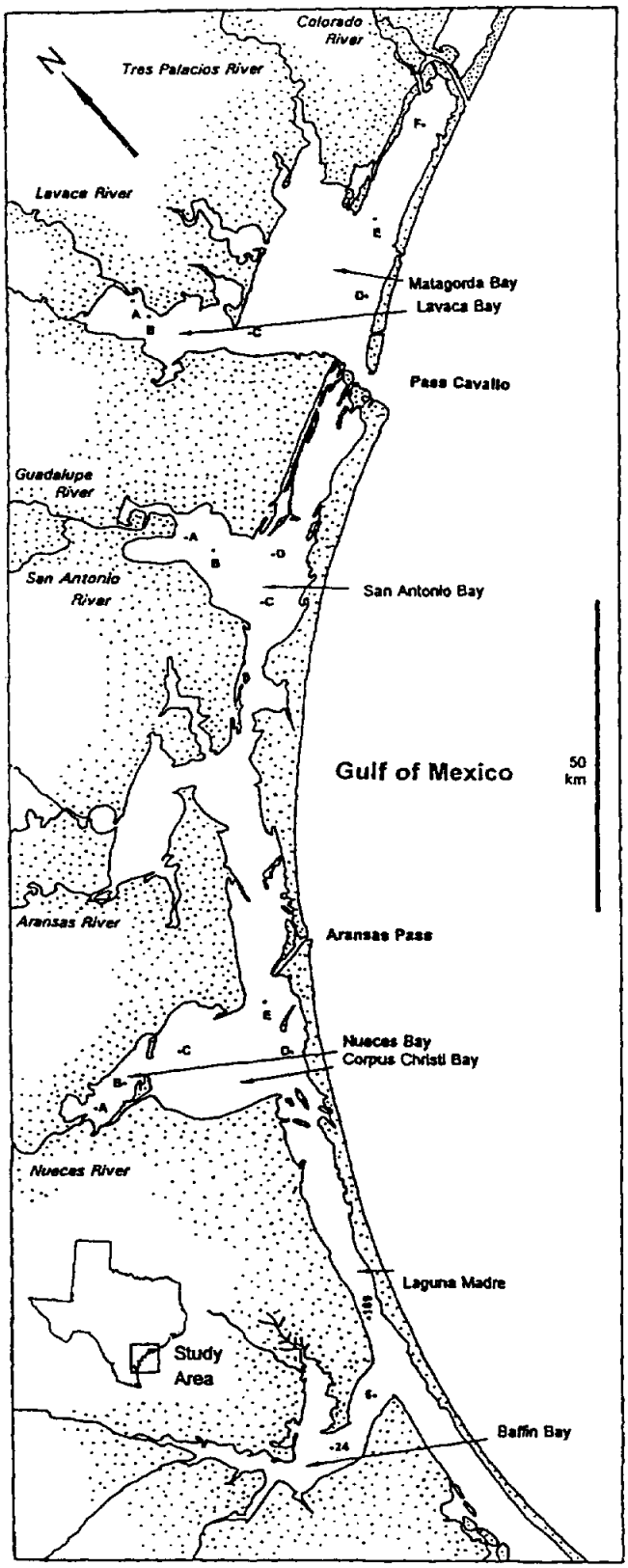
METHODS

Study Design and Area

There are seven major estuarine systems along the Texas coast. Each system receives drainage from one to three major rivers. The northeastern most estuaries receive more freshwater inflow than the southwestern estuaries. Two estuarine systems were studied in detail (Figure 1). Both systems have similar freshwater inflow characteristics, but the Lavaca-Colorado Estuary has direct exchange of marine water with the Gulf of Mexico via Pass Cavallo, whereas the Guadalupe Estuary does not. To assess ecosystem-wide variability stations in the freshwater influenced and marine influenced zones were chosen. Two stations, which replicate each of the two treatment effects (freshwater and marine) influence, were sampled. Generally these stations were along the major axis of the estuarine system leading from river mouth to the foot of the estuary near the barrier island. This design avoids pseudoreplication, where only one station has the characteristic of the main effect, and it is not possible to distinguish between station differences and treatment differences.

The Lavaca River empties into Lavaca Bay, which is connected to Matagorda Bay. Matagorda Bay also has freshwater input from the Colorado and Tres Palacios River. Over a 47-year period (1941-1987) the Lavaca-Colorado Estuary received an average of 3.800×10^9 m^3 y^{-1} with a standard deviation of 2.080 m^3 y^{-1} ($3.080 \pm 1.686 \times10^6$ ac-ft y^{-1}) of freshwater input, and the freshwater balance (input-output) was 3.392×10^9 m^3 y^{-1} with a standard deviation of 2.345×10^9 m^3 y^{-1} ($2.750 \pm 1.901 \times10^6$ ac-ft y^{-1}) (TDWR, 1980a; TWDB unpublished data). Four Stations were occupied along the axis of the system. Two stations were in Lavaca Bay (A and B), and two stations were in Matagorda Bay (C and D) (Figure 3). Depths of stations A, B, C, and D were 1.3 m, 2.0 m, 3.1 m, and 4.2 m, respectively. Five field trips were performed. Station A in Lavaca Bay was the same station 85 sampled in 1984-1986 (Jones et al., 1986).

The San Antonio River joins the Guadalupe River that flows into San Antonio Bay. Over a 46-year period the Guadalupe Estuary received an average of 2.896×10^9 m^3 y^{-1} with a standard deviation of 1.597 m^3 y^{-1} ($2.347 \pm 1.295 \times10^6$ ac-ft y^{-1}) of freshwater input, and the freshwater balance (input-output) was 2.624×10^9 m^3 y^{-1} with a standard deviation of 1.722×10^9 m^3 y^{-1} (2.127 $\pm$ 1.396 $\times10^6$ ac-ft y^{-1}) (TDWR, 1980b; TWDB unpublished data). This system was studied from January through July 1987. Four stations were occupied: freshwater influenced stations at the head of the bay (station A) and at mid-bay (station B), and two marine influenced stations near the Intracoastal Waterway, one at the southwestern foot of the bay (station C) and one at the



southeastern foot of the bay (station D) (Fig. 1). Stations were sampled five times in the first year. All stations were in shallow water. Depths of stations A, B, C, and D were 1.3 m, 1.9 m, 2.0 m, and 1.6 m, respectively.

Hydrographic Measurements

Salinity, conductivity, temperature, pH, dissolved oxygen, and redox potential were measured at the surface and bottom at each station during each sampling trip. Measurements were made by lowering a probe made by Hydrolab Instruments. Salinities levels are automatically corrected to 25°C. The manufacturer states that the accuracy of salinity measurements are 0.1 ppt. When the Hydrolab instrument was not working, water samples were collected from just beneath the surface and from the bottom in jars, and refractometer readings were made at the surface.

Figure 1. The Texas Coastal Bend lagoonal estuaries with major rivers, tidal inlets, and station locations.

Geological Measurements

Sediment grain size analysis was also performed. Sediment core samples were taken by diver and sectioned at depth intervals 0-3 cm and 3-10 cm. Analysis followed standard geologic procedures (Folk, 1964; E. W. Behrens, personal communication). Percent contribution by weight was measured for four components: rubble (e.g. shell hash), sand, silt, and clay. A 20 cm^3 sediment sample was mixed with 50 ml of hydrogen peroxide and 75 ml of deionized water to digest organic material in the sample. The sample was wet sieved through a 62 μm mesh stainless steel screen using a vacuum pump and a Millipore Hydrosol SST filter holder to separate rubble and sand from silt and clay. After drying, the rubble and sand were separated on a 125 μm screen. The silt and clay fractions were measured using pipette analysis.

Biological Measurements

Sediment was sampled with core tubes held by divers. The macrofauna were sampled with a tube 6.7 cm in diameter, and sectioned at depth intervals of 0-3 cm and 3-10 cm. Three replicates were taken within a 2 m radius. Samples were preserved with 5% buffered formalin, sieved on 0.5 mm mesh screens, sorted, identified to the lowest taxonomic level possible, and counted.

Each macrofauna sample was also used to measure biomass. Individuals were combined into higher taxa categories, i.e., Crustacea, Mollusca, Polychaeta, Ophiuroidea, and all other taxa were placed together in one remaining sample. Samples were dried for 24 h at 55 °C, and weighed. Before drying, mollusks were placed in 1 N HCl for 1 min to 8 h to dissolve the carbonate shells, and washed with fresh water.

Sediment Nitrogen Measurements

All Texas estuaries have been studied. The Sabine-Neches and Trinity-San Jacinto Estuaries were sampled in 1993. The Lavaca-Colorado and Guadalupe Estuaries were sampled in 1990, and resampled in 1992. The Nueces Estuary and Baffin Bay were sampled in 1991. Our approach is to take sediments cores and measure nitrogen changes with respect to sediment depth. Cores are taken to a depth of 1 m. One-cm sediment sections are taken at the depth intervals listed. The sediment is dried, ground up, and homogenized. Carbon and nitrogen content, as a percent dry weight of sediment, is measured using a CHN analyzer.

Station Locations

Estuary	Station	Latitude (N)	Longitude (W)
Sabine-Neches	1	29.57.134	93.49.484
	2	29.54.399	93.48.462
	3	29.52.293	93.51.319
	4	29.51.596	93.51.319
	5	29.49.591	93.51.420
	6	29.47.589	93.55.030
Trinity-San Jacinto	1	29.42.067	94.44.379
	2	29.37.452	94.49.424
	3	29.33.208	94.59.441
	4	29.22.590	94.50.344
	5	29.26.361	94.43.104
Lavaca-Colorado	A	28.40.439	96.34.950
	B	28.38.192	96.34.985
	C	28.32.482	96.28.082
	D	28.28.661	96.17.230
	E	28.33.162	96.12.558
	F	28.35.767	96.02.456
Guadalupe	A	28.23.611	96.46.344
	B	28.20.866	96.44.744
	C	28.14.920	96.45.619
	D	28.18.126	96.41.061
Mission-Aransas	A	28.03.983	97.12.778
	B	28.07.759	97.02.832
	C	28.04.513	96.56.798
	D	27.57.651	97.00.372
	E	27.47.000	64.16.000

	F	28.00.870	96.59.338
Nueces	A	27.50.985	97.28.249
	B	27.50.855	97.23.969
	C	27.49.312	97.21.077
	D	27.42.600	97.10.733
	E	27.47.000	97.45.000
	F	27.50.416	97.25.769
	G	27.47.000	97.16.000
Baffin Bay	24	27.15.833	97.33.085
	18	27.15.292	97.30.569
	12	27.16.067	97.29.401
	6	27.16.605	97.25.655
Laguna Madre	189	27.20.994	97.23.543
	155	27.25.448	97.20.480

RESULTS

Hydrographic Data

Hydrographic measurements. Abbreviations: STA=Station, Z=Depth, SAL(R)=Salinity by refractometer, SAL(M)=Salinity by meter, COND=Conductivity, TEMP=Temperature, DO=dissolved oxygen, and ORP=oxidation redox potential. Missing values show with a period.

Lavaca-Colorado Estuary

Date	STA	z	SAL(R)	SAL(M)	COND	TEMP	pH	DO	ORP
18APR88	A	0.00	25	23.7	37.30	24.10	0.00	8.50	0.000
18APR88	A	1.10	25	23.7	37.30	0.00	0.00	0.00	0.000
18APR88	B	0.00	29	27.3	42.20	23.30	0.00	8.80	0.000
18APR88	B	2.15	29	27.2	42.30	23.20	0.00	8.00	0.000
18APR88	C	0.00	34	31.0	44.80	22.90	0.00	0.00	0.000
18APR88	C	3.10	34	29.1	47.40	21.60	0.00	0.00	0.000
18APR88	D	0.00	34	31.2	46.90	22.40	0.00	8.30	0.000
18APR88	D	4.40	34	30.6	47.70	21.50	0.00	0.00	0.000
19JUL88	A	0.00	28	27.3	42.40	29.90	0.00	0.00	0.000
19JUL88	A	2.00	28	27.3	42.40	29.90	0.00	0.00	0.000
19JUL88	B	0.00	30	28.6	44.10	30.50	0.00	0.00	0.000
19JUL88	B	2.00	30	28.6	44.10	30.50	0.00	0.00	0.000
19JUL88	C	0.00	33	31.5	48.20	29.40	0.00	6.30	0.000
19JUL88	C	2.50	33	31.5	48.20	29.60	0.00	0.00	0.000
19JUL88	D	0.00	32	32.3	492.0	29.80	0.00	0.00	0.000
19JUL88	D	4.00	32	32.3	49.20	29.80	0.00	0.00	0.000
22NOV88	A	0.00	32	32.7	49.80	13.80	0.00	8.90	0.000
22NOV88	A	1.00	32	32.9	50.00	13.90	0.00	8.80	0.000
22NOV88	B	0.00	33	34.5	52.20	14.50	0.00	8.80	0.000
22NOV88	B	1.75	33	34.6	52.40	14.60	0.00	8.60	0.000
22NOV88	C	0.00	35	35.2	53.20	15.40	0.00	8.80	0.000
22NOV88	C	2.50	35	35.3	53.30	15.50	0.00	8.50	0.000
22NOV88	D	0.00	35	34.4	52.10	16.70	0.00	8.50	0.000
22NOV88	D	4.00	0	35.1	53.00	16.70	0.00	8.30	0.000
05APR89	A	1.10	0	23.0	0.00	21.80	0.00	0.00	0.000
05APR89	B	2.10	0	23.0	0.00	20.30	0.00	0.00	0.000
05APR89	C	3.10	0	23.0	0.00	21.40	0.00	0.00	0.000
05APR89	D	4.40	0	23.0	0.00	21.00	0.00	0.00	0.000
22JUL89	A	1.10	0	22.2	0.00	29.50	0.00	0.00	0.000
22JUL89	B	2.10	0	25.8	0.00	29.00	0.00	0.00	0.000
22JUL89	C	3.10	0	28.2	0.00	31.00	0.00	0.00	0.000
22JUL89	D	4.40	0	36.1	0.00	31.00	0.00	0.00	0.000
05DEC89	A	0.00	27	.	0.00	10.40	8.00	11.80	0.000
05DEC89	A	1.50	27	.	0.00	10.20	7.90	11.90	0.000
05DEC89	B	0.00	28	.	0.00	10.30	7.80	12.20	0.000
05DEC89	B	2.00	28	.	0.00	10.30	7.80	12.10	0.000
05DEC89	C	0.00	28	.	0.00	11.30	7.80	11.80	0.000
05DEC89	C	3.60	28	.	0.00	11.00	7.80	11.20	0.000
05DEC89	D	0.00	29	.	0.00	12.40	8.00	10.80	0.000
05DEC89	D	4.00	29	.	0.00	12.10	7.80	10.40	0.000
10APR90	A	0.00	20	19.4	31.00	19.77	8.23	8.20	0.000

10APR90	A	1.50	20	19.0	31.50	19.77	8.23	8.08	0.000
10APR90	B	0.00	20	21.6	33.10	19.96	8.26	8.67	0.000
10APR90	B	2.20	20	20.6	34.60	19.85	8.27	8.15	0.000
10APR90	C	0.00	26	26.1	40.50	19.90	8.25	8.15	0.000
10APR90	C	3.20	26	26.0	40.60	19.79	8.25	7.94	0.000
10APR90	D	0.00	27	27.6	41.70	20.41	8.34	8.63	0.000
10APR90	D	4.60	27	26.7	42.90	19.95	8.30	7.68	0.000
31JUL90	A	0.00	0	11.9	16.50	31.52	8.66	8.36	1.080
31JUL90	A	1.10	0	9.4	20.30	31.10	8.49	7.02	1.190
31JUL90	B	0.00	0	16.5	22.60	30.67	8.43	6.61	0.115
31JUL90	B	1.50	0	13.5	27.20	30.10	8.31	5.91	0.122
31JUL90	C	0.00	0	22.3	35.10	31.32	8.29	6.39	0.119
31JUL90	C	2.30	0	22.0	35.50	30.51	8.27	6.00	0.119
31JUL90	D	0.00	0	28.4	43.30	29.65	8.25	5.88	0.120
31JUL90	D	3.90	0	27.9	44.00	29.60	8.27	5.73	0.118
23OCT90	A	0.00	22	23.5	37.30	19.09	8.17	8.90	0.159
23OCT90	A	1.40	22	26.8	42.00	18.87	8.15	8.07	0.161
23OCT90	B	0.00	22	24.7	38.80	18.67	8.18	9.06	0.156
23OCT90	B	2.20	22	27.3	42.90	17.75	8.09	6.64	0.160
23OCT90	C	0.00	28	30.9	47.60	19.10	8.24	6.98	0.148
23OCT90	C	3.30	28	31.2	47.90	18.98	8.24	6.79	0.149
23OCT90	D	0.00	30	32.3	49.40	18.95	8.29	6.47	0.142
23OCT90	D	4.70	30	32.4	49.50	18.97	8.29	6.35	0.142
25JAN91	A	0.00	6	7.9	14.06	12.43	8.45	12.12	0.145
25JAN91	A	1.10	6	9.5	16.50	10.68	8.43	12.98	0.148
25JAN91	B	0.00	8	8.6	15.20	13.60	8.41	11.71	0.143
25JAN91	B	1.70	8	11.5	19.60	10.72	8.44	11.81	0.147
25JAN91	C	0.00	16	17.2	36.60	10.70	8.19	8.60	0.141
25JAN91	C	2.70	16	22.7	36.60	11.52	8.19	8.60	0.141
25JAN91	D	0.00	20	21.1	33.80	11.96	8.23	9.98	0.147
25JAN91	D	4.20	20	21.9	35.00	11.39	8.16	8.94	0.150
24APR91	A	0.00	3	2.4	5.21	24.98	7.95	8.48	0.143
24APR91	A	1.20	3	2.4	5.23	24.95	7.95	8.26	0.143
24APR91	B	0.00	4	4.3	8.35	24.31	7.92	8.24	0.147
24APR91	B	2.00	4	4.3	8.40	24.30	7.92	8.16	0.148
24APR91	C	0.00	10	10.4	18.10	23.64	7.88	8.03	0.145
24APR91	C	3.10	10	11.8	20.30	23.65	7.84	6.50	0.148
24APR91	D	0.00	20	20.9	33.50	23.79	7.87	7.34	0.152
24APR91	D	4.30	20	23.4	36.90	23.64	7.81	5.74	0.154
24JUL91	A	0.00	8	7.4	13.65	29.66	8.40	7.34	0.135
24JUL91	A	1.40	8	7.6	13.72	29.60	8.39	7.10	0.135
24JUL91	B	0.00	12	12.5	20.20	29.98	8.11	6.82	0.149
24JUL91	B	2.10	12	13.1	22.00	29.53	8.12	6.38	0.136
24JUL91	C	0.00	21	20.6	33.10	29.64	7.68	6.12	0.211
24JUL91	C	3.10	21	23.9	37.70	30.02	7.50	2.89	0.215
24JUL91	D	0.00	32	31.4	48.30	29.70	7.85	5.19	0.170
24JUL91	D	4.50	32	32.6	49.50	29.73	7.67	3.18	0.175
14OCT91	A	0.00	16	16.2	26.30	26.20	8.52	7.35	0.099
14OCT91	A	1.20	16	16.3	26.50	24.98	8.50	8.30	0.100
14OCT91	B	0.00	17	16.8	27.20	25.30	8.32	7.90	0.098
14OCT91	B	2.00	17	20.0	32.00	24.55	8.41	7.76	0.099
14OCT91	C	0.00	25	22.5	35.60	23.90	8.31	7.50	0.129
14OCT91	C	3.20	25	22.9	36.10	23.60	8.26	6.36	0.129
14OCT91	D	0.00	28	26.5	41.40	24.30	8.16	7.75	0.122
14OCT91	D	4.40	28	31.6	48.50	24.99	8.04	5.88	0.130
20JAN92	A	0.00	0	0.1	1.23	9.23	8.15	10.68	0.203
20JAN92	A	1.10	0	3.9	8.41	9.62	7.99	9.68	0.220

20JAN92	B	0.00	0	3.0	6.23	8.80	8.12	10.71	0.182
20JAN92	B	1.90	0	14.2	24.00	9.71	8.16	9.28	0.193
20JAN92	C	0.00	10	13.0	21.90	8.44	8.35	10.83	0.164
20JAN92	C	2.60	10	24.8	38.90	11.39	8.18	8.14	0.170
20JAN92	D	0.00	14	16.0	25.90	9.94	8.28	9.49	0.162
20JAN92	D	4.10	14	27.9	43.40	12.30	8.13	7.57	0.167
06APR92	A	0.00	1	0.6	1.98	18.26	8.79	8.21	0.099
06APR92	A	1.30	1	5.5	10.08	17.75	8.65	7.84	0.107
06APR92	B	0.00	7	6.6	12.08	18.16	8.91	9.38	0.095
06APR92	B	2.10	7	9.7	17.00	18.00	8.83	7.71	0.100
06APR92	C	0.00	14	13.1	22.30	18.45	8.97	9.22	0.091
06APR92	C	3.10	14	17.5	31.60	18.10	8.91	6.36	0.096
06APR92	D	0.00	16	16.6	26.80	19.73	8.74	8.41	0.108
06APR92	D	4.50	16	24.4	38.40	18.77	8.91	7.36	0.103
12JUL92	A	0.00	6	4.8	9.19	28.56	8.05	6.91	0.238
12JUL92	A	1.20	6	4.8	9.31	28.57	8.06	6.78	0.245
12JUL92	B	0.00	11	10.2	16.90	28.84	8.03	6.81	0.253
12JUL92	B	1.80	11	10.2	17.40	28.84	8.02	6.63	0.256
12JUL92	C	0.00	21	21.5	33.20	29.20	7.91	6.30	0.253
12JUL92	C	2.70	21	21.6	34.30	29.10	7.93	6.16	0.255
12JUL92	D	0.00	32	31.9	48.90	28.54	7.89	6.28	0.243
12JUL92	D	4.10	32	32.9	50.10	28.12	7.92	4.25	0.248
06OCT92	A	0.00	22	19.6	31.70	25.28	8.99	8.25	0.186
06OCT92	A	1.40	22	19.8	32.00	25.23	9.01	8.10	0.186
06OCT92	B	0.00	25	23.0	36.50	24.66	8.56	7.73	0.190
06OCT92	B	2.20	25	23.0	36.50	24.60	8.84	7.54	0.187
06OCT92	C	0.00	28	25.9	40.40	24.52	8.46	7.35	0.187
06OCT92	C	3.50	28	26.4	41.30	24.37	8.51	6.37	0.192
06OCT92	D	0.00	31	27.0	42.10	24.27	8.18	6.80	0.201
06OCT92	D	4.60	31	27.0	42.00	24.22	8.38	6.52	0.206
12JAN93	A	0.00	2	2.9	6.07	11.49	7.78	11.33	0.318
12JAN93	A	1.10	2	16.0	27.00	12.07	7.62	8.77	0.330
12JAN93	B	0.00	5	7.5	13.52	10.88	7.76	11.52	0.305
12JAN93	B	1.70	5	21.0	34.00	12.81	7.66	9.03	0.312
12JAN93	C	0.00	20	20.3	32.20	11.69	7.72	10.44	0.306
12JAN93	C	2.80	20	21.3	33.90	11.90	7.70	9.62	0.307
12JAN93	D	0.00	22	23.2	36.60	12.53	7.85	10.30	0.294
12JAN93	D	4.00	22	27.2	42.10	14.30	7.73	7.92	0.297
12JAN93	E	0.00	18	20.1	32.00	14.42	8.34	9.30	0.175
12JAN93	E	3.10	18	22.2	35.20	14.46	8.38	8.16	0.195
12JAN93	F	0.00	12	13.9	22.90	15.93	8.70	10.08	0.168
12JAN93	F	1.20	12	14.6	24.00	15.99	8.74	9.37	0.187
05APR93	A	0.00	0	0.0	0.69	17.41	7.98	10.16	0.191
05APR93	A	1.10	0	0.0	0.70	17.38	8.01	10.06	0.194
05APR93	B	0.00	8	8.3	14.74	17.82	7.77	9.74	0.266
05APR93	B	1.80	8	10.4	18.30	17.72	7.78	8.88	0.266
05APR93	C	0.00	15	15.2	25.50	18.84	7.76	9.30	0.267
05APR93	C	2.80	15	15.3	25.50	18.85	7.78	8.83	0.265
05APR93	D	0.00	0	20.0	31.90	19.16	7.91	9.05	0.257
05APR93	D	3.90	0	20.9	33.50	19.02	7.91	8.35	0.257
05APR93	E	0.00	16	15.6	26.00	19.69	7.92	9.60	0.258
05APR93	E	3.20	16	16.9	27.70	19.22	7.90	8.40	0.259
05APR93	F	0.00	4	1.6	4.06	18.63	8.23	10.66	0.241
05APR93	F	1.00	4	5.6	11.48	17.55	7.97	9.32	0.256
09JUL93	A	0.00	3	0.8	2.45	28.09	8.03	7.03	0.216
09JUL93	A	1.10	3	0.8	2.51	28.12	8.12	6.85	0.218
09JUL93	B	0.00	2	0.0	1.05	28.37	7.78	6.85	0.239

09JUL93	B	1.80	2	1.7	4.20	28.12	8.08	6.53	0.230
09JUL93	C	0.00	8	5.6	10.44	28.60	7.95	6.88	0.230
09JUL93	C	2.90	8	5.6	10.46	28.59	7.97	6.75	0.229
09JUL93	D	0.00	13	11.3	19.40	28.53	8.10	7.27	0.232
09JUL93	D	4.10	13	28.0	43.70	27.80	7.35	1.92	0.264
09JUL93	E	0.00	12	11.0	18.80	29.18	8.04	7.30	0.219
09JUL93	E	3.30	12	13.4	22.90	28.94	7.80	4.57	0.231
09JUL93	F	0.00	12	10.4	18.00	29.69	8.02	7.29	0.225
09JUL93	F	1.10	12	13.3	23.60	28.27	7.90	5.94	0.235
11OCT93	A	0.00	18	16.6	27.10	23.37	8.06	7.05	0.230
11OCT93	A	1.30	18	19.4	31.80	24.31	8.04	6.07	0.235
11OCT93	B	0.00	22	20.4	32.80	23.74	8.03	7.64	0.241
11OCT93	B	2.20	22	23.3	37.00	24.96	8.11	6.34	0.260
11OCT93	C	0.00	28	26.1	40.90	25.06	8.10	7.03	0.262
11OCT93	C	3.20	28	28.2	43.80	25.90	8.10	5.56	0.269
11OCT93	D	0.00	28	26.9	42.00	26.11	8.03	7.23	0.224
11OCT93	D	4.60	28	29.3	45.20	25.49	8.11	6.09	0.241
11OCT93	E	0.00	32	29.3	45.10	25.64	8.18	6.41	0.228
11OCT93	E	3.70	32	29.4	45.40	25.48	8.18	5.97	0.230
11OCT93	F	0.00	28	26.1	40.90	24.90	8.20	7.50	0.232
11OCT93	F	1.60	28	28.5	44.50	25.04	8.20	6.74	0.234
05JAN94	A	0.00	18	18.4	30.00	11.24	8.17	9.61	0.266
05JAN94	A	0.80	18	18.4	30.00	11.24	8.17	9.29	0.266
05JAN94	B	0.00	22	22.6	35.80	11.47	8.16	9.50	0.246
05JAN94	B	1.40	22	23.4	37.10	11.57	8.09	8.79	0.248
05JAN94	C	0.00	25	26.2	40.90	11.97	8.07	9.14	0.234
05JAN94	C	2.60	25	26.2	41.00	11.96	8.06	8.95	0.234
05JAN94	D	0.00	27	27.3	42.30	12.84	8.05	8.91	0.226
05JAN94	D	3.90	27	30.0	46.10	13.71	8.00	7.88	0.227
05JAN94	E	0.00	25	25.2	39.40	12.17	8.09	9.24	0.220
05JAN94	E	2.00	25	25.2	39.50	12.08	8.07	8.76	0.207
05JAN94	F	0.00	18	16.6	27.20	13.12	8.33	10.64	0.208
05JAN94	F	1.00	18	16.7	27.40	13.00	8.32	10.47	0.210
07APR94	A	0.00	15	14.0	23.80	15.61	7.66	8.88	0.091
07APR94	A	1.30	15	14.2	24.00	15.74	7.77	8.65	0.094
07APR94	B	0.00	20	20.1	33.50	16.73	7.38	9.29	0.085
07APR94	B	2.00	20	21.3	34.20	16.80	7.78	7.95	0.098
07APR94	C	0.00	25	24.9	39.00	17.60	7.71	7.77	0.127
07APR94	C	3.00	25	25.2	39.60	17.78	7.86	7.42	0.131
07APR94	D	0.00	26	25.9	40.50	17.81	7.74	8.05	0.149
07APR94	D	4.30	26	27.1	42.20	17.79	7.94	7.08	0.154
07APR94	E	0.00	26	25.4	39.80	17.95	7.68	8.55	0.159
07APR94	E	3.50	26	25.5	40.00	17.70	7.81	7.63	0.166
07APR94	F	0.00	22	19.7	32.10	17.32	7.68	9.75	0.193
07APR94	F	1.40	22	21.9	35.60	16.46	7.76	8.03	0.199
07JUL94	A	1.10	10	6.4	11.83	29.06	8.07	10.42	0.140
07JUL94	A	6.40	10	.	0.14	29.06	10.4	11.83	1.100
07JUL94	B	0.00	14	12.2	20.80	29.35	8.09	10.25	0.129
07JUL94	B	1.80	14	12.8	21.10	29.33	8.07	8.45	0.138
07JUL94	C	0.00	28	26.0	40.00	29.26	8.09	9.81	0.136
07JUL94	C	2.80	28	26.5	40.40	29.28	8.10	8.55	0.131
07JUL94	D	0.00	32	31.5	47.90	28.82	7.96	9.20	0.140
07JUL94	D	3.90	32	33.4	51.40	28.05	7.70	4.56	0.112
07JUL94	E	0.00	25	24.1	38.00	30.09	8.13	9.80	0.134
07JUL94	E	3.40	25	29.0	45.10	29.06	7.56	3.90	0.120
07JUL94	F	0.00	22	21.3	34.00	30.78	7.94	7.20	0.132
07JUL94	F	1.30	22	21.3	34.00	30.72	7.96	6.92	0.134

20OCT94	A	0.00	2	0.0	0.16	21.94	8.71	7.44	0.173
20OCT94	A	1.90	2	0.0	0.16	21.92	8.64	7.12	0.176
20OCT94	B	0.00	.	0.0	0.17	22.00	8.98	6.90	0.136
20OCT94	B	2.50	.	0.0	0.19	21.92	8.83	6.78	0.140
20OCT94	C	0.00	3	3.3	6.64	23.26	8.23	6.23	0.158
20OCT94	C	3.10	3	26.1	41.40	25.46	8.00	5.88	0.181
20OCT94	D	0.00	15	6.4	11.71	25.57	8.11	7.21	0.158
20OCT94	D	4.20	15	28.1	43.50	24.41	8.06	6.08	0.174
20OCT94	E	0.00	5	0.7	2.36	25.21	8.30	4.04	0.142
20OCT94	E	3.50	5	26.9	42.50	25.28	8.03	5.55	0.173
20OCT94	F	0.00	4	0.0	0.74	24.24	8.46	4.06	0.129
20OCT94	F	1.30	4	21.7	35.50	24.69	7.83	0.63	0.172
10JAN95	A	0.00	18	15.0	24.60	14.98	7.75	10.73	0.752
10JAN95	A	1.00	18	15.0	24.60	14.75	0.00	10.70	1.301
10JAN95	B	0.00	15	13.2	22.50	14.21	8.15	11.00	0.214
10JAN95	B	1.60	15	18.9	30.80	13.46	0.00	12.93	0.760
10JAN95	C	0.00	23	20.0	32.70	13.53	0.00	10.52	1.328
10JAN95	C	2.60	23	25.8	40.60	13.19	0.00	8.90	1.709
10JAN95	D	0.00	26	23.7	38.00	12.72	8.08	10.08	0.223
10JAN95	D	4.00	26	29.0	44.20	14.03	0.00	8.44	0.409
10JAN95	E	0.00	22	18.2	29.50	13.81	8.39	12.84	0.207
10JAN95	E	3.30	22	24.0	38.00	11.85	0.00	6.18	0.550
10JAN95	F	1.00	19	15.2	25.10	14.73	8.68	16.36	0.196
06APR95	A	0.00	5	1.6	3.80	18.73	0.00	7.99	0.000
06APR95	A	1.60	5	10.0	17.20	19.36	0.00	6.05	0.000
06APR95	B	0.00	6	4.9	9.62	19.01	8.20	8.23	0.296
06APR95	B	2.40	6	11.4	19.80	19.66	0.00	6.41	1.257
06APR95	C	0.00	20	19.0	30.80	19.71	0.00	7.95	1.534
06APR95	C	3.40	20	19.7	31.80	19.64	0.00	7.04	1.960
06APR95	D	0.00	20	23.1	36.80	19.66	0.00	8.29	1.565
06APR95	D	4.70	20	23.4	37.10	19.23	0.00	7.51	0.000
06APR95	E	0.00	24	21.0	33.80	19.81	0.00	8.46	0.180
06APR95	E	3.70	24	22.7	36.20	19.40	0.00	6.78	1.130
06APR95	F	0.00	8	3.8	7.58	20.25	0.00	7.97	0.230
06APR95	F	2.20	8	21.3	34.80	19.50	0.00	3.92	1.157
06JUL95	A	0.00	9	5.3	9.97	28.40	8.15	7.26	0.150
06JUL95	A	1.20	9	6.7	12.87	28.60	8.01	6.46	0.154
06JUL95	B	0.00	12	8.6	15.30	28.41	8.00	7.32	0.125
06JUL95	B	1.70	12	12.7	21.50	28.65	7.95	6.42	0.131
06JUL95	C	0.00	22	19.3	31.20	28.72	8.04	6.97	0.136
06JUL95	C	2.70	22	19.6	31.70	28.71	8.03	6.54	0.137
06JUL95	D	0.00	28	24.4	38.50	29.20	7.99	6.94	0.146
06JUL95	D	3.90	28	25.5	40.30	29.17	7.94	5.76	0.149
06JUL95	E	0.00	25	22.0	35.00	29.40	7.93	7.18	0.136
06JUL95	E	3.10	25	23.1	36.70	29.07	7.87	5.81	0.140
06JUL95	F	0.00	22	19.0	30.70	29.04	8.00	7.01	0.153
06JUL95	F	1.10	22	19.4	31.40	28.28	8.03	6.30	0.153
04OCT95	A	0.00	20	16.3	26.80	23.61	8.09	6.55	0.149
04OCT95	A	1.40	20	16.8	27.40	23.70	8.07	6.36	0.152
04OCT95	B	0.00	23	22.7	36.00	24.45	8.09	6.13	0.121
04OCT95	B	2.40	23	24.6	38.80	25.53	8.06	5.34	0.122
04OCT95	C	0.00	28	27.4	42.60	25.51	8.20	5.93	0.098
04OCT95	C	3.50	28	27.5	42.70	25.43	8.20	5.76	0.098
04OCT95	D	0.00	28	26.7	41.70	25.44	8.19	6.07	0.095
04OCT95	D	4.50	17	27.0	42.10	24.64	8.13	5.79	0.098
04OCT95	E	0.00	28	27.0	42.20	25.63	8.14	7.00	0.095
04OCT95	E	3.80	28	27.3	42.40	25.30	8.16	5.81	0.098

04OCT95	F	0.00	22	19.8	31.90	24.28	8.06	6.74	0.098
04OCT95	F	1.80	22	23.3	36.90	24.40	8.06	4.95	0.101
09JAN96	A	0.00	22	20.5	33.10	5.84	8.38	11.12	0.108
09JAN96	A	0.90	22	23.0	35.70	6.98	8.34	11.00	0.108
09JAN96	B	0.00	20	19.2	31.10	2.99	8.29	11.43	0.108
09JAN96	B	1.60	20	25.0	38.60	7.32	8.29	10.80	0.110
09JAN96	C	0.00	24	24.4	38.50	7.80	8.24	10.31	0.108
09JAN96	C	2.50	24	29.0	45.00	8.96	8.20	9.67	0.110
09JAN96	D	0.00	25	25.2	39.70	8.90	8.21	10.42	0.113
09JAN96	D	3.40	25	33.2	50.90	11.18	8.18	9.12	0.115
09JAN96	E	0.00	23	22.3	35.50	9.28	8.31	10.57	0.110
09JAN96	E	2.80	23	24.9	38.60	7.63	8.33	10.50	0.112
09JAN96	F	0.00	22	19.3	31.00	6.96	8.43	11.84	0.105
09JAN96	F	0.70	22	19.8	31.40	6.08	8.49	12.24	0.106
02APR96	A	0.00	25	24.4	38.40	18.22	8.12	8.08	0.309
02APR96	A	1.10	25	27.1	42.30	17.97	8.10	8.12	0.311
02APR96	B	0.00	32	28.8	44.60	17.25	8.19	8.58	0.286
02APR96	B	1.60	32	29.0	44.80	17.22	8.23	8.64	0.286
02APR96	C	0.00	32	29.4	45.50	17.27	8.23	8.46	0.249
02APR96	C	2.60	32	29.7	45.80	17.20	8.25	8.42	0.250
02APR96	D	0.00	32	29.4	45.60	17.02	8.23	8.21	0.231
02APR96	D	3.80	32	32.3	49.50	19.96	8.38	7.99	0.232
02APR96	E	0.00	32	28.7	44.50	17.53	8.23	8.25	0.225
02APR96	E	3.10	32	28.7	44.50	17.51	8.26	8.27	0.227
02APR96	F	0.00	25	22.5	35.80	18.89	8.36	9.32	0.214
02APR96	F	0.90	25	22.5	35.80	18.89	8.37	9.38	0.216
09JUL96	A	0.00	20	16.7	27.30	30.16	8.12	5.44	0.189
09JUL96	A	1.00	20	16.8	27.60	30.08	8.11	5.14	0.190
09JUL96	B	0.00	28	22.8	36.20	30.23	7.89	5.61	0.168
09JUL96	B	1.60	28	25.6	40.10	30.35	7.89	4.68	0.172
09JUL96	C	0.00	34	27.9	43.30	30.73	7.94	5.11	0.173
09JUL96	C	2.40	34	27.9	43.30	30.69	7.94	4.76	0.063
09JUL96	D	0.00	35	30.3	46.70	30.52	7.82	5.38	0.166
09JUL96	D	4.00	35	30.7	47.20	30.32	7.87	4.86	0.165
09JUL96	E	0.00	33	29.9	46.00	30.88	7.87	5.54	0.178
09JUL96	E	3.00	33	29.9	46.00	30.71	7.83	5.09	0.173
09JUL96	F	0.00	30	26.3	41.10	30.86	7.96	6.26	0.189
09JUL96	F	1.10	30	26.3	41.10	30.84	7.99	6.22	0.190
14OCT96	A	0.00	20	17.5	28.60	23.36	7.57	6.93	0.214
14OCT96	A	1.30	20	17.6	28.70	23.23	7.54	6.69	0.216
14OCT96	B	0.00	21	20.6	32.90	23.59	7.78	7.10	0.226
14OCT96	B	1.90	21	21.6	34.50	23.93	7.81	6.23	0.228
14OCT96	C	0.00	29	25.7	40.00	23.86	7.85	7.16	0.231
14OCT96	C	2.90	29	25.8	40.50	23.62	7.93	6.78	0.198
14OCT96	D	0.00	31	27.6	42.60	23.90	7.80	7.16	0.232
14OCT96	D	4.10	31	27.8	43.20	23.91	7.73	6.33	0.235
14OCT96	E	0.00	30	27.0	42.20	24.13	7.71	7.11	0.238
14OCT96	E	3.40	30	27.2	42.40	24.06	7.67	6.76	0.241
14OCT96	F	0.00	28	24.4	38.20	24.35	7.70	7.74	0.245
14OCT96	F	1.20	28	25.0	39.20	24.11	7.55	7.35	0.247
25JAN97	A	0.00	0	0.5	1.87	13.13	12.5	10.28	0.182
25JAN97	A	1.20	0	0.5	1.83	13.10	12.2	9.98	0.203
25JAN97	B	0.00	0	1.7	3.90	13.08	10.2	10.32	0.216
25JAN97	B	1.80	0	19.4	31.10	11.98	10.8	9.22	0.222
25JAN97	C	0.00	15	15.9	26.30	13.30	8.68	11.06	0.207
25JAN97	C	2.70	15	24.0	38.00	11.68	9.86	11.61	0.210
25JAN97	D	0.00	25	25.7	40.20	13.38	9.34	11.85	0.209

25JAN97	D	3.80	25	28.8	44.70	11.76	9.47	10.68	0.217
25JAN97	E	0.00	23	22.8	36.10	13.58	8.90	12.04	0.206
25JAN97	E	3.10	23	28.2	43.70	11.24	8.95	12.28	0.213
25JAN97	F	0.00	11	10.9	18.80	16.03	8.68	9.61	0.193
25JAN97	F	1.00	11	18.1	29.50	15.18	8.20	9.86	0.197
15APR97	A	0.00	0	0.0	0.17	16.77	7.59	7.81	0.267
15APR97	A	1.50	0	0.0	0.17	16.79	7.54	7.63	0.271
15APR97	B	0.00	0	0.0	0.17	16.35	7.93	8.24	0.240
15APR97	B	2.20	0	0.0	0.17	16.35	7.83	8.10	0.247
15APR97	C	0.00	1	2.1	4.74	15.67	7.84	9.71	0.232
15APR97	C	2.70	1	2.9	6.04	15.80	7.83	8.50	0.235
15APR97	D	0.00	8	8.2	14.63	15.72	7.90	9.88	0.230
15APR97	D	4.10	8	19.9	32.20	18.30	7.82	6.99	0.237
15APR97	E	0.00	5	5.8	10.75	15.87	8.10	10.57	0.229
15APR97	E	3.20	5	19.1	31.00	18.01	7.76	5.88	0.245
15APR97	F	0.00	2	1.4	3.48	16.74	8.03	9.87	0.219
15APR97	F	1.30	2	1.8	3.79	16.70	8.09	9.40	0.220
09JUL97	A	0.00	0	0.9	2.65	30.59	8.55	6.71	0.216
09JUL97	A	1.20	0	1.0	2.81	30.61	8.48	6.78	0.219
09JUL97	B	0.00	5	5.5	10.28	30.73	8.20	7.64	0.205
09JUL97	B	1.80	5	5.5	10.28	30.66	8.59	7.13	0.211
09JUL97	C	0.00	12	13.4	22.60	30.55	8.41	6.72	0.208
09JUL97	C	2.60	12	13.5	22.70	30.01	8.47	5.60	0.215
09JUL97	D	0.00	7	8.6	14.63	28.86	8.25	6.70	0.226
09JUL97	D	4.10	7	34.0	50.40	24.27	7.65	1.29	0.257
09JUL97	E	0.00	0	1.1	2.88	29.76	8.59	7.74	0.207
09JUL97	E	3.50	0	30.2	48.60	25.75	7.61	0.12	0.219
09JUL97	F	0.00	0	0.0	0.79	29.42	8.69	6.97	0.212
09JUL97	F	1.40	0	0.0	1.03	28.51	8.44	6.65	0.221

Guadalupe Estuary

Date	STA	z	SAL(R)	SAL(M)	COND	TEMP	pH	DO	ORP
28JAN87	A	1.25	.	0.3	.	14.40	.	.	.
28JAN87	B	1.80	.	0.4	.	14.80	.	.	.
30JAN87	C	2.00	.	6.5	.	15.50	.	.	.
30JAN87	D	1.50	.	4.1	.	15.80	.	.	.
03MAR87	A	1.25	.	0.2	.	15.00	.	.	.
03MAR87	B	1.80	.	0.4	.	16.00	.	.	.
03MAR87	C	2.00	.	6.9	.	16.00	.	.	.
03MAR87	D	1.50	.	12.5	.	17.50	.	.	.
04MAR87	A	1.00	.	0.2	.	15.00	.	.	.
04MAR87	A	0.00	.	0.2	.	15.00	.	.	.
04MAR87	B	1.90	.	0.4	.	16.00	.	.	.
04MAR87	B	0.00	.	0.4	.	16.00	.	.	.
04MAR87	C	2.00	.	6.9	.	16.00	.	.	.
04MAR87	C	0.00	.	0.2	.	16.60	.	.	.
04MAR87	D	1.60	.	12.5	.	17.50	.	.	.
04MAR87	D	0.00	.	5.1	.	18.50	.	.	.
08APR87	A	1.25	.	0.5	.	14.50	.	.	.
08APR87	B	1.80	.	6.3	.	15.20	.	.	.
10APR87	C	2.00	.	9.2	.	14.50	.	.	.
10APR87	D	1.50	.	13.2	.	14.90	.	.	.
03JUN87	A	0.00	.	0.5	1.50	26.70	.	9.40	.
03JUN87	A	1.25	.	1.0	1.50	26.20	.	9.40	.

03JUN87	B	0.00	.	4.3	7.70	26.00	7.90	.	.
03JUN87	B	1.80	.	4.6	.	26.70	.	.	.
03JUN87	C	0.00	.	3.4	6.30	26.50	.	.	.
03JUN87	C	2.00	.	4.3	6.60	26.20	.	.	.
03JUN87	D	0.00	.	7.6	13.00	25.90	.	9.40	.
03JUN87	D	1.50	.	9.9	13.00	26.40	.	9.20	.
15JUL87	A	1.25	.	0.4	.	30.50	.	.	.
15JUL87	B	1.80	.	0.4	.	30.00	.	.	.
15JUL87	C	2.00	.	1.1	.	30.50	.	.	.
15JUL87	D	1.50	.	0.9	.	30.50	.	.	.
18APR88	A	0.00	9	9.6	15.60	22.30	.	7.70	.
18APR88	A	1.25	.	9.2	16.20	21.90	.	.	.
18APR88	B	0.00	14	20.5	22.60	22.20	.	7.50	.
18APR88	B	1.75	.	13.7	32.70	22.00	.	.	.
18APR88	C	0.00	25	23.6	37.10	22.00	7.90	7.30	.
18APR88	C	2.00	.	23.6	37.10	22.10	.	22.10	.
18APR88	D	0.00	24	26.7	38.40	22.70	.	7.50	.
18APR88	D	1.60	.	24.5	41.50	22.10	.	7.10	.
07JUL88	A	0.00	10	10.0	.	28.40	.	.	.
07JUL88	A	1.25	10	10.0	.	28.40	.	.	.
07JUL88	B	0.00	21	21.0	.	29.30	.	.	.
07JUL88	B	1.80	21	21.0	.	29.30	.	.	.
08JUL88	C	0.00	26	26.0	.	28.90	.	.	.
08JUL88	C	2.00	26	26.0	.	28.90	.	.	.
08JUL88	D	0.00	32	32.0	.	28.90	.	.	.
08JUL88	D	1.50	32	32.0	.	28.90	.	.	.
06OCT88	A	0.00	15	15.0	.	24.00	.	.	.
06OCT88	B	0.00	22	22.0	.	24.00	.	.	.
06OCT88	C	0.00	29	29.0	.	24.00	.	.	.
22NOV88	A	0.00	.	18.5	25.60	16.10	.	10.30	.
22NOV88	A	1.25	.	15.7	29.70	15.50	.	10.10	.
22NOV88	B	0.00	.	24.9	38.00	16.50	.	9.60	.
22NOV88	B	1.75	.	24.2	39.00	15.40	.	8.20	.
22NOV88	C	0.00	.	30.2	42.80	17.00	.	9.80	.
22NOV88	C	1.78	.	27.6	46.40	16.00	.	9.20	.
22NOV88	D	0.00	.	30.7	43.30	15.70	.	9.90	.
22NOV88	D	1.50	.	28.0	47.00	15.90	.	12.30	.
04APR89	A	1.25	.	15.0	.	24.00	.	.	.
04APR89	B	1.80	.	18.0	.	23.70	.	.	.
04APR89	C	2.00	.	24.0	.	22.00	.	.	.
04APR89	D	1.50	.	24.0	.	23.90	.	.	.
23JUL89	A	1.25	.	15.9	.	31.50	.	.	.
23JUL89	B	1.80	.	19.4	.	31.50	.	.	.
23JUL89	C	2.00	.	28.4	.	31.30	.	.	.
23JUL89	D	1.50	.	29.0	.	31.50	.	.	.
05DEC89	A	0.00	20	.	.	12.00	7.90	13.20	.
05DEC89	A	1.25	.	20.0	.	11.40	8.00	14.50	.
05DEC89	B	0.00	20	.	.	11.40	7.90	12.20	.
05DEC89	B	1.75	.	20.0	.	11.30	8.00	14.80	.
05DEC89	C	0.00	24	.	.	11.70	7.80	10.70	.
05DEC89	C	2.00	.	24.0	.	11.00	7.90	11.80	.
05DEC89	D	0.00	24	.	.	11.80	7.90	12.00	.
05DEC89	D	1.60	.	24.0	.	11.50	7.90	12.60	.
10APR90	C	0.00	24	24.6	37.30	21.18	8.20	8.28	.
10APR90	C	2.20	.	23.6	38.80	20.56	8.16	7.36	.
10APR90	D	0.00	26	25.9	40.50	21.16	8.23	7.65	.
10APR90	D	1.70	.	25.9	40.50	20.91	8.22	7.38	.

11APR90	A	0.00	7	6.9	12.47	19.14	8.02	8.80	.
11APR90	A	1.50	.	6.8	12.51	19.12	8.20	8.60	.
11APR90	B	0.00	20	21.1	33.80	19.50	8.12	8.00	.
11APR90	B	2.10	.	21.1	33.80	19.53	8.10	7.80	.
02AUG90	A	0.00	.	0.1	1.27	29.34	8.73	7.04	0.105
02AUG90	A	1.30	.	0.1	1.27	29.34	8.72	6.70	0.106
02AUG90	B	.	.	5.4	7.12	29.70	.	6.68	1.700
02AUG90	B	1.80	.	3.6	8.75	29.65	.	5.57	1.635
02AUG90	C	0.00	.	15.2	25.30	29.00	.	6.31	0.810
02AUG90	C	1.80	.	15.3	25.40	29.81	8.35	5.94	0.666
02AUG90	D	0.00	.	11.2	19.20	29.46	8.25	6.05	0.143
02AUG90	D	1.20	.	11.2	19.30	29.48	8.25	5.74	0.141
19OCT90	A	0.00	10	9.4	16.40	22.35	9.07	12.93	0.106
19OCT90	A	1.70	.	9.5	16.50	22.26	9.05	12.10	0.107
19OCT90	B	0.00	18	18.0	29.40	22.19	8.67	5.09	0.113
19OCT90	B	2.20	.	18.2	29.70	21.71	8.60	3.40	0.115
19OCT90	C	0.00	20	20.0	32.20	22.25	8.41	4.98	0.121
19OCT90	C	2.30	.	20.0	32.20	21.60	8.41	3.69	0.121
19OCT90	D	0.00	27	27.8	43.20	21.57	8.54	4.25	0.105
19OCT90	D	2.00	.	27.8	43.20	21.50	8.53	4.09	0.106
23JAN91	A	0.00	3	5.1	9.75	10.41	8.17	9.04	0.155
23JAN91	A	1.20	3	17.0	28.00	10.67	8.39	5.86	0.162
23JAN91	B	0.00	18	19.0	30.80	9.98	8.69	11.96	0.157
23JAN91	B	2.00	18	19.2	31.40	10.29	8.58	8.24	0.160
23JAN91	C	0.00	21	22.4	35.60	10.01	8.47	10.40	0.173
23JAN91	C	1.90	21	22.4	35.70	10.01	8.47	10.25	0.173
23JAN91	D	0.00	24	22.3	35.40	10.34	8.37	9.45	0.208
23JAN91	D	1.50	24	22.4	35.60	10.31	8.37	9.40	0.207
25JAN91	B	0.00	9	8.9	16.00	12.38	8.87	15.29	0.138
25JAN91	B	1.80	9	18.3	30.10	11.12	8.52	9.40	0.152
22APR91	A	0.00	0	0.0	0.50	25.26	8.13	7.65	0.137
22APR91	A	1.20	0	0.0	0.51	25.17	8.08	7.35	0.141
22APR91	B	0.00	2	0.6	2.10	24.74	8.18	8.27	0.140
22APR91	B	1.70	2	3.6	7.29	24.19	8.04	6.49	0.150
22APR91	C	0.00	6	6.7	12.30	24.38	8.23	8.90	0.150
22APR91	C	1.80	6	6.8	12.79	24.28	8.18	7.34	0.151
22APR91	D	0.00	7	7.1	12.89	24.51	8.19	8.50	0.148
22APR91	D	1.50	7	7.2	13.31	24.74	8.19	7.90	0.148
17JUL91	A	0.00	0	0.0	0.73	29.98	8.39	7.41	0.131
17JUL91	A	1.20	0	0.0	0.74	29.98	8.44	7.25	0.131
17JUL91	B	0.00	4	4.2	8.20	30.04	8.23	5.75	0.140
17JUL91	B	1.70	4	4.2	8.24	30.07	8.22	5.44	0.142
17JUL91	C	0.00	10	9.3	16.20	30.92	8.49	7.55	0.126
17JUL91	C	1.90	10	12.0	20.70	30.92	8.53	5.96	0.128
17JUL91	D	0.00	7	7.1	12.92	30.65	8.44	6.70	0.120
17JUL91	D	1.50	7	7.4	13.47	30.46	8.46	5.91	0.121
15OCT91	A	0.00	8	7.1	12.31	24.98	8.76	11.30	0.100
15OCT91	A	1.40	.	12.0	20.00	25.21	8.51	6.30	0.111
15OCT91	B	0.00	16	16.0	26.00	24.82	8.32	8.10	0.057
15OCT91	B	1.90	.	16.0	26.00	24.78	8.26	7.30	0.060
15OCT91	C	0.00	24	24.0	37.70	24.83	8.17	7.40	0.118
15OCT91	C	2.00	.	24.0	37.70	24.82	8.17	7.30	0.116
15OCT91	D	0.00	23	23.0	36.30	24.52	8.16	6.80	0.136
15OCT91	D	1.80	.	24.2	37.70	24.75	8.14	6.30	0.138
20JAN92	A	0.00	0	0.0	0.75	10.86	8.49	9.76	0.135
20JAN92	A	1.30	0	0.0	0.75	10.59	8.52	9.56	0.135
20JAN92	B	0.00	0	0.0	0.82	9.25	8.75	10.24	0.121

20JAN92	B	1.70	0	0.0	0.84	8.40	9.07	10.05	0.117
20JAN92	C	0.00	0	0.2	1.33	9.26	8.74	10.16	0.127
20JAN92	C	1.90	0	0.2	1.31	8.55	9.02	9.86	0.122
20JAN92	D	0.00	0	0.7	2.34	10.05	8.64	10.43	0.134
20JAN92	D	1.50	0	2.4	5.21	8.70	8.59	9.81	0.142
06APR92	A	0.00	0	0.0	0.67	21.20	8.50	7.61	0.114
06APR92	A	1.20	0	0.0	0.68	21.19	8.44	7.55	0.115
06APR92	B	0.00	0	0.0	0.72	19.67	9.62	9.75	0.068
06APR92	B	1.70	0	0.0	0.74	19.29	9.49	8.82	0.067
06APR92	C	0.00	1	0.0	1.07	19.44	9.39	9.88	0.062
06APR92	C	1.90	1	0.0	1.08	19.33	9.87	9.66	0.051
06APR92	D	0.00	1	0.4	1.69	21.00	9.28	10.45	0.069
06APR92	D	1.60	1	0.4	1.67	18.08	10.0	8.88	0.056
12JUL92	A	0.00	1	0.0	0.93	30.12	8.56	8.14	0.215
12JUL92	A	0.90	1	0.0	0.93	30.09	8.62	8.01	0.219
12JUL92	B	0.00	2	0.0	1.11	29.32	8.74	8.21	0.205
12JUL92	B	1.50	2	0.0	1.11	29.75	8.79	7.76	0.209
12JUL92	C	0.00	6	4.5	8.76	30.03	8.46	7.96	0.217
12JUL92	C	1.60	6	4.7	9.48	29.65	8.50	7.07	0.223
12JUL92	D	0.00	2	0.6	2.15	29.67	8.79	8.42	0.203
12JUL92	D	1.30	2	0.6	2.15	29.60	8.83	8.11	0.208
07OCT92	A	0.00	10	8.6	15.40	24.95	8.69	8.16	0.182
07OCT92	A	1.20	10	8.7	15.10	24.93	8.97	7.63	0.183
07OCT92	B	0.00	15	14.5	24.20	24.50	8.97	7.80	0.182
07OCT92	B	1.50	15	15.0	25.00	24.53	8.94	6.95	0.174
07OCT92	C	0.00	22	19.8	31.90	24.42	8.60	7.37	0.193
07OCT92	C	1.90	22	19.8	31.90	24.43	8.71	6.75	0.195
07OCT92	D	0.00	26	21.7	34.80	24.37	8.49	6.89	0.196
07OCT92	D	1.40	26	21.8	34.80	24.38	8.59	6.46	0.198
12JAN93	A	0.00	10	10.2	17.10	11.79	8.11	14.20	0.260
12JAN93	A	1.20	10	18.4	29.60	12.43	8.07	8.64	0.275
12JAN93	B	0.00	12	12.6	20.90	12.13	8.27	12.60	0.273
12JAN93	B	1.70	12	19.4	31.10	11.68	8.13	9.67	0.283
12JAN93	C	0.00	15	15.2	24.90	12.20	8.40	12.70	0.269
12JAN93	C	1.90	15	21.0	33.60	11.92	8.09	9.46	0.285
12JAN93	D	0.00	22	22.0	35.00	12.37	8.02	10.79	0.284
12JAN93	D	1.60	22	25.0	39.20	12.01	7.95	9.84	0.291
05APR93	A	0.00	2	0.8	2.47	21.37	8.17	10.31	0.246
05APR93	A	0.90	2	3.5	7.86	19.52	7.71	8.55	0.266
05APR93	B	0.00	5	4.6	8.81	23.00	8.15	11.58	0.250
05APR93	B	1.50	5	5.9	10.76	18.91	7.84	8.25	0.260
05APR93	C	0.00	10	9.7	16.90	20.43	7.86	9.67	0.260
05APR93	C	1.70	10	9.8	17.10	18.96	7.60	7.66	0.270
05APR93	D	0.00	14	14.1	23.00	20.27	7.89	10.61	0.257
05APR93	D	1.30	14	15.8	26.10	19.23	7.74	8.45	0.262
09JUL93	A	0.00	1	0.0	0.60	30.39	7.69	6.76	0.232
09JUL93	A	1.10	1	0.0	0.60	30.41	7.80	6.54	0.234
09JUL93	B	0.00	1	0.0	0.98	30.17	7.86	6.95	0.230
09JUL93	B	1.50	1	0.0	0.95	30.02	7.89	6.64	0.234
09JUL93	C	0.00	4	1.1	2.91	29.98	8.02	7.40	0.217
09JUL93	C	1.70	4	4.1	8.35	29.17	7.95	6.35	0.228
09JUL93	D	0.00	2	0.0	0.77	29.95	7.76	7.43	0.227
09JUL93	D	1.20	2	0.0	0.92	29.79	7.89	6.95	0.228
11OCT93	A	0.00	8	5.0	9.52	25.70	8.45	9.63	0.257
11OCT93	A	1.70	8	5.0	9.52	25.69	8.47	9.31	0.261
11OCT93	B	0.00	15	14.2	23.60	25.38	8.28	8.60	0.266
11OCT93	B	2.20	15	14.4	26.20	25.51	8.22	8.31	0.270

11OCT93	C	0.00	20	17.2	28.10	25.78	8.04	8.34	0.264
11OCT93	C	2.20	20	17.6	28.60	25.76	8.17	7.86	0.264
11OCT93	D	0.00	28	26.4	41.20	25.85	8.01	7.86	0.250
11OCT93	D	2.00	28	26.4	41.30	25.81	8.17	7.52	0.257
05JAN94	A	0.00	10	8.7	15.30	14.26	8.28	10.50	0.211
05JAN94	A	0.70	10	8.7	15.30	14.19	8.27	10.30	0.212
05JAN94	B	0.00	19	17.8	29.10	13.54	8.59	13.20	0.202
05JAN94	B	1.20	19	17.8	29.10	13.51	8.57	13.05	0.203
05JAN94	C	0.00	20	19.4	31.40	13.90	8.39	10.69	0.208
05JAN94	C	1.30	20	19.4	31.40	13.82	8.37	10.31	0.209
05JAN94	D	0.00	20	19.8	31.90	14.01	8.27	11.26	0.209
05JAN94	D	0.90	20	19.8	31.90	13.97	8.29	10.24	0.210
07APR94	A	0.00	6	5.2	9.74	18.58	8.10	9.25	0.147
07APR94	A	1.50	6	5.2	9.76	18.60	8.18	9.19	0.151
07APR94	B	0.00	14	12.8	21.70	19.06	8.11	9.55	0.153
07APR94	B	1.60	14	12.8	21.70	19.07	8.17	9.47	0.155
07APR94	C	0.00	18	18.1	29.30	19.18	7.93	9.02	0.173
07APR94	C	2.00	18	18.2	29.40	18.77	7.94	7.82	0.175
07APR94	D	0.00	25	23.8	36.90	18.89	7.89	9.72	0.176
07APR94	D	1.40	25	24.0	37.00	18.93	7.96	9.05	0.178
07JUL94	A	0.00	10	5.5	10.60	30.43	8.40	10.46	0.102
07JUL94	A	1.10	10	6.0	11.20	30.43	8.40	10.23	0.102
07JUL94	B	0.00	10	7.4	13.32	30.38	8.47	9.60	0.101
07JUL94	B	1.50	10	7.4	13.32	30.38	8.48	9.52	0.087
07JUL94	C	0.00	22	20.8	32.60	30.28	8.00	10.65	0.132
07JUL94	C	1.60	22	21.2	33.20	30.29	8.06	9.97	0.137
07JUL94	D	0.00	10	7.5	13.30	30.29	8.31	11.84	0.107
07JUL94	D	1.20	10	7.5	13.37	30.25	8.44	11.77	0.109
20OCT94	A	0.00	10	9.4	16.20	28.36	8.38	9.20	0.137
20OCT94	A	1.50	10	9.7	19.40	28.31	8.33	8.31	0.144
20OCT94	B	0.00	22	19.7	31.70	28.30	8.40	8.59	0.562
20OCT94	B	2.00	22	22.5	36.20	27.37	8.09	6.21	0.205
20OCT94	C	0.00	23	21.1	33.20	27.55	8.21	7.75	0.152
20OCT94	C	1.90	23	24.2	38.20	26.55	8.00	5.80	0.163
20OCT94	D	0.00	30	26.8	41.50	27.64	8.03	6.90	0.162
20OCT94	D	1.50	30	26.9	41.90	27.36	8.04	7.20	0.162
10JAN95	A	0.00	5	1.4	3.47	18.48	8.22	9.95	0.206
10JAN95	A	0.90	5	5.0	9.61	17.37	.	8.40	0.214
10JAN95	B	0.00	10	6.9	12.60	16.36	8.16	10.70	0.212
10JAN95	B	1.40	10	21.0	35.20	12.17	8.01	9.40	0.225
10JAN95	C	0.00	20	16.8	28.00	15.29	8.06	10.06	0.220
10JAN95	C	1.60	20	20.5	33.50	12.70	.	12.10	0.223
10JAN95	D	0.00	20	15.5	25.80	16.05	8.02	10.20	0.221
10JAN95	D	1.10	20	15.6	25.90	15.84	8.04	10.01	0.221
05APR95	A	0.00	6	2.9	5.99	22.05	.	8.34	.
05APR95	A	1.20	6	12.8	21.70	19.62	.	6.96	.
05APR95	B	0.00	12	9.4	16.30	21.79	8.30	9.60	.
05APR95	B	1.80	12	25.0	39.70	19.71	.	5.83	.
05APR95	C	0.00	18	13.5	22.70	20.73	.	9.85	.
05APR95	C	2.00	18	20.3	33.00	19.54	.	6.92	.
05APR95	D	0.00	32	27.9	43.30	19.75	8.10	7.28	.
05APR95	D	1.50	32	28.0	43.40	19.70	.	7.25	.
06JUL95	A	0.00	3	0.0	0.52	30.46	8.19	7.45	0.151
06JUL95	A	0.60	3	0.0	0.52	30.47	8.36	7.36	0.151
06JUL95	B	0.00	10	5.7	10.64	30.24	8.28	8.82	0.155
06JUL95	B	1.30	10	7.0	12.79	28.87	7.98	5.38	0.166
06JUL95	C	0.00	14	9.8	17.10	30.24	7.97	7.31	0.178

06JUL95	C	1.50	14	9.9	17.20	29.85	7.95	6.83	0.173
06JUL95	D	0.00	15	12.1	20.60	30.27	80.9	78.86	0.169
06JUL95	D	1.10	15	13.7	22.80	29.80	8.00	7.03	0.175
04OCT95	D	0.00	30	29.0	44.80	25.87	8.27	7.45	0.098
04OCT95	D	1.80	30	29.3	45.20	25.13	8.25	6.70	0.100
04OCT95	C	0.00	26	24.6	39.10	25.94	8.24	7.14	0.097
04OCT95	C	2.20	26	28.7	44.70	25.20	8.22	6.42	0.101
04OCT95	B	0.00	19	16.0	26.40	26.26	8.26	7.54	0.094
04OCT95	B	2.10	19	26.0	40.80	24.93	8.18	6.33	0.103
04OCT95	A	0.00	17	15.5	25.70	26.14	8.38	8.63	0.091
04OCT95	A	1.50	17	20.4	32.90	25.48	8.18	6.25	0.100
10JAN96	A	0.00	12	9.6	16.70	11.14	8.48	11.19	0.103
10JAN96	A	0.50	12	18.5	30.00	9.75	8.60	11.57	0.109
10JAN96	B	0.00	20	15.6	25.90	9.94	8.63	12.92	0.101
10JAN96	B	1.10	20	20.4	33.20	8.29	8.70	12.99	0.102
10JAN96	C	0.00	23	22.3	35.50	8.76	8.46	11.22	0.124
10JAN96	C	1.50	23	23.0	37.30	8.49	8.43	10.55	0.125
10JAN96	D	0.00	25	22.8	36.20	9.37	8.51	12.00	0.125
10JAN96	D	1.10	25	24.2	37.80	9.14	8.51	10.60	0.127
03APR96	D	0.00	33	30.4	46.90	19.01	8.20	7.53	0.230
03APR96	D	1.10	33	30.4	46.90	19.01	8.28	7.50	0.232
03APR96	C	0.00	30	25.1	39.40	18.99	8.32	8.79	0.222
03APR96	C	1.50	30	25.2	39.50	18.95	8.36	8.70	0.222
03APR96	B	0.00	25	22.8	36.20	19.56	8.03	9.47	0.199
03APR96	B	1.40	25	22.8	36.20	19.49	8.34	9.44	0.200
03APR96	A	0.00	24	20.2	32.30	20.45	8.24	8.47	0.211
03APR96	A	0.90	24	20.2	32.40	20.45	8.30	8.47	0.211
10JUL96	D	0.00	33	29.3	45.20	29.72	7.88	5.79	0.216
10JUL96	D	1.20	33	29.4	45.40	29.72	7.88	5.44	0.217
10JUL96	C	0.00	38	33.4	51.00	29.83	7.85	5.46	0.188
10JUL96	C	1.60	38	33.6	51.20	29.83	7.87	5.11	0.190
10JUL96	B	0.00	30	25.1	39.40	30.05	7.70	6.07	0.183
10JUL96	B	1.50	30	27.7	42.90	29.92	7.70	4.68	0.188
10JUL96	A	0.00	30	23.7	37.50	29.94	7.72	6.34	0.174
10JUL96	A	0.90	30	24.1	38.10	29.91	7.78	5.98	0.175
15OCT96	D	0.00	35	31.1	48.00	24.61	7.42	6.96	0.319
15OCT96	D	1.60	35	31.4	48.10	24.62	7.45	6.85	0.320
15OCT96	E	0.00	34	29.4	45.10	24.56	7.43	7.06	0.279
15OCT96	E	2.20	34	29.5	45.50	24.58	7.44	6.69	0.281
15OCT96	C	0.00	34	31.0	48.20	25.13	7.52	8.29	0.257
15OCT96	C	0.26	34	31.1	8.14	25.15	7.65	8.14	48.200
15OCT96	F	0.00	35	30.6	46.40	25.22	7.51	7.53	0.266
15OCT96	F	1.40	35	30.6	47.10	25.23	7.77	7.45	0.267
15OCT96	B	0.00	33	29.3	45.40	25.06	7.01	6.93	0.282
15OCT96	B	2.20	33	29.9	45.90	25.15	7.07	6.61	0.286
15OCT96	A	0.00	28	24.4	39.90	24.89	7.03	6.06	0.288
15OCT96	A	1.40	28	25.0	39.40	24.91	7.22	5.94	0.289
22JAN97	D	0.00	25	26.0	41.00	12.01	7.52	14.68	0.219
22JAN97	D	1.20	25	28.4	44.20	10.26	7.83	12.10	0.237
22JAN97	C	0.00	24	22.1	35.50	12.43	8.27	16.78	0.239
22JAN97	C	1.40	24	29.3	45.30	8.43	8.64	14.77	0.249
22JAN97	B	0.00	21	17.8	28.60	14.16	8.16	13.68	0.230
22JAN97	B	1.40	21	25.5	40.40	8.77	8.54	14.87	0.242
22JAN97	A	0.00	15	11.1	18.20	14.17	8.10	13.22	0.235
22JAN97	A	0.90	15	23.0	36.90	10.09	8.44	11.25	0.245
07APR97	D	0.00	8	9.2	16.10	19.92	7.80	8.07	0.185
07APR97	D	1.90	8	10.0	17.70	19.92	7.80	6.66	0.180

07APR97	C	0.00	4	4.5	8.67	21.09	8.05	8.53	0.192
07APR97	C	1.90	4	6.4	11.86	20.53	8.00	8.34	0.195
07APR97	B	0.00	0	0.4	1.79	20.88	7.90	7.91	0.188
07APR97	B	2.00	0	0.4	1.79	20.88	7.94	7.83	0.188
07APR97	A	0.00	0	0.0	0.26	21.31	7.93	7.10	0.191
07APR97	A	1.60	0	0.0	0.26	21.30	7.92	7.12	0.195

Nutrient Concentrations

Nutrient measurements take during sampling. Water depth is in m. Nutrient concentrations are in umol/l.

Lavaca-Colorado Estuary

Date	Station	Depth	PO_4	SIO_4	NO_2	NO_3	NH_4
14OCT91	A	0	3.519	143	0.623	0.071	2.063
14OCT91	A	1.2	4.055	105	0.671	0.076	1.748
14OCT91	B	0	2.869	124	0.536	0.115	1.251
14OCT91	B	2	4.361	107	0.738	0.096	1.449
14OCT91	C	0	1.607	59	0.220	0.090	0.900
14OCT91	C	3.2	2.754	136	0.469	0.022	1.957
14OCT91	D	0	1.454	40	0.240	0.113	0.873
14OCT91	D	4.4	2.219	14	0.719	0.201	2.700
20JAN92	A	0	4.731	148	1.465	24.24	4.768
20JAN92	A	1.1	3.090	134	1.181	16.61	5.563
20JAN92	B	0	3.283	147	1.087	15.41	4.768
20JAN92	B	1.9	1.448	82	1.181	8.822	3.868
20JAN92	C	0	1.062	69	0.992	4.014	2.119
20JAN92	C	2.6	0.966	32	1.181	4.392	5.430
20JAN92	D	0	0.734	48	0.520	5.050	3.391
20JAN92	D	4.1	0.753	30	2.665	7.537	10.411
06APR92	A	0	1.149	191	0.483	17.93	2.113
06APR92	A	1.3	0.397	79	0.218	1.549	2.510
06APR92	B	0	0.227	61	0.223	0.153	1.062
06APR92	B	2.1	0.355	63	0.177	0.593	2.732
06APR92	C	0	0.241	44	0.183	0.521	1.362
06APR92	C	0	0.241	44	0.183	0.521	1.362
06APR92	C	3.1	0.291	74	1.762	0.027	2.799
06APR92	D	0	0.220	59	1.433	0.002	1.351
06APR92	D	4.5	0.213	51	1.554	0.966	1.306
12JUL92	A	0	2.861	173	0.189	0.051	1.100
12JUL92	A	1.2	2.522	186	0.384	0.035	0.887
12JUL92	B	0	2.822	163	0.329	0.090	0.547
12JUL92	B	1.8	2.287	162	0.310	0.050	0.512
12JUL92	C	0	2.760	132	0.254	0.224	0.235
12JUL92	C	2.7	1.988	107	0.256	0.163	0.390
12JUL92	D	0	2.147	82	0.223	0.376	0.075
12JUL92	D	4.1	3.335	71	0.239	0.539	0.205
05OCT92	A	0	1.089	135	0.262	0.329	0.306
05OCT92	A	1.4	1.096	132	0.326	0.409	0.390
05OCT92	B	0	1.010	119	0.249	0.353	0.177
05OCT92	B	2.2	1.526	157	0.399	0.407	0.261

05OCT92	C	0	0.887	73	0.164	0.329	0.048
05OCT92	C	3.5	0.970	73	0.192	0.326	0.131
05OCT92	D	0	0.624	54	0.150	0.353	0.084
05OCT92	D	4.6	0.000	0	0.000	0.000	0.000
12JAN93	A	0	0.493	135	0.334	12.34	2.115
12JAN93	A	1.1	0.678	39	0.524	7.314	6.578
12JAN93	B	0	0.429	84	0.299	9.075	2.467
12JAN93	B	1.7	0.275	43	0.398	2.402	4.583
12JAN93	C	0	0.262	45	0.221	0.153	0.830
12JAN93	C	2.8	0.237	28	0.238	0.187	0.989
12JAN93	D	0	0.397	.	0.593	4.648	6.137
12JAN93	D	4	0.230	.	0.174	0.165	1.145
12JAN93	E	0	0.205	44	0.274	1.540	1.729
12JAN93	E	3.1	0.230	53	0.325	2.281	2.671
12JAN93	F	0	0.333	51	0.480	0.877	1.689
12JAN93	F	1.2	0.256	71	0.517	1.199	5.043
05APR93	A	0	0.194	143	0.372	19.18	1.440
05APR93	A	1.1	0.183	146	0.403	19.19	1.393
05APR93	B	0	0.162	53	0.525	7.107	2.368
05APR93	B	1.8	0.151	44	0.540	4.745	3.111
05APR93	C	0	0.172	36	0.111	0.272	0.557
05APR93	C	2.8	0.151	21	0.195	0.063	1.579
05APR93	D	0	0.226	33	0.126	0.008	0.604
05APR93	D	3.9	0.291	26	0.325	0.019	1.393
05APR93	E	0	0.162	39	0.149	0.627	1.161
05APR93	E	3.2	0.226	38	0.240	0.133	1.300
05APR93	F	0	0.151	137	0.654	37.49	2.229
05APR93	F	1	0.162	93	0.638	8.934	3.901
09JUL93	A	0	2.723	90	1.411	1.659	2.067
09JUL93	A	1.1	2.902	103	1.436	2.074	2.317
09JUL93	B	0	4.295	112	1.432	9.926	2.420
09JUL93	B	1.8	3.801	94	3.986	4.504	2.349
09JUL93	C	0	1.481	44	0.413	4.526	0.846
09JUL93	C	2.9	1.711	71	1.698	5.846	1.300
09JUL93	D	0	1.156	66	0.149	0.309	0.790
09JUL93	D	4.1	2.978	58	1.176	5.649	21.246
09JUL93	E	0	1.147	67	0.510	0.712	1.786
09JUL93	E	3.3	1.459	65	0.277	0.130	1.743
09JUL93	F	0	2.046	62	0.356	0.033	1.788
09JUL93	F	1.1	1.828	62	0.767	0.403	2.008
11OCT93	A	0	0.990	83	0.930	0.790	4.070
11OCT93	A	1.3	1.130	66	1.050	0.790	3.120
11OCT93	B	0	0.770	62	0.670	0.660	2.070
11OCT93	B	2.2	1.140	66	0.940	0.790	2.550
11OCT93	C	0	0.710	54	0.770	0.730	1.920
11OCT93	C	3.2	0.830	26	0.830	0.700	2.760
11OCT93	D	0	0.590	5	0.730	0.700	2.330
11OCT93	D	4.6	0.700	10	0.780	0.680	3.250
11OCT93	E	0	0.760	4	0.690	0.650	2.180
11OCT93	E	3.7	1.230	7	0.740	0.590	2.500
11OCT93	F	0	0.800	49	0.650	0.570	2.210
11OCT93	F	1.6	0.930	55	5.540	5.280	4.400
05JAN94	A	0	0.475	44	0.150	0.103	2.582
05JAN94	A	0.8	0.610	42	0.221	0.011	1.560
05JAN94	B	0.47	0.000	24	0.153	0.058	2.063
05JAN94	B	1.4	0.468	17	0.197	0.084	1.434
05JAN94	C	0	0.424	9	0.156	0.104	0.250

05JAN94	C	2.6	0.665	11	0.266	0.064	0.407
05JAN94	D	0	0.536	9	0.198	0.110	0.009
05JAN94	D	3.9	0.597	9	0.262	0.025	0.188
05JAN94	E	0	0.489	7	0.096	0.353	0.021
05JAN94	E	2	0.508	6	0.114	0.223	0.016
05JAN94	F	0	0.665	10	0.501	7.042	0.126
05JAN94	F	1	0.620	11	0.308	4.835	1.021
07APR94	A	0	0.294	45	1.018	2.079	1.704
07APR94	A	1.3	0.392	46	1.280	2.664	1.848
07APR94	B	0	0.441	36	1.242	4.010	5.232
07APR94	B	2	1.078	42	1.805	3.835	7.200
07APR94	C	0	0.686	18	0.800	0.625	4.656
07APR94	C	3	2.744	26	1.894	0.000	11.520
07APR94	D	0	0.392	17	0.371	0.000	1.296
07APR94	D	4.3	0.882	15	0.730	0.000	3.600
07APR94	E	0	0.441	18	0.282	0.000	1.272
07APR94	E	3.5	0.588	20	0.422	0.000	1.872
07APR94	F	0	1.078	48	0.384	4.747	6.240
07APR94	F	1.4	1.176	39	0.768	0.532	3.576
07JUL94	A	0	1.900	110	0.300	0.800	2.700
07JUL94	A	1.1	2.000	107	0.800	0.400	2.900
07JUL94	B	0	1.100	124	0.200	0.000	1.000
07JUL94	B	1.8	1.200	113	0.400	0.000	1.000
07JUL94	C	0	0.900	43	0.300	0.000	1.500
07JUL94	C	2.8	0.900	53	0.300	0.000	1.500
07JUL94	D	0	1.500	47	0.300	0.000	1.200
07JUL94	D	3.9	2.300	44	0.700	0.000	3.200
07JUL94	E	0	1.000	77	0.200	0.000	1.400
07JUL94	E	3.4	2.300	67	0.700	0.400	4.600
07JUL94	F	0	2.600	107	0.500	0.500	1.900
07JUL94	F	1.3	2.700	101	0.700	0.500	1.900
20OCT94	A	0	1.818	66	1.223	7.629	5.624
20OCT94	A	1.9	1.531	65	1.217	7.335	5.678
20OCT94	B	0	1.321	72	1.121	6.306	5.080
20OCT94	B	2.5	1.474	66	1.504	4.122	5.482
20OCT94	C	0	0.900	102	0.937	0.000	4.623
20OCT94	C	3.1	0.479	33	0.826	3.600	2.393
20OCT94	D	0	1.072	152	0.760	0.000	4.558
20OCT94	D	4.2	0.670	40	0.604	13.27	1.305
20OCT94	E	0	1.627	109	1.182	0.000	15.674
20OCT94	E	3.5	0.526	39	0.458	17.40	2.001
20OCT94	F	0	2.010	101	2.851	2.032	11.084
20OCT94	F	1.3	1.847	46	1.419	0.000	10.508
10JAN95	A	0	1.340	61	0.222	0.238	1.290
10JAN95	A	1	1.327	52	0.309	0.000	0.956
10JAN95	B	0	1.392	68	0.261	0.565	0.888
10JAN95	B	1.6	1.409	38	0.296	0.000	0.965
10JAN95	C	0	0.749	38	0.076	0.000	0.728
10JAN95	C	2.6	1.001	31	0.388	0.000	1.168
10JAN95	D	0	0.831	34	0.078	0.000	0.786
10JAN95	D	4	0.896	17	0.361	0.000	0.935
10JAN95	E	0	1.099	46	0.133	0.000	0.722
10JAN95	E	3.3	1.605	41	0.550	0.736	1.307
10JAN95	F	0	1.416	56	0.218	0.000	1.046
10JAN95	F	1	1.599	56	0.298	0.000	0.929
06APR95	A	0	1.553	119	0.593	32.49	2.100
06APR95	A	1.6	1.283	71	1.070	9.241	6.800

06APR95	B	0	1.161	96	0.459	22.57	2.456
06APR95	B	2.4	1.148	51	1.288	6.044	3.560
06APR95	C	0	0.365	24	0.234	0.474	2.189
06APR95	C	3.4	0.648	19	0.613	0.000	1.620
06APR95	D	0	0.405	11	0.197	0.507	1.638
06APR95	D	4.7	1.310	14	1.139	0.010	1.246
06APR95	E	0	0.405	17	0.513	5.172	1.780
06APR95	E	3.7	0.959	15	1.132	0.682	1.851
06APR95	F	0	2.201	167	1.511	89.98	6.586
06APR95	F	2.2	2.700	37	1.650	17.20	6.408
06JUL95	A	0	1.748	59	0.467	3.135	1.134
06JUL95	A	1.2	1.602	26	0.397	1.682	0.790
06JUL95	B	0	1.291	40	0.422	0.577	0.717
06JUL95	B	1.7	1.649	49	0.654	0.724	1.763
06JUL95	C	0	0.885	58	0.245	0.000	1.080
06JUL95	C	2.7	1.407	31	0.249	0.000	0.787
06JUL95	D	0	1.488	40	0.000	0.231	0.985
06JUL95	D	3.9	1.599	30	0.000	1.054	1.912
06JUL95	E	0	1.752	48	0.000	0.608	0.958
06JUL95	E	3.1	1.657	42	0.000	1.748	2.207
06JUL95	F	0	0.779	43	0.000	0.034	0.914
06JUL95	F	1.1	3.332	59	0.595	0.389	3.214
04OCT95	A	0	1.573	58	0.301	0.000	3.413
04OCT95	A	1.4	1.407	31	0.499	0.000	8.758
04OCT95	B	0	1.488	40	0.000	0.741	0.985
04OCT95	B	2.4	1.599	30	0.000	0.320	6.161
04OCT95	C	0	1.752	48	0.000	0.000	1.872
04OCT95	C	3.5	1.657	42	0.000	0.000	2.114
04OCT95	D	0	0.779	43	0.000	0.000	1.510
04OCT95	D	4.5	3.332	59	0.595	0.000	5.708
04OCT95	E	0	4.762	171	0.915	0.000	1.389
04OCT95	E	3.8	3.256	73	0.595	0.000	5.134
04OCT95	F	0	5.674	113	0.694	2.164	10.328
04OCT95	F	1.8	3.655	89	0.977	0.493	13.673
09JAN96	A	0	5.674	113	0.694	0.000	1.906
09JAN96	A	0.9	1.049	89	0.977	0.000	13.673
09JAN96	B	0	0.455	201	0.167	0.000	0.685
09JAN96	B	1.6	1.188	32	0.220	0.000	0.666
09JAN96	C	0	0.832	21	0.220	0.000	0.722
09JAN96	C	2.5	1.148	16	0.296	0.000	1.739
09JAN96	D	0	1.584	14	0.137	0.000	1.425
09JAN96	D	3.4	2.693	9	0.950	0.000	1.517
09JAN96	E	0	1.584	13	0.122	0.000	1.018
09JAN96	E	2.8	2.693	14	1.140	0.000	2.590
09JAN96	F	0	0.871	23	0.106	1.792	0.500
09JAN96	F	0.7	2.178	24	0.547	1.652	0.907
02APR96	A	0	0.730	58	0.198	0.307	3.353
02APR96	A	1.1	1.407	31	0.371	0.000	3.030
02APR96	B	0	1.488	40	0.000	0.105	0.985
02APR96	B	1.6	1.599	30	0.000	0.280	5.252
02APR96	C	0	1.752	48	0.000	0.000	4.282
02APR96	C	2.6	1.657	42	0.000	0.000	3.232
02APR96	D	0	0.779	43	0.000	0.000	2.020
02APR96	D	3.8	3.332	59	0.595	0.000	1.616
02APR96	E	0	4.762	171	0.915	0.000	2.020
02APR96	E	3.1	3.256	73	0.595	0.000	1.939
02APR96	F	0	5.674	113	0.694	4.047	2.707

02APR96	F	0.9	0.730	89	0.977	3.273	13.673
09JUL96	A	0	2.092	11	0.420	0.000	1.262
09JUL96	A	1	2.337	9	0.698	0.000	2.258
09JUL96	B	0	1.888	7	0.413	0.000	3.320
09JUL96	B	1.6	1.492	6	0.735	0.000	6.640
09JUL96	C	0	1.969	5	0.623	0.000	1.660
09JUL96	C	2.4	3.175	5	1.200	0.000	3.984
09JUL96	D	0	2.157	4	0.375	0.000	4.250
09JUL96	D	4	1.494	4	0.548	0.000	3.088
09JUL96	E	0	1.419	5	0.315	0.000	1.726
09JUL96	E	3	1.878	5	0.833	0.000	5.677
09JUL96	F	0	1.607	5	0.525	0.000	3.254
09JUL96	F	1.1	2.421	7	0.705	0.000	2.324
14OCT96	A	1.3	1.311	117	0.594	0.318	3.796
14OCT96	B	1.9	1.751	91	2.043	0.000	8.699
14OCT96	C	2.9	1.245	57	1.408	0.089	7.124
14OCT96	D	4.1	1.145	50	1.356	0.793	10.633
14OCT96	E	3.4	2.739	48	4.991	0.000	13.879
14OCT96	E	0	1.112	54	1.421	0.000	9.714
14OCT96	F	0	1.228	68	1.189	0.000	7.794
14OCT96	F	1.2	1.536	59	1.000	0.000	6.670
25JAN97	A	0	7.036	173	0.783	33.43	2.341
25JAN97	A	1.2	6.136	143	0.784	35.28	6.641
25JAN97	B	0	6.617	144	0.875	42.11	4.070
25JAN97	B	1.8	3.983	81	0.988	26.25	8.160
25JAN97	C	0	2.564	81	0.577	29.29	1.692
25JAN97	C	2.7	1.038	22	0.285	1.158	1.215
25JAN97	D	0	0.870	14	0.188	0.000	0.990
25JAN97	D	3.8	1.198	16	0.189	0.000	0.848
25JAN97	E	0	1.395	22	0.363	7.764	1.000
25JAN97	E	3.1	1.475	13	0.529	0.298	1.571
25JAN97	F	0	5.319	81	1.167	22.42	13.497
25JAN97	F	1	7.558	45	2.503	6.323	16.833
05APR89	A	.	0.653	57	0.365	1.195	8.335
05APR89	B	.	1.203	81	0.560	1.808	14.088
05APR89	C	.	0.945	34	0.378	0.643	3.630
05APR89	D	.	0.545	29	0.203	0.620	2.128
15APR97	A	0	0.379	11	0.076	0.607	1.588
15APR97	A	1.5	0.439	11	0.079	0.522	2.104
15APR97	B	0	0.417	11	0.103	0.529	1.711
15APR97	B	2.2	0.413	10	0.101	0.492	1.712
15APR97	C	0	0.374	11	0.070	0.378	1.004
15APR97	C	2.7	0.296	8	0.110	0.419	1.567
15APR97	D	0	0.217	7	0.133	0.575	0.717
15APR97	D	4.1	0.221	2	0.123	0.256	1.006
15APR97	E	0	0.289	9	0.098	0.601	0.337
15APR97	E	3.2	0.302	4	0.176	0.555	1.720
15APR97	F	0	0.401	10	0.052	1.103	0.770
15APR97	F	1.3	0.378	7	0.109	0.824	1.386

Guadalupe Estuary

Date	Station	Depth	PO_4	SIO_4	NO_2	NO_3	NH_4
28JAN87	A	0	9.220	172	1.460	99.57	2.270

28JAN87	A	1.5	9.180	172	1.700	97.85	2.400
28JAN87	B	0	2.650	143	0.960	17.16	0.550
28JAN87	B	1.75	3.130	140	1.030	19.68	0.690
30JAN87	C	0	2.890	43	0.770	0.770	1.280
30JAN87	C	1	3.260	98	0.730	0.740	1.300
30JAN87	D	0	4.740	141	1.020	25.15	1.350
30JAN87	D	3.25	5.200	141	1.190	25.28	1.370
04MAR87	A	0	9.430	182	2.270	81.63	8.990
04MAR87	A	1	9.380	182	2.350	80.48	8.630
04MAR87	B	0	8.970	160	3.370	30.94	3.720
04MAR87	B	1.9	7.110	161	3.590	30.86	4.480
04MAR87	C	0	4.620	110	0.940	12.78	2.870
04MAR87	C	2	4.270	107	1.020	9.690	2.040
04MAR87	D	0	4.470	135	1.030	25.99	0.710
04MAR87	D	1.6	2.010	80	0.720	1.610	0.960
08APR87	A	0	9.400	174	1.130	78.15	7.670
08APR87	A	1.1	9.380	174	1.180	76.76	7.410
08APR87	B	0	7.860	153	0.900	30.21	1.840
08APR87	B	1.8	7.920	152	0.960	30.01	1.650
10APR87	C	1.8	6.190	142	0.650	17.22	1.860
10APR87	C	0	6.620	146	0.540	20.97	1.280
10APR87	D	1.6	5.690	132	0.580	21.10	1.630
10APR87	D	0	5.690	132	0.580	21.10	1.630
03JUN87	A	0	5.940	1E3	0.740	283.0	2.550
03JUN87	A	1.4	9.340	1E3	0.830	279.0	2.220
03JUN87	B	0	8.650	955	2.110	58.48	7.340
03JUN87	B	2	6.790	992	1.380	41.32	2.950
03JUN87	C	0	7.490	124	1.030	21.48	1.550
03JUN87	C	2	8.970	971	1.700	14.50	4.360
03JUN87	D	0	5.220	123	1.270	6.400	4.600
03JUN87	D	1.9	4.920	119	1.600	7.040	4.550
15JUL87	A	0	2.950	116	1.520	1.250	4.260
15JUL87	A	1.25	3.610	117	1.950	0.980	5.660
15JUL87	B	0	2.710	117	1.270	0.640	4.070
15JUL87	B	1.9	2.950	118	1.330	0.090	3.930
15JUL87	C	0	6.710	122	1.940	0.190	6.930
15JUL87	C	1.9	7.120	122	2.020	0.110	6.920
15JUL87	D	0	6.460	115	1.560	1.360	5.930
15JUL87	D	1.75	6.600	117	1.880	0.870	8.010
07JUL88	A	1.6	5.150	72	0.250	1.500	2.110
07JUL88	A	0	7.380	75	0.320	1.240	1.560
07JUL88	B	2.1	5.580	72	0.170	0.560	3.980
07JUL88	B	0	4.380	72	0.140	0.440	2.670
08JUL88	C	1.8	3.570	82	0.120	0.520	0.870
08JUL88	C	0	3.910	79	0.120	0.340	2.200
08JUL88	D	4.6	1.800	85	0.230	0.120	1.010
08JUL88	D	0	1.560	86	0.180	0.630	1.610
22APR91	A	0	8.075	200	0.418	27.30	0.812
22APR91	A	1.2	6.264	205	0.560	25.36	0.893
22APR91	B	0	12.14	219	0.726	74.05	0.817
22APR91	B	1.7	8.877	195	1.474	22.22	1.521
22APR91	C	0	6.105	172	0.847	8.593	1.112
22APR91	C	1.8	7.877	175	0.755	8.068	0.923
22APR91	D	0	6.951	162	0.812	7.483	1.055
22APR91	D	1.5	4.921	99	0.907	5.745	1.011
17JUL91	A	0	.	.	.	.	.
17JUL91	A	1.2	.	.	.	.	.

17JUL91	B	0	.	.	.	.	.
17JUL91	B	1.7	.	.	.	.	.
17JUL91	C	0	.	.	.	.	.
17JUL91	C	1.9	.	.	.	.	.
17JUL91	D	0	.	.	.	.	.
17JUL91	D	1.5	.	.	.	.	.
15OCT91	A	0	16.83	141	1.581	32.56	1.857
15OCT91	A	1.4	18.55	141	1.753	13.10	3.961
15OCT91	B	0	12.24	139	1.015	0.126	2.604
15OCT91	B	1.9	14.34	128	1.150	0.045	2.635
15OCT91	C	0	5.202	96	0.527	0.059	1.358
15OCT91	C	2	4.552	54	0.671	0.032	1.774
15OCT91	D	0	5.661	80	0.651	0.277	1.849
15OCT91	D	1.8	5.546	67	0.671	0.054	1.554
20JAN92	A	0	7.434	193	0.898	80.25	5.086
20JAN92	A	1.3	3.959	187	1.512	81.06	5.881
20JAN92	B	0	2.510	189	0.454	48.75	4.238
20JAN92	B	1.7	2.510	182	0.756	50.58	3.762
20JAN92	C	0	5.574	187	1.229	66.38	4.768
20JAN92	C	1.9	2.935	152	1.276	67.05	4.768
20JAN92	D	0	4.538	175	1.134	46.66	5.060
20JAN92	D	1.5	4.538	172	1.418	44.09	6.384
06APR92	A	0	2.432	251	1.297	78.88	1.513
06APR92	A	1.2	1.446	272	1.251	71.89	1.469
06APR92	B	0	0.333	347	0.641	39.83	0.667
06APR92	B	1.7	0.737	234	0.685	43.17	1.220
06APR92	C	0	1.829	291	0.539	58.26	0.574
06APR92	C	1.9	1.453	329	0.532	58.60	0.582
06APR92	D	0	0.553	278	0.528	20.75	0.534
06APR92	D	1.6	1.021	227	0.559	23.01	0.645
12JUL92	A	0	3.733	209	0.562	102.6	0.705
12JUL92	A	0.9	4.000	206	0.521	105.9	0.607
12JUL92	B	0	1.639	198	0.400	13.07	0.814
12JUL92	B	1.5	1.299	198	0.417	11.97	0.804
12JUL92	C	0	3.617	202	0.260	0.159	0.835
12JUL92	C	1.6	3.667	205	0.298	0.121	0.824
12JUL92	D	0	0.970	191	0.313	0.645	1.045
12JUL92	D	1.3	1.097	203	0.222	0.257	0.883
07OCT92	A	0	4.058	206	0.359	0.911	24.728
07OCT92	A	1.2	3.437	197	0.337	18.25	1.223
07OCT92	B	0	1.791	179	0.245	0.673	0.300
07OCT92	B	1.5	2.026	178	0.439	0.625	0.676
07OCT92	C	0	1.539	173	0.253	0.616	0.158
07OCT92	C	1.9	1.384	157	0.289	0.665	0.229
07OCT92	D	0	0.800	120	0.204	0.377	0.169
07OCT92	D	1.4	0.882	116	0.240	0.486	0.227
12JAN93	A	0	0.448	83	0.700	.	1.519
12JAN93	A	1.2	0.442	63	0.682	28.80	2.070
12JAN93	B	0	0.454	62	14.37	13.89	1.088
12JAN93	B	1.7	0.448	31	0.556	7.365	1.900
12JAN93	C	0	0.256	.	0.296	0.247	1.342
12JAN93	C	1.9	0.384	.	0.361	0.356	2.479
12JAN93	D	0	0.288	.	0.247	0.026	1.074
12JAN93	D	1.6	0.333	.	0.215	0.046	1.038
05APR93	A	0	2.630	145	0.959	98.60	3.111
05APR93	A	0.9	1.229	121	0.790	80.98	5.851
05APR93	B	0	0.647	118	20.51	19.84	9.288

05APR93	B	1.5	1.056	134	0.783	25.38	1.393
05APR93	C	0	0.151	69	0.232	0.577	4.180
05APR93	C	1.7	0.172	55	0.377	0.752	8.220
05APR93	D	0	0.172	40	0.293	1.653	1.068
05APR93	D	1.3	0.162	38	0.247	0.519	2.043
09JUL93	A	0	5.112	118	0.669	70.15	6.324
09JUL93	A	1.1	5.199	120	0.776	70.14	6.778
09JUL93	B	0	5.590	114	0.593	36.17	1.913
09JUL93	B	1.5	5.136	114	0.599	33.98	2.220
09JUL93	C	0	8.118	115	0.591	38.38	1.939
09JUL93	C	1.7	5.767	103	0.431	36.35	2.948
09JUL93	D	0	5.995	113	0.809	32.15	1.878
09JUL93	D	1.2	5.583	108	0.944	34.96	1.807
11OCT93	A	0	3.320	136	18.17	17.83	2.130
11OCT93	A	1.7	3.280	131	20.97	20.57	2.250
11OCT93	B	0	3.140	116	0.600	0.600	2.400
11OCT93	B	2.2	3.580	120	1.590	1.510	2.500
11OCT93	C	0	1.950	82	0.640	0.620	2.600
11OCT93	D	0	1.810	82	0.680	0.600	2.190
11OCT93	D	2	1.590	74	0.590	0.520	2.140
05JAN94	A	0	3.191	57	0.678	48.69	4.703
05JAN94	A	0.7	3.252	39	0.702	50.75	4.282
05JAN94	B	0	0.916	28	0.134	0.145	2.473
05JAN94	B	1.2	0.755	24	0.191	0.066	0.250
05JAN94	C	0	0.730	22	0.137	0.184	0.104
05JAN94	C	1.3	0.696	22	0.169	0.132	0.006
05JAN94	D	0	0.692	26	0.128	0.236	0.023
05JAN94	D	0.9	0.817	24	0.179	0.164	0.133
07APR94	A	0	4.312	127	1.472	71.65	1.536
07APR94	A	1.5	5.390	127	1.536	87.98	1.968
07APR94	B	0	1.862	94	2.208	14.53	1.344
07APR94	B	1.5	2.058	99	2.278	14.08	2.448
07APR94	C	0	0.980	57	0.947	4.507	3.192
07APR94	C	2	1.568	64	1.523	4.702	6.336
07APR94	D	0	0.441	42	2.496	0.000	0.960
07APR94	D	1.4	0.372	42	0.160	0.000	0.792
07JUL94	A	0	5.400	178	0.400	17.10	0.600
07JUL94	A	1.1	5.500	180	0.500	11.20	1.400
07JUL94	B	0	4.900	171	0.500	0.700	1.100
07JUL94	B	1.5	4.700	153	0.500	1.400	2.900
07JUL94	C	0	2.200	122	0.300	0.000	1.300
07JUL94	C	1.6	2.300	129	0.500	0.000	1.600
07JUL94	D	0	4.400	130	0.200	0.300	1.000
07JUL94	D	1.2	4.600	172	0.400	0.000	1.200
20OCT94	A	0	2.201	167	1.026	20.73	1.316
20OCT94	A	1.5	2.660	148	1.094	15.26	6.635
20OCT94	B	0	1.914	118	0.438	0.000	1.555
20OCT94	B	2	2.182	112	0.701	0.000	1.653
20OCT94	C	0	2.297	119	0.405	0.000	1.555
20OCT94	C	1.9	2.125	97	0.541	0.000	1.566
20OCT94	D	0	0.660	58	0.470	0.000	1.425
20OCT94	D	1.5	0.900	59	0.553	0.000	1.610
10JAN95	A	0	2.201	167	0.767	39.80	3.067
10JAN95	A	0.9	4.416	143	0.854	16.35	3.580
10JAN95	B	0	4.209	147	0.434	21.11	3.518
10JAN95	B	1.4	2.305	58	0.604	5.322	2.554
10JAN95	C	0	2.413	68	0.305	8.561	1.572

10JAN95	C	1.6	1.753	48	0.280	3.503	1.577
10JAN95	D	0	2.870	92	0.325	13.88	2.168
10JAN95	D	1.1	2.465	78	0.382	10.78	1.689
05APR95	A	0	.	.	.	.	.
05APR95	A	1.2	.	.	.	.	.
05APR95	B	0	.	.	.	.	.
05APR95	B	1.8	.	.	.	.	.
05APR95	C	0	.	.	.	.	.
05APR95	C	2	.	.	.	.	.
05APR95	D	0	.	.	.	.	.
05APR95	D	1.5	.	.	.	.	.
06JUL95	A	0	8.150	184	1.098	9.527	1.976
06JUL95	A	0.6	8.086	151	1.175	9.068	2.140
06JUL95	B	0	5.950	201	0.583	9.205	1.698
06JUL95	B	1.3	5.237	148	0.947	8.395	7.218
06JUL95	C	0	5.674	113	0.694	7.258	13.470
06JUL95	C	1.5	4.129	89	0.977	6.213	13.673
06JUL95	D	0	4.762	171	0.915	5.139	5.243
06JUL95	D	1.1	3.256	73	0.595	4.570	13.408
04OCT95	A	0	2.975	186	0.163	0.000	3.322
04OCT95	A	1.5	3.681	128	0.499	0.000	9.000
04OCT95	B	0	2.975	158	0.301	7.691	8.758
04OCT95	B	2.1	1.862	90	0.318	0.322	2.960
04OCT95	C	0	2.576	109	0.516	1.869	2.205
04OCT95	C	2.2	3.927	75	2.073	1.021	2.718
04OCT95	D	0	0.672	201	0.172	0.000	1.510
04OCT95	D	1.8	0.867	16	0.353	0.000	3.141
10JAN96	A	0	2.792	74	0.084	55.11	4.181
10JAN96	A	0.5	3.584	59	0.410	30.54	5.291
10JAN96	B	0	2.198	40	0.137	14.28	1.129
10JAN96	B	1.1	2.554	24	0.935	2.774	2.331
10JAN96	C	0	1.010	15	0.137	0.000	2.405
10JAN96	C	1.5	2.119	13	0.760	0.000	1.980
10JAN96	D	0	0.990	8	0.190	0.000	1.166
10JAN96	D	1.1	1.346	12	0.570	0.000	2.313
03APR96	A	0	2.263	56	1.801	10.90	5.656
03APR96	A	0.9	2.336	54	1.912	10.38	5.656
03APR96	B	0	0.905	41	0.474	0.000	4.444
03APR96	B	1.4	1.643	44	1.311	0.000	4.929
03APR96	C	0	0.511	46	0.221	0.000	1.131
03APR96	C	1.5	1.095	43	0.695	0.000	2.828
03APR96	D	0	0.417	201	0.332	0.000	2.990
03APR96	D	1.1	1.095	15	1.106	0.000	3.798
10JUL96	A	0	4.921	13	0.585	0.131	7.636
10JUL96	A	0.9	4.668	12	0.585	0.000	7.072
10JUL96	B	0	3.718	13	0.247	0.000	1.494
10JUL96	B	1.5	3.376	10	0.450	0.000	3.652
10JUL96	C	0	1.502	7	0.247	0.000	1.992
10JUL96	C	1.6	1.818	7	0.705	0.000	2.789
10JUL96	D	0	3.521	10	0.293	0.000	1.527
10JUL96	D	1.2	2.538	9	0.840	0.000	9.296
15OCT96	A	1.4	3.552	117	0.995	0.000	18.048
15OCT96	B	2.2	2.473	77	1.321	0.000	13.637
15OCT96	C	2	0.863	37	0.661	0.315	6.742
15OCT96	D	1.6	0.440	5	0.702	0.000	6.038
15OCT96	E	2.2	0.415	7	0.504	0.000	6.021
15OCT96	F	1.4	0.896	46	1.046	0.000	7.832

22JAN97	D	0	1.277	23	0.205	0.000	0.079
22JAN97	D	1.2	1.605	33	0.236	0.000	0.021
22JAN97	C	0	3.112	48	0.365	21.04	0.466
22JAN97	C	1.4	1.564	27	0.328	1.388	0.367
22JAN97	B	0	6.363	68	1.049	58.98	0.770
22JAN97	B	1.4	2.490	32	0.810	7.145	0.545
22JAN97	A	0	10.06	92	1.036	60.16	2.037
22JAN97	A	0.9	6.343	70	1.022	46.75	2.734
07APR97	D	0	.	.	.	.	.
07APR97	D	1.9	.	.	.	.	.
07APR97	C	0	.	.	.	.	.
07APR97	C	1.9	.	.	.	.	.
07APR97	B	0	.	.	.	.	.
07APR97	B	2	.	.	.	.	.
07APR97	A	0	.	.	.	.	.
07APR97	A	1.6	.	.	.	.	.

Biomass Data

Biomass is measured for taxonomic groupings. Average number and biomass from 3 replicates per m^2.

Lavaca-Colorado Estuary

Date	Station	Taxa	nm^2	gm^2
18APR88	A	Crustacea	1891	0.0756
18APR88	A	Mollusca	4633	5.8732
18APR88	A	Nemertinea	95	0.1116
18APR88	A	Polychaeta	22880	1.3208
18APR88	B	Crustacea	756	0.0473
18APR88	B	Mollusca	1985	0.9275
18APR88	B	Nemertinea	95	0.0463
18APR88	B	Polychaeta	15695	1.5837
18APR88	C	Crustacea	473	0.0416
18APR88	C	Hemicordata	662	9.9558
18APR88	C	Mollusca	662	0.2723
18APR88	C	Nemertinea	1324	0.5143
18APR88	C	Other	189	0.0662
18APR88	C	Polychaeta	29025	2.6057
18APR88	D	Crustacea	67402	2.6776
18APR88	D	Mollusca	5294	1.4551
18APR88	D	Nemertinea	662	0.3413
18APR88	D	Other	378	0.0378
18APR88	D	Ophiuroidea	662	4.6886
18APR88	D	Polychaeta	26942	3.0491
19JUL88	A	Crustacea	473	0.0775
19JUL88	A	Mollusca	473	0.0473
19JUL88	A	Other	0	0.0000
19JUL88	A	Polychaeta	6995	0.6987
19JUL88	B	Crustacea	567	0.0208
19JUL88	B	Mollusca	1040	1.0674
19JUL88	B	Nemertinea	189	0.0199

19JUL88	B	Polychaeta	9453	0.7781
19JUL88	C	Crustacea	95	0.0009
19JUL88	C	Hemicordata	756	3.2004
19JUL88	C	Mollusca	284	0.0142
19JUL88	C	Nemertinea	567	0.0331
19JUL88	C	Other	95	0.0038
19JUL88	C	Ophiuroidea	95	0.2695
19JUL88	C	Polychaeta	16071	2.4667
19JUL88	D	Crustacea	9642	3.3819
19JUL88	D	Hemicordata	95	0.4510
19JUL88	D	Mollusca	1513	4.3066
19JUL88	D	Nemertinea	1796	0.2921
19JUL88	D	Other	189	0.1721
19JUL88	D	Ophiuroidea	473	0.8150
19JUL88	D	Polychaeta	12006	1.1591
19JUL88	D	Sipunculida	95	0.0009
22NOV88	A	Crustacea	378	0.0359
22NOV88	A	Mollusca	189	0.0123
22NOV88	A	Nemertinea	189	0.0227
22NOV88	A	Polychaeta	8413	2.6161
22NOV88	B	Crustacea	284	0.0284
22NOV88	B	Mollusca	95	0.0076
22NOV88	B	Nemertinea	95	0.0076
22NOV88	B	Polychaeta	8035	0.6240
22NOV88	C	Crustacea	378	0.0189
22NOV88	C	Hemicordata	284	0.2496
22NOV88	C	Mollusca	284	0.0265
22NOV88	C	Nemertinea	95	0.0047
22NOV88	C	Polychaeta	13329	4.1289
22NOV88	D	Crustacea	20325	0.9417
22NOV88	D	Mollusca	5105	0.2033
22NOV88	D	Nemertinea	567	0.7290
22NOV88	D	Other	189	0.0180
22NOV88	D	Ophiuroidea	1040	0.3839
22NOV88	D	Polychaeta	13802	1.5411
05APR89	A	Crustacea	14560	0.3158
05APR89	A	Mollusca	6051	6.2722
05APR89	A	Other	95	0.0057
05APR89	A	Polychaeta	6051	4.0844
05APR89	B	Crustacea	378	0.6722
05APR89	B	Hemicordata	95	0.0132
05APR89	B	Mollusca	2175	2.2899
05APR89	B	Other	95	0.0085
05APR89	B	Polychaeta	8887	2.5651
05APR89	C	Crustacea	284	1.7047
05APR89	C	Mollusca	378	0.0425
05APR89	C	Nemertinea	378	0.2817
05APR89	C	Polychaeta	7186	6.0264
05APR89	D	Crustacea	4727	2.2379
05APR89	D	Mollusca	6902	18.5397
05APR89	D	Nemertinea	1135	0.4690
05APR89	D	Other	95	0.1097
05APR89	D	Ophiuroidea	662	4.7661
05APR89	D	Polychaeta	15789	1.3823
05APR89	D	Sipunculida	473	0.5361
22JUL89	A	Crustacea	378	0.0028
22JUL89	A	Mollusca	1796	2.2568

22JUL89	A	Polychaeta	5861	1.5307
22JUL89	B	Crustacea	1513	0.0284
22JUL89	B	Mollusca	1134	0.7223
22JUL89	B	Nemertinea	189	0.0199
22JUL89	B	Polychaeta	5672	1.0419
22JUL89	C	Crustacea	662	0.0378
22JUL89	C	Mollusca	189	0.0615
22JUL89	C	Nemertinea	189	0.4170
22JUL89	C	Ophiuroidea	95	0.0028
22JUL89	C	Polychaeta	3687	0.5701
22JUL89	D	Crustacea	5388	1.4541
22JUL89	D	Mollusca	7374	11.1877
22JUL89	D	Nemertinea	945	0.3479
22JUL89	D	Other	95	0.0095
22JUL89	D	Ophiuroidea	756	28.0633
22JUL89	D	Polychaeta	8319	1.8834
22JUL89	D	Sipunculida	95	0.4037
05DEC89	A	Crustacea	567	0.0076
05DEC89	A	Mollusca	1513	0.1711
05DEC89	A	Polychaeta	5578	0.5815
05DEC89	B	Crustacea	95	0.0009
05DEC89	B	Mollusca	662	0.0823
05DEC89	B	Nemertinea	95	0.0151
05DEC89	B	Other	662	0.8670
05DEC89	B	Polychaeta	7942	2.6388
05DEC89	C	Crustacea	1135	0.0709
05DEC89	C	Mollusca	851	0.0416
05DEC89	C	Nemertinea	284	0.0199
05DEC89	C	Other	95	0.0085
05DEC89	C	Ophiuroidea	567	3.5568
05DEC89	C	Polychaeta	14560	4.7585
05DEC89	C	Sipunculida	95	0.0274
05DEC89	D	Crustacea	1040	0.4056
05DEC89	D	Hemicordata	662	12.8489
05DEC89	D	Mollusca	5011	0.9474
05DEC89	D	Nemertinea	378	0.1740
05DEC89	D	Other	189	0.0378
05DEC89	D	Ophiuroidea	756	10.5401
05DEC89	D	Polychaeta	9360	11.0449
10APR90	A	Crustacea	2931	0.1343
10APR90	A	Mollusca	1607	3.9086
10APR90	A	Polychaeta	10022	3.9133
10APR90	B	Crustacea	1513	0.1172
10APR90	B	Mollusca	1702	0.5843
10APR90	B	Other	284	0.0804
10APR90	B	Polychaeta	9076	2.6360
10APR90	C	Crustacea	3215	0.3725
10APR90	C	Hemicordata	95	0.0189
10APR90	C	Mollusca	1229	0.1967
10APR90	C	Nemertinea	662	0.7554
10APR90	C	Ophiuroidea	95	0.4406
10APR90	C	Polychaeta	17680	7.9448
10APR90	D	Crustacea	3120	1.2310
10APR90	D	Hemicordata	1135	8.1026
10APR90	D	Mollusca	6429	2.0942
10APR90	D	Nemertinea	851	0.5919
10APR90	D	Other	284	0.0463

10APR90	D	Ophiuroidea	473	8.9564
10APR90	D	Polychaeta	12953	5.7078
31JUL90	A	Crustacea	473	0.0085
31JUL90	A	Mollusca	189	0.0009
31JUL90	A	Nemertinea	95	1.8635
31JUL90	A	Other	95	0.0047
31JUL90	A	Polychaeta	3498	0.9303
31JUL90	B	Crustacea	473	0.0076
31JUL90	B	Mollusca	378	0.0454
31JUL90	B	Nemertinea	189	0.0407
31JUL90	B	Polychaeta	3404	1.2367
31JUL90	C	Crustacea	284	0.0038
31JUL90	C	Hemicordata	95	0.0057
31JUL90	C	Mollusca	378	0.0170
31JUL90	C	Nemertinea	756	0.2430
31JUL90	C	Other	284	0.0425
31JUL90	C	Ophiuroidea	284	0.6911
31JUL90	C	Polychaeta	20233	6.1512
31JUL90	D	Crustacea	189	0.0274
31JUL90	D	Mollusca	1702	3.6259
31JUL90	D	Nemertinea	662	0.1579
31JUL90	D	Ophiuroidea	284	1.5250
31JUL90	D	Polychaeta	9833	1.0334
23OCT90	A	Crustacea	95	0.0189
23OCT90	A	Polychaeta	2175	0.1891
23OCT90	B	Crustacea	284	0.0047
23OCT90	B	Nemertinea	95	0.0520
23OCT90	B	Polychaeta	10022	1.9477
23OCT90	C	Crustacea	851	2.8364
23OCT90	C	Mollusca	473	0.0851
23OCT90	C	Nemertinea	473	0.1182
23OCT90	C	Other	284	0.0756
23OCT90	C	Ophiuroidea	1135	34.4623
23OCT90	C	Polychaeta	38859	13.8766
23OCT90	D	Crustacea	95	0.0142
23OCT90	D	Hemicordata	95	0.0851
23OCT90	D	Mollusca	1513	0.5436
23OCT90	D	Nemertinea	756	0.2033
23OCT90	D	Ophiuroidea	662	3.5786
23OCT90	D	Polychaeta	5106	4.9448
23OCT90	D	Sipunculida	378	0.4444
25JAN91	A	Mollusca	567	0.0132
25JAN91	A	Other	0	0.0000
25JAN91	A	Polychaeta	1135	0.0255
25JAN91	B	Mollusca	2364	0.1683
25JAN91	B	Nemertinea	189	0.1002
25JAN91	B	Polychaeta	8698	2.6275
25JAN91	C	Crustacea	189	0.0255
25JAN91	C	Hemicordata	567	4.4295
25JAN91	C	Mollusca	945	0.4642
25JAN91	C	Nemertinea	567	0.2071
25JAN91	C	Ophiuroidea	284	3.3186
25JAN91	C	Polychaeta	22597	8.4156
25JAN91	D	Crustacea	189	0.0028
25JAN91	D	Hemicordata	1985	0.0577
25JAN91	D	Mollusca	1796	0.3754
25JAN91	D	Nemertinea	1040	0.4727

25JAN91	D	Other	95	0.2392
25JAN91	D	Ophiuroidea	284	1.3634
25JAN91	D	Polychaeta	9360	2.6719
25JAN91	D	Sipunculida	567	0.7119
24APR91	A	Mollusca	189	0.9984
24APR91	A	Other	0	0.0000
24APR91	A	Polychaeta	1702	0.0832
24APR91	B	Mollusca	95	0.0038
24APR91	B	Polychaeta	3498	0.7932
24APR91	C	Crustacea	95	0.0076
24APR91	C	Hemicordata	662	5.4875
24APR91	C	Mollusca	284	0.0132
24APR91	C	Nemertinea	851	0.2193
24APR91	C	Other	284	0.0028
24APR91	C	Ophiuroidea	189	1.2282
24APR91	C	Polychaeta	19855	6.2013
24APR91	D	Crustacea	945	0.0662
24APR91	D	Hemicordata	2742	16.1618
24APR91	D	Mollusca	378	0.1343
24APR91	D	Nemertinea	1135	0.3536
24APR91	D	Other	756	0.0407
24APR91	D	Ophiuroidea	284	5.5329
24APR91	D	Polychaeta	31200	6.2599
24JUL91	A	Crustacea	378	0.0293
24JUL91	A	Chironomid larvae	95	0.0104
24JUL91	A	Mollusca	284	0.0274
24JUL91	A	Nemertinea	284	0.0407
24JUL91	A	Polychaeta	3782	0.2600
24JUL91	B	Mollusca	378	0.0199
24JUL91	B	Nemertinea	284	0.0170
24JUL91	B	Polychaeta	10022	1.0381
24JUL91	C	Crustacea	473	0.9105
24JUL91	C	Hemicordata	378	0.7469
24JUL91	C	Mollusca	473	0.0662
24JUL91	C	Nemertinea	378	0.0482
24JUL91	C	Other	284	0.0312
24JUL91	C	Ophiuroidea	95	1.6914
24JUL91	C	Polychaeta	15695	6.5540
24JUL91	D	Crustacea	189	0.0425
24JUL91	D	Mollusca	1702	1.0400
24JUL91	D	Nemertinea	662	0.0747
24JUL91	D	Other	95	0.0208
24JUL91	D	Ophiuroidea	189	1.7302
24JUL91	D	Polychaeta	10778	1.6744
24JUL91	D	Sipunculida	189	0.2042
14OCT91	A	Crustacea	378	0.0539
14OCT91	A	Mollusca	189	0.0378
14OCT91	A	Polychaeta	5389	0.3054
14OCT91	B	Crustacea	95	0.0246
14OCT91	B	Mollusca	95	0.3309
14OCT91	B	Polychaeta	4160	0.2780
14OCT91	C	Crustacea	378	0.0227
14OCT91	C	Hemicordata	378	2.8383
14OCT91	C	Mollusca	1702	1.1365
14OCT91	C	Nemertinea	567	0.0841
14OCT91	C	Other	189	0.0180
14OCT91	C	Ophiuroidea	284	0.6779

14OCT91	C	Polychaeta	13047	1.5487
14OCT91	D	Crustacea	189	0.0123
14OCT91	D	Mollusca	1324	0.1532
14OCT91	D	Nemertinea	95	0.0567
14OCT91	D	Ophiuroidea	378	2.3542
14OCT91	D	Polychaeta	11157	0.8755
20JAN92	A	Mollusca	1985	0.8235
20JAN92	A	Polychaeta	6713	0.5493
20JAN92	B	Mollusca	1040	0.0870
20JAN92	B	Polychaeta	4160	1.2707
20JAN92	C	Crustacea	95	0.0057
20JAN92	C	Mollusca	189	0.2269
20JAN92	C	Polychaeta	2836	0.6959
20JAN92	D	Crustacea	95	0.0019
20JAN92	D	Mollusca	945	0.1352
20JAN92	D	Nemertinea	473	0.1248
20JAN92	D	Other	567	0.0274
20JAN92	D	Ophiuroidea	567	4.8096
20JAN92	D	Polychaeta	7280	1.7803
06APR92	A	Mollusca	851	0.3205
06APR92	A	Nemertinea	189	0.2940
06APR92	A	Polychaeta	3971	0.0747
06APR92	B	Mollusca	189	0.0113
06APR92	B	Polychaeta	6335	0.4160
06APR92	C	Polychaeta	3215	0.5890
06APR92	D	Crustacea	1607	0.0255
06APR92	D	Mollusca	1418	0.4794
06APR92	D	Nemertinea	473	0.3489
06APR92	D	Other	95	0.0662
06APR92	D	Ophiuroidea	473	3.9870
06APR92	D	Polychaeta	10116	6.9350
12JUL92	A	Crustacea	95	0.0057
12JUL92	A	Chironomid larvae	189	0.0321
12JUL92	A	Mollusca	95	0.0095
12JUL92	A	Nemertinea	95	0.0028
12JUL92	A	Polychaeta	4066	0.2127
12JUL92	B	Chironomid larvae	95	0.0076
12JUL92	B	Mollusca	95	0.0047
12JUL92	B	Polychaeta	5484	0.6637
12JUL92	C	Nemertinea	95	0.0028
12JUL92	C	Polychaeta	8604	0.6855
12JUL92	D	Crustacea	378	0.1191
12JUL92	D	Mollusca	567	0.0851
12JUL92	D	Nemertinea	378	0.0132
12JUL92	D	Other	95	0.0019
12JUL92	D	Ophiuroidea	662	4.9713
12JUL92	D	Polychaeta	7280	1.7557
06OCT92	A	Crustacea	95	0.0019
06OCT92	A	Chironomid larvae	95	0.0161
06OCT92	A	Nemertinea	189	0.0199
06OCT92	A	Polychaeta	7658	0.2014
06OCT92	B	Mollusca	95	0.0038
06OCT92	B	Polychaeta	5011	0.2553
06OCT92	C	Crustacea	95	0.0047
06OCT92	C	Mollusca	6618	4.0561
06OCT92	C	Nemertinea	756	0.0359
06OCT92	C	Ophiuroidea	189	0.0019

06OCT92	C	Polychaeta	15317	0.8415
06OCT92	D	Crustacea	284	0.1569
06OCT92	D	Mollusca	1702	0.2089
06OCT92	D	Nemertinea	567	0.0407
06OCT92	D	Ophiuroidea	473	2.6085
06OCT92	D	Polychaeta	15789	0.7394
12JAN93	A	Chironomid larvae	95	0.0066
12JAN93	A	Mollusca	1040	0.0823
12JAN93	A	Polychaeta	15127	0.4330
12JAN93	B	Crustacea	95	0.0113
12JAN93	B	Mollusca	662	0.0274
12JAN93	B	Nemertinea	95	0.0019
12JAN93	B	Polychaeta	9171	0.2165
12JAN93	C	Crustacea	378	0.0161
12JAN93	C	Mollusca	378	0.2988
12JAN93	C	Nemertinea	567	0.0388
12JAN93	C	Other	95	0.4207
12JAN93	C	Ophiuroidea	567	0.3413
12JAN93	C	Polychaeta	21084	1.4163
12JAN93	C	Sipunculida	95	0.2231
12JAN93	D	Crustacea	284	0.1343
12JAN93	D	Mollusca	945	0.0529
12JAN93	D	Nemertinea	567	0.0132
12JAN93	D	Other	95	0.0085
12JAN93	D	Ophiuroidea	1229	2.2795
12JAN93	D	Polychaeta	10022	1.6375
12JAN93	E	Mollusca	378	0.0151
12JAN93	E	Nemertinea	284	0.0076
12JAN93	E	Ophiuroidea	284	0.0057
12JAN93	E	Polychaeta	15222	4.3104
12JAN93	F	Mollusca	1891	0.3886
12JAN93	F	Nemertinea	189	0.7507
12JAN93	F	Other	189	0.0369
12JAN93	F	Polychaeta	12669	2.0715
05APR93	A	Mollusca	378	1.6196
05APR93	A	Nemertinea	567	0.0227
05APR93	A	Other	95	0.0057
05APR93	A	Polychaeta	11251	0.2562
05APR93	B	Mollusca	945	1.1062
05APR93	B	Nemertinea	473	0.9757
05APR93	B	Other	378	0.0425
05APR93	B	Polychaeta	13709	2.1141
05APR93	C	Crustacea	756	0.0293
05APR93	C	Mollusca	5389	1.7122
05APR93	C	Polychaeta	2836	0.8991
05APR93	D	Crustacea	189	0.0038
05APR93	D	Mollusca	189	0.0057
05APR93	D	Nemertinea	662	1.3794
05APR93	D	Other	378	17.4212
05APR93	D	Ophiuroidea	473	2.4090
05APR93	D	Polychaeta	22597	2.7787
05APR93	D	Sipunculida	95	0.0057
05APR93	E	Crustacea	189	0.0104
05APR93	E	Mollusca	1135	0.4604
05APR93	E	Nemertinea	662	0.1135
05APR93	E	Other	95	0.0927
05APR93	E	Ophiuroidea	95	0.0321

05APR93	E	Polychaeta	12669	1.5884
05APR93	F	Mollusca	2931	5.9744
05APR93	F	Nemertinea	662	0.6268
05APR93	F	Other	567	0.0095
05APR93	F	Polychaeta	18437	2.4960
09JUL93	A	Chironomid larvae	189	0.0132
09JUL93	A	Mollusca	1040	1.2839
09JUL93	A	Polychaeta	6335	0.0870
09JUL93	B	Chironomid larvae	95	0.0066
09JUL93	B	Mollusca	284	0.0189
09JUL93	B	Polychaeta	2742	0.3215
09JUL93	C	Mollusca	756	0.3054
09JUL93	C	Nemertinea	95	0.0076
09JUL93	C	Polychaeta	5295	1.2471
09JUL93	D	Crustacea	756	0.2430
09JUL93	D	Mollusca	756	0.0983
09JUL93	D	Nemertinea	189	0.0927
09JUL93	D	Other	95	0.0113
09JUL93	D	Ophiuroidea	95	0.4406
09JUL93	D	Polychaeta	3971	0.5474
09JUL93	E	Mollusca	2836	0.3470
09JUL93	E	Nemertinea	95	0.0038
09JUL93	E	Polychaeta	4538	1.0060
09JUL93	F	Mollusca	95	0.0019
09JUL93	F	Nemertinea	95	0.0217
09JUL93	F	Polychaeta	9549	1.7756
11OCT93	A	Polychaeta	1135	0.0331
11OCT93	B	Mollusca	95	0.0009
11OCT93	B	Nemertinea	189	0.0038
11OCT93	B	Polychaeta	1607	0.2647
11OCT93	C	Mollusca	378	0.0246
11OCT93	C	Nemertinea	189	0.0189
11OCT93	C	Other	95	0.0652
11OCT93	C	Ophiuroidea	378	0.0066
11OCT93	C	Polychaeta	7186	0.9256
11OCT93	D	Crustacea	95	0.0019
11OCT93	D	Mollusca	1324	0.0737
11OCT93	D	Nemertinea	756	0.1399
11OCT93	D	Ophiuroidea	378	3.7034
11OCT93	D	Polychaeta	4349	0.4207
11OCT93	E	Mollusca	473	0.0945
11OCT93	E	Polychaeta	5484	1.5288
11OCT93	F	Crustacea	756	0.0737
11OCT93	F	Mollusca	95	0.0047
11OCT93	F	Nemertinea	189	0.0019
11OCT93	F	Polychaeta	3309	0.5711
05JAN94	A	Crustacea	378	0.0076
05JAN94	A	Mollusca	1796	0.1428
05JAN94	A	Nemertinea	95	0.0369
05JAN94	A	Polychaeta	8509	0.2846
05JAN94	B	Crustacea	95	0.4623
05JAN94	B	Mollusca	2080	0.8207
05JAN94	B	Polychaeta	3876	3.1191
05JAN94	C	Crustacea	95	0.0009
05JAN94	C	Mollusca	95	0.0577
05JAN94	C	Nemertinea	567	0.1172
05JAN94	C	Ophiuroidea	95	0.0009

05JAN94	C	Polychaeta	6713	1.4267
05JAN94	D	Crustacea	1040	0.5512
05JAN94	D	Mollusca	1040	0.0397
05JAN94	D	Nemertinea	662	0.4529
05JAN94	D	Other	662	0.0529
05JAN94	D	Ophiuroidea	567	1.0561
05JAN94	D	Polychaeta	10116	1.7784
05JAN94	E	Crustacea	284	0.0246
05JAN94	E	Mollusca	24393	2.9527
05JAN94	E	Nemertinea	95	0.0066
05JAN94	E	Other	284	0.0161
05JAN94	E	Ophiuroidea	189	0.0028
05JAN94	E	Polychaeta	15600	3.6202
05JAN94	F	Crustacea	189	0.5455
05JAN94	F	Mollusca	4349	1.9448
05JAN94	F	Nemertinea	189	0.0236
05JAN94	F	Other	189	0.1182
05JAN94	F	Polychaeta	4349	1.0315
07APR94	A	Crustacea	473	0.0208
07APR94	A	Mollusca	2742	2.0800
07APR94	A	Nemertinea	95	0.0823
07APR94	A	Polychaeta	12007	1.2197
07APR94	B	Mollusca	756	0.9180
07APR94	B	Nemertinea	284	0.0681
07APR94	B	Other	95	0.0123
07APR94	B	Polychaeta	8036	1.5553
07APR94	C	Nemertinea	95	0.0369
07APR94	C	Polychaeta	2836	0.6703
07APR94	D	Crustacea	473	0.0889
07APR94	D	Mollusca	378	0.0908
07APR94	D	Nemertinea	378	0.3007
07APR94	D	Other	284	0.0236
07APR94	D	Ophiuroidea	378	1.4031
07APR94	D	Polychaeta	9360	4.1024
07APR94	E	Crustacea	945	0.0728
07APR94	E	Mollusca	6335	4.4248
07APR94	E	Nemertinea	95	0.0331
07APR94	E	Other	95	0.0038
07APR94	E	Ophiuroidea	378	0.0529
07APR94	E	Polychaeta	14087	3.4424
07APR94	F	Crustacea	756	0.0151
07APR94	F	Mollusca	1418	3.8291
07APR94	F	Polychaeta	2931	1.5487
07JUL94	A	Crustacea	95	0.0208
07JUL94	A	Mollusca	378	1.6300
07JUL94	A	Nemertinea	189	0.1257
07JUL94	A	Polychaeta	7375	1.8531
07JUL94	B	Mollusca	378	0.3044
07JUL94	B	Nemertinea	284	0.0208
07JUL94	B	Polychaeta	4916	1.1090
07JUL94	C	Crustacea	567	0.0199
07JUL94	C	Hemicordata	284	0.0142
07JUL94	C	Nemertinea	284	0.0255
07JUL94	C	Other	95	0.0076
07JUL94	C	Polychaeta	3025	0.8462
07JUL94	D	Crustacea	851	0.2874
07JUL94	D	Mollusca	1229	0.0870

07JUL94	D	Nemertinea	95	0.0132
07JUL94	D	Ophiuroidea	284	2.4261
07JUL94	D	Polychaeta	7280	0.9871
07JUL94	E	Hemicordata	2647	4.4598
07JUL94	E	Mollusca	662	0.5559
07JUL94	E	Nemertinea	95	0.0227
07JUL94	E	Other	284	0.0709
07JUL94	E	Ophiuroidea	189	0.1059
07JUL94	E	Polychaeta	11251	0.6231
07JUL94	F	Crustacea	284	0.0047
07JUL94	F	Hemicordata	1135	20.5062
07JUL94	F	Nemertinea	95	0.0170
07JUL94	F	Other	95	0.0095
07JUL94	F	Polychaeta	5106	0.9190
20OCT94	A	Crustacea	95	0.0019
20OCT94	A	Polychaeta	3687	0.5380
20OCT94	B	Crustacea	95	0.0066
20OCT94	B	Polychaeta	3025	0.4415
20OCT94	C	Crustacea	95	0.0132
20OCT94	C	Hemicordata	95	1.9675
20OCT94	C	Mollusca	189	0.0217
20OCT94	C	Nemertinea	567	0.0548
20OCT94	C	Polychaeta	6902	0.3451
20OCT94	D	Crustacea	1324	0.6023
20OCT94	D	Mollusca	3025	0.1607
20OCT94	D	Nemertinea	473	0.1759
20OCT94	D	Ophiuroidea	473	4.2839
20OCT94	D	Polychaeta	6807	7.7812
20OCT94	E	Crustacea	95	0.0019
20OCT94	E	Hemicordata	284	0.5919
20OCT94	E	Mollusca	189	0.0019
20OCT94	E	Nemertinea	567	0.0227
20OCT94	E	Other	95	0.0123
20OCT94	E	Ophiuroidea	189	0.4746
20OCT94	E	Polychaeta	6051	0.2061
20OCT94	F	Hemicordata	284	3.2505
20OCT94	F	Mollusca	95	0.0028
20OCT94	F	Nemertinea	189	0.0378
20OCT94	F	Polychaeta	10873	0.4623
10JAN95	A	Crustacea	95	0.0388
10JAN95	A	Mollusca	95	0.0028
10JAN95	A	Nemertinea	95	0.0255
10JAN95	A	Polychaeta	3025	0.4264
10JAN95	B	Mollusca	95	0.0123
10JAN95	B	Nemertinea	95	0.0208
10JAN95	B	Polychaeta	5106	0.5928
10JAN95	C	Hemicordata	378	2.6048
10JAN95	C	Mollusca	95	0.0236
10JAN95	C	Nemertinea	284	0.0473
10JAN95	C	Other	95	0.0085
10JAN95	C	Polychaeta	8320	1.6933
10JAN95	D	Crustacea	189	0.0737
10JAN95	D	Hemicordata	473	0.0142
10JAN95	D	Mollusca	2080	0.1532
10JAN95	D	Nemertinea	473	0.1796
10JAN95	D	Other	756	0.0331
10JAN95	D	Ophiuroidea	662	2.7835

10JAN95	D	Polychaeta	10306	7.3860
10JAN95	D	Sipunculida	95	0.2184
10JAN95	E	Hemicordata	378	4.8663
10JAN95	E	Mollusca	95	0.0009
10JAN95	E	Nemertinea	284	0.0274
10JAN95	E	Other	95	0.0009
10JAN95	E	Polychaeta	9076	0.7668
10JAN95	F	Crustacea	284	0.0057
10JAN95	F	Hemicordata	473	6.6901
10JAN95	F	Mollusca	378	0.0076
10JAN95	F	Nemertinea	284	0.2505
10JAN95	F	Polychaeta	28364	1.9496
06APR95	A	Crustacea	189	0.0085
06APR95	A	Mollusca	3120	0.1276
06APR95	A	Nemertinea	284	0.1314
06APR95	A	Other	95	0.0265
06APR95	A	Polychaeta	12764	1.9524
06APR95	B	Crustacea	95	0.0057
06APR95	B	Mollusca	1702	0.1286
06APR95	B	Polychaeta	10400	2.3788
06APR95	C	Crustacea	284	0.0151
06APR95	C	Hemicordata	95	0.1191
06APR95	C	Mollusca	378	0.0558
06APR95	C	Nemertinea	189	0.0425
06APR95	C	Other	95	0.0388
06APR95	C	Polychaeta	6524	2.0271
06APR95	C	Sipunculida	95	0.2364
06APR95	D	Crustacea	473	0.0066
06APR95	D	Hemicordata	2080	9.6069
06APR95	D	Mollusca	662	0.1305
06APR95	D	Nemertinea	473	0.5380
06APR95	D	Other	378	0.0199
06APR95	D	Ophiuroidea	284	1.8616
06APR95	D	Polychaeta	43775	6.0983
06APR95	E	Hemicordata	378	3.2732
06APR95	E	Mollusca	567	0.0312
06APR95	E	Nemertinea	473	0.0596
06APR95	E	Other	189	0.0558
06APR95	E	Ophiuroidea	95	0.0180
06APR95	E	Polychaeta	10589	1.0892
06APR95	F	Crustacea	189	0.0076
06APR95	F	Hemicordata	189	2.3466
06APR95	F	Nemertinea	189	0.0388
06APR95	F	Other	378	0.0775
06APR95	F	Polychaeta	33091	3.6079
06JUL95	A	Crustacea	95	0.0085
06JUL95	A	Polychaeta	4822	0.8018
06JUL95	B	Mollusca	95	0.1239
06JUL95	B	Nemertinea	95	0.1012
06JUL95	B	Polychaeta	5200	1.3284
06JUL95	C	Crustacea	567	0.0265
06JUL95	C	Mollusca	95	0.0009
06JUL95	C	Nemertinea	378	0.1636
06JUL95	C	Polychaeta	10116	1.1525
06JUL95	D	Crustacea	2080	0.7677
06JUL95	D	Mollusca	1229	0.1711
06JUL95	D	Nemertinea	378	0.0823

06JUL95	D	Other	95	0.0407
06JUL95	D	Ophiuroidea	284	0.5077
06JUL95	D	Polychaeta	8887	0.8878
06JUL95	D	Sipunculida	95	0.0681
06JUL95	E	Hemicordata	284	3.0198
06JUL95	E	Mollusca	189	0.0047
06JUL95	E	Other	95	0.0038
06JUL95	E	Ophiuroidea	95	0.4132
06JUL95	E	Polychaeta	6524	0.7299
06JUL95	F	Hemicordata	189	5.2993
06JUL95	F	Mollusca	189	0.0369
06JUL95	F	Nemertinea	189	0.0113
06JUL95	F	Polychaeta	44059	2.6700
04OCT95	A	Polychaeta	1607	0.0605
04OCT95	B	Mollusca	95	0.7044
04OCT95	B	Nemertinea	95	0.0132
04OCT95	B	Polychaeta	3120	0.2855
04OCT95	C	Crustacea	189	0.0085
04OCT95	C	Mollusca	378	0.1447
04OCT95	C	Nemertinea	284	0.0615
04OCT95	C	Polychaeta	5956	1.1193
04OCT95	D	Crustacea	95	0.0009
04OCT95	D	Nemertinea	284	0.0057
04OCT95	D	Ophiuroidea	189	0.4037
04OCT95	D	Polychaeta	4349	0.1579
04OCT95	E	Crustacea	284	0.0076
04OCT95	E	Hemicordata	662	0.4472
04OCT95	E	Mollusca	189	0.0170
04OCT95	E	Nemertinea	378	0.0199
04OCT95	E	Other	95	0.0104
04OCT95	E	Polychaeta	6996	0.2893
04OCT95	F	Mollusca	189	0.0265
04OCT95	F	Nemertinea	567	0.0945
04OCT95	F	Ophiuroidea	95	8.5744
04OCT95	F	Polychaeta	9455	0.4519
09JAN96	A	Mollusca	473	0.0407
09JAN96	A	Nemertinea	189	0.0340
09JAN96	A	Polychaeta	11818	0.7450
09JAN96	B	Crustacea	378	0.1957
09JAN96	B	Mollusca	662	0.2940
09JAN96	B	Polychaeta	6618	0.3479
09JAN96	C	Crustacea	189	0.0047
09JAN96	C	Mollusca	567	0.0662
09JAN96	C	Nemertinea	662	0.0246
09JAN96	C	Other	95	0.0104
09JAN96	C	Ophiuroidea	95	0.0019
09JAN96	C	Polychaeta	6240	2.4081
09JAN96	D	Crustacea	95	0.0425
09JAN96	D	Hemicordata	95	0.0028
09JAN96	D	Mollusca	1796	0.5228
09JAN96	D	Nemertinea	567	0.3536
09JAN96	D	Other	851	0.0085
09JAN96	D	Ophiuroidea	284	2.7929
09JAN96	D	Polychaeta	7847	3.3441
09JAN96	E	Hemicordata	378	5.3920
09JAN96	E	Mollusca	189	0.0076
09JAN96	E	Nemertinea	95	0.0057

09JAN96	E	Other	95	0.0009
09JAN96	E	Ophiuroidea	378	0.0047
09JAN96	E	Polychaeta	5295	0.5909
09JAN96	E	Sipunculida	95	0.0113
09JAN96	F	Hemicordata	189	1.8134
09JAN96	F	Mollusca	378	0.0321
09JAN96	F	Nemertinea	95	0.0113
09JAN96	F	Polychaeta	14749	1.2509
02APR96	A	Crustacea	189	0.0019
02APR96	A	Mollusca	851	1.4182
02APR96	A	Nemertinea	95	0.0076
02APR96	A	Polychaeta	6618	0.4794
02APR96	B	Crustacea	473	0.0473
02APR96	B	Mollusca	2647	2.6832
02APR96	B	Nemertinea	95	0.0076
02APR96	B	Polychaeta	4349	0.3432
02APR96	C	Hemicordata	378	0.1484
02APR96	C	Mollusca	1135	0.0719
02APR96	C	Nemertinea	95	0.0076
02APR96	C	Ophiuroidea	95	0.5115
02APR96	C	Polychaeta	3971	0.9842
02APR96	D	Crustacea	1607	0.7932
02APR96	D	Mollusca	1418	0.3262
02APR96	D	Nemertinea	473	0.6448
02APR96	D	Other	945	0.0605
02APR96	D	Ophiuroidea	189	1.7349
02APR96	D	Polychaeta	9833	1.2461
02APR96	D	Sipunculida	189	0.0719
02APR96	E	Hemicordata	95	0.3054
02APR96	E	Mollusca	284	0.0227
02APR96	E	Nemertinea	189	0.1087
02APR96	E	Other	189	0.0851
02APR96	E	Ophiuroidea	662	1.5638
02APR96	E	Polychaeta	2647	0.7724
02APR96	F	Crustacea	378	0.0170
02APR96	F	Hemicordata	189	2.6379
02APR96	F	Mollusca	473	0.0709
02APR96	F	Nemertinea	378	0.1257
02APR96	F	Polychaeta	8036	1.0296
09JUL96	A	Crustacea	95	0.0009
09JUL96	A	Mollusca	189	0.0246
09JUL96	A	Polychaeta	9549	0.6250
09JUL96	B	Crustacea	95	0.0009
09JUL96	B	Mollusca	378	0.1494
09JUL96	B	Polychaeta	7564	1.3255
09JUL96	C	Crustacea	189	0.0038
09JUL96	C	Polychaeta	945	0.1938
09JUL96	D	Crustacea	3498	1.3794
09JUL96	D	Mollusca	851	4.0201
09JUL96	D	Nemertinea	473	0.1891
09JUL96	D	Other	95	0.2127
09JUL96	D	Ophiuroidea	189	5.9990
09JUL96	D	Polychaeta	5106	1.1336
09JUL96	E	Crustacea	189	0.0151
09JUL96	E	Hemicordata	95	0.1513
09JUL96	E	Mollusca	189	0.0038
09JUL96	E	Nemertinea	95	0.2931

09JUL96	E	Ophiuroidea	378	0.6930
09JUL96	E	Polychaeta	4916	1.1242
09JUL96	F	Crustacea	284	0.1503
09JUL96	F	Mollusca	95	0.0482
09JUL96	F	Nemertinea	95	0.0170
09JUL96	F	Polychaeta	3687	1.6461
14OCT96	A	Polychaeta	2742	0.2600
14OCT96	B	Crustacea	284	0.0085
14OCT96	B	Nemertinea	95	0.0180
14OCT96	B	Polychaeta	5106	0.4415
14OCT96	C	Crustacea	95	0.0255
14OCT96	C	Mollusca	189	0.0095
14OCT96	C	Polychaeta	2458	0.4037
14OCT96	D	Crustacea	2647	0.4094
14OCT96	D	Mollusca	3120	0.3990
14OCT96	D	Nemertinea	662	0.1409
14OCT96	D	Other	95	0.2997
14OCT96	D	Ophiuroidea	284	4.3482
14OCT96	D	Polychaeta	16451	1.1705
14OCT96	D	Sipunculida	189	0.0870
14OCT96	E	Crustacea	662	0.0142
14OCT96	E	Mollusca	1040	0.0359
14OCT96	E	Nemertinea	189	0.0038
14OCT96	E	Ophiuroidea	284	0.7895
14OCT96	E	Polychaeta	19288	3.3299
14OCT96	F	Crustacea	567	0.0142
14OCT96	F	Mollusca	567	0.0671
14OCT96	F	Nemertinea	189	0.0255
14OCT96	F	Other	95	0.0303
14OCT96	F	Ophiuroidea	284	0.0066
14OCT96	F	Polychaeta	5389	1.6451
25JAN97	A	Crustacea	189	0.0132
25JAN97	A	Mollusca	756	0.1768
25JAN97	A	Nemertinea	284	0.0501
25JAN97	A	Polychaeta	5295	0.3073
25JAN97	B	Crustacea	378	0.0208
25JAN97	B	Mollusca	945	0.0255
25JAN97	B	Other	95	0.0047
25JAN97	B	Polychaeta	3215	0.1768
25JAN97	C	Mollusca	1891	0.1465
25JAN97	C	Nemertinea	95	0.0095
25JAN97	C	Ophiuroidea	95	0.0066
25JAN97	C	Polychaeta	2647	0.5162
25JAN97	D	Crustacea	3025	2.1169
25JAN97	D	Mollusca	4916	0.9455
25JAN97	D	Nemertinea	851	0.2695
25JAN97	D	Ophiuroidea	189	0.5701
25JAN97	D	Polychaeta	9266	1.4806
25JAN97	E	Crustacea	378	0.0199
25JAN97	E	Mollusca	851	0.0180
25JAN97	E	Nemertinea	284	0.0095
25JAN97	E	Other	95	0.0378
25JAN97	E	Ophiuroidea	95	1.5865
25JAN97	E	Polychaeta	7564	3.5048
25JAN97	F	Crustacea	1229	0.0558
25JAN97	F	Mollusca	1796	0.1267
25JAN97	F	Polychaeta	5295	3.1503

15APR97	A	Crustacea	95	0.0066
15APR97	A	Mollusca	662	0.4160
15APR97	A	Nemertinea	95	0.0444
15APR97	A	Polychaeta	4255	0.1503
15APR97	B	Crustacea	567	0.0397
15APR97	B	Mollusca	189	1.1743
15APR97	B	Nemertinea	95	0.3366
15APR97	B	Polychaeta	5295	0.5295
15APR97	C	Mollusca	756	0.0652
15APR97	C	Nemertinea	189	0.4113
15APR97	C	Other	378	0.1097
15APR97	C	Polychaeta	3498	0.8178
15APR97	D	Crustacea	945	0.8509
15APR97	D	Mollusca	1513	0.2033
15APR97	D	Nemertinea	284	0.0927
15APR97	D	Other	95	0.0009
15APR97	D	Ophiuroidea	189	0.9048
15APR97	D	Polychaeta	9360	1.4693
15APR97	E	Crustacea	95	0.0199
15APR97	E	Mollusca	1229	0.1579
15APR97	E	Nemertinea	95	0.0009
15APR97	E	Ophiuroidea	95	0.8292
15APR97	E	Polychaeta	7658	1.0618
15APR97	F	Crustacea	95	0.0095
15APR97	F	Mollusca	95	0.2222
15APR97	F	Nemertinea	189	1.1412
15APR97	F	Polychaeta	3309	1.1421
09JUL97	E	Polychaeta	2364	0.4387
09JUL97	F	Nemertinea	95	0.0369
09JUL97	F	Polychaeta	2553	0.4954

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Date	Station	Taxa	nm^2	gm^2
28JAN87	A	Crustacea	95	0.0284
28JAN87	A	Mollusca	2175	0.4453
28JAN87	A	Polychaeta	11629	1.5506
28JAN87	B	Crustacea	851	0.0284
28JAN87	B	Mollusca	3309	1.4182
28JAN87	B	Polychaeta	17491	1.0495
28JAN87	B	Nemertinea	473	0.5389
30JAN87	C	Crustacea	473	0.0236
30JAN87	C	Mollusca	567	1.2792
30JAN87	C	Polychaeta	7468	0.4935
30JAN87	C	Nemertinea	95	0.0293
30JAN87	D	Crustacea	473	0.0123
30JAN87	D	Mollusca	1891	0.0974
30JAN87	D	Polychaeta	4065	1.2764
04MAR87	A	Mollusca	29688	8.8656
04MAR87	A	Other	95	0.0719
04MAR87	A	Polychaeta	9076	1.1554
04MAR87	A	Nemertinea	95	0.0615
04MAR87	B	Crustacea	95	0.0170
04MAR87	B	Mollusca	5295	3.3101
04MAR87	B	Polychaeta	13426	1.4002
04MAR87	B	Nemertinea	189	0.0785

04MAR87	C	Crustacea	1040	0.0737
04MAR87	C	Mollusca	2175	1.0750
04MAR87	C	Polychaeta	7375	1.6858
04MAR87	D	Mollusca	4255	2.7976
04MAR87	D	Polychaeta	6240	0.8878
08APR87	A	Mollusca	40748	3.1257
08APR87	A	Other	284	0.0482
08APR87	A	Polychaeta	17678	0.6533
08APR87	A	Nemertinea	95	0.0274
08APR87	B	Crustacea	378	0.0416
08APR87	B	Mollusca	7752	4.0466
08APR87	B	Polychaeta	12100	0.5569
08APR87	B	Nemertinea	95	0.0217
10APR87	C	Crustacea	851	0.0359
10APR87	C	Mollusca	1040	4.4541
10APR87	C	Other	1513	0.0511
10APR87	C	Polychaeta	8225	0.4803
10APR87	D	Crustacea	378	0.0085
10APR87	D	Mollusca	1513	2.8487
10APR87	D	Other	662	0.3744
10APR87	D	Polychaeta	6712	0.9587
03JUN87	A	Chironomid larvae	473	0.0624
03JUN87	A	Mollusca	54357	9.1351
03JUN87	A	Polychaeta	3120	0.1418
03JUN87	B	Mollusca	13518	7.1109
03JUN87	B	Polychaeta	8035	0.6448
03JUN87	C	Mollusca	284	3.1541
03JUN87	C	Polychaeta	6050	1.0249
03JUN87	C	Nemertinea	95	0.0057
03JUN87	D	Crustacea	284	0.0189
03JUN87	D	Mollusca	945	4.9325
03JUN87	D	Polychaeta	6334	1.7491
03JUN87	D	Nemertinea	284	0.0662
15JUL87	A	Chironomid larvae	1229	0.0737
15JUL87	A	Mollusca	33470	10.3179
15JUL87	A	Other	0	0.0000
15JUL87	A	Polychaeta	1796	0.2647
15JUL87	B	Chironomid larvae	284	0.0719
15JUL87	B	Mollusca	8604	3.2477
15JUL87	B	Polychaeta	2647	0.2089
15JUL87	C	Crustacea	95	0.0199
15JUL87	C	Chironomid larvae	189	0.0284
15JUL87	C	Mollusca	3782	1.6895
15JUL87	C	Other	756	0.0095
15JUL87	C	Polychaeta	3782	0.2817
15JUL87	C	Nemertinea	95	0.0444
15JUL87	D	Chironomid larvae	95	0.0009
15JUL87	D	Mollusca	851	1.3397
15JUL87	D	Polychaeta	2931	0.2855
18APR88	A	Crustacea	945	0.0482
18APR88	A	Chironomid larvae	473	0.2524
18APR88	A	Mollusca	24866	8.5413
18APR88	A	Polychaeta	57768	4.0078
18APR88	A	Nemertinea	189	0.1352
18APR88	B	Crustacea	2458	0.1910
18APR88	B	Chironomid larvae	284	0.2288
18APR88	B	Mollusca	46139	7.4285

18APR88	B	Polychaeta	119412	7.2432
18APR88	B	Nemertinea	851	0.2723
18APR88	C	Crustacea	1324	0.0889
18APR88	C	Mollusca	33659	2.1585
18APR88	C	Other	284	0.0785
18APR88	C	Polychaeta	39521	3.6410
18APR88	C	Nemertinea	473	0.1153
18APR88	D	Crustacea	378	0.0435
18APR88	D	Mollusca	9927	0.4954
18APR88	D	Other	95	0.0113
18APR88	D	Polychaeta	26661	1.3369
18APR88	D	Nemertinea	95	0.0463
07JUL88	A	Crustacea	945	0.0246
07JUL88	A	Mollusca	24579	12.1332
07JUL88	A	Polychaeta	43296	5.2360
07JUL88	A	Nemertinea	378	0.3574
07JUL88	B	Crustacea	189	0.0955
07JUL88	B	Mollusca	30345	11.7002
07JUL88	B	Polychaeta	24957	2.2445
08JUL88	C	Crustacea	95	0.0009
08JUL88	C	Mollusca	1323	0.4529
08JUL88	C	Polychaeta	16449	0.7951
08JUL88	C	Nemertinea	189	0.1371
08JUL88	D	Crustacea	284	0.0095
08JUL88	D	Mollusca	473	0.0151
08JUL88	D	Polychaeta	10493	0.7167
08JUL88	D	Nemertinea	95	0.0095
22NOV88	A	Crustacea	1040	1.2386
22NOV88	A	Mollusca	5484	7.7065
22NOV88	A	Other	95	0.0359
22NOV88	A	Polychaeta	16735	2.1784
22NOV88	A	Nemertinea	189	0.0832
22NOV88	B	Crustacea	284	0.5503
22NOV88	B	Mollusca	19382	22.0785
22NOV88	B	Polychaeta	14655	0.8566
22NOV88	C	Mollusca	189	0.0151
22NOV88	C	Polychaeta	10306	0.6410
22NOV88	C	Nemertinea	378	0.0321
22NOV88	D	Crustacea	189	0.0340
22NOV88	D	Mollusca	189	0.0671
22NOV88	D	Polychaeta	7942	0.8651
22NOV88	D	Nemertinea	378	0.1220
04APR89	A	Crustacea	1229	0.0756
04APR89	A	Mollusca	21462	2.5556
04APR89	A	Polychaeta	78285	6.1966
04APR89	A	Nemertinea	851	0.0520
04APR89	B	Crustacea	189	0.0236
04APR89	B	Mollusca	9455	3.2070
04APR89	B	Polychaeta	53892	3.0075
04APR89	B	Nemertinea	95	0.0038
04APR89	C	Crustacea	4916	0.1900
04APR89	C	Mollusca	662	0.6458
04APR89	C	Polychaeta	12858	1.3898
04APR89	C	Nemertinea	95	0.0340
04APR89	D	Crustacea	6524	0.1021
04APR89	D	Mollusca	2269	1.5033
04APR89	D	Polychaeta	16355	6.5067

04APR89	D	Nemertinea	189	0.1465
23JUL89	A	Crustacea	1418	0.1276
23JUL89	A	Mollusca	7279	2.3485
23JUL89	A	Polychaeta	17205	2.2776
23JUL89	A	Nemertinea	284	0.0274
23JUL89	B	Crustacea	945	0.0161
23JUL89	B	Mollusca	5199	1.6404
23JUL89	B	Polychaeta	34221	4.3889
23JUL89	B	Nemertinea	284	0.0227
23JUL89	C	Crustacea	1985	0.0605
23JUL89	C	Mollusca	1040	0.2931
23JUL89	C	Polychaeta	11628	1.6130
23JUL89	C	Nemertinea	378	0.0095
23JUL89	D	Crustacea	2552	0.0624
23JUL89	D	Mollusca	1891	0.5134
23JUL89	D	Ophiuroidea	378	11.9932
23JUL89	D	Polychaeta	8224	8.3400
05DEC89	A	Crustacea	1324	0.1560
05DEC89	A	Mollusca	13426	4.1629
05DEC89	A	Polychaeta	26473	5.9385
05DEC89	A	Nemertinea	95	0.0255
05DEC89	B	Crustacea	284	0.0038
05DEC89	B	Mollusca	6618	1.3539
05DEC89	B	Other	95	0.2212
05DEC89	B	Polychaeta	22691	2.4573
05DEC89	B	Nemertinea	189	2.6246
05DEC89	C	Crustacea	662	0.0312
05DEC89	C	Mollusca	189	0.0908
05DEC89	C	Polychaeta	4633	1.6338
05DEC89	C	Nemertinea	95	0.0113
05DEC89	D	Crustacea	284	0.0057
05DEC89	D	Mollusca	567	0.0889
05DEC89	D	Other	95	0.6921
05DEC89	D	Polychaeta	14182	4.3387
05DEC89	D	Nemertinea	756	0.1239
10APR90	C	Crustacea	95	0.0009
10APR90	C	Mollusca	95	0.0028
10APR90	C	Other	378	1.7623
10APR90	C	Ophiuroidea	95	0.1002
10APR90	C	Polychaeta	4633	0.8689
10APR90	C	Nemertinea	95	0.0898
10APR90	D	Crustacea	284	0.0028
10APR90	D	Mollusca	2553	1.3331
10APR90	D	Polychaeta	11157	5.4648
10APR90	D	Nemertinea	189	0.0964
11APR90	A	Crustacea	378	0.0142
11APR90	A	Mollusca	8320	3.6712
11APR90	A	Polychaeta	12858	4.6309
11APR90	A	Nemertinea	95	0.0170
11APR90	B	Crustacea	378	0.0066
11APR90	B	Mollusca	4160	1.3700
11APR90	B	Polychaeta	19098	3.9492
11APR90	B	Nemertinea	95	0.0019
02AUG90	A	Mollusca	13426	4.1865
02AUG90	A	Polychaeta	30822	1.5515
02AUG90	B	Crustacea	95	0.0019
02AUG90	B	Mollusca	284	0.1777

02AUG90	B	Polychaeta	24771	4.1515
02AUG90	C	Crustacea	662	0.0132
02AUG90	C	Mollusca	284	0.2699
02AUG90	C	Other	2742	0.2212
02AUG90	C	Polychaeta	5011	1.7103
02AUG90	C	Nemertinea	95	0.0028
02AUG90	D	Crustacea	189	0.0028
02AUG90	D	Mollusca	2836	0.2713
02AUG90	D	Other	189	0.0340
02AUG90	D	Polychaeta	7564	2.5027
19OCT90	A	Mollusca	3876	1.2197
19OCT90	A	Polychaeta	12291	1.8323
19OCT90	A	Nemertinea	189	0.1220
19OCT90	B	Mollusca	189	0.0444
19OCT90	B	Polychaeta	14371	1.7765
19OCT90	B	Nemertinea	284	0.1163
19OCT90	C	Mollusca	95	0.1910
19OCT90	C	Polychaeta	23353	1.9618
19OCT90	C	Nemertinea	95	0.1106
19OCT90	D	Mollusca	189	0.0331
19OCT90	D	Polychaeta	15411	1.2282
19OCT90	D	Nemertinea	189	0.0889
23JAN91	A	Crustacea	95	0.0019
23JAN91	A	Mollusca	2175	27.3845
23JAN91	A	Polychaeta	20706	1.9278
23JAN91	A	Nemertinea	3025	0.9615
23JAN91	B	Mollusca	945	1.0079
23JAN91	B	Polychaeta	4066	0.5455
23JAN91	B	Nemertinea	3687	0.9162
23JAN91	C	Mollusca	189	0.2260
23JAN91	C	Other	189	0.1513
23JAN91	C	Polychaeta	11346	4.5704
23JAN91	C	Nemertinea	2931	0.8783
23JAN91	D	Crustacea	378	1.1591
23JAN91	D	Mollusca	1040	209.136
23JAN91	D	Other	662	0.0652
23JAN91	D	Polychaeta	69303	12.7335
23JAN91	D	Nemertinea	284	0.0378
22APR91	A	Mollusca	29499	1.3889
22APR91	A	Polychaeta	20895	0.5096
22APR91	A	Nemertinea	1135	0.1333
22APR91	B	Crustacea	95	0.0019
22APR91	B	Mollusca	284	1.0239
22APR91	B	Polychaeta	3404	0.1825
22APR91	B	Nemertinea	1229	0.2316
22APR91	C	Crustacea	378	0.0189
22APR91	C	Mollusca	567	1.7567
22APR91	C	Other	473	0.0596
22APR91	C	Polychaeta	5578	3.5795
22APR91	C	Nemertinea	1418	0.3120
22APR91	D	Crustacea	189	0.0028
22APR91	D	Mollusca	662	0.0435
22APR91	D	Polychaeta	16167	4.9949
22APR91	D	Nemertinea	851	0.2430
17JUL91	A	Crustacea	189	0.0378
17JUL91	A	Mollusca	21368	4.5345
17JUL91	A	Polychaeta	7753	0.3337

17JUL91	B	Crustacea	95	0.0057
17JUL91	B	Mollusca	189	0.0208
17JUL91	B	Nemertinea	95	0.0038
17JUL91	B	Polychaeta	11440	1.9685
17JUL91	C	Crustacea	284	0.0700
17JUL91	C	Mollusca	95	0.0142
17JUL91	C	Nemertinea	378	0.0378
17JUL91	C	Other	189	0.0208
17JUL91	C	Polychaeta	13142	1.5496
17JUL91	D	Crustacea	756	0.0142
17JUL91	D	Mollusca	284	3.0312
17JUL91	D	Nemertinea	473	0.0378
17JUL91	D	Other	95	0.0038
17JUL91	D	Polychaeta	15695	2.6445
15OCT91	A	Crustacea	189	0.0425
15OCT91	A	Chironomid larvae	95	0.0019
15OCT91	A	Mollusca	10022	2.7012
15OCT91	A	Nemertinea	95	0.0113
15OCT91	A	Polychaeta	24771	2.4894
15OCT91	B	Crustacea	95	0.0066
15OCT91	B	Nemertinea	1702	0.3300
15OCT91	B	Polychaeta	74219	6.9312
15OCT91	C	Crustacea	189	0.0047
15OCT91	C	Mollusca	95	0.0019
15OCT91	C	Nemertinea	567	0.0463
15OCT91	C	Other	95	0.1541
15OCT91	C	Polychaeta	24015	1.8002
15OCT91	D	Crustacea	284	0.0208
15OCT91	D	Mollusca	95	0.2316
15OCT91	D	Nemertinea	473	0.0548
15OCT91	D	Other	95	0.0804
15OCT91	D	Polychaeta	14182	2.5216
20JAN92	A	Mollusca	6240	1.9004
20JAN92	A	Nemertinea	662	0.2203
20JAN92	A	Polychaeta	12669	0.5210
20JAN92	B	Crustacea	95	0.0019
20JAN92	B	Mollusca	284	0.0113
20JAN92	B	Polychaeta	36117	3.3574
20JAN92	C	Mollusca	756	0.0643
20JAN92	C	Nemertinea	189	0.0170
20JAN92	C	Other	473	0.4699
20JAN92	C	Polychaeta	10495	0.5351
20JAN92	D	Crustacea	95	0.0028
20JAN92	D	Mollusca	378	0.0076
20JAN92	D	Nemertinea	95	0.0047
20JAN92	D	Polychaeta	6240	2.2634
06APR92	A	Chironomid larvae	189	0.0076
06APR92	A	Mollusca	12953	1.6640
06APR92	A	Nemertinea	284	0.1144
06APR92	A	Other	95	0.0019
06APR92	A	Polychaeta	3971	0.6023
06APR92	B	Mollusca	95	0.0028
06APR92	B	Polychaeta	28080	2.7154
06APR92	C	Mollusca	95	0.0028
06APR92	C	Polychaeta	3876	0.1021
06APR92	D	Mollusca	473	0.3706
06APR92	D	Nemertinea	95	0.0019

06APR92	D	Polychaeta	3498	0.1220
12JUL92	A	Crustacea	95	0.0057
12JUL92	A	Chironomid larvae	851	0.0482
12JUL92	A	Mollusca	27419	10.2460
12JUL92	A	Polychaeta	473	0.0151
12JUL92	B	Chironomid larvae	284	0.0501
12JUL92	B	Polychaeta	4822	0.2704
12JUL92	C	Polychaeta	1796	0.0690
12JUL92	D	Polychaeta	2553	0.3111
07OCT92	A	Chironomid larvae	378	0.0567
07OCT92	A	Mollusca	20233	12.2618
07OCT92	A	Polychaeta	1040	0.1655
07OCT92	B	Chironomid larvae	189	0.0180
07OCT92	B	Mollusca	378	0.6552
07OCT92	B	Nemertinea	189	0.2260
07OCT92	B	Polychaeta	31673	3.0132
07OCT92	C	Crustacea	189	0.1361
07OCT92	C	Mollusca	95	0.0019
07OCT92	C	Nemertinea	1040	0.1938
07OCT92	C	Polychaeta	9549	0.7696
07OCT92	D	Crustacea	189	0.0161
07OCT92	D	Mollusca	284	0.4604
07OCT92	D	Nemertinea	284	0.2411
07OCT92	D	Other	95	0.0066
07OCT92	D	Polychaeta	3404	0.3073
12JAN93	A	Crustacea	95	0.0009
12JAN93	A	Chironomid larvae	95	0.0539
12JAN93	A	Mollusca	40466	9.1039
12JAN93	A	Nemertinea	473	0.0321
12JAN93	A	Polychaeta	2836	0.1692
12JAN93	B	Mollusca	19477	0.9833
12JAN93	B	Nemertinea	284	0.0085
12JAN93	B	Polychaeta	10211	1.1327
12JAN93	C	Crustacea	851	0.0180
12JAN93	C	Mollusca	945	0.1844
12JAN93	C	Nemertinea	284	0.0321
12JAN93	C	Polychaeta	10495	1.0400
12JAN93	D	Mollusca	12007	1.6829
12JAN93	D	Nemertinea	378	0.0303
12JAN93	D	Other	95	0.3593
12JAN93	D	Polychaeta	8604	0.7592
05APR93	A	Chironomid larvae	95	0.0548
05APR93	A	Mollusca	44531	5.3154
05APR93	A	Nemertinea	189	0.0889
05APR93	A	Polychaeta	4444	0.7734
05APR93	B	Mollusca	24393	5.6615
05APR93	B	Nemertinea	95	0.0369
05APR93	B	Polychaeta	37346	4.0211
05APR93	C	Mollusca	28175	6.0916
05APR93	C	Nemertinea	284	0.3706
05APR93	C	Polychaeta	23542	1.6763
05APR93	D	Crustacea	378	0.0123
05APR93	D	Mollusca	9360	4.4834
05APR93	D	Nemertinea	189	0.0189
05APR93	D	Other	95	0.1220
05APR93	D	Polychaeta	13993	0.9303
09JUL93	A	Chironomid larvae	284	0.0095

09JUL93	A	Mollusca	22786	3.0123
09JUL93	A	Polychaeta	2175	0.0407
09JUL93	B	Mollusca	16735	1.9930
09JUL93	B	Polychaeta	6335	0.8878
09JUL93	C	Crustacea	95	0.0076
09JUL93	C	Mollusca	4160	1.1781
09JUL93	C	Nemertinea	95	0.1229
09JUL93	C	Polychaeta	9171	2.2162
09JUL93	D	Mollusca	284	0.0397
09JUL93	D	Polychaeta	4066	0.4321
11OCT93	A	Mollusca	6240	3.9398
11OCT93	A	Other	95	0.0019
11OCT93	A	Polychaeta	3593	0.2685
11OCT93	B	Mollusca	2458	2.3173
11OCT93	B	Nemertinea	95	0.0444
11OCT93	B	Other	95	0.0028
11OCT93	B	Polychaeta	4822	0.9426
11OCT93	C	Crustacea	1418	0.3782
11OCT93	C	Mollusca	7847	15.6768
11OCT93	C	Nemertinea	95	0.0208
11OCT93	C	Other	95	0.0189
11OCT93	C	Polychaeta	5956	0.6410
11OCT93	D	Crustacea	95	0.0009
11OCT93	D	Mollusca	567	0.0860
11OCT93	D	Nemertinea	378	0.0321
11OCT93	D	Other	95	0.0104
11OCT93	D	Polychaeta	3025	0.3309
05JAN94	A	Chironomid larvae	189	0.0482
05JAN94	A	Mollusca	3971	3.1040
05JAN94	A	Other	473	0.0028
05JAN94	A	Polychaeta	3404	1.3728
05JAN94	B	Chironomid larvae	95	0.0170
05JAN94	B	Mollusca	284	0.7015
05JAN94	B	Other	95	0.0009
05JAN94	B	Polychaeta	5862	2.1226
05JAN94	C	Crustacea	189	0.0057
05JAN94	C	Mollusca	3215	1.9458
05JAN94	C	Nemertinea	473	0.1201
05JAN94	C	Other	95	0.0009
05JAN94	C	Polychaeta	9549	0.7564
05JAN94	D	Crustacea	95	0.0246
05JAN94	D	Mollusca	662	0.1012
05JAN94	D	Nemertinea	284	0.0482
05JAN94	D	Other	189	0.0312
05JAN94	D	Polychaeta	8415	1.2149
07APR94	A	Crustacea	567	0.0284
07APR94	A	Chironomid larvae	95	0.0274
07APR94	A	Mollusca	6240	1.2423
07APR94	A	Polychaeta	20044	2.6312
07APR94	B	Crustacea	95	0.0047
07APR94	B	Mollusca	1702	0.0719
07APR94	B	Nemertinea	95	0.0009
07APR94	B	Other	95	0.0095
07APR94	B	Polychaeta	34982	3.1238
07APR94	C	Crustacea	851	0.0227
07APR94	C	Mollusca	3687	3.3290
07APR94	C	Polychaeta	15978	1.9051

07APR94	D	Crustacea	189	0.0047
07APR94	D	Mollusca	95	0.0189
07APR94	D	Nemertinea	95	0.0132
07APR94	D	Other	95	0.0019
07APR94	D	Polychaeta	10400	1.9108
07JUL94	A	Chironomid larvae	189	0.0378
07JUL94	A	Mollusca	4822	42.7417
07JUL94	A	Polychaeta	3025	0.5172
07JUL94	B	Crustacea	95	0.0255
07JUL94	B	Mollusca	1324	0.5777
07JUL94	B	Polychaeta	12197	2.7286
07JUL94	C	Crustacea	95	0.0019
07JUL94	C	Mollusca	1513	2.7267
07JUL94	C	Nemertinea	567	0.0492
07JUL94	C	Polychaeta	12197	1.1573
07JUL94	D	Crustacea	378	0.0662
07JUL94	D	Mollusca	189	0.0028
07JUL94	D	Nemertinea	1040	0.1267
07JUL94	D	Polychaeta	11913	1.5335
20OCT94	A	Crustacea	945	0.7687
20OCT94	A	Mollusca	5578	47.6345
20OCT94	A	Other	95	0.0047
20OCT94	A	Ophiuroidea	95	0.0019
20OCT94	A	Polychaeta	5627	0.3640
20OCT94	B	Mollusca	1985	1.0031
20OCT94	B	Nemertinea	189	0.0028
20OCT94	B	Polychaeta	4349	0.3772
20OCT94	C	Crustacea	284	8.5527
20OCT94	C	Mollusca	9833	20.6310
20OCT94	C	Polychaeta	9549	0.6722
20OCT94	D	Crustacea	473	0.0700
20OCT94	D	Mollusca	95	0.0113
20OCT94	D	Nemertinea	378	0.0331
20OCT94	D	Polychaeta	12386	1.8153
10JAN95	A	Mollusca	2553	53.7091
10JAN95	A	Nemertinea	95	0.0397
10JAN95	A	Polychaeta	9549	0.8462
10JAN95	B	Crustacea	189	0.0066
10JAN95	B	Mollusca	1513	0.4973
10JAN95	B	Nemertinea	189	0.0227
10JAN95	B	Polychaeta	14844	1.6924
10JAN95	C	Crustacea	2269	0.1220
10JAN95	C	Mollusca	1229	1.9477
10JAN95	C	Nemertinea	473	0.1306
10JAN95	C	Other	95	0.0217
10JAN95	C	Ophiuroidea	95	0.0076
10JAN95	C	Polychaeta	11629	1.8408
10JAN95	D	Crustacea	851	0.1352
10JAN95	D	Mollusca	378	0.1153
10JAN95	D	Nemertinea	567	0.0671
10JAN95	D	Polychaeta	10022	2.7967
05APR95	A	Mollusca	19382	63.0447
05APR95	A	Nemertinea	567	0.0993
05APR95	A	Polychaeta	20422	2.0517
05APR95	B	Crustacea	378	0.0199
05APR95	B	Mollusca	3404	1.2272
05APR95	B	Nemertinea	378	0.3999

05APR95	B	Polychaeta	72423	6.3791
05APR95	C	Crustacea	1229	0.0246
05APR95	C	Mollusca	378	0.5607
05APR95	C	Nemertinea	378	0.0425
05APR95	C	Polychaeta	16546	4.2697
05APR95	D	Crustacea	662	0.0246
05APR95	D	Mollusca	95	0.6874
05APR95	D	Nemertinea	95	0.0095
05APR95	D	Other	95	0.0038
05APR95	D	Polychaeta	8320	3.3158
06JUL95	A	Crustacea	95	0.5332
06JUL95	A	Chironomid larvae	95	0.0009
06JUL95	A	Mollusca	10116	18.2749
06JUL95	A	Polychaeta	7186	0.5049
06JUL95	B	Crustacea	95	0.0047
06JUL95	B	Mollusca	284	0.0331
06JUL95	B	Nemertinea	473	0.0340
06JUL95	B	Polychaeta	49259	3.4623
06JUL95	C	Mollusca	95	0.0019
06JUL95	C	Nemertinea	284	0.0284
06JUL95	C	Polychaeta	2364	0.3706
06JUL95	D	Crustacea	95	0.0019
06JUL95	D	Other	95	0.0340
06JUL95	D	Polychaeta	1229	1.2546
04OCT95	A	Chironomid larvae	95	0.0180
04OCT95	A	Mollusca	1324	17.5989
04OCT95	A	Nemertinea	189	0.0350
04OCT95	A	Polychaeta	6996	0.7715
04OCT95	B	Mollusca	1324	3.3176
04OCT95	B	Nemertinea	284	0.0132
04OCT95	B	Polychaeta	9455	1.1128
04OCT95	C	Crustacea	189	0.0019
04OCT95	C	Polychaeta	1513	0.0482
04OCT95	D	Crustacea	473	0.3347
04OCT95	D	Nemertinea	284	0.0624
04OCT95	D	Other	95	0.0246
04OCT95	D	Polychaeta	5767	1.2518
10JAN96	A	Crustacea	851	0.0927
10JAN96	A	Mollusca	2080	0.5871
10JAN96	A	Nemertinea	284	0.0775
10JAN96	A	Other	473	1.0022
10JAN96	A	Polychaeta	27702	1.8796
10JAN96	B	Crustacea	284	0.0038
10JAN96	B	Mollusca	567	0.1522
10JAN96	B	Nemertinea	95	0.0104
10JAN96	B	Polychaeta	10589	0.8679
10JAN96	C	Crustacea	851	0.0180
10JAN96	C	Mollusca	95	0.0028
10JAN96	C	Nemertinea	95	0.0076
10JAN96	C	Polychaeta	5767	1.1970
10JAN96	D	Crustacea	189	0.0085
10JAN96	D	Mollusca	851	0.2884
10JAN96	D	Nemertinea	284	0.0463
10JAN96	D	Polychaeta	10306	2.3542
03APR96	A	Crustacea	1040	0.2430
03APR96	A	Mollusca	8887	66.6592
03APR96	A	Nemertinea	95	0.3092

03APR96	A	Polychaeta	11913	1.9656
03APR96	B	Crustacea	1796	0.1182
03APR96	B	Mollusca	189	0.0274
03APR96	B	Other	95	0.0180
03APR96	B	Polychaeta	12007	2.3589
03APR96	C	Crustacea	662	0.0199
03APR96	C	Mollusca	95	0.3876
03APR96	C	Polychaeta	1796	0.3347
03APR96	D	Crustacea	189	0.0123
03APR96	D	Mollusca	1135	0.2004
03APR96	D	Nemertinea	95	0.0038
03APR96	D	Polychaeta	5011	2.3258
10JUL96	A	Crustacea	3971	0.1116
10JUL96	A	Mollusca	7280	35.7349
10JUL96	A	Polychaeta	19288	3.0359
10JUL96	B	Crustacea	284	0.0038
10JUL96	B	Mollusca	95	0.0009
10JUL96	B	Nemertinea	189	0.2231
10JUL96	B	Polychaeta	11346	2.9896
10JUL96	C	Crustacea	378	0.0047
10JUL96	C	Mollusca	189	0.2071
10JUL96	C	Nemertinea	189	0.1002
10JUL96	C	Polychaeta	3025	1.1232
10JUL96	D	Crustacea	189	0.0047
10JUL96	D	Mollusca	2742	0.8405
10JUL96	D	Nemertinea	95	0.0737
10JUL96	D	Other	95	0.0123
10JUL96	D	Polychaeta	3687	4.5713
15OCT96	A	Crustacea	9360	0.5881
15OCT96	A	Mollusca	3687	0.9086
15OCT96	A	Nemertinea	95	0.2477
15OCT96	A	Polychaeta	15411	4.7566
15OCT96	B	Mollusca	567	1.2858
15OCT96	B	Polychaeta	8887	1.3955
15OCT96	C	Crustacea	95	0.0009
15OCT96	C	Mollusca	378	0.0038
15OCT96	C	Ophiuroidea	95	0.0359
15OCT96	C	Polychaeta	7280	0.4926
15OCT96	D	Crustacea	378	0.0132
15OCT96	D	Hemicordata	95	0.0482
15OCT96	D	Mollusca	1229	2.2048
15OCT96	D	Nemertinea	95	0.0009
15OCT96	D	Polychaeta	3971	1.3246
22JAN97	A	Crustacea	42451	1.9098
22JAN97	A	Mollusca	1891	0.2241
22JAN97	A	Nemertinea	95	0.0463
22JAN97	A	Polychaeta	12575	0.9691
22JAN97	B	Crustacea	662	0.0170
22JAN97	B	Mollusca	284	0.0312
22JAN97	B	Nemertinea	189	0.2496
22JAN97	B	Polychaeta	10306	3.0227
22JAN97	C	Crustacea	95	0.0085
22JAN97	C	Mollusca	95	0.0019
22JAN97	C	Other	284	0.8358
22JAN97	C	Ophiuroidea	189	13.1306
22JAN97	C	Polychaeta	7753	1.3520
22JAN97	D	Crustacea	851	0.2931

22JAN97	D	Mollusca	1040	0.1513
22JAN97	D	Nemertinea	284	0.0851
22JAN97	D	Other	284	0.0104
22JAN97	D	Polychaeta	8320	9.9633
07APR97	A	Mollusca	284	0.0312
07APR97	A	Polychaeta	9738	4.8502
07APR97	B	Crustacea	3687	0.1541
07APR97	B	Mollusca	1229	0.1740
07APR97	B	Polychaeta	10495	1.4626
07APR97	C	Crustacea	95	0.0019
07APR97	C	Mollusca	756	0.3007
07APR97	C	Other	189	0.0236
07APR97	C	Polychaeta	5484	3.1626
07APR97	D	Crustacea	95	0.0057
07APR97	D	Mollusca	95	0.2099
07APR97	D	Polychaeta	5295	2.2748

Species Data

Average density (number per m^2) of macrofauna species found in a station.

Lavaca-Colorado Estuary

Date	Station	Species	nm^2
18APR88	A	Rhynchocoela (unidentified)	95
18APR88	A	Eteone heteropoda	95
18APR88	A	Glycinde solitaria	2269
18APR88	A	Streblospio benedicti	1229
18APR88	A	Cossura delta	95
18APR88	A	Capitella capitata	189
18APR88	A	Mediomastus californiensis	18150
18APR88	A	Mulinia lateralis	3309
18APR88	A	Ensis minor	473
18APR88	A	Cyclaspis varians	662
18APR88	A	Edotea montosa	95
18APR88	A	Ampelisca abdita	378
18APR88	A	Gammarus mucronatus	95
18APR88	A	Monoculodes sp.	95
18APR88	A	Phyllodocidae (unidentified)	95
18APR88	A	Nereidae (unidentified)	284
18APR88	A	Oxyurostylis smithi	567
18APR88	A	Tagelus plebeius	662
18APR88	A	Littoridina sphinctostoma	189
18APR88	A	Scolelepis squamata	189
18APR88	A	Parandalia ocularis	284
18APR88	B	Rhynchocoela (unidentified)	95
18APR88	B	Glycinde solitaria	662
18APR88	B	Streblospio benedicti	662
18APR88	B	Haploscoloplos foliosus	189
18APR88	B	Cossura delta	3309
18APR88	B	Mediomastus californiensis	10588
18APR88	B	Branchioasychis americana	95
18APR88	B	Melinna maculata	95
18APR88	B	Mulinia lateralis	1891

18APR88	B	Cyclopoid copepod (commensal)	189
18APR88	B	Cyclaspis varians	189
18APR88	B	Ampelisca abdita	95
18APR88	B	Microprotopus spp.	95
18APR88	B	Oxyurostylis smithi	189
18APR88	B	Pyramidella sp.	95
18APR88	B	Polychaete juv. (unidentified)	95
18APR88	C	Rhynchocoela (unidentified)	1323
18APR88	C	Oligochaetes (unidentified)	473
18APR88	C	Paleanotus heteroseta	95
18APR88	C	Gyptis vittata	1040
18APR88	C	Brania clavata	5010
18APR88	C	Glycinde solitaria	1134
18APR88	C	Drilonereis magna	756
18APR88	C	Polydora caulleryi	8035
18APR88	C	Streblospio benedicti	189
18APR88	C	Paraprionospio pinnata	95
18APR88	C	Tharyx setigera	95
18APR88	C	Haploscoloplos foliosus	378
18APR88	C	Cossura delta	189
18APR88	C	Mediomastus californiensis	10304
18APR88	C	Branchioasychis americana	189
18APR88	C	Axiothella mucosa	189
18APR88	C	Clymenella torquata	95
18APR88	C	Nuculana acuta	95
18APR88	C	Phoronis architecta	95
18APR88	C	Schizocardium sp.	662
18APR88	C	Acteocina canaliculata	95
18APR88	C	Nassarius acutus	95
18APR88	C	Nuculana concentrica	95
18APR88	C	Spionidae (unidentified)	567
18APR88	C	Paraonidae Grp. A	95
18APR88	C	Notomastus cf. latericeus	95
18APR88	C	Pelecypoda (unidentified)	189
18APR88	C	Sarsiella texana	95
18APR88	C	Turbellaria (unidentified)	95
18APR88	C	Oxyurostylis smithi	378
18APR88	C	Caecum johnsoni	95
18APR88	D	Anthozoa (unidentified)	284
18APR88	D	Rhynchocoela (unidentified)	662
18APR88	D	Oligochaetes (unidentified)	1702
18APR88	D	Eunoe cf. nodulosa	95
18APR88	D	Paleanotus heteroseta	95
18APR88	D	Gyptis vittata	756
18APR88	D	Brania clavata	95
18APR88	D	Glycera americana	284
18APR88	D	Glycinde solitaria	756
18APR88	D	Diopatra cuprea	189
18APR88	D	Drilonereis magna	95
18APR88	D	Polydora caulleryi	945
18APR88	D	Polydora sp.	95
18APR88	D	Paraprionospio pinnata	95
18APR88	D	Haploscoloplos foliosus	189
18APR88	D	Cossura delta	1229
18APR88	D	Mediomastus californiensis	15693
18APR88	D	Notomastus latericeus	95
18APR88	D	Axiothella mucosa	95

18APR88	D	Corbula contracta	1040
18APR88	D	Phoronis architecta	95
18APR88	D	Spionidae (unidentified)	3498
18APR88	D	Paraonidae Grp. B	378
18APR88	D	Notomastus cf. latericeus	95
18APR88	D	Terebellidae (unidentified)	95
18APR88	D	Ophiuroidea (unidentified)	662
18APR88	D	Pelecypoda (unidentified)	3214
18APR88	D	Armandia maculata	95
18APR88	D	Oxyurostylis smithi	95
18APR88	D	Apseudes sp. A	67308
18APR88	D	Periploma cf. orbiculare	945
18APR88	D	Polychaete juv. (unidentified)	284
18APR88	D	Caecum johnsoni	95
19JUL88	A	Glycinde solitaria	95
19JUL88	A	Diopatra cuprea	95
19JUL88	A	Streblospio benedicti	1040
19JUL88	A	Paraprionospio pinnata	95
19JUL88	A	Cossura delta	378
19JUL88	A	Mediomastus californiensis	5294
19JUL88	A	Mulinia lateralis	95
19JUL88	A	Ampelisca abdita	284
19JUL88	A	Acteocina canaliculata	95
19JUL88	A	Mysidopsis bahia	189
19JUL88	A	Macoma mitchelli	95
19JUL88	A	Pyramidella sp.	189
19JUL88	A	No species observed	0
19JUL88	B	Rhynchocoela (unidentified)	189
19JUL88	B	Gyptis vittata	95
19JUL88	B	Glycinde solitaria	473
19JUL88	B	Streblospio benedicti	95
19JUL88	B	Paraprionospio pinnata	284
19JUL88	B	Cossura delta	284
19JUL88	B	Mediomastus californiensis	8035
19JUL88	B	Axiothella mucosa	189
19JUL88	B	Odostomia sp.	189
19JUL88	B	Mulinia lateralis	378
19JUL88	B	Cyclaspis varians	95
19JUL88	B	Ampelisca abdita	284
19JUL88	B	Pelecypoda (unidentified)	189
19JUL88	B	Leucon sp.	189
19JUL88	B	Macoma mitchelli	95
19JUL88	B	Pyramidella sp.	189
19JUL88	C	Rhynchocoela (unidentified)	567
19JUL88	C	Oligochaetes (unidentified)	284
19JUL88	C	Gyptis vittata	284
19JUL88	C	Glycinde solitaria	189
19JUL88	C	Drilonereis magna	189
19JUL88	C	Polydora caulleryi	5956
19JUL88	C	Paraprionospio pinnata	189
19JUL88	C	Minuspio cirrifera	284
19JUL88	C	Spiochaetopterus costarum	95
19JUL88	C	Tharyx setigera	473
19JUL88	C	Cossura delta	284
19JUL88	C	Mediomastus californiensis	6239
19JUL88	C	Branchioasychis americana	473
19JUL88	C	Axiothella mucosa	189

19JUL88	C	Monoculodes sp.	95
19JUL88	C	Schizocardium sp.	756
19JUL88	C	Pyrgiscus sp.	95
19JUL88	C	Syllidae (unidentified)	662
19JUL88	C	Paraonidae Grp. B	284
19JUL88	C	Ophiuroidea (unidentified)	95
19JUL88	C	Pelecypoda (unidentified)	95
19JUL88	C	Turbellaria (unidentified)	95
19JUL88	C	Periploma cf. orbiculare	95
19JUL88	D	Anthozoa (unidentified)	95
19JUL88	D	Rhynchocoela (unidentified)	1796
19JUL88	D	Oligochaetes (unidentified)	2458
19JUL88	D	Eunoe cf. nodulosa	284
19JUL88	D	Paleanotus heteroseta	567
19JUL88	D	Sigambra tentaculata	189
19JUL88	D	Gyptis vittata	378
19JUL88	D	Glycinde solitaria	95
19JUL88	D	Polydora caulleryi	1229
19JUL88	D	Cossura delta	473
19JUL88	D	Mediomastus californiensis	3876
19JUL88	D	Notomastus latericeus	189
19JUL88	D	Dentalium texasianum	95
19JUL88	D	Abra aequalis	95
19JUL88	D	Ampelisca sp. B	95
19JUL88	D	Phascolion strombi	95
19JUL88	D	Schizocardium sp.	95
19JUL88	D	Listriella barnardi	95
19JUL88	D	Nuculana concentrica	95
19JUL88	D	Pyrgiscus sp.	95
19JUL88	D	Syllidae (unidentified)	95
19JUL88	D	Spionidae (unidentified)	1323
19JUL88	D	Paraonidae Grp. A	189
19JUL88	D	Paraonidae Grp. B	473
19JUL88	D	Ophiuroidea (unidentified)	473
19JUL88	D	Pelecypoda (unidentified)	284
19JUL88	D	Armandia maculata	189
19JUL88	D	Megalops	95
19JUL88	D	Turbellaria (unidentified)	95
19JUL88	D	Apseudes sp. A	8981
19JUL88	D	Periploma cf. orbiculare	756
19JUL88	D	Caecum johnsoni	95
19JUL88	D	Pinnixa chacei	378
22NOV88	A	Rhynchocoela (unidentified)	189
22NOV88	A	Gyptis vittata	95
22NOV88	A	Glycinde solitaria	284
22NOV88	A	Streblospio benedicti	473
22NOV88	A	Paraprionospio pinnata	95
22NOV88	A	Spiochaetopterus costarum	95
22NOV88	A	Haploscoloplos foliosus	567
22NOV88	A	Cossura delta	851
22NOV88	A	Mediomastus californiensis	5672
22NOV88	A	Heteromastus filiformis	189
22NOV88	A	Edotea montosa	95
22NOV88	A	Ampelisca abdita	189
22NOV88	A	Pelecypoda (unidentified)	95
22NOV88	A	Gastropoda (unidentified)	95
22NOV88	A	Hemicyclops sp.	95

22NOV88	A	Parandalia ocularis	95
22NOV88	B	Rhynchocoela (unidentified)	95
22NOV88	B	Streblospio benedicti	5767
22NOV88	B	Paraprionospio pinnata	378
22NOV88	B	Cossura delta	473
22NOV88	B	Mediomastus californiensis	1323
22NOV88	B	Maldanidae (unidentified)	95
22NOV88	B	Ampelisca abdita	189
22NOV88	B	Gastropoda (unidentified)	95
22NOV88	B	Leucon sp.	95
22NOV88	C	Rhynchocoela (unidentified)	189
22NOV88	C	Gyptis vittata	851
22NOV88	C	Glycinde solitaria	284
22NOV88	C	Drilonereis magna	378
22NOV88	C	Polydora ligni	95
22NOV88	C	Polydora caulleryi	567
22NOV88	C	Paraprionospio pinnata	189
22NOV88	C	Minuspio cirrifera	95
22NOV88	C	Spiochaetopterus costarum	95
22NOV88	C	Tharyx setigera	851
22NOV88	C	Cossura delta	378
22NOV88	C	Mediomastus californiensis	6239
22NOV88	C	Branchioasychis americana	567
22NOV88	C	Clymenella torquata	95
22NOV88	C	Maldanidae (unidentified)	1040
22NOV88	C	Monoculodes sp.	95
22NOV88	C	Schizocardium sp.	284
22NOV88	C	Listriella barnardi	284
22NOV88	C	Pyrgiscus sp.	95
22NOV88	C	Paraonidae Grp. A	95
22NOV88	C	Paraonidae Grp. B	1323
22NOV88	C	Capitellidae (unidentified)	95
22NOV88	C	Pelecypoda (unidentified)	95
22NOV88	C	Parandalia ocularis	95
22NOV88	D	Rhynchocoela (unidentified)	567
22NOV88	D	Oligochaetes (unidentified)	567
22NOV88	D	Gyptis vittata	378
22NOV88	D	Glycinde solitaria	95
22NOV88	D	Diopatra cuprea	284
22NOV88	D	Drilonereis magna	189
22NOV88	D	Polydora caulleryi	378
22NOV88	D	Paraprionospio pinnata	378
22NOV88	D	Minuspio cirrifera	3120
22NOV88	D	Tharyx setigera	95
22NOV88	D	Haploscoloplos foliosus	851
22NOV88	D	Cossura delta	284
22NOV88	D	Mediomastus californiensis	4821
22NOV88	D	Maldanidae (unidentified)	378
22NOV88	D	Nuculana acuta	567
22NOV88	D	Macoma tenta	95
22NOV88	D	Tellina sp.	95
22NOV88	D	Corbula contracta	1702
22NOV88	D	Phoronis architecta	95
22NOV88	D	Listriella barnardi	189
22NOV88	D	Mercenaria campechiensis	95
22NOV88	D	Nereidae (unidentified)	189
22NOV88	D	Paraonidae Grp. B	378

22NOV88	D	Terebellidae (unidentified)	189
22NOV88	D	Ophiuroidea (unidentified)	1040
22NOV88	D	Pelecypoda (unidentified)	1513
22NOV88	D	Armandia maculata	284
22NOV88	D	Sphaerosyllis sp. A	473
22NOV88	D	Turbellaria (unidentified)	95
22NOV88	D	Apseudes sp. A	19852
22NOV88	D	Periploma cf. orbiculare	1040
22NOV88	D	Polychaete juv. (unidentified)	378
22NOV88	D	Pinnixa chacei	284
22NOV88	D	Ancistrosyllis cf. falcata	95
05APR89	A	Anaitides erythrophyllus	95
05APR89	A	Gyptis vittata	95
05APR89	A	Diopatra cuprea	95
05APR89	A	Streblospio benedicti	378
05APR89	A	Paraprionospio pinnata	95
05APR89	A	Spiochaetopterus costarum	95
05APR89	A	Haploscoloplos foliosus	189
05APR89	A	Cossura delta	284
05APR89	A	Mediomastus californiensis	4065
05APR89	A	Clymenella torquata	95
05APR89	A	Mysella planulata	378
05APR89	A	Mulinia lateralis	4538
05APR89	A	Ensis minor	756
05APR89	A	Cyclopoid copepod (commensal)	1040
05APR89	A	Cyclaspis varians	378
05APR89	A	Edotea montosa	95
05APR89	A	Ampelisca abdita	12384
05APR89	A	Caprellidae sp.	95
05APR89	A	Monoculodes sp.	189
05APR89	A	Acteocina canaliculata	189
05APR89	A	Glyceridae (unidentified)	473
05APR89	A	Turbellaria (unidentified)	95
05APR89	A	Oxyurostylis smithi	378
05APR89	A	Tagelus plebeius	95
05APR89	A	Pyramidella sp.	95
05APR89	A	Parandalia ocularis	95
05APR89	B	Gyptis vittata	95
05APR89	B	Glycinde solitaria	95
05APR89	B	Diopatra cuprea	189
05APR89	B	Streblospio benedicti	189
05APR89	B	Paraprionospio pinnata	378
05APR89	B	Haploscoloplos foliosus	662
05APR89	B	Cossura delta	378
05APR89	B	Mediomastus californiensis	6712
05APR89	B	Axiothella mucosa	95
05APR89	B	Maldanidae (unidentified)	95
05APR89	B	Mysella planulata	95
05APR89	B	Mulinia lateralis	945
05APR89	B	Cyclopoid copepod (commensal)	95
05APR89	B	Ampelisca abdita	95
05APR89	B	Ogyrides limicola	95
05APR89	B	Schizocardium sp.	95
05APR89	B	Acteocina canaliculata	378
05APR89	B	Nuculana concentrica	189
05APR89	B	Pandora trilineata	95
05APR89	B	Glyceridae (unidentified)	95

05APR89	B	Leucon sp.	95
05APR89	B	Macoma mitchelli	378
05APR89	B	Turbellaria (unidentified)	95
05APR89	C	Rhynchocoela (unidentified)	378
05APR89	C	Oligochaetes (unidentified)	95
05APR89	C	Gyptis vittata	189
05APR89	C	Ceratonereis irritabilis	95
05APR89	C	Glycinde solitaria	284
05APR89	C	Drilonereis magna	378
05APR89	C	Streblospio benedicti	189
05APR89	C	Paraprionospio pinnata	284
05APR89	C	Minuspio cirrifera	95
05APR89	C	Tharyx setigera	378
05APR89	C	Mediomastus californiensis	4065
05APR89	C	Branchioasychis americana	95
05APR89	C	Axiothella mucosa	662
05APR89	C	Mulinia lateralis	95
05APR89	C	Pyrgiscus sp.	95
05APR89	C	Paraonidae Grp. A	189
05APR89	C	Callinectes similis	95
05APR89	C	Macoma mitchelli	95
05APR89	C	Oxyurostylis smithi	95
05APR89	C	Pyramidella sp.	95
05APR89	C	Polychaete juv. (unidentified)	95
05APR89	C	Sphaerosyllis erinaceus	95
05APR89	C	Pinnixa chacei	95
05APR89	D	Anthozoa (unidentified)	95
05APR89	D	Rhynchocoela (unidentified)	1134
05APR89	D	Oligochaetes (unidentified)	95
05APR89	D	Paleanotus heteroseta	756
05APR89	D	Sigambra tentaculata	189
05APR89	D	Gyptis vittata	189
05APR89	D	Glycinde solitaria	95
05APR89	D	Drilonereis magna	473
05APR89	D	Polydora caulleryi	662
05APR89	D	Paraprionospio pinnata	95
05APR89	D	Minuspio cirrifera	1702
05APR89	D	Haploscoloplos foliosus	95
05APR89	D	Cossura delta	284
05APR89	D	Mediomastus californiensis	9359
05APR89	D	Branchioasychis americana	95
05APR89	D	Melinna maculata	95
05APR89	D	Nassarius vibex	189
05APR89	D	Mysella planulata	95
05APR89	D	Mulinia lateralis	95
05APR89	D	Macoma tenta	95
05APR89	D	Tellina texana	95
05APR89	D	Abra aequalis	189
05APR89	D	Corbula contracta	2931
05APR89	D	Pseudodiaptomus coronatus	189
05APR89	D	Ampelisca sp. B	378
05APR89	D	Phascolion strombi	473
05APR89	D	Listriella barnardi	95
05APR89	D	Acteocina canaliculata	189
05APR89	D	Nuculana concentrica	284
05APR89	D	Anadara ovalis	95
05APR89	D	Sphaerosyllis cf. sublaevis	95

05APR89	D	Nereidae (unidentified)	95
05APR89	D	Paraonidae Grp. B	378
05APR89	D	Notomastus cf. latericeus	189
05APR89	D	Terebellidae (unidentified)	95
05APR89	D	Ophiuroidea (unidentified)	662
05APR89	D	Pelecypoda (unidentified)	95
05APR89	D	Sphaerosyllis sp. A	567
05APR89	D	Amphipoda (unidentified)	95
05APR89	D	Apseudes sp. A	3970
05APR89	D	Periploma cf. orbiculare	2552
05APR89	D	Polychaete juv. (unidentified)	95
05APR89	D	Sphaerosyllis erinaceus	95
22JUL89	A	Glycinde solitaria	378
22JUL89	A	Diopatra cuprea	95
22JUL89	A	Streblospio benedicti	1229
22JUL89	A	Paraprionospio pinnata	189
22JUL89	A	Cossura delta	284
22JUL89	A	Mediomastus californiensis	3403
22JUL89	A	Axiothella mucosa	95
22JUL89	A	Melinna maculata	95
22JUL89	A	Odostomia sp.	284
22JUL89	A	Mulinia lateralis	662
22JUL89	A	Ampelisca abdita	95
22JUL89	A	Acteocina canaliculata	473
22JUL89	A	Nassarius acutus	95
22JUL89	A	Pelecypoda (unidentified)	189
22JUL89	A	Microprotopus spp.	284
22JUL89	A	Macoma mitchelli	95
22JUL89	A	Parandalia ocularis	95
22JUL89	B	Rhynchocoela (unidentified)	189
22JUL89	B	Glycinde solitaria	95
22JUL89	B	Streblospio benedicti	2080
22JUL89	B	Paraprionospio pinnata	284
22JUL89	B	Spiochaetopterus costarum	95
22JUL89	B	Cossura delta	567
22JUL89	B	Mediomastus californiensis	2552
22JUL89	B	Mulinia lateralis	95
22JUL89	B	Pseudodiaptomus coronatus	189
22JUL89	B	Cyclaspis varians	851
22JUL89	B	Ampelisca abdita	189
22JUL89	B	Monoculodes sp.	189
22JUL89	B	Nassarius acutus	284
22JUL89	B	Pandora trilineata	95
22JUL89	B	Pelecypoda (unidentified)	95
22JUL89	B	Microprotopus spp.	95
22JUL89	B	Leucon sp.	284
22JUL89	B	Mysidopsis bahia	95
22JUL89	B	Pyramidella sp.	95
22JUL89	B	Oxyurostylis sp.	95
22JUL89	C	Rhynchocoela (unidentified)	189
22JUL89	C	Gyptis vittata	95
22JUL89	C	Glycinde solitaria	378
22JUL89	C	Paraprionospio pinnata	95
22JUL89	C	Tharyx setigera	95
22JUL89	C	Cossura delta	189
22JUL89	C	Mediomastus californiensis	2552
22JUL89	C	Branchioasychis americana	95

22JUL89	C	Megalomma bioculatum	95
22JUL89	C	Pseudodiaptomus coronatus	95
22JUL89	C	Ogyrides limicola	95
22JUL89	C	Listriella barnardi	189
22JUL89	C	Acteocina canaliculata	95
22JUL89	C	Nassarius acutus	95
22JUL89	C	Paraonidae Grp. B	95
22JUL89	C	Ophiuroidea (unidentified)	95
22JUL89	C	Mysidopsis sp.	95
22JUL89	C	Mysidopsis bahia	189
22JUL89	D	Rhynchocoela (unidentified)	945
22JUL89	D	Paleanotus heteroseta	662
22JUL89	D	Sigambra tentaculata	95
22JUL89	D	Aglaophamus verrilli	95
22JUL89	D	Drilonereis magna	95
22JUL89	D	Polydora caulleryi	95
22JUL89	D	Paraprionospio pinnata	284
22JUL89	D	Cossura delta	378
22JUL89	D	Mediomastus californiensis	3781
22JUL89	D	Branchioasychis americana	95
22JUL89	D	Clymenella torquata	95
22JUL89	D	Maldanidae (unidentified)	95
22JUL89	D	Dentalium texasianum	95
22JUL89	D	Nuculana acuta	95
22JUL89	D	Corbula contracta	2174
22JUL89	D	Nassarius acutus	284
22JUL89	D	Sigalionidae (unidentified)	284
22JUL89	D	Spionidae (unidentified)	1134
22JUL89	D	Paraonidae Grp. A	95
22JUL89	D	Paraonidae Grp. B	284
22JUL89	D	Capitellidae (unidentified)	95
22JUL89	D	Notomastus cf. latericeus	284
22JUL89	D	Terebellidae (unidentified)	95
22JUL89	D	Ophiuroidea (unidentified)	756
22JUL89	D	Pelecypoda (unidentified)	95
22JUL89	D	Sipuncula (unidentified)	95
22JUL89	D	Sphaerosyllis sp. A	189
22JUL89	D	Turbellaria (unidentified)	95
22JUL89	D	Apseudes sp. A	5294
22JUL89	D	Periploma cf. orbiculare	4538
22JUL89	D	Caecum johnsoni	95
22JUL89	D	Pinnixa chacei	95
22JUL89	D	Brada cf. villosa capensis	95
05DEC89	A	Streblospio benedicti	1324
05DEC89	A	Paraprionospio pinnata	95
05DEC89	A	Spiochaetopterus costarum	95
05DEC89	A	Haploscoloplos foliosus	95
05DEC89	A	Cossura delta	284
05DEC89	A	Mediomastus californiensis	95
05DEC89	A	Axiothella mucosa	189
05DEC89	A	Asychis sp.	95
05DEC89	A	Mulinia lateralis	284
05DEC89	A	Tellina sp.	567
05DEC89	A	Ampelisca abdita	95
05DEC89	A	Listriella barnardi	95
05DEC89	A	Acteocina canaliculata	378
05DEC89	A	Nuculana concentrica	95

05DEC89	A	Nereidae (unidentified)	95
05DEC89	A	Sarsiella texana	95
05DEC89	A	Pyramidella crenulata	189
05DEC89	A	Leucon sp.	284
05DEC89	A	Parandalia ocularis	95
05DEC89	A	Mediomastus ambiseta	3120
05DEC89	B	Anthozoa (unidentified)	189
05DEC89	B	Rhynchocoela (unidentified)	95
05DEC89	B	Gyptis vittata	95
05DEC89	B	Streblospio benedicti	1796
05DEC89	B	Paraprionospio pinnata	284
05DEC89	B	Cossura delta	378
05DEC89	B	Mediomastus californiensis	1702
05DEC89	B	Maldanidae (unidentified)	567
05DEC89	B	Mulinia lateralis	95
05DEC89	B	Tellina sp.	189
05DEC89	B	Phoronis architecta	473
05DEC89	B	Nassarius acutus	95
05DEC89	B	Pyramidella crenulata	284
05DEC89	B	Leucon sp.	95
05DEC89	B	Mediomastus ambiseta	3120
05DEC89	C	Anthozoa (unidentified)	95
05DEC89	C	Rhynchocoela (unidentified)	284
05DEC89	C	Oligochaetes (unidentified)	95
05DEC89	C	Gyptis vittata	662
05DEC89	C	Drilonereis magna	945
05DEC89	C	Polydora caulleryi	378
05DEC89	C	Minuspio cirrifera	284
05DEC89	C	Magelona pettiboneae	189
05DEC89	C	Spiochaetopterus costarum	851
05DEC89	C	Tharyx setigera	2458
05DEC89	C	Cossura delta	473
05DEC89	C	Mediomastus californiensis	5011
05DEC89	C	Branchioasychis americana	189
05DEC89	C	Asychis sp.	378
05DEC89	C	Maldanidae (unidentified)	756
05DEC89	C	Ampelisca abdita	95
05DEC89	C	Caprellidae sp.	95
05DEC89	C	Photis sp.	189
05DEC89	C	Ampelisca sp. B	95
05DEC89	C	Phascolion strombi	95
05DEC89	C	Listriella barnardi	95
05DEC89	C	Pyrgiscus sp.	95
05DEC89	C	Sigalionidae (unidentified)	189
05DEC89	C	Pilargiidae (unidentified)	95
05DEC89	C	Paraonidae Grp. A	567
05DEC89	C	Paraonidae Grp. B	284
05DEC89	C	Ophiuroidea (unidentified)	567
05DEC89	C	Sphaerosyllis sp. A	95
05DEC89	C	Mysidopsis bahia	95
05DEC89	C	Apseudes sp. A	95
05DEC89	C	Periploma cf. orbiculare	756
05DEC89	C	Pinnixa chacei	95
05DEC89	C	Oxyurostylis sp.	189
05DEC89	C	Mediomastus ambiseta	662
05DEC89	C	Eudorella sp.	95
05DEC89	D	Anthozoa (unidentified)	95

05DEC89	D	Rhynchocoela (unidentified)	378
05DEC89	D	Oligochaetes (unidentified)	284
05DEC89	D	Paleanotus heteroseta	662
05DEC89	D	Ancistrosyllis papillosa	95
05DEC89	D	Sigambra tentaculata	95
05DEC89	D	Gyptis vittata	284
05DEC89	D	Podarke obscura	189
05DEC89	D	Drilonereis magna	95
05DEC89	D	Polydora caulleryi	189
05DEC89	D	Polydora sp.	189
05DEC89	D	Paraprionospio pinnata	95
05DEC89	D	Minuspio cirrifera	2364
05DEC89	D	Magelona phyllisae	95
05DEC89	D	Mediomastus californiensis	2647
05DEC89	D	Notomastus latericeus	95
05DEC89	D	Maldanidae (unidentified)	95
05DEC89	D	Mysella planulata	95
05DEC89	D	Corbula contracta	851
05DEC89	D	Schizocardium sp.	662
05DEC89	D	Listriella barnardi	95
05DEC89	D	Nassarius acutus	95
05DEC89	D	Sigalionidae (unidentified)	95
05DEC89	D	Pilargiidae (unidentified)	95
05DEC89	D	Nereidae (unidentified)	95
05DEC89	D	Paraonidae Grp. B	189
05DEC89	D	Ophiuroidea (unidentified)	756
05DEC89	D	Pelecypoda (unidentified)	284
05DEC89	D	Hiatella arctica	1418
05DEC89	D	Turbellaria (unidentified)	95
05DEC89	D	Apseudes sp. A	473
05DEC89	D	Periploma cf. orbiculare	2269
05DEC89	D	Pinnixa chacei	473
05DEC89	D	Naineris sp. A	1324
05DEC89	D	Amaenana trilobata	95
10APR90	A	Glycinde solitaria	851
10APR90	A	Diopatra cuprea	95
10APR90	A	Polydora ligni	567
10APR90	A	Streblospio benedicti	1229
10APR90	A	Paraprionospio pinnata	189
10APR90	A	Spiochaetopterus costarum	95
10APR90	A	Cossura delta	189
10APR90	A	Heteromastus filiformis	945
10APR90	A	Branchioasychis americana	95
10APR90	A	Axiothella mucosa	189
10APR90	A	Clymenella torquata	95
10APR90	A	Melinna maculata	95
10APR90	A	Mulinia lateralis	95
10APR90	A	Ensis minor	95
10APR90	A	Pseudodiaptomus coronatus	95
10APR90	A	Ampelisca abdita	2647
10APR90	A	Acteocina canaliculata	473
10APR90	A	Nassarius acutus	284
10APR90	A	Nuculana concentrica	189
10APR90	A	Pelecypoda (unidentified)	189
10APR90	A	Sarsiella texana	95
10APR90	A	Sphaerosyllis sp. A	284
10APR90	A	Leucon sp.	95

10APR90	A	Macoma mitchelli	284
10APR90	A	Parandalia ocularis	95
10APR90	A	Mediomastus ambiseta	5011
10APR90	B	Glycera americana	95
10APR90	B	Glycinde solitaria	473
10APR90	B	Diopatra cuprea	189
10APR90	B	Streblospio benedicti	756
10APR90	B	Paraprionospio pinnata	189
10APR90	B	Scolelepis texana	95
10APR90	B	Spiochaetopterus costarum	95
10APR90	B	Haploscoloplos foliosus	378
10APR90	B	Cossura delta	473
10APR90	B	Heteromastus filiformis	378
10APR90	B	Axiothella mucosa	473
10APR90	B	Melinna maculata	284
10APR90	B	Megalomma bioculatum	95
10APR90	B	Mysella planulata	189
10APR90	B	Mulinia lateralis	95
10APR90	B	Ampelisca abdita	473
10APR90	B	Phoronis architecta	284
10APR90	B	Acteocina canaliculata	945
10APR90	B	Nuculana concentrica	378
10APR90	B	Sphaerosyllis sp. A	189
10APR90	B	Leucon sp.	567
10APR90	B	Mysidopsis sp.	189
10APR90	B	Macoma mitchelli	95
10APR90	B	Mediomastus ambiseta	4916
10APR90	B	Eudorella sp.	284
10APR90	C	Rhynchocoela (unidentified)	662
10APR90	C	Gyptis vittata	567
10APR90	C	Glycera americana	284
10APR90	C	Drilonereis magna	3971
10APR90	C	Polydora socialis	378
10APR90	C	Polydora caulleryi	284
10APR90	C	Minuspio cirrifera	189
10APR90	C	Magelona pettiboneae	95
10APR90	C	Spiochaetopterus costarum	1135
10APR90	C	Tharyx setigera	756
10APR90	C	Cossura delta	851
10APR90	C	Mediomastus californiensis	5767
10APR90	C	Branchioasychis americana	473
10APR90	C	Axiothella mucosa	662
10APR90	C	Asychis sp.	378
10APR90	C	Melinna maculata	189
10APR90	C	Pista palmata	95
10APR90	C	Aligena texasiana	95
10APR90	C	Pseudodiaptomus coronatus	189
10APR90	C	Mysidopsis bigelowi	662
10APR90	C	Oxyurostylis salinoi	1513
10APR90	C	Ampelisca abdita	378
10APR90	C	Ampelisca verrilli	95
10APR90	C	Monoculodes sp.	95
10APR90	C	Schizocardium sp.	95
10APR90	C	Nuculana concentrica	378
10APR90	C	Pyrgiscus sp.	189
10APR90	C	Paraonidae Grp. A	473
10APR90	C	Paraonidae Grp. B	945

10APR90	C	Ophiuroidea (unidentified)	95
10APR90	C	Sarsiella texana	95
10APR90	C	Leucon sp.	95
10APR90	C	Periploma cf. orbiculare	567
10APR90	C	Naineris sp. A	95
10APR90	C	Amaenana trilobata	95
10APR90	C	Eudorella sp.	95
10APR90	D	Anthozoa (unidentified)	284
10APR90	D	Rhynchocoela (unidentified)	851
10APR90	D	Oligochaetes (unidentified)	473
10APR90	D	Paleanotus heteroseta	756
10APR90	D	Eteone heteropoda	95
10APR90	D	Ancistrosyllis papillosa	95
10APR90	D	Gyptis vittata	95
10APR90	D	Diopatra cuprea	95
10APR90	D	Drilonereis magna	95
10APR90	D	Schistomeringos rudolphi	189
10APR90	D	Polydora socialis	95
10APR90	D	Polydora caulleryi	95
10APR90	D	Paraprionospio pinnata	189
10APR90	D	Minuspio cirrifera	2269
10APR90	D	Spiochaetopterus costarum	189
10APR90	D	Cossura delta	284
10APR90	D	Mediomastus californiensis	3404
10APR90	D	Branchioasychis americana	95
10APR90	D	Axiothella mucosa	95
10APR90	D	Crepidula fornicata	284
10APR90	D	Mulinia lateralis	95
10APR90	D	Abra aequalis	567
10APR90	D	Corbula contracta	1985
10APR90	D	Pseudodiaptomus coronatus	95
10APR90	D	Pagurus annulipes	284
10APR90	D	Schizocardium sp.	1135
10APR90	D	Nuculana concentrica	95
10APR90	D	Erichthonias brasiliensis	378
10APR90	D	Polynoidae (unidentified)	95
10APR90	D	Sigalionidae (unidentified)	95
10APR90	D	Nereidae (unidentified)	378
10APR90	D	Paraonidae Grp. B	662
10APR90	D	Pinnotheridae (unidentified)	95
10APR90	D	Ophiuroidea (unidentified)	473
10APR90	D	Pelecypoda (unidentified)	473
10APR90	D	Pinnixa sp.	95
10APR90	D	Sphaerosyllis sp. A	473
10APR90	D	Mysidopsis sp.	95
10APR90	D	Apseudes sp. A	2269
10APR90	D	Periploma cf. orbiculare	2931
10APR90	D	Sarsiella spinosa	95
10APR90	D	Oxyurostylis sp.	95
10APR90	D	Naineris sp. A	756
10APR90	D	Mediomastus ambiseta	1229
10APR90	D	Amaenana trilobata	284
31JUL90	A	Rhynchocoela (unidentified)	95
31JUL90	A	Glycinde solitaria	95
31JUL90	A	Streblospio benedicti	2364
31JUL90	A	Paraprionospio pinnata	95
31JUL90	A	Spiochaetopterus costarum	95

31JUL90	A	Cossura delta	284
31JUL90	A	Axiothella mucosa	95
31JUL90	A	Mulinia lateralis	95
31JUL90	A	Edotea montosa	95
31JUL90	A	Pyramidella crenulata	95
31JUL90	A	Leucon sp.	378
31JUL90	A	Laeonereis culveri	95
31JUL90	A	Turbellaria (unidentified)	95
31JUL90	A	Mediomastus ambiseta	378
31JUL90	A	No species observed	0
31JUL90	B	Rhynchocoela (unidentified)	189
31JUL90	B	Streblospio benedicti	1607
31JUL90	B	Paraprionospio pinnata	189
31JUL90	B	Cossura delta	567
31JUL90	B	Mediomastus californiensis	662
31JUL90	B	Branchioasychis americana	95
31JUL90	B	Mulinia lateralis	95
31JUL90	B	Ampelisca abdita	189
31JUL90	B	Listriella barnardi	95
31JUL90	B	Nassarius acutus	95
31JUL90	B	Pyrgiscus sp.	189
31JUL90	B	Laeonereis culveri	95
31JUL90	B	Mediomastus ambiseta	189
31JUL90	B	Eudorella sp.	189
31JUL90	C	Rhynchocoela (unidentified)	756
31JUL90	C	Gyptis vittata	95
31JUL90	C	Glycera americana	95
31JUL90	C	Glycinde solitaria	95
31JUL90	C	Drilonereis magna	2364
31JUL90	C	Polydora socialis	95
31JUL90	C	Polydora caulleryi	2836
31JUL90	C	Streblospio benedicti	189
31JUL90	C	Minuspio cirrifera	756
31JUL90	C	Tharyx setigera	6335
31JUL90	C	Cossura delta	95
31JUL90	C	Mediomastus californiensis	756
31JUL90	C	Notomastus latericeus	95
31JUL90	C	Axiothella mucosa	567
31JUL90	C	Clymenella torquata	284
31JUL90	C	Asychis sp.	473
31JUL90	C	Owenia fusiformis	95
31JUL90	C	Melinna maculata	473
31JUL90	C	Sabella microphthalma	189
31JUL90	C	Ampelisca abdita	95
31JUL90	C	Listriella clymenellae	95
31JUL90	C	Phoronis architecta	95
31JUL90	C	Schizocardium sp.	95
31JUL90	C	Pyrgiscus sp.	95
31JUL90	C	Ancistrosyllis groenlandica	95
31JUL90	C	Amphilochus sp.	95
31JUL90	C	Nereidae (unidentified)	95
31JUL90	C	Paraonidae Grp. B	1229
31JUL90	C	Sabellidae (unidentified)	95
31JUL90	C	Ophiuroidea (unidentified)	284
31JUL90	C	Pyramidella crenulata	189
31JUL90	C	Sphaerosyllis sp. A	95
31JUL90	C	Turbellaria (unidentified)	189

31JUL90	C	Caecum johnsoni	95
31JUL90	C	Mediomastus ambiseta	2647
31JUL90	C	Eupomatus protulicola	95
31JUL90	D	Rhynchocoela (unidentified)	662
31JUL90	D	Oligochaetes (unidentified)	2175
31JUL90	D	Paleanotus heteroseta	189
31JUL90	D	Gyptis vittata	189
31JUL90	D	Glycinde solitaria	95
31JUL90	D	Drilonereis magna	189
31JUL90	D	Streblospio benedicti	95
31JUL90	D	Paraprionospio pinnata	284
31JUL90	D	Minuspio cirrifera	1418
31JUL90	D	Cossura delta	567
31JUL90	D	Mediomastus californiensis	284
31JUL90	D	Abra aequalis	95
31JUL90	D	Corbula contracta	189
31JUL90	D	Ancistrosyllis groenlandica	95
31JUL90	D	Nereidae (unidentified)	95
31JUL90	D	Paraonidae Grp. A	95
31JUL90	D	Paraonidae Grp. B	1418
31JUL90	D	Ophiuroidea (unidentified)	284
31JUL90	D	Hiatella arctica	95
31JUL90	D	Apseudes sp. A	95
31JUL90	D	Periploma cf. orbiculare	1229
31JUL90	D	Caecum johnsoni	95
31JUL90	D	Pinnixa chacei	95
31JUL90	D	Naineris sp. A	95
31JUL90	D	Mediomastus ambiseta	2553
23OCT90	A	Streblospio benedicti	2175
23OCT90	A	Leucon sp.	95
23OCT90	B	Rhynchocoela (unidentified)	95
23OCT90	B	Drilonereis magna	95
23OCT90	B	Streblospio benedicti	7564
23OCT90	B	Paraprionospio pinnata	284
23OCT90	B	Spiochaetopterus costarum	189
23OCT90	B	Cossura delta	189
23OCT90	B	Pseudodiaptomus coronatus	189
23OCT90	B	Mysidopsis sp.	95
23OCT90	B	Mediomastus ambiseta	1702
23OCT90	C	Anthozoa (unidentified)	95
23OCT90	C	Rhynchocoela (unidentified)	473
23OCT90	C	Paleanotus heteroseta	567
23OCT90	C	Ancistrosyllis papillosa	95
23OCT90	C	Gyptis vittata	945
23OCT90	C	Glycinde solitaria	95
23OCT90	C	Diopatra cuprea	473
23OCT90	C	Drilonereis magna	1418
23OCT90	C	Schistomeringos rudolphi	95
23OCT90	C	Polydora socialis	851
23OCT90	C	Polydora caulleryi	6618
23OCT90	C	Streblospio benedicti	2080
23OCT90	C	Paraprionospio pinnata	567
23OCT90	C	Apoprionospio pygmaea	189
23OCT90	C	Minuspio cirrifera	189
23OCT90	C	Tharyx setigera	3309
23OCT90	C	Cossura delta	662
23OCT90	C	Axiothella mucosa	851

23OCT90	C	Clymenella torquata	189
23OCT90	C	Asychis sp.	1040
23OCT90	C	Melinna maculata	95
23OCT90	C	Pista palmata	95
23OCT90	C	Mitrella lunata	95
23OCT90	C	Listriella clymenellae	95
23OCT90	C	Paguridae juv.	189
23OCT90	C	Xanthidae (unidentified)	95
23OCT90	C	Pinnixa cristata	189
23OCT90	C	Pinnixa retinens	189
23OCT90	C	Pyrgiscus sp.	189
23OCT90	C	Sigalionidae (unidentified)	378
23OCT90	C	Schistomeringos sp. A	284
23OCT90	C	Paraonidae Grp. A	378
23OCT90	C	Paraonidae Grp. B	1702
23OCT90	C	Capitellidae (unidentified)	95
23OCT90	C	Notomastus cf. latericeus	95
23OCT90	C	Terebellidae (unidentified)	95
23OCT90	C	Ophiuroidea (unidentified)	1135
23OCT90	C	Pelecypoda (unidentified)	95
23OCT90	C	Gastropoda (unidentified)	95
23OCT90	C	Amphipoda (unidentified)	95
23OCT90	C	Sarsiella spinosa	95
23OCT90	C	Mediomastus ambiseta	15222
23OCT90	C	Amaenana trilobata	284
23OCT90	D	Rhynchocoela (unidentified)	756
23OCT90	D	Sigambra tentaculata	95
23OCT90	D	Gyptis vittata	284
23OCT90	D	Paraprionospio pinnata	95
23OCT90	D	Minuspio cirrifera	1229
23OCT90	D	Cossura delta	189
23OCT90	D	Mediomastus californiensis	1702
23OCT90	D	Branchioasychis americana	95
23OCT90	D	Maldanidae (unidentified)	189
23OCT90	D	Pectinaria gouldii	95
23OCT90	D	Corbula contracta	378
23OCT90	D	Caprellidae sp.	95
23OCT90	D	Phascolion strombi	378
23OCT90	D	Schizocardium sp.	95
23OCT90	D	Sigalionidae (unidentified)	95
23OCT90	D	Paraonidae Grp. B	473
23OCT90	D	Ophiuroidea (unidentified)	662
23OCT90	D	Pelecypoda (unidentified)	378
23OCT90	D	Armandia maculata	189
23OCT90	D	Periploma cf. orbiculare	756
23OCT90	D	Sigambra cf. wassi	95
23OCT90	D	Naineris sp. A	284
25JAN91	A	Glycinde solitaria	95
25JAN91	A	Streblospio benedicti	1040
25JAN91	A	Mulinia lateralis	378
25JAN91	A	Tellina sp.	189
25JAN91	A	No species observed	0
25JAN91	B	Rhynchocoela (unidentified)	189
25JAN91	B	Streblospio benedicti	2175
25JAN91	B	Paraprionospio pinnata	756
25JAN91	B	Cossura delta	756
25JAN91	B	Mulinia lateralis	1418

25JAN91	B	Tellina sp.	378
25JAN91	B	Pyramidella crenulata	567
25JAN91	B	Polychaete juv. (unidentified)	95
25JAN91	B	Mediomastus ambiseta	4916
25JAN91	C	Rhynchocoela (unidentified)	567
25JAN91	C	Paleanotus heteroseta	473
25JAN91	C	Gyptis vittata	378
25JAN91	C	Podarke obscura	95
25JAN91	C	Glycera americana	95
25JAN91	C	Drilonereis magna	2175
25JAN91	C	Polydora socialis	189
25JAN91	C	Polydora caulleryi	1135
25JAN91	C	Streblospio benedicti	473
25JAN91	C	Paraprionospio pinnata	567
25JAN91	C	Minuspio cirrifera	851
25JAN91	C	Magelona phyllisae	95
25JAN91	C	Spiochaetopterus costarum	95
25JAN91	C	Tharyx setigera	851
25JAN91	C	Cossura delta	756
25JAN91	C	Branchioasychis americana	284
25JAN91	C	Axiothella mucosa	284
25JAN91	C	Clymenella torquata	378
25JAN91	C	Asychis sp.	473
25JAN91	C	Megalomma bioculatum	95
25JAN91	C	Aligena texasiana	95
25JAN91	C	Mulinia lateralis	284
25JAN91	C	Periploma margaritaceum	284
25JAN91	C	Ampelisca verrilli	95
25JAN91	C	Caprellidae sp.	95
25JAN91	C	Schizocardium sp.	567
25JAN91	C	Nassarius acutus	189
25JAN91	C	Pyrgiscus sp.	95
25JAN91	C	Nereidae (unidentified)	95
25JAN91	C	Paraonidae Grp. A	567
25JAN91	C	Paraonidae Grp. B	1229
25JAN91	C	Ophiuroidea (unidentified)	284
25JAN91	C	Sphaerosyllis sp. A	95
25JAN91	C	Mediomastus ambiseta	10684
25JAN91	C	Amaenana trilobata	189
25JAN91	D	Rhynchocoela (unidentified)	1040
25JAN91	D	Paleanotus heteroseta	567
25JAN91	D	Sigambra tentaculata	189
25JAN91	D	Drilonereis magna	95
25JAN91	D	Schistomeringos rudolphi	95
25JAN91	D	Minuspio cirrifera	473
25JAN91	D	Tharyx setigera	95
25JAN91	D	Cossura delta	567
25JAN91	D	Clymenella torquata	95
25JAN91	D	Maldanidae (unidentified)	95
25JAN91	D	Mulinia lateralis	95
25JAN91	D	Abra aequalis	95
25JAN91	D	Corbula contracta	284
25JAN91	D	Ampelisca abdita	95
25JAN91	D	Phascolion strombi	567
25JAN91	D	Phoronis architecta	95
25JAN91	D	Schizocardium sp.	1985
25JAN91	D	Pilargiidae (unidentified)	95

25JAN91	D	Paraonidae Grp. B	378
25JAN91	D	Ophiuroidea (unidentified)	284
25JAN91	D	Amphipoda (unidentified)	95
25JAN91	D	Periploma cf. orbiculare	1324
25JAN91	D	Naineris sp. A	756
25JAN91	D	Mediomastus ambiseta	5862
24APR91	A	Streblospio benedicti	1040
24APR91	A	Capitella capitata	95
24APR91	A	Heteromastus filiformis	95
24APR91	A	Macoma mitchelli	189
24APR91	A	Mediomastus ambiseta	473
24APR91	A	No species observed	0
24APR91	B	Streblospio benedicti	1891
24APR91	B	Paraprionospio pinnata	189
24APR91	B	Cossura delta	95
24APR91	B	Capitella capitata	95
24APR91	B	Pyrgiscus sp.	95
24APR91	B	Mediomastus ambiseta	1229
24APR91	C	Rhynchocoela (unidentified)	851
24APR91	C	Paleanotus heteroseta	189
24APR91	C	Gyptis vittata	662
24APR91	C	Glycinde solitaria	567
24APR91	C	Drilonereis magna	1135
24APR91	C	Polydora socialis	95
24APR91	C	Polydora caulleryi	945
24APR91	C	Streblospio benedicti	284
24APR91	C	Paraprionospio pinnata	284
24APR91	C	Minuspio cirrifera	1607
24APR91	C	Tharyx setigera	189
24APR91	C	Cossura delta	945
24APR91	C	Mediomastus californiensis	95
24APR91	C	Branchioasychis americana	95
24APR91	C	Axiothella mucosa	95
24APR91	C	Clymenella torquata	95
24APR91	C	Asychis sp.	95
24APR91	C	Owenia fusiformis	95
24APR91	C	Melinna maculata	95
24APR91	C	Periploma margaritaceum	95
24APR91	C	Schizocardium sp.	662
24APR91	C	Pyrgiscus sp.	189
24APR91	C	Paraonidae Grp. A	662
24APR91	C	Paraonidae Grp. B	3498
24APR91	C	Notomastus cf. latericeus	95
24APR91	C	Ophiuroidea (unidentified)	189
24APR91	C	Turbellaria (unidentified)	284
24APR91	C	Parandalia ocularis	95
24APR91	C	Oxyurostylis sp.	95
24APR91	C	Naineris sp. A	95
24APR91	C	Mediomastus ambiseta	7847
24APR91	D	Anthozoa (unidentified)	189
24APR91	D	Rhynchocoela (unidentified)	1135
24APR91	D	Oligochaetes (unidentified)	567
24APR91	D	Paleanotus heteroseta	378
24APR91	D	Sigambra tentaculata	95
24APR91	D	Glycinde solitaria	378
24APR91	D	Drilonereis magna	95
24APR91	D	Polydora caulleryi	12102

24APR91	D	Streblospio benedicti	189
24APR91	D	Paraprionospio pinnata	95
24APR91	D	Minuspio cirrifera	1985
24APR91	D	Cossura delta	1985
24APR91	D	Clymenella torquata	95
24APR91	D	Corbula contracta	95
24APR91	D	Pseudodiaptomus coronatus	189
24APR91	D	Phoronis architecta	284
24APR91	D	Schizocardium sp.	2742
24APR91	D	Listriella barnardi	189
24APR91	D	Ancistrosyllis groenlandica	95
24APR91	D	Sigalionidae (unidentified)	189
24APR91	D	Nereidae (unidentified)	95
24APR91	D	Glycera capitata	95
24APR91	D	Paraonidae Grp. B	756
24APR91	D	Ophiuroidea (unidentified)	284
24APR91	D	Pinnixa sp.	378
24APR91	D	Sphaerosyllis sp. A	95
24APR91	D	Mysidopsis bahia	189
24APR91	D	Turbellaria (unidentified)	284
24APR91	D	Periploma cf. orbiculare	284
24APR91	D	Naineris sp. A	662
24APR91	D	Mediomastus ambiseta	11251
24JUL91	A	Rhynchocoela (unidentified)	284
24JUL91	A	Streblospio benedicti	567
24JUL91	A	Capitella capitata	95
24JUL91	A	Mulinia lateralis	95
24JUL91	A	Edotea montosa	284
24JUL91	A	Mysidopsis sp.	95
24JUL91	A	Chironomid larvae	95
24JUL91	A	Macoma mitchelli	95
24JUL91	A	Littoridina sphinctostoma	95
24JUL91	A	Parandalia ocularis	95
24JUL91	A	Mediomastus ambiseta	3025
24JUL91	B	Rhynchocoela (unidentified)	284
24JUL91	B	Glycinde solitaria	189
24JUL91	B	Streblospio benedicti	1796
24JUL91	B	Cossura delta	95
24JUL91	B	Capitella capitata	473
24JUL91	B	Pyramidella crenulata	95
24JUL91	B	Crassostrea virginica	95
24JUL91	B	Macoma mitchelli	189
24JUL91	B	Parandalia ocularis	95
24JUL91	B	Mediomastus ambiseta	7375
24JUL91	C	Rhynchocoela (unidentified)	378
24JUL91	C	Oligochaetes (unidentified)	95
24JUL91	C	Paleanotus heteroseta	284
24JUL91	C	Anaitides erythrophyllus	95
24JUL91	C	Gyptis vittata	284
24JUL91	C	Neanthes succinea	95
24JUL91	C	Glycera americana	95
24JUL91	C	Glycinde solitaria	473
24JUL91	C	Diopatra cuprea	95
24JUL91	C	Drilonereis magna	662
24JUL91	C	Paraprionospio pinnata	95
24JUL91	C	Minuspio cirrifera	473
24JUL91	C	Magelona phyllisae	95

24JUL91	C	Tharyx setigera	284
24JUL91	C	Cossura delta	473
24JUL91	C	Mediomastus californiensis	6146
24JUL91	C	Branchioasychis americana	95
24JUL91	C	Axiothella mucosa	189
24JUL91	C	Pista palmata	95
24JUL91	C	Periploma margaritaceum	189
24JUL91	C	Pseudodiaptomus coronatus	189
24JUL91	C	Trachypenaeus constrictus	95
24JUL91	C	Phoronis architecta	95
24JUL91	C	Schizocardium sp.	378
24JUL91	C	Pyrgiscus sp.	284
24JUL91	C	Ancistrosyllis groenlandica	189
24JUL91	C	Paraonidae Grp. A	473
24JUL91	C	Paraonidae Grp. B	2269
24JUL91	C	Ophiuroidea (unidentified)	95
24JUL91	C	Microprotopus spp.	95
24JUL91	C	Sphaerosyllis sp. A	95
24JUL91	C	Leucon sp.	95
24JUL91	C	Turbellaria (unidentified)	189
24JUL91	C	Naineris sp. A	189
24JUL91	C	Mediomastus ambiseta	2364
24JUL91	D	Rhynchocoela (unidentified)	662
24JUL91	D	Oligochaetes (unidentified)	378
24JUL91	D	Paleanotus heteroseta	378
24JUL91	D	Sigambra tentaculata	189
24JUL91	D	Gyptis vittata	473
24JUL91	D	Paraprionospio pinnata	284
24JUL91	D	Minuspio cirrifera	1229
24JUL91	D	Cossura delta	945
24JUL91	D	Mediomastus californiensis	3782
24JUL91	D	Periploma margaritaceum	1135
24JUL91	D	Trachypenaeus constrictus	95
24JUL91	D	Phascolion strombi	189
24JUL91	D	Phoronis architecta	95
24JUL91	D	Ancistrosyllis groenlandica	95
24JUL91	D	Paraonidae Grp. B	756
24JUL91	D	Ophiuroidea (unidentified)	189
24JUL91	D	Periploma cf. orbiculare	284
24JUL91	D	Pinnixa chacei	95
24JUL91	D	Naineris sp. A	284
24JUL91	D	Mediomastus ambiseta	1985
24JUL91	D	Paramya subovata	284
14OCT91	A	Glycinde solitaria	284
14OCT91	A	Streblospio benedicti	1040
14OCT91	A	Mediomastus californiensis	95
14OCT91	A	Mulinia lateralis	189
14OCT91	A	Ampelisca abdita	378
14OCT91	A	Parandalia ocularis	189
14OCT91	A	Mediomastus ambiseta	3782
14OCT91	B	Rhynchocoela (unidentified)	95
14OCT91	B	Glycinde solitaria	95
14OCT91	B	Streblospio benedicti	378
14OCT91	B	Cossura delta	189
14OCT91	B	Mulinia lateralis	95
14OCT91	B	Megalops	95
14OCT91	B	Mediomastus ambiseta	3404

14OCT91	C	Rhynchocoela (unidentified)	567
14OCT91	C	Gyptis vittata	473
14OCT91	C	Glycinde solitaria	95
14OCT91	C	Drilonereis magna	473
14OCT91	C	Polydora caulleryi	189
14OCT91	C	Paraprionospio pinnata	189
14OCT91	C	Minuspio cirrifera	284
14OCT91	C	Tharyx setigera	1702
14OCT91	C	Cossura delta	662
14OCT91	C	Mediomastus californiensis	3215
14OCT91	C	Maldanidae (unidentified)	189
14OCT91	C	Mysella planulata	95
14OCT91	C	Mulinia lateralis	189
14OCT91	C	Periploma margaritaceum	1135
14OCT91	C	Cyclaspis varians	95
14OCT91	C	Schizocardium sp.	378
14OCT91	C	Pyrgiscus sp.	95
14OCT91	C	Paraonidae Grp. A	95
14OCT91	C	Paraonidae Grp. B	3309
14OCT91	C	Ophiuroidea (unidentified)	284
14OCT91	C	Mysidopsis sp.	95
14OCT91	C	Turbellaria (unidentified)	189
14OCT91	C	Periploma cf. orbiculare	95
14OCT91	C	Caecum johnsoni	95
14OCT91	C	Pinnixa chacei	189
14OCT91	C	Mediomastus ambiseta	2175
14OCT91	D	Rhynchocoela (unidentified)	95
14OCT91	D	Oligochaetes (unidentified)	1324
14OCT91	D	Paleanotus heteroseta	95
14OCT91	D	Sigambra tentaculata	378
14OCT91	D	Gyptis vittata	284
14OCT91	D	Drilonereis magna	95
14OCT91	D	Streblospio benedicti	756
14OCT91	D	Paraprionospio pinnata	378
14OCT91	D	Minuspio cirrifera	851
14OCT91	D	Cossura delta	851
14OCT91	D	Mediomastus californiensis	3687
14OCT91	D	Maldanidae (unidentified)	95
14OCT91	D	Corbula contracta	189
14OCT91	D	Nereidae (unidentified)	95
14OCT91	D	Paraonidae Grp. B	378
14OCT91	D	Ophiuroidea (unidentified)	378
14OCT91	D	Pelecypoda (unidentified)	1135
14OCT91	D	Mysidopsis sp.	95
14OCT91	D	Pinnixa chacei	95
14OCT91	D	Mediomastus ambiseta	1891
20JAN92	A	Rhynchocoela (unidentified)	95
20JAN92	A	Streblospio benedicti	1135
20JAN92	A	Cossura delta	378
20JAN92	A	Capitella capitata	95
20JAN92	A	Mediomastus californiensis	1135
20JAN92	A	Mulinia lateralis	378
20JAN92	A	Macoma mitchelli	1513
20JAN92	A	Parandalia ocularis	95
20JAN92	A	Mediomastus ambiseta	3876
20JAN92	B	Glycinde solitaria	95
20JAN92	B	Paraprionospio pinnata	95

20JAN92	B	Cossura delta	378
20JAN92	B	Mulinia lateralis	189
20JAN92	B	Pyramidella crenulata	284
20JAN92	B	Macoma mitchelli	567
20JAN92	B	Mediomastus ambiseta	3593
20JAN92	C	Sigambra tentaculata	95
20JAN92	C	Glycinde solitaria	95
20JAN92	C	Drilonereis magna	95
20JAN92	C	Streblospio benedicti	95
20JAN92	C	Magelona phyllisae	95
20JAN92	C	Mediomastus californiensis	1418
20JAN92	C	Mulinia lateralis	95
20JAN92	C	Nassarius acutus	95
20JAN92	C	Paraonidae Grp. A	378
20JAN92	C	Paraonidae Grp. B	284
20JAN92	C	Armandia maculata	95
20JAN92	C	Sphaerosyllis sp. A	95
20JAN92	C	Sarsiella spinosa	95
20JAN92	C	Mediomastus ambiseta	95
20JAN92	D	Anthozoa (unidentified)	567
20JAN92	D	Rhynchocoela (unidentified)	473
20JAN92	D	Oligochaetes (unidentified)	189
20JAN92	D	Eunoe cf. nodulosa	95
20JAN92	D	Paleanotus heteroseta	189
20JAN92	D	Sigambra tentaculata	378
20JAN92	D	Aglaophamus verrilli	95
20JAN92	D	Glycinde solitaria	95
20JAN92	D	Diopatra cuprea	189
20JAN92	D	Drilonereis magna	95
20JAN92	D	Minuspio cirrifera	473
20JAN92	D	Cossura delta	756
20JAN92	D	Mediomastus californiensis	2269
20JAN92	D	Abra aequalis	95
20JAN92	D	Ancistrosyllis groenlandica	284
20JAN92	D	Pandora trilineata	95
20JAN92	D	Paraonidae Grp. B	189
20JAN92	D	Ophiuroidea (unidentified)	567
20JAN92	D	Corophium ascherusicum	95
20JAN92	D	Naineris sp. A	378
20JAN92	D	Mediomastus ambiseta	1607
20JAN92	D	Paramya subovata	756
06APR92	A	Rhynchocoela (unidentified)	189
06APR92	A	Polydora ligni	95
06APR92	A	Streblospio benedicti	567
06APR92	A	Mulinia lateralis	284
06APR92	A	Macoma mitchelli	567
06APR92	A	Mediomastus ambiseta	3309
06APR92	B	Streblospio benedicti	284
06APR92	B	Macoma mitchelli	189
06APR92	B	Parandalia ocularis	95
06APR92	B	Mediomastus ambiseta	5956
06APR92	C		0
06APR92	C	Oligochaetes (unidentified)	95
06APR92	C	Sigambra tentaculata	95
06APR92	C	Minuspio cirrifera	284
06APR92	C	Cossura delta	189
06APR92	C	Mediomastus californiensis	2175

06APR92	C	Maldanidae (unidentified)	95
06APR92	C	Paraonidae Grp. A	95
06APR92	C	Paraonidae Grp. B	189
06APR92	D	Anthozoa (unidentified)	95
06APR92	D	Rhynchocoela (unidentified)	473
06APR92	D	Oligochaetes (unidentified)	189
06APR92	D	Paleanotus heteroseta	189
06APR92	D	Sigambra bassi	95
06APR92	D	Diopatra cuprea	95
06APR92	D	Streblospio benedicti	378
06APR92	D	Paraprionospio pinnata	95
06APR92	D	Minuspio cirrifera	1135
06APR92	D	Cossura delta	1324
06APR92	D	Maldanidae (unidentified)	189
06APR92	D	Melinna maculata	95
06APR92	D	Mysella planulata	95
06APR92	D	Nuculana concentrica	95
06APR92	D	Nereidae (unidentified)	95
06APR92	D	Paraonidae Grp. B	378
06APR92	D	Ophiuroidea (unidentified)	473
06APR92	D	Hemicyclops sp.	284
06APR92	D	Macoma mitchelli	284
06APR92	D	Apseudes sp. A	1324
06APR92	D	Naineris sp. A	1607
06APR92	D	Mediomastus ambiseta	4255
06APR92	D	Paramya subovata	945
12JUL92	A	Rhynchocoela (unidentified)	95
12JUL92	A	Streblospio benedicti	851
12JUL92	A	Edotea montosa	95
12JUL92	A	Chironomid larvae	189
12JUL92	A	Hobsonia florida	95
12JUL92	A	Littoridina sphinctostoma	95
12JUL92	A	Mediomastus ambiseta	3120
12JUL92	B	Streblospio benedicti	1135
12JUL92	B	Capitella capitata	95
12JUL92	B	Chironomid larvae	95
12JUL92	B	Macoma mitchelli	95
12JUL92	B	Parandalia ocularis	95
12JUL92	B	Mediomastus ambiseta	4160
12JUL92	C	Rhynchocoela (unidentified)	95
12JUL92	C	Glycinde solitaria	945
12JUL92	C	Streblospio benedicti	2742
12JUL92	C	Paraprionospio pinnata	284
12JUL92	C	Paraonidae Grp. B	1135
12JUL92	C	Mediomastus ambiseta	3498
12JUL92	D	Rhynchocoela (unidentified)	378
12JUL92	D	Oligochaetes (unidentified)	662
12JUL92	D	Eunoe cf. nodulosa	189
12JUL92	D	Paleanotus heteroseta	95
12JUL92	D	Sigambra tentaculata	189
12JUL92	D	Gyptis vittata	189
12JUL92	D	Drilonereis magna	95
12JUL92	D	Streblospio benedicti	473
12JUL92	D	Paraprionospio pinnata	95
12JUL92	D	Minuspio cirrifera	1418
12JUL92	D	Magelona pettiboneae	189
12JUL92	D	Cossura delta	945

12JUL92	D	Mediomastus californiensis	284
12JUL92	D	Corbula contracta	95
12JUL92	D	Ogyrides limicola	95
12JUL92	D	Schistomeringos sp. A	95
12JUL92	D	Paraonidae Grp. B	95
12JUL92	D	Ophiuroidea (unidentified)	662
12JUL92	D	Hiatella arctica	95
12JUL92	D	Mysidopsis bahia	95
12JUL92	D	Turbellaria (unidentified)	95
12JUL92	D	Apseudes sp. A	189
12JUL92	D	Periploma cf. orbiculare	95
12JUL92	D	Naineris sp. A	378
12JUL92	D	Mediomastus ambiseta	1891
12JUL92	D	Paramya subovata	284
06OCT92	A	Rhynchocoela (unidentified)	189
06OCT92	A	Oligochaetes (unidentified)	95
06OCT92	A	Streblospio benedicti	567
06OCT92	A	Pseudodiaptomus coronatus	95
06OCT92	A	Chironomid larvae	95
06OCT92	A	Parandalia ocularis	95
06OCT92	A	Mediomastus ambiseta	6902
06OCT92	A	No species observed	0
06OCT92	B	Glycinde solitaria	95
06OCT92	B	Streblospio benedicti	662
06OCT92	B	Paraprionospio pinnata	95
06OCT92	B	Mulinia lateralis	95
06OCT92	B	Mediomastus ambiseta	4160
06OCT92	C	Rhynchocoela (unidentified)	756
06OCT92	C	Oligochaetes (unidentified)	189
06OCT92	C	Anaitides erythrophyllus	95
06OCT92	C	Gyptis vittata	189
06OCT92	C	Glycinde solitaria	95
06OCT92	C	Streblospio benedicti	1040
06OCT92	C	Paraprionospio pinnata	756
06OCT92	C	Haploscoloplos foliosus	189
06OCT92	C	Cossura delta	95
06OCT92	C	Clymenella torquata	95
06OCT92	C	Pectinaria gouldii	189
06OCT92	C	Nuculana acuta	95
06OCT92	C	Mulinia lateralis	6240
06OCT92	C	Ancistrosyllis groenlandica	189
06OCT92	C	Pinnotheridae (unidentified)	95
06OCT92	C	Ophiuroidea (unidentified)	189
06OCT92	C	Macoma mitchelli	95
06OCT92	C	Pyramidella sp.	95
06OCT92	C	Mediomastus ambiseta	12291
06OCT92	D	Rhynchocoela (unidentified)	567
06OCT92	D	Oligochaetes (unidentified)	284
06OCT92	D	Sigambra tentaculata	189
06OCT92	D	Gyptis vittata	95
06OCT92	D	Drilonereis magna	189
06OCT92	D	Streblospio benedicti	945
06OCT92	D	Paraprionospio pinnata	284
06OCT92	D	Minuspio cirrifera	945
06OCT92	D	Cossura delta	2647
06OCT92	D	Melinna maculata	95
06OCT92	D	Nuculana acuta	95

06OCT92	D	Corbula contracta	95
06OCT92	D	Nuculana concentrica	189
06OCT92	D	Paraonidae Grp. B	189
06OCT92	D	Ophiuroidea (unidentified)	473
06OCT92	D	Apseudes sp. A	284
06OCT92	D	Periploma cf. orbiculare	95
06OCT92	D	Naineris sp. A	95
06OCT92	D	Mediomastus ambiseta	9833
06OCT92	D	Paramya subovata	1229
12JAN93	A	Glycinde solitaria	189
12JAN93	A	Diopatra cuprea	95
12JAN93	A	Streblospio benedicti	1607
12JAN93	A	Cossura delta	189
12JAN93	A	Capitella capitata	378
12JAN93	A	Mulinia lateralis	378
12JAN93	A	Chironomid larvae	95
12JAN93	A	Macoma mitchelli	662
12JAN93	A	Laeonereis culveri	95
12JAN93	A	Mediomastus ambiseta	12575
12JAN93	A	No species observed	0
12JAN93	B	Rhynchocoela (unidentified)	95
12JAN93	B	Glycinde solitaria	95
12JAN93	B	Streblospio benedicti	1607
12JAN93	B	Haploscoloplos foliosus	189
12JAN93	B	Cossura delta	756
12JAN93	B	Mulinia lateralis	189
12JAN93	B	Monoculodes sp.	95
12JAN93	B	Macoma mitchelli	378
12JAN93	B	Pyramidella sp.	95
12JAN93	B	Mediomastus ambiseta	6524
12JAN93	C	Rhynchocoela (unidentified)	567
12JAN93	C	Oligochaetes (unidentified)	95
12JAN93	C	Eteone heteropoda	95
12JAN93	C	Gyptis vittata	189
12JAN93	C	Glycinde solitaria	1607
12JAN93	C	Streblospio benedicti	378
12JAN93	C	Haploscoloplos foliosus	851
12JAN93	C	Cossura delta	1324
12JAN93	C	Axiothella mucosa	189
12JAN93	C	Pectinaria gouldii	189
12JAN93	C	Mulinia lateralis	189
12JAN93	C	Lyonsia hyalina floridana	95
12JAN93	C	Pseudodiaptomus coronatus	95
12JAN93	C	Cyclaspis varians	189
12JAN93	C	Phascolion strombi	95
12JAN93	C	Nassarius acutus	95
12JAN93	C	Sigalionidae (unidentified)	95
12JAN93	C	Paraonidae Grp. A	95
12JAN93	C	Ophiuroidea (unidentified)	567
12JAN93	C	Turbellaria (unidentified)	95
12JAN93	C	Oxyurostylis sp.	95
12JAN93	C	Mediomastus ambiseta	15978
12JAN93	D	Anthozoa (unidentified)	95
12JAN93	D	Rhynchocoela (unidentified)	567
12JAN93	D	Oligochaetes (unidentified)	95
12JAN93	D	Eunoe cf. nodulosa	95
12JAN93	D	Sthenelais boa	189

12JAN93	D	Sigambra tentaculata	189
12JAN93	D	Glycinde solitaria	567
12JAN93	D	Drilonereis magna	95
12JAN93	D	Streblospio benedicti	95
12JAN93	D	Minuspio cirrifera	378
12JAN93	D	Cossura delta	756
12JAN93	D	Clymenella torquata	95
12JAN93	D	Owenia fusiformis	95
12JAN93	D	Pectinaria gouldii	95
12JAN93	D	Melinna maculata	95
12JAN93	D	Corbula contracta	95
12JAN93	D	Nuculana concentrica	95
12JAN93	D	Ophiuroidea (unidentified)	1229
12JAN93	D	Pelecypoda (unidentified)	756
12JAN93	D	Apseudes sp. A	189
12JAN93	D	Sigambra cf. wassi	95
12JAN93	D	Naineris sp. A	284
12JAN93	D	Mediomastus ambiseta	6807
12JAN93	D	Munnidae sp.	95
12JAN93	E	Rhynchocoela (unidentified)	284
12JAN93	E	Oligochaetes (unidentified)	189
12JAN93	E	Gyptis vittata	378
12JAN93	E	Glycinde solitaria	662
12JAN93	E	Streblospio benedicti	2175
12JAN93	E	Paraprionospio pinnata	1607
12JAN93	E	Cossura delta	378
12JAN93	E	Asychis sp.	95
12JAN93	E	Nuculana concentrica	95
12JAN93	E	Paraonidae Grp. A	189
12JAN93	E	Paraonidae Grp. B	95
12JAN93	E	Ophiuroidea (unidentified)	284
12JAN93	E	Pyramidella crenulata	284
12JAN93	E	Mediomastus ambiseta	9455
12JAN93	F	Anthozoa (unidentified)	95
12JAN93	F	Rhynchocoela (unidentified)	284
12JAN93	F	Oligochaetes (unidentified)	95
12JAN93	F	Gyptis vittata	95
12JAN93	F	Streblospio benedicti	1040
12JAN93	F	Paraprionospio pinnata	378
12JAN93	F	Haploscoloplos foliosus	189
12JAN93	F	Cossura delta	95
12JAN93	F	Mulinia lateralis	1135
12JAN93	F	Macoma mitchelli	662
12JAN93	F	Turbellaria (unidentified)	95
12JAN93	F	Mediomastus ambiseta	10778
05APR93	A	Anthozoa (unidentified)	95
05APR93	A	Rhynchocoela (unidentified)	567
05APR93	A	Streblospio benedicti	1135
05APR93	A	Mulinia lateralis	95
05APR93	A	Macoma mitchelli	284
05APR93	A	Hobsonia florida	95
05APR93	A	Mediomastus ambiseta	10022
05APR93	B	Rhynchocoela (unidentified)	473
05APR93	B	Sigambra bassi	95
05APR93	B	Glycinde solitaria	95
05APR93	B	Streblospio benedicti	851
05APR93	B	Paraprionospio pinnata	95

05APR93	B	Cossura delta	1513
05APR93	B	Capitella capitata	95
05APR93	B	Mulinia lateralis	756
05APR93	B	Brachidontes exustus	95
05APR93	B	Macoma mitchelli	95
05APR93	B	Turbellaria (unidentified)	378
05APR93	B	Mediomastus ambiseta	10967
05APR93	C	Sigambra bassi	95
05APR93	C	Sigambra tentaculata	95
05APR93	C	Gyptis vittata	95
05APR93	C	Glycinde solitaria	378
05APR93	C	Streblospio benedicti	95
05APR93	C	Haploscoloplos foliosus	95
05APR93	C	Cossura delta	189
05APR93	C	Capitella capitata	95
05APR93	C	Pectinaria gouldii	95
05APR93	C	Mulinia lateralis	5106
05APR93	C	Lyonsia hyalina floridana	95
05APR93	C	Cyclaspis varians	473
05APR93	C	Edotea montosa	95
05APR93	C	Nuculana concentrica	189
05APR93	C	Dorvilleidae	189
05APR93	C	Oxyurostylis sp.	189
05APR93	C	Mediomastus ambiseta	1418
05APR93	D	Anthozoa (unidentified)	284
05APR93	D	Rhynchocoela (unidentified)	662
05APR93	D	Oligochaetes (unidentified)	567
05APR93	D	Paranaitis speciosa	95
05APR93	D	Sigambra bassi	95
05APR93	D	Sigambra tentaculata	189
05APR93	D	Gyptis vittata	95
05APR93	D	Glycinde solitaria	473
05APR93	D	Diopatra cuprea	95
05APR93	D	Lumbrineris parvapedata	95
05APR93	D	Streblospio benedicti	473
05APR93	D	Minuspio cirrifera	1229
05APR93	D	Magelona phyllisae	95
05APR93	D	Cossura delta	2269
05APR93	D	Branchioasychis americana	95
05APR93	D	Clymenella torquata	95
05APR93	D	Pectinaria gouldii	473
05APR93	D	Aligena texasiana	95
05APR93	D	Caprellidae sp.	95
05APR93	D	Phascolion strombi	95
05APR93	D	Ancistrosyllis groenlandica	95
05APR93	D	Ophiuroidea (unidentified)	473
05APR93	D	Pelecypoda (unidentified)	95
05APR93	D	Microprotopus spp.	95
05APR93	D	Holothuroidae (unidentified)	95
05APR93	D	Hobsonia florida	756
05APR93	D	Naineris sp. A	95
05APR93	D	Mediomastus ambiseta	15222
05APR93	E	Anthozoa (unidentified)	95
05APR93	E	Rhynchocoela (unidentified)	662
05APR93	E	Oligochaetes (unidentified)	284
05APR93	E	Paranaitis speciosa	284
05APR93	E	Sigambra tentaculata	95

05APR93	E	Gyptis vittata	189
05APR93	E	Glycinde solitaria	95
05APR93	E	Diopatra cuprea	95
05APR93	E	Lumbrineris parvapedata	95
05APR93	E	Streblospio benedicti	284
05APR93	E	Paraprionospio pinnata	756
05APR93	E	Cossura delta	473
05APR93	E	Pectinaria gouldii	95
05APR93	E	Nuculana acuta	284
05APR93	E	Mulinia lateralis	284
05APR93	E	Monoculodes sp.	95
05APR93	E	Acteocina canaliculata	189
05APR93	E	Nereidae (unidentified)	95
05APR93	E	Paraonidae Grp. A	95
05APR93	E	Pectinariidae	95
05APR93	E	Ophiuroidea (unidentified)	95
05APR93	E	Pyramidella crenulata	284
05APR93	E	Hobsonia florida	3215
05APR93	E	Oxyurostylis sp.	95
05APR93	E	Mediomastus ambiseta	6524
05APR93	F	Rhynchocoela (unidentified)	662
05APR93	F	Gyptis vittata	189
05APR93	F	Streblospio benedicti	3687
05APR93	F	Paraprionospio pinnata	378
05APR93	F	Capitella capitata	567
05APR93	F	Mulinia lateralis	1985
05APR93	F	Acteocina canaliculata	95
05APR93	F	Pelecypoda (unidentified)	95
05APR93	F	Pyramidella crenulata	95
05APR93	F	Brachidontes exustus	95
05APR93	F	Macoma mitchelli	567
05APR93	F	Turbellaria (unidentified)	567
05APR93	F	Mediomastus ambiseta	13615
09JUL93	A	Streblospio benedicti	284
09JUL93	A	Capitella capitata	95
09JUL93	A	Mulinia lateralis	473
09JUL93	A	Chironomid larvae	189
09JUL93	A	Macoma mitchelli	189
09JUL93	A	Littoridina sphinctostoma	378
09JUL93	A	Mediomastus ambiseta	5956
09JUL93	B	Streblospio benedicti	189
09JUL93	B	Chironomid larvae	95
09JUL93	B	Macoma mitchelli	95
09JUL93	B	Littoridina sphinctostoma	189
09JUL93	B	Mediomastus ambiseta	2553
09JUL93	C	Rhynchocoela (unidentified)	95
09JUL93	C	Oligochaetes (unidentified)	95
09JUL93	C	Streblospio benedicti	3782
09JUL93	C	Haploscoloplos foliosus	95
09JUL93	C	Cossura delta	284
09JUL93	C	Capitella capitata	284
09JUL93	C	Axiothella mucosa	95
09JUL93	C	Mulinia lateralis	284
09JUL93	C	Ancistrosyllis groenlandica	95
09JUL93	C	Macoma mitchelli	95
09JUL93	C	Parandalia ocularis	95
09JUL93	C	Caecum johnsoni	378

09JUL93	C	Mediomastus ambiseta	473
09JUL93	D	Anthozoa (unidentified)	95
09JUL93	D	Rhynchocoela (unidentified)	189
09JUL93	D	Oligochaetes (unidentified)	567
09JUL93	D	Gyptis vittata	95
09JUL93	D	Diopatra cuprea	95
09JUL93	D	Paraprionospio pinnata	189
09JUL93	D	Minuspio cirrifera	189
09JUL93	D	Cossura delta	662
09JUL93	D	Abra aequalis	95
09JUL93	D	Corbula contracta	189
09JUL93	D	Ophiuroidea (unidentified)	95
09JUL93	D	Microprotopus spp.	95
09JUL93	D	Apseudes sp. A	567
09JUL93	D	Periploma cf. orbiculare	473
09JUL93	D	Naineris sp. A	284
09JUL93	D	Mediomastus ambiseta	1891
09JUL93	D	Eudorella sp.	95
09JUL93	E	Rhynchocoela (unidentified)	95
09JUL93	E	Oligochaetes (unidentified)	473
09JUL93	E	Gyptis vittata	473
09JUL93	E	Glycinde solitaria	284
09JUL93	E	Streblospio benedicti	378
09JUL93	E	Paraprionospio pinnata	662
09JUL93	E	Cossura delta	378
09JUL93	E	Mulinia lateralis	2458
09JUL93	E	Acteocina canaliculata	95
09JUL93	E	Paraonidae Grp. B	95
09JUL93	E	Pyramidella crenulata	189
09JUL93	E	Macoma mitchelli	189
09JUL93	E	Mediomastus ambiseta	1702
09JUL93	F	Rhynchocoela (unidentified)	95
09JUL93	F	Gyptis vittata	189
09JUL93	F	Glycinde solitaria	189
09JUL93	F	Streblospio benedicti	378
09JUL93	F	Paraprionospio pinnata	756
09JUL93	F	Macoma mitchelli	95
09JUL93	F	Mediomastus ambiseta	8036
11OCT93	A	Streblospio benedicti	851
11OCT93	A	Mediomastus ambiseta	284
11OCT93	A	No species observed	0
11OCT93	B	Rhynchocoela (unidentified)	189
11OCT93	B	Glycinde solitaria	95
11OCT93	B	Mulinia lateralis	95
11OCT93	B	Parandalia ocularis	189
11OCT93	B	Mediomastus ambiseta	1324
11OCT93	C	Anthozoa (unidentified)	95
11OCT93	C	Rhynchocoela (unidentified)	189
11OCT93	C	Sigambra bassi	95
11OCT93	C	Gyptis vittata	189
11OCT93	C	Streblospio benedicti	284
11OCT93	C	Paraprionospio pinnata	284
11OCT93	C	Spiochaetopterus costarum	567
11OCT93	C	Haploscoloplos foliosus	189
11OCT93	C	Cossura delta	284
11OCT93	C	Mulinia lateralis	378
11OCT93	C	Ophiuroidea (unidentified)	378

11OCT93	C	Mediomastus ambiseta	5295
11OCT93	D	Rhynchocoela (unidentified)	756
11OCT93	D	Oligochaetes (unidentified)	189
11OCT93	D	Paleanotus heteroseta	95
11OCT93	D	Sigambra tentaculata	95
11OCT93	D	Lumbrineris parvapedata	95
11OCT93	D	Streblospio benedicti	189
11OCT93	D	Paraprionospio pinnata	189
11OCT93	D	Minuspio cirrifera	1324
11OCT93	D	Cossura delta	662
11OCT93	D	Periploma margaritaceum	1229
11OCT93	D	Ophiuroidea (unidentified)	378
11OCT93	D	Armandia maculata	95
11OCT93	D	Apseudes sp. A	95
11OCT93	D	Periploma cf. orbiculare	95
11OCT93	D	Naineris sp. A	95
11OCT93	D	Mediomastus ambiseta	1324
11OCT93	E	Oligochaetes (unidentified)	189
11OCT93	E	Gyptis vittata	189
11OCT93	E	Streblospio benedicti	1607
11OCT93	E	Paraprionospio pinnata	851
11OCT93	E	Cossura delta	95
11OCT93	E	Nassarius acutus	189
11OCT93	E	Ancistrosyllis groenlandica	95
11OCT93	E	Paraonidae Grp. A	95
11OCT93	E	Pyramidella crenulata	189
11OCT93	E	Caecum johnsoni	95
11OCT93	E	Mediomastus ambiseta	2364
11OCT93	F	Rhynchocoela (unidentified)	189
11OCT93	F	Streblospio benedicti	1324
11OCT93	F	Paraprionospio pinnata	284
11OCT93	F	Spiochaetopterus costarum	95
11OCT93	F	Cossura delta	95
11OCT93	F	Ampelisca abdita	662
11OCT93	F	Nassarius acutus	95
11OCT93	F	Megalops	95
11OCT93	F	Parandalia ocularis	189
11OCT93	F	Mediomastus ambiseta	1324
11OCT93	F	No species observed	0
05JAN94	A	Rhynchocoela (unidentified)	95
05JAN94	A	Polydora websteri	189
05JAN94	A	Streblospio benedicti	2175
05JAN94	A	Haploscoloplos foliosus	95
05JAN94	A	Capitella capitata	378
05JAN94	A	Capitellides jonesi	189
05JAN94	A	Notomastus latericeus	95
05JAN94	A	Mulinia lateralis	1324
05JAN94	A	Cyclaspis varians	378
05JAN94	A	Brachidontes exustus	95
05JAN94	A	Macoma mitchelli	378
05JAN94	A	Mediomastus ambiseta	5389
05JAN94	A	No species observed	0
05JAN94	B	Neanthes succinea	95
05JAN94	B	Glycinde solitaria	95
05JAN94	B	Streblospio benedicti	851
05JAN94	B	Paraprionospio pinnata	95
05JAN94	B	Haploscoloplos foliosus	378

05JAN94	B	Mulinia lateralis	1607
05JAN94	B	Ogyrides limicola	95
05JAN94	B	Capitellidae (unidentified)	95
05JAN94	B	Macoma mitchelli	473
05JAN94	B	Mediomastus ambiseta	2269
05JAN94	C	Rhynchocoela (unidentified)	567
05JAN94	C	Sigambra bassi	95
05JAN94	C	Neanthes succinea	95
05JAN94	C	Glycinde solitaria	284
05JAN94	C	Streblospio benedicti	189
05JAN94	C	Paraprionospio pinnata	189
05JAN94	C	Spiochaetopterus costarum	95
05JAN94	C	Haploscoloplos foliosus	662
05JAN94	C	Cossura delta	95
05JAN94	C	Maldanidae (unidentified)	95
05JAN94	C	Nuculana acuta	95
05JAN94	C	Ophiuroidea (unidentified)	95
05JAN94	C	Polychaete juv. (unidentified)	189
05JAN94	C	Diastylis sp.	95
05JAN94	C	Mediomastus ambiseta	4727
05JAN94	D	Anthozoa (unidentified)	284
05JAN94	D	Rhynchocoela (unidentified)	662
05JAN94	D	Eteone heteropoda	95
05JAN94	D	Podarke obscura	284
05JAN94	D	Glycinde solitaria	189
05JAN94	D	Diopatra cuprea	284
05JAN94	D	Lumbrineris latreilli	378
05JAN94	D	Paraprionospio pinnata	284
05JAN94	D	Minuspio cirrifera	1513
05JAN94	D	Haploscoloplos foliosus	95
05JAN94	D	Cossura delta	378
05JAN94	D	Notomastus latericeus	95
05JAN94	D	Mulinia lateralis	756
05JAN94	D	Phoronis architecta	189
05JAN94	D	Listriella barnardi	95
05JAN94	D	Lumbrineris tenuis	95
05JAN94	D	Ophiuroidea (unidentified)	567
05JAN94	D	Pelecypoda (unidentified)	95
05JAN94	D	Armandia maculata	95
05JAN94	D	Hemicyclops sp.	95
05JAN94	D	Macoma mitchelli	189
05JAN94	D	Turbellaria (unidentified)	189
05JAN94	D	Apseudes sp. A	756
05JAN94	D	Mediomastus ambiseta	6335
05JAN94	D	Eudorella sp.	95
05JAN94	E	Rhynchocoela (unidentified)	95
05JAN94	E	Gyptis vittata	95
05JAN94	E	Podarke obscura	567
05JAN94	E	Glycinde solitaria	189
05JAN94	E	Streblospio benedicti	567
05JAN94	E	Paraprionospio pinnata	1796
05JAN94	E	Apoprionospio pygmaea	95
05JAN94	E	Minuspio cirrifera	189
05JAN94	E	Haploscoloplos foliosus	567
05JAN94	E	Cossura delta	1324
05JAN94	E	Haminoea succinea	189
05JAN94	E	Nuculana acuta	567

05JAN94	E	Mulinia lateralis	22313
05JAN94	E	Balanus eburneus	95
05JAN94	E	Acteocina canaliculata	851
05JAN94	E	Paraonidae Grp. A	95
05JAN94	E	Ophiuroidea (unidentified)	189
05JAN94	E	Microprotopus spp.	95
05JAN94	E	Pyramidella crenulata	473
05JAN94	E	Hobsonia florida	95
05JAN94	E	Turbellaria (unidentified)	284
05JAN94	E	Oxyurostylis smithi	95
05JAN94	E	Mediomastus ambiseta	9927
05JAN94	E	Glycinde nordmanni	95
05JAN94	F	Rhynchocoela (unidentified)	189
05JAN94	F	Podarke obscura	95
05JAN94	F	Streblospio benedicti	1513
05JAN94	F	Paraprionospio pinnata	95
05JAN94	F	Haploscoloplos foliosus	378
05JAN94	F	Cossura delta	95
05JAN94	F	Mulinia lateralis	284
05JAN94	F	Ampelisca abdita	95
05JAN94	F	Ogyrides limicola	95
05JAN94	F	Phoronis architecta	189
05JAN94	F	Acteocina canaliculata	473
05JAN94	F	Pelecypoda (unidentified)	95
05JAN94	F	Macoma mitchelli	3498
05JAN94	F	Mediomastus ambiseta	2080
05JAN94	F	Glycinde nordmanni	95
07APR94	A	Rhynchocoela (unidentified)	95
07APR94	A	Oligochaetes (unidentified)	378
07APR94	A	Eteone heteropoda	189
07APR94	A	Streblospio benedicti	3120
07APR94	A	Capitella capitata	95
07APR94	A	Notomastus latericeus	95
07APR94	A	Nuculana acuta	95
07APR94	A	Mulinia lateralis	2458
07APR94	A	Cyclaspis varians	284
07APR94	A	Ampelisca abdita	95
07APR94	A	Mysidopsis sp.	95
07APR94	A	Macoma mitchelli	189
07APR94	A	Mediomastus ambiseta	7942
07APR94	A	Glycinde nordmanni	189
07APR94	B	Rhynchocoela (unidentified)	284
07APR94	B	Streblospio benedicti	662
07APR94	B	Haploscoloplos foliosus	284
07APR94	B	Cossura delta	95
07APR94	B	Mulinia lateralis	662
07APR94	B	Nereidae (unidentified)	95
07APR94	B	Macoma mitchelli	95
07APR94	B	Turbellaria (unidentified)	95
07APR94	B	Parandalia ocularis	95
07APR94	B	Mediomastus ambiseta	6051
07APR94	B	Glycinde nordmanni	756
07APR94	C	Rhynchocoela (unidentified)	95
07APR94	C	Sigambra tentaculata	95
07APR94	C	Gyptis vittata	95
07APR94	C	Podarke obscura	95
07APR94	C	Haploscoloplos foliosus	473

07APR94	C	Paraonidae Grp. A	95
07APR94	C	Paraonidae Grp. B	95
07APR94	C	Mediomastus ambiseta	1607
07APR94	C	Glycinde nordmanni	284
07APR94	D	Anthozoa (unidentified)	189
07APR94	D	Rhynchocoela (unidentified)	378
07APR94	D	Oligochaetes (unidentified)	756
07APR94	D	Paleanotus heteroseta	95
07APR94	D	Ancistrosyllis papillosa	95
07APR94	D	Glycera americana	95
07APR94	D	Diopatra cuprea	95
07APR94	D	Onuphis sp.	95
07APR94	D	Lumbrineris parvapedata	95
07APR94	D	Minuspio cirrifera	3404
07APR94	D	Haploscoloplos foliosus	95
07APR94	D	Cossura delta	473
07APR94	D	Cyclaspis varians	284
07APR94	D	Ampelisca abdita	95
07APR94	D	Ophiuroidea (unidentified)	378
07APR94	D	Sphaerosyllis sp. A	95
07APR94	D	Turbellaria (unidentified)	95
07APR94	D	Apseudes sp. A	95
07APR94	D	Periploma cf. orbiculare	378
07APR94	D	Sigambra cf. wassi	95
07APR94	D	Naineris sp. A	567
07APR94	D	Mediomastus ambiseta	3309
07APR94	E	Anthozoa (unidentified)	95
07APR94	E	Rhynchocoela (unidentified)	95
07APR94	E	Oligochaetes (unidentified)	189
07APR94	E	Eteone heteropoda	189
07APR94	E	Podarke obscura	473
07APR94	E	Lumbrineris parvapedata	189
07APR94	E	Streblospio benedicti	189
07APR94	E	Paraprionospio pinnata	1040
07APR94	E	Scolelepis texana	95
07APR94	E	Haploscoloplos foliosus	284
07APR94	E	Cossura delta	2364
07APR94	E	Nuculana acuta	1324
07APR94	E	Mulinia lateralis	3593
07APR94	E	Balanus eburneus	851
07APR94	E	Acteocina canaliculata	1229
07APR94	E	Paraonidae Grp. A	189
07APR94	E	Ophiuroidea (unidentified)	378
07APR94	E	Eulimostoma sp.	189
07APR94	E	Asychis elongata	189
07APR94	E	Oxyurostylis smithi	95
07APR94	E	Mediomastus ambiseta	8509
07APR94	E	Glycinde nordmanni	189
07APR94	F	Gyptis vittata	189
07APR94	F	Streblospio benedicti	567
07APR94	F	Paraprionospio pinnata	284
07APR94	F	Haploscoloplos foliosus	284
07APR94	F	Cossura delta	95
07APR94	F	Mulinia lateralis	567
07APR94	F	Cyclaspis varians	189
07APR94	F	Corophium louisianum	567
07APR94	F	Acteocina canaliculata	284

07APR94	F	Caecum pulchellum	95
07APR94	F	Macoma mitchelli	473
07APR94	F	Parandalia ocularis	95
07APR94	F	Mediomastus ambiseta	1324
07APR94	F	Glycinde nordmanni	95
07JUL94	A	Rhynchocoela (unidentified)	189
07JUL94	A	Streblospio benedicti	2458
07JUL94	A	Mulinia lateralis	189
07JUL94	A	Macoma mitchelli	95
07JUL94	A	Mysidopsis almyra	95
07JUL94	A	Littoridina sphinctostoma	95
07JUL94	A	Mediomastus ambiseta	4916
07JUL94	B	Rhynchocoela (unidentified)	284
07JUL94	B	Streblospio benedicti	1040
07JUL94	B	Haploscoloplos foliosus	189
07JUL94	B	Capitella capitata	95
07JUL94	B	Mulinia lateralis	284
07JUL94	B	Acteocina canaliculata	95
07JUL94	B	Sigambra cf. wassi	95
07JUL94	B	Mediomastus ambiseta	3404
07JUL94	C	Rhynchocoela (unidentified)	284
07JUL94	C	Gyptis vittata	284
07JUL94	C	Streblospio benedicti	473
07JUL94	C	Paraprionospio pinnata	662
07JUL94	C	Spiochaetopterus costarum	95
07JUL94	C	Haploscoloplos foliosus	189
07JUL94	C	Cossura delta	189
07JUL94	C	Schizocardium sp.	284
07JUL94	C	Cabira incerta	95
07JUL94	C	Leucon sp.	567
07JUL94	C	Turbellaria (unidentified)	95
07JUL94	C	Mediomastus ambiseta	1040
07JUL94	D	Rhynchocoela (unidentified)	95
07JUL94	D	Oligochaetes (unidentified)	2080
07JUL94	D	Eunoe cf. nodulosa	189
07JUL94	D	Paleanotus heteroseta	95
07JUL94	D	Sigambra bassi	189
07JUL94	D	Sigambra tentaculata	189
07JUL94	D	Gyptis vittata	662
07JUL94	D	Lumbrineris parvapedata	95
07JUL94	D	Polydora caulleryi	95
07JUL94	D	Paraprionospio pinnata	95
07JUL94	D	Minuspio cirrifera	1040
07JUL94	D	Cossura delta	189
07JUL94	D	Mysella planulata	95
07JUL94	D	Corbula contracta	95
07JUL94	D	Paraonidae Grp. B	95
07JUL94	D	Ophiuroidea (unidentified)	284
07JUL94	D	Hiatella arctica	189
07JUL94	D	Apseudes sp. A	851
07JUL94	D	Periploma cf. orbiculare	189
07JUL94	D	Naineris sp. A	189
07JUL94	D	Mediomastus ambiseta	2364
07JUL94	D	Paramya subovata	662
07JUL94	E	Rhynchocoela (unidentified)	95
07JUL94	E	Oligochaetes (unidentified)	567
07JUL94	E	Gyptis vittata	756

07JUL94	E	Glycinde solitaria	95
07JUL94	E	Lumbrineris parvapedata	189
07JUL94	E	Polydora caulleryi	473
07JUL94	E	Paraprionospio pinnata	378
07JUL94	E	Haploscoloplos foliosus	95
07JUL94	E	Cossura delta	1418
07JUL94	E	Mysella planulata	95
07JUL94	E	Schizocardium sp.	2647
07JUL94	E	Acteocina canaliculata	189
07JUL94	E	Nuculana concentrica	284
07JUL94	E	Pandora trilineata	95
07JUL94	E	Paraonidae Grp. A	189
07JUL94	E	Ophiuroidea (unidentified)	189
07JUL94	E	Turbellaria (unidentified)	284
07JUL94	E	Mediomastus ambiseta	7091
07JUL94	F	Rhynchocoela (unidentified)	95
07JUL94	F	Gyptis vittata	473
07JUL94	F	Glycinde solitaria	378
07JUL94	F	Polydora caulleryi	756
07JUL94	F	Paraprionospio pinnata	95
07JUL94	F	Minuspio cirrifera	95
07JUL94	F	Cossura delta	378
07JUL94	F	Cyclaspis varians	95
07JUL94	F	Schizocardium sp.	1135
07JUL94	F	Listriella barnardi	189
07JUL94	F	Turbellaria (unidentified)	95
07JUL94	F	Mediomastus ambiseta	2647
20OCT94	A	Glycinde solitaria	95
20OCT94	A	Streblospio benedicti	1040
20OCT94	A	Ampelisca abdita	95
20OCT94	A	Laeonereis culveri	95
20OCT94	A	Mediomastus ambiseta	2458
20OCT94	B	Gyptis vittata	95
20OCT94	B	Glycinde solitaria	95
20OCT94	B	Streblospio benedicti	189
20OCT94	B	Paraprionospio pinnata	95
20OCT94	B	Haploscoloplos foliosus	95
20OCT94	B	Ampelisca abdita	95
20OCT94	B	Parandalia ocularis	95
20OCT94	B	Mediomastus ambiseta	2364
20OCT94	C	Rhynchocoela (unidentified)	567
20OCT94	C	Gyptis vittata	189
20OCT94	C	Glycinde solitaria	95
20OCT94	C	Lumbrineris parvapedata	95
20OCT94	C	Polydora caulleryi	1040
20OCT94	C	Streblospio benedicti	95
20OCT94	C	Minuspio cirrifera	378
20OCT94	C	Cossura delta	189
20OCT94	C	Asychis sp.	95
20OCT94	C	Maldanidae (unidentified)	95
20OCT94	C	Nuculana acuta	95
20OCT94	C	Schizocardium sp.	95
20OCT94	C	Pyrgiscus sp.	95
20OCT94	C	Pinnixa sp.	95
20OCT94	C	Mediomastus ambiseta	4633
20OCT94	D	Rhynchocoela (unidentified)	473
20OCT94	D	Oligochaetes (unidentified)	567

20OCT94	D	Eunoe cf. nodulosa	473
20OCT94	D	Paleanotus heteroseta	189
20OCT94	D	Diopatra cuprea	95
20OCT94	D	Lumbrineris parvapedata	95
20OCT94	D	Paraprionospio pinnata	473
20OCT94	D	Minuspio cirrifera	1324
20OCT94	D	Cossura delta	189
20OCT94	D	Branchioasychis americana	95
20OCT94	D	Nuculana acuta	95
20OCT94	D	Mysella planulata	662
20OCT94	D	Tellina sp.	95
20OCT94	D	Ogyrides limicola	95
20OCT94	D	Nassarius acutus	95
20OCT94	D	Ophiuroidea (unidentified)	378
20OCT94	D	Armandia maculata	95
20OCT94	D	Pinnixa sp.	95
20OCT94	D	Hiatella arctica	95
20OCT94	D	Apseudes sp. A	1135
20OCT94	D	Naineris sp. A	95
20OCT94	D	Mediomastus ambiseta	3215
20OCT94	D	Paramya subovata	1985
20OCT94	E	Rhynchocoela (unidentified)	567
20OCT94	E	Gyptis vittata	851
20OCT94	E	Glycinde solitaria	95
20OCT94	E	Lumbrineris parvapedata	567
20OCT94	E	Polydora caulleryi	189
20OCT94	E	Paraprionospio pinnata	284
20OCT94	E	Minuspio cirrifera	1229
20OCT94	E	Cossura delta	189
20OCT94	E	Nuculana acuta	189
20OCT94	E	Schizocardium sp.	284
20OCT94	E	Listriella barnardi	95
20OCT94	E	Nereidae (unidentified)	189
20OCT94	E	Paraonidae Grp. A	95
20OCT94	E	Ophiuroidea (unidentified)	189
20OCT94	E	Turbellaria (unidentified)	95
20OCT94	E	Mediomastus ambiseta	2269
20OCT94	F	Rhynchocoela (unidentified)	189
20OCT94	F	Gyptis vittata	95
20OCT94	F	Polydora caulleryi	9360
20OCT94	F	Paraprionospio pinnata	95
20OCT94	F	Scolelepis texana	95
20OCT94	F	Haploscoloplos foliosus	189
20OCT94	F	Cossura delta	95
20OCT94	F	Mysella planulata	95
20OCT94	F	Schizocardium sp.	284
20OCT94	F	Parandalia ocularis	95
20OCT94	F	Mediomastus ambiseta	851
10JAN95	A	Rhynchocoela (unidentified)	95
10JAN95	A	Streblospio benedicti	473
10JAN95	A	Capitella capitata	284
10JAN95	A	Mulinia lateralis	95
10JAN95	A	Ampelisca abdita	95
10JAN95	A	Parandalia ocularis	95
10JAN95	A	Mediomastus ambiseta	2175
10JAN95	A	No species observed	0
10JAN95	B	Rhynchocoela (unidentified)	95

10JAN95	B	Streblospio benedicti	662
10JAN95	B	Tharyx setigera	95
10JAN95	B	Macoma mitchelli	95
10JAN95	B	Mediomastus ambiseta	4349
10JAN95	B	No species observed	0
10JAN95	C	Anthozoa (unidentified)	95
10JAN95	C	Rhynchocoela (unidentified)	284
10JAN95	C	Gyptis vittata	662
10JAN95	C	Glycinde solitaria	95
10JAN95	C	Polydora caulleryi	1324
10JAN95	C	Streblospio benedicti	567
10JAN95	C	Paraprionospio pinnata	95
10JAN95	C	Minuspio cirrifera	378
10JAN95	C	Aricidea fragilis	95
10JAN95	C	Maldanidae (unidentified)	189
10JAN95	C	Nuculana acuta	95
10JAN95	C	Schizocardium sp.	378
10JAN95	C	Mediomastus ambiseta	4916
10JAN95	D	Anthozoa (unidentified)	756
10JAN95	D	Rhynchocoela (unidentified)	473
10JAN95	D	Oligochaetes (unidentified)	1324
10JAN95	D	Sthenelais boa	189
10JAN95	D	Gyptis vittata	95
10JAN95	D	Glycinde solitaria	284
10JAN95	D	Polydora caulleryi	95
10JAN95	D	Minuspio cirrifera	1040
10JAN95	D	Tharyx setigera	95
10JAN95	D	Cossura delta	473
10JAN95	D	Branchioasychis americana	95
10JAN95	D	Nuculana acuta	189
10JAN95	D	Mysella planulata	473
10JAN95	D	Macoma tenta	95
10JAN95	D	Abra aequalis	95
10JAN95	D	Phascolion strombi	95
10JAN95	D	Schizocardium sp.	473
10JAN95	D	Listriella barnardi	95
10JAN95	D	Spionidae (unidentified)	95
10JAN95	D	Ophiuroidea (unidentified)	662
10JAN95	D	Hiatella arctica	95
10JAN95	D	Apseudes sp. A	95
10JAN95	D	Naineris sp. A	567
10JAN95	D	Mediomastus ambiseta	5956
10JAN95	D	Paramya subovata	1135
10JAN95	E	Rhynchocoela (unidentified)	284
10JAN95	E	Oligochaetes (unidentified)	378
10JAN95	E	Sthenelais boa	95
10JAN95	E	Sigambra tentaculata	284
10JAN95	E	Gyptis vittata	567
10JAN95	E	Polydora caulleryi	1135
10JAN95	E	Streblospio benedicti	378
10JAN95	E	Paraprionospio pinnata	189
10JAN95	E	Minuspio cirrifera	945
10JAN95	E	Haploscoloplos foliosus	95
10JAN95	E	Aricidea fragilis	473
10JAN95	E	Cossura delta	473
10JAN95	E	Nuculana acuta	95
10JAN95	E	Schizocardium sp.	378

10JAN95	E	Paraonis fulgens	95
10JAN95	E	Turbellaria (unidentified)	95
10JAN95	E	Mediomastus ambiseta	3971
10JAN95	F	Rhynchocoela (unidentified)	284
10JAN95	F	Gyptis vittata	756
10JAN95	F	Glycinde solitaria	95
10JAN95	F	Polydora caulleryi	22218
10JAN95	F	Streblospio benedicti	1702
10JAN95	F	Haploscoloplos foliosus	95
10JAN95	F	Cossura delta	284
10JAN95	F	Capitella capitata	95
10JAN95	F	Mysella planulata	284
10JAN95	F	Tellina sp.	95
10JAN95	F	Ostracoda	284
10JAN95	F	Schizocardium sp.	473
10JAN95	F	Mediomastus ambiseta	3120
06APR95	A	Anthozoa (unidentified)	95
06APR95	A	Rhynchocoela (unidentified)	284
06APR95	A	Streblospio benedicti	1135
06APR95	A	Capitella capitata	851
06APR95	A	Mulinia lateralis	3120
06APR95	A	Ostracoda	95
06APR95	A	Ampelisca abdita	95
06APR95	A	Laeonereis culveri	95
06APR95	A	Mediomastus ambiseta	10684
06APR95	B	Diopatra cuprea	95
06APR95	B	Streblospio benedicti	1702
06APR95	B	Mulinia lateralis	1702
06APR95	B	Ostracoda	95
06APR95	B	Mediomastus ambiseta	8604
06APR95	C	Anthozoa (unidentified)	95
06APR95	C	Rhynchocoela (unidentified)	189
06APR95	C	Sigambra bassi	284
06APR95	C	Gyptis vittata	95
06APR95	C	Diopatra cuprea	95
06APR95	C	Lumbrineris parvapedata	95
06APR95	C	Polydora caulleryi	95
06APR95	C	Streblospio benedicti	95
06APR95	C	Minuspio cirrifera	378
06APR95	C	Spiochaetopterus costarum	95
06APR95	C	Haploscoloplos foliosus	189
06APR95	C	Haploscoloplos fragilis	95
06APR95	C	Cossura delta	95
06APR95	C	Nuculana acuta	95
06APR95	C	Phascolion strombi	95
06APR95	C	Schizocardium sp.	95
06APR95	C	Nuculana concentrica	284
06APR95	C	Leucon sp.	95
06APR95	C	Aricidea catharinae	189
06APR95	C	Axiothells sp. A	189
06APR95	C	Oxyurostylis sp.	189
06APR95	C	Mediomastus ambiseta	4538
06APR95	D	Anthozoa (unidentified)	284
06APR95	D	Rhynchocoela (unidentified)	473
06APR95	D	Oligochaetes (unidentified)	1135
06APR95	D	Eunoe cf. nodulosa	189
06APR95	D	Anaitides erythrophyllus	95

06APR95	D	Sigambra bassi	189
06APR95	D	Sigambra tentaculata	284
06APR95	D	Gyptis vittata	189
06APR95	D	Syllis cornuta	95
06APR95	D	Glycinde solitaria	95
06APR95	D	Lumbrineris parvapedata	95
06APR95	D	Schistomeringos rudolphi	95
06APR95	D	Polydora socialis	378
06APR95	D	Polydora caulleryi	24771
06APR95	D	Paraprionospio pinnata	95
06APR95	D	Minuspio cirrifera	1702
06APR95	D	Magelona phyllisae	95
06APR95	D	Tharyx setigera	284
06APR95	D	Cossura delta	567
06APR95	D	Tellina sp.	95
06APR95	D	Abra aequalis	95
06APR95	D	Corbula contracta	95
06APR95	D	Phoronis architecta	95
06APR95	D	Schizocardium sp.	2080
06APR95	D	Listriella barnardi	95
06APR95	D	Ophiuroidea (unidentified)	284
06APR95	D	Pelecypoda (unidentified)	378
06APR95	D	Apseudes sp. A	284
06APR95	D	Oxyurostylis sp.	95
06APR95	D	Naineris sp. A	284
06APR95	D	Mediomastus ambiseta	13047
06APR95	D	Hesione picta	95
06APR95	E	Anthozoa (unidentified)	189
06APR95	E	Rhynchocoela (unidentified)	473
06APR95	E	Oligochaetes (unidentified)	284
06APR95	E	Sigambra tentaculata	95
06APR95	E	Gyptis vittata	945
06APR95	E	Glycinde solitaria	189
06APR95	E	Lumbrineris parvapedata	284
06APR95	E	Polydora caulleryi	1985
06APR95	E	Streblospio benedicti	284
06APR95	E	Paraprionospio pinnata	189
06APR95	E	Minuspio cirrifera	756
06APR95	E	Cossura delta	1040
06APR95	E	Maldane sarsi	95
06APR95	E	Schizocardium sp.	378
06APR95	E	Ophiuroidea (unidentified)	95
06APR95	E	Aricidea catharinae	189
06APR95	E	Mediomastus ambiseta	4255
06APR95	E	Ellucana secunda	567
06APR95	F	Rhynchocoela (unidentified)	189
06APR95	F	Oligochaetes (unidentified)	189
06APR95	F	Gyptis vittata	473
06APR95	F	Glycinde solitaria	189
06APR95	F	Polydora caulleryi	22502
06APR95	F	Streblospio benedicti	1891
06APR95	F	Paraprionospio pinnata	95
06APR95	F	Haploscoloplos fragilis	95
06APR95	F	Cossura delta	473
06APR95	F	Capitella capitata	378
06APR95	F	Ostracoda	189
06APR95	F	Phoronis architecta	189

06APR95	F	Turbellaria (unidentified)	378
06APR95	F	Mediomastus ambiseta	6807
06JUL95	A	Streblospio benedicti	473
06JUL95	A	Ampelisca abdita	95
06JUL95	A	Laeonereis culveri	95
06JUL95	A	Mediomastus ambiseta	4255
06JUL95	B	Rhynchocoela (unidentified)	95
06JUL95	B	Streblospio benedicti	473
06JUL95	B	Capitella capitata	95
06JUL95	B	Mulinia lateralis	95
06JUL95	B	Mediomastus ambiseta	4538
06JUL95	C	Rhynchocoela (unidentified)	378
06JUL95	C	Gyptis vittata	189
06JUL95	C	Glycinde solitaria	378
06JUL95	C	Lumbrineris parvapedata	95
06JUL95	C	Polydora caulleryi	4349
06JUL95	C	Streblospio benedicti	95
06JUL95	C	Minuspio cirrifera	95
06JUL95	C	Cossura delta	189
06JUL95	C	Mulinia lateralis	95
06JUL95	C	Ampelisca abdita	95
06JUL95	C	Ogyrides limicola	95
06JUL95	C	Cabira incerta	95
06JUL95	C	Pinnixa sp.	95
06JUL95	C	Leucon sp.	189
06JUL95	C	Asychis elongata	95
06JUL95	C	Aricidea catharinae	284
06JUL95	C	Oxyurostylis sp.	95
06JUL95	C	Mediomastus ambiseta	4255
06JUL95	D	Anthozoa (unidentified)	95
06JUL95	D	Rhynchocoela (unidentified)	378
06JUL95	D	Oligochaetes (unidentified)	2175
06JUL95	D	Gyptis vittata	284
06JUL95	D	Lumbrineris parvapedata	284
06JUL95	D	Polydora caulleryi	95
06JUL95	D	Paraprionospio pinnata	95
06JUL95	D	Minuspio cirrifera	756
06JUL95	D	Cossura delta	284
06JUL95	D	Mysella planulata	189
06JUL95	D	Corbula contracta	662
06JUL95	D	Phascolion strombi	95
06JUL95	D	Listriella barnardi	95
06JUL95	D	Ophiuroidea (unidentified)	284
06JUL95	D	Pinnixa sp.	284
06JUL95	D	Leucon sp.	95
06JUL95	D	Apseudes sp. A	1513
06JUL95	D	Periploma cf. orbiculare	378
06JUL95	D	Aricidea catharinae	95
06JUL95	D	Mediomastus ambiseta	4727
06JUL95	D	Eudorella sp.	95
06JUL95	D	Cirrophorus lyra	95
06JUL95	E	Oligochaetes (unidentified)	95
06JUL95	E	Sigambra bassi	284
06JUL95	E	Gyptis vittata	189
06JUL95	E	Glycinde solitaria	189
06JUL95	E	Lumbrineris parvapedata	95
06JUL95	E	Polydora caulleryi	1513

06JUL95	E	Streblospio benedicti	95
06JUL95	E	Paraprionospio pinnata	756
06JUL95	E	Minuspio cirrifera	473
06JUL95	E	Aricidea taylori	95
06JUL95	E	Cossura delta	284
06JUL95	E	Mysella planulata	95
06JUL95	E	Schizocardium sp.	284
06JUL95	E	Ophiuroidea (unidentified)	95
06JUL95	E	Pelecypoda (unidentified)	95
06JUL95	E	Turbellaria (unidentified)	95
06JUL95	E	Aricidea catharinae	189
06JUL95	E	Mediomastus ambiseta	2175
06JUL95	F	Rhynchocoela (unidentified)	189
06JUL95	F	Gyptis vittata	284
06JUL95	F	Glycinde solitaria	95
06JUL95	F	Polydora caulleryi	32808
06JUL95	F	Streblospio benedicti	1040
06JUL95	F	Paraprionospio pinnata	284
06JUL95	F	Cossura delta	95
06JUL95	F	Mysella planulata	189
06JUL95	F	Schizocardium sp.	189
06JUL95	F	Parandalia ocularis	284
06JUL95	F	Mediomastus ambiseta	9171
04OCT95	A	Glycinde solitaria	95
04OCT95	A	Mediomastus ambiseta	1513
04OCT95	B	Rhynchocoela (unidentified)	95
04OCT95	B	Streblospio benedicti	95
04OCT95	B	Paraprionospio pinnata	95
04OCT95	B	Cossura delta	95
04OCT95	B	Macoma mitchelli	95
04OCT95	B	Mediomastus ambiseta	2836
04OCT95	C	Rhynchocoela (unidentified)	284
04OCT95	C	Sigambra bassi	95
04OCT95	C	Gyptis vittata	284
04OCT95	C	Lumbrineris parvapedata	95
04OCT95	C	Polydora caulleryi	95
04OCT95	C	Streblospio benedicti	95
04OCT95	C	Paraprionospio pinnata	189
04OCT95	C	Spiochaetopterus costarum	95
04OCT95	C	Tharyx setigera	95
04OCT95	C	Maldanidae (unidentified)	662
04OCT95	C	Megalomma bioculatum	95
04OCT95	C	Mulinia lateralis	189
04OCT95	C	Paramphinome jeffreysii	95
04OCT95	C	Tellidora cristata	95
04OCT95	C	Leucon sp.	95
04OCT95	C	Periploma cf. orbiculare	95
04OCT95	C	Oxyurostylis sp.	95
04OCT95	C	Mediomastus ambiseta	4066
04OCT95	D	Rhynchocoela (unidentified)	284
04OCT95	D	Oligochaetes (unidentified)	95
04OCT95	D	Sigambra tentaculata	95
04OCT95	D	Gyptis vittata	95
04OCT95	D	Paraprionospio pinnata	189
04OCT95	D	Cossura delta	95
04OCT95	D	Ophiuroidea (unidentified)	189
04OCT95	D	Mediomastus ambiseta	3687

04OCT95	D	Eudorella sp.	95
04OCT95	D	Thyome mexicana	95
04OCT95	E	Rhynchocoela (unidentified)	378
04OCT95	E	Oligochaetes (unidentified)	378
04OCT95	E	Sigambra tentaculata	189
04OCT95	E	Gyptis vittata	851
04OCT95	E	Polydora caulleryi	1891
04OCT95	E	Paraprionospio pinnata	95
04OCT95	E	Minuspio cirrifera	378
04OCT95	E	Cossura delta	95
04OCT95	E	Mulinia lateralis	95
04OCT95	E	Ampelisca abdita	189
04OCT95	E	Schizocardium sp.	662
04OCT95	E	Listriella barnardi	95
04OCT95	E	Turbellaria (unidentified)	95
04OCT95	E	Aricidea catharinae	189
04OCT95	E	Caecum johnsoni	95
04OCT95	E	Mediomastus ambiseta	2931
04OCT95	F	Rhynchocoela (unidentified)	567
04OCT95	F	Sigambra bassi	95
04OCT95	F	Gyptis vittata	284
04OCT95	F	Polydora caulleryi	5389
04OCT95	F	Streblospio benedicti	95
04OCT95	F	Minuspio cirrifera	95
04OCT95	F	Cossura delta	95
04OCT95	F	Ophiuroidea (unidentified)	95
04OCT95	F	Gastropoda (unidentified)	95
04OCT95	F	Parandalia ocularis	284
04OCT95	F	Caecum johnsoni	95
04OCT95	F	Mediomastus ambiseta	3025
04OCT95	F	Malmgreniella taylori	95
09JAN96	A	Rhynchocoela (unidentified)	189
09JAN96	A	Oligochaetes (unidentified)	567
09JAN96	A	Streblospio benedicti	567
09JAN96	A	Cossura delta	95
09JAN96	A	Mulinia lateralis	95
09JAN96	A	Macoma mitchelli	378
09JAN96	A	Parandalia ocularis	2647
09JAN96	A	Mediomastus ambiseta	7942
09JAN96	A	No species observed	0
09JAN96	B	Oligochaetes (unidentified)	95
09JAN96	B	Gyptis vittata	95
09JAN96	B	Streblospio benedicti	284
09JAN96	B	Cossura delta	189
09JAN96	B	Nassarius vibex	95
09JAN96	B	Mulinia lateralis	95
09JAN96	B	Cyclaspis varians	95
09JAN96	B	Ampelisca abdita	95
09JAN96	B	Ogyrides limicola	95
09JAN96	B	Leucon sp.	95
09JAN96	B	Macoma mitchelli	473
09JAN96	B	Parandalia ocularis	95
09JAN96	B	Mediomastus ambiseta	5862
09JAN96	B	No species observed	0
09JAN96	C	Rhynchocoela (unidentified)	662
09JAN96	C	Anaitides erythrophyllus	189
09JAN96	C	Sigambra bassi	95

09JAN96	C	Gyptis vittata	284
09JAN96	C	Lumbrineris parvapedata	95
09JAN96	C	Polydora caulleryi	284
09JAN96	C	Paraprionospio pinnata	567
09JAN96	C	Spiochaetopterus costarum	95
09JAN96	C	Haploscoloplos foliosus	378
09JAN96	C	Aricidea fragilis	95
09JAN96	C	Cossura delta	284
09JAN96	C	Maldanidae (unidentified)	189
09JAN96	C	Pseudodiaptomus coronatus	95
09JAN96	C	Paramphinome jeffreysii	95
09JAN96	C	Acteocina canaliculata	95
09JAN96	C	Pyrgiscus sp.	284
09JAN96	C	Ophiuroidea (unidentified)	95
09JAN96	C	Sphaerosyllis sp. A	95
09JAN96	C	Molgula manhattensis	95
09JAN96	C	Asychis elongata	95
09JAN96	C	Caecum johnsoni	189
09JAN96	C	Mediomastus ambiseta	3404
09JAN96	C	Eudorella sp.	95
09JAN96	D	Anthozoa (unidentified)	851
09JAN96	D	Rhynchocoela (unidentified)	567
09JAN96	D	Oligochaetes (unidentified)	1418
09JAN96	D	Sigambra bassi	95
09JAN96	D	Sigambra tentaculata	189
09JAN96	D	Gyptis vittata	284
09JAN96	D	Diopatra cuprea	95
09JAN96	D	Lumbrineris parvapedata	95
09JAN96	D	Paraprionospio pinnata	189
09JAN96	D	Minuspio cirrifera	662
09JAN96	D	Cossura delta	378
09JAN96	D	Maldanidae (unidentified)	95
09JAN96	D	Schizocardium sp.	95
09JAN96	D	Ophiuroidea (unidentified)	284
09JAN96	D	Pelecypoda (unidentified)	284
09JAN96	D	Hiatella arctica	95
09JAN96	D	Megalops	95
09JAN96	D	Periploma cf. orbiculare	1418
09JAN96	D	Sigambra cf. wassi	95
09JAN96	D	Mediomastus ambiseta	3876
09JAN96	D	Malmgreniella taylori	189
09JAN96	D	Thyome mexicana	95
09JAN96	D	Cirrophorus lyra	95
09JAN96	E	Anthozoa (unidentified)	95
09JAN96	E	Rhynchocoela (unidentified)	95
09JAN96	E	Oligochaetes (unidentified)	378
09JAN96	E	Sigambra bassi	95
09JAN96	E	Gyptis vittata	473
09JAN96	E	Glycinde solitaria	95
09JAN96	E	Polydora caulleryi	284
09JAN96	E	Streblospio benedicti	95
09JAN96	E	Paraprionospio pinnata	95
09JAN96	E	Minuspio cirrifera	378
09JAN96	E	Cossura delta	567
09JAN96	E	Nuculana acuta	189
09JAN96	E	Phascolion strombi	95
09JAN96	E	Schizocardium sp.	378

09JAN96	E	Ophiuroidea (unidentified)	378
09JAN96	E	Armandia maculata	284
09JAN96	E	Aricidea catharinae	95
09JAN96	E	Mediomastus ambiseta	2269
09JAN96	E	Cirrophorus lyra	189
09JAN96	F	Rhynchocoela (unidentified)	95
09JAN96	F	Gyptis vittata	284
09JAN96	F	Glycinde solitaria	95
09JAN96	F	Polydora caulleryi	2742
09JAN96	F	Streblospio benedicti	1985
09JAN96	F	Paraprionospio pinnata	95
09JAN96	F	Haploscoloplos foliosus	473
09JAN96	F	Cossura delta	95
09JAN96	F	Mysella planulata	95
09JAN96	F	Schizocardium sp.	189
09JAN96	F	Macoma mitchelli	189
09JAN96	F	Caecum johnsoni	95
09JAN96	F	Mediomastus ambiseta	8982
02APR96	A	Rhynchocoela (unidentified)	95
02APR96	A	Streblospio benedicti	189
02APR96	A	Ampelisca abdita	189
02APR96	A	Acteocina canaliculata	378
02APR96	A	Macoma mitchelli	473
02APR96	A	Parandalia ocularis	189
02APR96	A	Mediomastus ambiseta	6240
02APR96	B	Rhynchocoela (unidentified)	95
02APR96	B	Oligochaetes (unidentified)	189
02APR96	B	Cossura delta	189
02APR96	B	Mulinia lateralis	1702
02APR96	B	Ostracoda	284
02APR96	B	Ampelisca abdita	95
02APR96	B	Acteocina canaliculata	378
02APR96	B	Microprotopus spp.	95
02APR96	B	Macoma mitchelli	567
02APR96	B	Mediomastus ambiseta	3971
02APR96	C	Rhynchocoela (unidentified)	95
02APR96	C	Sigambra bassi	95
02APR96	C	Sigambra tentaculata	95
02APR96	C	Gyptis vittata	473
02APR96	C	Lumbrineris parvapedata	189
02APR96	C	Tharyx setigera	95
02APR96	C	Cossura delta	95
02APR96	C	Notomastus latericeus	95
02APR96	C	Maldanidae (unidentified)	95
02APR96	C	Nuculana acuta	95
02APR96	C	Mysella planulata	473
02APR96	C	Schizocardium sp.	378
02APR96	C	Acteocina canaliculata	189
02APR96	C	Pyrgiscus sp.	95
02APR96	C	Pandora trilineata	95
02APR96	C	Terebellidae (unidentified)	95
02APR96	C	Ophiuroidea (unidentified)	95
02APR96	C	Eulimostoma sp.	95
02APR96	C	Asychis elongata	95
02APR96	C	Rictaxis punctostriatus	95
02APR96	C	Mediomastus ambiseta	2458
02APR96	C	Cirrophorus lyra	95

02APR96	D	Anthozoa (unidentified)	945
02APR96	D	Rhynchocoela (unidentified)	473
02APR96	D	Oligochaetes (unidentified)	851
02APR96	D	Sigambra bassi	95
02APR96	D	Sigambra tentaculata	95
02APR96	D	Glycinde solitaria	95
02APR96	D	Lumbrineris parvapedata	567
02APR96	D	Minuspio cirrifera	756
02APR96	D	Magelona phyllisae	95
02APR96	D	Cossura delta	378
02APR96	D	Notomastus latericeus	95
02APR96	D	Corbula contracta	662
02APR96	D	Phascolion strombi	189
02APR96	D	Ophiuroidea (unidentified)	189
02APR96	D	Pelecypoda (unidentified)	378
02APR96	D	Sarsiella texana	95
02APR96	D	Apseudes sp. A	1513
02APR96	D	Periploma cf. orbiculare	378
02APR96	D	Aricidea catharinae	95
02APR96	D	Mediomastus ambiseta	6713
02APR96	E	Anthozoa (unidentified)	189
02APR96	E	Rhynchocoela (unidentified)	189
02APR96	E	Oligochaetes (unidentified)	95
02APR96	E	Sigambra bassi	95
02APR96	E	Gyptis vittata	284
02APR96	E	Polydora caulleryi	95
02APR96	E	Minuspio cirrifera	95
02APR96	E	Haploscoloplos foliosus	189
02APR96	E	Schizocardium sp.	95
02APR96	E	Ancistrosyllis groenlandica	95
02APR96	E	Ophiuroidea (unidentified)	662
02APR96	E	Sphaerosyllis sp. A	95
02APR96	E	Hiatella arctica	95
02APR96	E	Aricidea catharinae	189
02APR96	E	Caecum johnsoni	189
02APR96	E	Mediomastus ambiseta	1418
02APR96	F	Rhynchocoela (unidentified)	378
02APR96	F	Gyptis vittata	189
02APR96	F	Glycinde solitaria	95
02APR96	F	Polydora caulleryi	1135
02APR96	F	Streblospio benedicti	2080
02APR96	F	Haploscoloplos foliosus	189
02APR96	F	Cossura delta	567
02APR96	F	Pectinaria gouldii	95
02APR96	F	Mulinia lateralis	189
02APR96	F	Ostracoda	284
02APR96	F	Ampelisca abdita	95
02APR96	F	Schizocardium sp.	189
02APR96	F	Acteocina canaliculata	95
02APR96	F	Eulimostoma sp.	189
02APR96	F	Parandalia ocularis	95
02APR96	F	Mediomastus ambiseta	3593
09JUL96	A	Gyptis vittata	95
09JUL96	A	Streblospio benedicti	6618
09JUL96	A	Haploscoloplos fragilis	189
09JUL96	A	Mulinia lateralis	95
09JUL96	A	Cyclaspis varians	95

09JUL96	A	Mediomastus ambiseta	2647
09JUL96	A	Eulimastoma cf. teres	95
09JUL96	B	Glycinde solitaria	189
09JUL96	B	Streblospio benedicti	1324
09JUL96	B	Paraprionospio pinnata	95
09JUL96	B	Haploscoloplos fragilis	95
09JUL96	B	Cossura delta	756
09JUL96	B	Maldanidae (unidentified)	95
09JUL96	B	Mulinia lateralis	95
09JUL96	B	Acteocina canaliculata	284
09JUL96	B	Leucon sp.	95
09JUL96	B	Mediomastus ambiseta	5011
09JUL96	C	Oligochaetes (unidentified)	95
09JUL96	C	Glycinde solitaria	95
09JUL96	C	Streblospio benedicti	189
09JUL96	C	Paraprionospio pinnata	189
09JUL96	C	Cossura delta	95
09JUL96	C	Mediomastus californiensis	95
09JUL96	C	Monoculodes sp.	95
09JUL96	C	Mysidopsis almyra	95
09JUL96	C	Mediomastus ambiseta	189
09JUL96	C	No species observed	0
09JUL96	D	Anthozoa (unidentified)	95
09JUL96	D	Rhynchocoela (unidentified)	473
09JUL96	D	Oligochaetes (unidentified)	945
09JUL96	D	Paleanotus heteroseta	95
09JUL96	D	Diopatra cuprea	95
09JUL96	D	Drilonereis magna	95
09JUL96	D	Minuspio cirrifera	95
09JUL96	D	Cossura delta	378
09JUL96	D	Mulinia lateralis	95
09JUL96	D	Macoma tenta	95
09JUL96	D	Corbula contracta	189
09JUL96	D	Ophiuroidea (unidentified)	189
09JUL96	D	Apseudes sp. A	3498
09JUL96	D	Periploma cf. orbiculare	473
09JUL96	D	Naineris sp. A	189
09JUL96	D	Mediomastus ambiseta	2931
09JUL96	D	Malmgreniella taylori	284
09JUL96	E	Rhynchocoela (unidentified)	95
09JUL96	E	Oligochaetes (unidentified)	567
09JUL96	E	Sigambra bassi	189
09JUL96	E	Sigambra tentaculata	95
09JUL96	E	Gyptis vittata	189
09JUL96	E	Drilonereis magna	95
09JUL96	E	Paraprionospio pinnata	189
09JUL96	E	Minuspio cirrifera	95
09JUL96	E	Aricidea fragilis	284
09JUL96	E	Cossura delta	378
09JUL96	E	Mysella planulata	95
09JUL96	E	Schizocardium sp.	95
09JUL96	E	Listriella barnardi	95
09JUL96	E	Ophiuroidea (unidentified)	378
09JUL96	E	Periploma cf. orbiculare	95
09JUL96	E	Aricidea catharinae	756
09JUL96	E	Mediomastus ambiseta	1985
09JUL96	E	Eudorella sp.	95

09JUL96	E	Cirrophorus lyra	95
09JUL96	F	Rhynchocoela (unidentified)	95
09JUL96	F	Gyptis vittata	95
09JUL96	F	Glycinde solitaria	284
09JUL96	F	Lumbrineris parvapedata	95
09JUL96	F	Streblospio benedicti	378
09JUL96	F	Paraprionospio pinnata	284
09JUL96	F	Spiochaetopterus costarum	95
09JUL96	F	Haploscoloplos fragilis	189
09JUL96	F	Cossura delta	662
09JUL96	F	Lepton sp.	189
09JUL96	F	Ogyrides limicola	95
09JUL96	F	Acteocina canaliculata	95
09JUL96	F	Parandalia ocularis	378
09JUL96	F	Mediomastus ambiseta	1229
14OCT96	A	Rhynchocoela (unidentified)	95
14OCT96	A	Sigambra bassi	95
14OCT96	A	Streblospio benedicti	662
14OCT96	A	Cossura delta	95
14OCT96	A	Parandalia ocularis	95
14OCT96	A	Mediomastus ambiseta	1702
14OCT96	B	Rhynchocoela (unidentified)	95
14OCT96	B	Streblospio benedicti	1324
14OCT96	B	Cossura delta	378
14OCT96	B	Leucon sp.	189
14OCT96	B	Mysidopsis almyra	95
14OCT96	B	Mediomastus ambiseta	3404
14OCT96	C	Oligochaetes (unidentified)	95
14OCT96	C	Sigambra bassi	189
14OCT96	C	Streblospio benedicti	945
14OCT96	C	Paraprionospio pinnata	284
14OCT96	C	Nuculana acuta	95
14OCT96	C	Mulinia lateralis	95
14OCT96	C	Mediomastus ambiseta	945
14OCT96	C	Eudorella sp.	95
14OCT96	D	Anthozoa (unidentified)	95
14OCT96	D	Rhynchocoela (unidentified)	662
14OCT96	D	Oligochaetes (unidentified)	1607
14OCT96	D	Paleanotus heteroseta	189
14OCT96	D	Gyptis vittata	662
14OCT96	D	Schistomeringos rudolphi	95
14OCT96	D	Polydora caulleryi	1135
14OCT96	D	Paraprionospio pinnata	662
14OCT96	D	Minuspio cirrifera	1324
14OCT96	D	Cossura delta	756
14OCT96	D	Mysella planulata	95
14OCT96	D	Abra aequalis	95
14OCT96	D	Corbula contracta	1418
14OCT96	D	Phascolion strombi	189
14OCT96	D	Listriella barnardi	189
14OCT96	D	Sabellidae (unidentified)	189
14OCT96	D	Ophiuroidea (unidentified)	95
14OCT96	D	Pinnixa sp.	189
14OCT96	D	Leucon sp.	95
14OCT96	D	Apseudes sp. A	2175
14OCT96	D	Periploma cf. orbiculare	1513
14OCT96	D	Mediomastus ambiseta	9644

14OCT96	D	Malmgreniella taylori	189
14OCT96	D	Ninoe nigripes	95
14OCT96	D	Cirrophorus lyra	95
14OCT96	E	Rhynchocoela (unidentified)	189
14OCT96	E	Oligochaetes (unidentified)	95
14OCT96	E	Gyptis vittata	1229
14OCT96	E	Diopatra cuprea	95
14OCT96	E	Lumbrineris parvapedata	378
14OCT96	E	Streblospio benedicti	378
14OCT96	E	Paraprionospio pinnata	567
14OCT96	E	Minuspio cirrifera	1229
14OCT96	E	Cossura delta	1040
14OCT96	E	Maldanidae (unidentified)	95
14OCT96	E	Nuculana acuta	662
14OCT96	E	Abra aequalis	95
14OCT96	E	Pseudodiaptomus coronatus	378
14OCT96	E	Ancistrosyllis groenlandica	95
14OCT96	E	Ophiuroidea (unidentified)	284
14OCT96	E	Armandia maculata	567
14OCT96	E	Sphaerosyllis sp. A	95
14OCT96	E	Hemicyclops sp.	95
14OCT96	E	Periploma cf. orbiculare	284
14OCT96	E	Mediomastus ambiseta	13331
14OCT96	E	Eudorella sp.	189
14OCT96	E	Malmgreniella taylori	95
14OCT96	F	Rhynchocoela (unidentified)	189
14OCT96	F	Gyptis vittata	189
14OCT96	F	Glycinde solitaria	284
14OCT96	F	Diopatra cuprea	95
14OCT96	F	Streblospio benedicti	95
14OCT96	F	Paraprionospio pinnata	284
14OCT96	F	Spiochaetopterus costarum	95
14OCT96	F	Tharyx setigera	95
14OCT96	F	Scoloplos texana	95
14OCT96	F	Cossura delta	945
14OCT96	F	Odostomia sp.	95
14OCT96	F	Mulinia lateralis	95
14OCT96	F	Pseudodiaptomus coronatus	284
14OCT96	F	Ampelisca abdita	189
14OCT96	F	Phoronis architecta	95
14OCT96	F	Listriella barnardi	95
14OCT96	F	Nassarius acutus	95
14OCT96	F	Ophiuroidea (unidentified)	284
14OCT96	F	Pelecypoda (unidentified)	95
14OCT96	F	Caecum johnsoni	95
14OCT96	F	Rictaxis punctostriatus	95
14OCT96	F	Mediomastus ambiseta	3215
25JAN97	A	Rhynchocoela (unidentified)	284
25JAN97	A	Streblospio benedicti	1513
25JAN97	A	Haploscoloplos foliosus	284
25JAN97	A	Heteromastus filiformis	95
25JAN97	A	Mulinia lateralis	473
25JAN97	A	Ostracoda	189
25JAN97	A	Nassarius acutus	95
25JAN97	A	Macoma mitchelli	189
25JAN97	A	Mediomastus ambiseta	3404
25JAN97	A	No species observed	0

25JAN97	B	Anthozoa (unidentified)	95
25JAN97	B	Gyptis vittata	95
25JAN97	B	Streblospio benedicti	851
25JAN97	B	Mulinia lateralis	567
25JAN97	B	Ostracoda	378
25JAN97	B	Pandora trilineata	95
25JAN97	B	Macoma mitchelli	284
25JAN97	B	Mediomastus ambiseta	2269
25JAN97	B	No species observed	0
25JAN97	C	Rhynchocoela (unidentified)	95
25JAN97	C	Lumbrineris parvapedata	95
25JAN97	C	Streblospio benedicti	284
25JAN97	C	Paraprionospio pinnata	189
25JAN97	C	Cossura delta	95
25JAN97	C	Nuculana acuta	95
25JAN97	C	Mulinia lateralis	945
25JAN97	C	Acteocina canaliculata	95
25JAN97	C	Nuculana concentrica	189
25JAN97	C	Pandora trilineata	95
25JAN97	C	Ophiuroidea (unidentified)	95
25JAN97	C	Eulimostoma sp.	473
25JAN97	C	Asychis elongata	95
25JAN97	C	Mediomastus ambiseta	1891
25JAN97	D	Rhynchocoela (unidentified)	851
25JAN97	D	Oligochaetes (unidentified)	1229
25JAN97	D	Paleanotus heteroseta	851
25JAN97	D	Sigambra tentaculata	95
25JAN97	D	Gyptis vittata	378
25JAN97	D	Glycinde solitaria	95
25JAN97	D	Lumbrineris parvapedata	95
25JAN97	D	Streblospio benedicti	189
25JAN97	D	Minuspio cirrifera	3025
25JAN97	D	Cossura delta	284
25JAN97	D	Nuculana acuta	95
25JAN97	D	Abra aequalis	378
25JAN97	D	Corbula contracta	2458
25JAN97	D	Pseudodiaptomus coronatus	95
25JAN97	D	Ancistrosyllis groenlandica	284
25JAN97	D	Ophiuroidea (unidentified)	189
25JAN97	D	Pelecypoda (unidentified)	1513
25JAN97	D	Macoma sp.	189
25JAN97	D	Apseudes sp. A	2647
25JAN97	D	Periploma cf. orbiculare	189
25JAN97	D	Aricidea catharinae	95
25JAN97	D	Caecum johnsoni	95
25JAN97	D	Naineris sp. A	95
25JAN97	D	Mediomastus ambiseta	2553
25JAN97	D	Eudorella sp.	284
25JAN97	E	Rhynchocoela (unidentified)	284
25JAN97	E	Oligochaetes (unidentified)	189
25JAN97	E	Sigambra tentaculata	284
25JAN97	E	Gyptis vittata	284
25JAN97	E	Glycinde solitaria	95
25JAN97	E	Lumbrineris parvapedata	473
25JAN97	E	Streblospio benedicti	95
25JAN97	E	Paraprionospio pinnata	189
25JAN97	E	Minuspio cirrifera	473

25JAN97	E	Cossura delta	945
25JAN97	E	Branchioasychis americana	189
25JAN97	E	Maldanidae (unidentified)	95
25JAN97	E	Nuculana acuta	473
25JAN97	E	Mulinia lateralis	378
25JAN97	E	Listriella barnardi	95
25JAN97	E	Ophiuroidea (unidentified)	95
25JAN97	E	Sphaerosyllis sp. A	95
25JAN97	E	Nudibranchia (unidentified)	95
25JAN97	E	Aricidea catharinae	189
25JAN97	E	Mediomastus ambiseta	3971
25JAN97	E	Eudorella sp.	284
25JAN97	F	Diopatra cuprea	189
25JAN97	F	Lumbrineris parvapedata	473
25JAN97	F	Paraprionospio pinnata	284
25JAN97	F	Spiochaetopterus costarum	95
25JAN97	F	Haploscoloplos foliosus	189
25JAN97	F	Cossura delta	473
25JAN97	F	Nuculana acuta	189
25JAN97	F	Mulinia lateralis	567
25JAN97	F	Ostracoda	945
25JAN97	F	Mysidopsis bigelowi	95
25JAN97	F	Cyclaspis varians	95
25JAN97	F	Acteocina canaliculata	95
25JAN97	F	Eulimostoma sp.	189
25JAN97	F	Solen viridis	95
25JAN97	F	Asychis elongata	189
25JAN97	F	Macoma mitchelli	378
25JAN97	F	Diastylis sp.	95
25JAN97	F	Caecum johnsoni	95
25JAN97	F	Rictaxis punctostriatus	189
25JAN97	F	Naineris sp. A	95
25JAN97	F	Mediomastus ambiseta	3215
25JAN97	F		95
15APR97	A	Rhynchocoela (unidentified)	95
15APR97	A	Oligochaetes (unidentified)	95
15APR97	A	Streblospio benedicti	189
15APR97	A	Mediomastus californiensis	189
15APR97	A	Mulinia lateralis	284
15APR97	A	Corophium louisianum	95
15APR97	A	Macoma mitchelli	284
15APR97	A	Hobsonia florida	95
15APR97	A	Parandalia ocularis	95
15APR97	A	Mediomastus ambiseta	3593
15APR97	A		95
15APR97	B	Rhynchocoela (unidentified)	95
15APR97	B	Polydora ligni	95
15APR97	B	Streblospio benedicti	473
15APR97	B	Haploscoloplos fragilis	284
15APR97	B	Cossura delta	378
15APR97	B	Ostracoda	473
15APR97	B	Ampelisca abdita	95
15APR97	B	Macoma mitchelli	189
15APR97	B	Hobsonia florida	95
15APR97	B	Mediomastus ambiseta	2836
15APR97	B		1135
15APR97	C	Rhynchocoela (unidentified)	189

15APR97	C	Oligochaetes (unidentified)	95
15APR97	C	Gyptis vittata	284
15APR97	C	Streblospio benedicti	189
15APR97	C	Paraprionospio pinnata	189
15APR97	C	Tharyx setigera	95
15APR97	C	Haploscoloplos fragilis	95
15APR97	C	Cossura delta	189
15APR97	C	Capitella capitata	95
15APR97	C	Maldanidae (unidentified)	189
15APR97	C	Mulinia lateralis	189
15APR97	C	Pandora trilineata	189
15APR97	C	Paraonidae Grp. A	95
15APR97	C	Eulimostoma sp.	284
15APR97	C	Turbellaria (unidentified)	378
15APR97	C	Caecum johnsoni	95
15APR97	C	Mediomastus ambiseta	1985
15APR97	D	Rhynchocoela (unidentified)	284
15APR97	D	Oligochaetes (unidentified)	1229
15APR97	D	Sigambra tentaculata	95
15APR97	D	Gyptis vittata	95
15APR97	D	Glycera americana	95
15APR97	D	Polydora caulleryi	95
15APR97	D	Paraprionospio pinnata	284
15APR97	D	Minuspio cirrifera	1796
15APR97	D	Cossura delta	473
15APR97	D	Notomastus latericeus	95
15APR97	D	Mysella planulata	95
15APR97	D	Mulinia lateralis	95
15APR97	D	Abra aequalis	95
15APR97	D	Corbula contracta	756
15APR97	D	Periploma margaritaceum	473
15APR97	D	Phoronis architecta	95
15APR97	D	Ophiuroidea (unidentified)	189
15APR97	D	Apseudes sp. A	945
15APR97	D	Mediomastus ambiseta	5011
15APR97	D	Malmgreniella taylori	95
15APR97	E	Rhynchocoela (unidentified)	95
15APR97	E	Oligochaetes (unidentified)	567
15APR97	E	Sigambra tentaculata	473
15APR97	E	Gyptis vittata	473
15APR97	E	Paraprionospio pinnata	284
15APR97	E	Minuspio cirrifera	189
15APR97	E	Cossura delta	1796
15APR97	E	Nuculana acuta	378
15APR97	E	Corbula contracta	95
15APR97	E	Ancistrosyllis groenlandica	95
15APR97	E	Pandora trilineata	95
15APR97	E	Ophiuroidea (unidentified)	95
15APR97	E	Apseudes sp. A	95
15APR97	E	Periploma cf. orbiculare	284
15APR97	E	Aricidea catharinae	95
15APR97	E	Caecum johnsoni	378
15APR97	E	Mediomastus ambiseta	3215
15APR97	E	Aricidea bryani	284
15APR97	E	Cirrophorus lyra	189
15APR97	F	Rhynchocoela (unidentified)	189
15APR97	F	Streblospio benedicti	567

15APR97	F	Haploscoloplos fragilis	473
15APR97	F	Cossura delta	284
15APR97	F	Capitella capitata	95
15APR97	F	Ostracoda	95
15APR97	F	Macoma mitchelli	95
15APR97	F	Parandalia ocularis	189
15APR97	F	Sigambra cf. wassi	95
15APR97	F	Mediomastus ambiseta	1607
09JUL97	E	Oligochaetes (unidentified)	284
09JUL97	E	Sigambra tentaculata	378
09JUL97	E	Paraprionospio pinnata	95
09JUL97	E	Cossura delta	1513
09JUL97	E	Cirrophorus lyra	95
09JUL97	F	Rhynchocoela (unidentified)	95
09JUL97	F	Streblospio benedicti	662
09JUL97	F	Parandalia ocularis	189
09JUL97	F	Mediomastus ambiseta	1702

Guadalupe Estuary

Date	STA	Species	nm^2
28JAN87	A	Oligochaetes (unidentified)	95
28JAN87	A	Streblospio benedicti	3214
28JAN87	A	Capitella capitata	284
28JAN87	A	Mediomastus californiensis	7846
28JAN87	A	Monoculodes sp.	95
28JAN87	A	Macoma mitchelli	2080
28JAN87	A	Hobsonia florida	95
28JAN87	A	Littoridina sphinctostoma	95
28JAN87	A	Parandalia ocularis	95
28JAN87	B	Rhynchocoela (unidentified)	473
28JAN87	B	Oligochaetes (unidentified)	95
28JAN87	B	Polydora socialis	95
28JAN87	B	Streblospio benedicti	3214
28JAN87	B	Capitella capitata	284
28JAN87	B	Mediomastus californiensis	13802
28JAN87	B	Mulinia lateralis	284
28JAN87	B	Edotea montosa	95
28JAN87	B	Monoculodes sp.	756
28JAN87	B	Macoma mitchelli	1702
28JAN87	B	Littoridina sphinctostoma	1323
30JAN87	C	Rhynchocoela (unidentified)	95
30JAN87	C	Gyptis vittata	95
30JAN87	C	Glycinde solitaria	189
30JAN87	C	Polydora caulleryi	95
30JAN87	C	Streblospio benedicti	378
30JAN87	C	Paraprionospio pinnata	378
30JAN87	C	Haploscoloplos foliosus	1796
30JAN87	C	Cossura delta	378
30JAN87	C	Mediomastus californiensis	4065
30JAN87	C	Axiothella mucosa	95
30JAN87	C	Mulinia lateralis	95
30JAN87	C	Cyclaspis varians	189
30JAN87	C	Ampelisca abdita	95
30JAN87	C	Monoculodes sp.	189

30JAN87	C	Macoma mitchelli	473
30JAN87	D	Neanthes succinea	95
30JAN87	D	Polydora caulleryi	95
30JAN87	D	Streblospio benedicti	95
30JAN87	D	Paraprionospio pinnata	189
30JAN87	D	Haploscoloplos foliosus	95
30JAN87	D	Mediomastus californiensis	3498
30JAN87	D	Cyclaspis varians	378
30JAN87	D	Xenanthura brevitelson	95
30JAN87	D	Macoma mitchelli	1702
30JAN87	D	Pyramidella sp.	189
04MAR87	A	Rhynchocoela (unidentified)	95
04MAR87	A	Oligochaetes (unidentified)	662
04MAR87	A	Streblospio benedicti	4821
04MAR87	A	Capitella capitata	95
04MAR87	A	Mediomastus californiensis	2931
04MAR87	A	Mulinia lateralis	4821
04MAR87	A	Macoma mitchelli	189
04MAR87	A	Hobsonia florida	473
04MAR87	A	Rangia cuneata	95
04MAR87	A	Turbellaria (unidentified)	95
04MAR87	A	Littoridina sphinctostoma	24579
04MAR87	A	Parandalia ocularis	95
04MAR87	B	Rhynchocoela (unidentified)	189
04MAR87	B	Streblospio benedicti	3687
04MAR87	B	Capitella capitata	95
04MAR87	B	Mediomastus californiensis	9642
04MAR87	B	Mulinia lateralis	1323
04MAR87	B	Monoculodes sp.	95
04MAR87	B	Macoma mitchelli	1891
04MAR87	B	Littoridina sphinctostoma	2080
04MAR87	C	Glycinde solitaria	473
04MAR87	C	Diopatra cuprea	95
04MAR87	C	Streblospio benedicti	284
04MAR87	C	Haploscoloplos foliosus	1702
04MAR87	C	Cossura delta	284
04MAR87	C	Mediomastus californiensis	4254
04MAR87	C	Axiothella mucosa	189
04MAR87	C	Pectinaria gouldii	95
04MAR87	C	Mulinia lateralis	1891
04MAR87	C	Ampelisca abdita	95
04MAR87	C	Gammarus mucronatus	284
04MAR87	C	Monoculodes sp.	567
04MAR87	C	Leucon sp.	95
04MAR87	C	Macoma mitchelli	284
04MAR87	D	Streblospio benedicti	1229
04MAR87	D	Paraprionospio pinnata	378
04MAR87	D	Haploscoloplos foliosus	95
04MAR87	D	Cossura delta	378
04MAR87	D	Capitella capitata	95
04MAR87	D	Mediomastus californiensis	4065
04MAR87	D	Mulinia lateralis	2458
04MAR87	D	Macoma mitchelli	1702
04MAR87	D	Pyramidella sp.	95
08APR87	A	Rhynchocoela (unidentified)	95
08APR87	A	Oligochaetes (unidentified)	1513
08APR87	A	Streblospio benedicti	2931

08APR87	A	Mediomastus californiensis	3025
08APR87	A	Mulinia lateralis	3781
08APR87	A	Chironomid larvae	95
08APR87	A	Macoma mitchelli	662
08APR87	A	Hobsonia florida	10115
08APR87	A	Turbellaria (unidentified)	189
08APR87	A	Littoridina sphinctostoma	36301
08APR87	A	Parandalia ocularis	95
08APR87	B	Rhynchocoela (unidentified)	95
08APR87	B	Oligochaetes (unidentified)	95
08APR87	B	Streblospio benedicti	1607
08APR87	B	Capitella capitata	95
08APR87	B	Mediomastus californiensis	9075
08APR87	B	Mulinia lateralis	3970
08APR87	B	Edotea montosa	95
08APR87	B	Corophium louisianum	95
08APR87	B	Monoculodes sp.	95
08APR87	B	Brachidontes exustus	662
08APR87	B	Macoma mitchelli	95
08APR87	B	Hobsonia florida	1229
08APR87	B	Littoridina sphinctostoma	3025
08APR87	B	Cassidinidea lunifrons	95
10APR87	C	Polydora socialis	945
10APR87	C	Streblospio benedicti	1323
10APR87	C	Cossura delta	189
10APR87	C	Mediomastus californiensis	5767
10APR87	C	Mulinia lateralis	189
10APR87	C	Edotea montosa	95
10APR87	C	Corophium louisianum	95
10APR87	C	Monoculodes sp.	662
10APR87	C	Macoma mitchelli	567
10APR87	C	Turbellaria (unidentified)	1513
10APR87	C	Tagelus plebeius	284
10APR87	D	Eteone heteropoda	95
10APR87	D	Streblospio benedicti	2363
10APR87	D	Paraprionospio pinnata	95
10APR87	D	Cossura delta	189
10APR87	D	Mediomastus californiensis	3687
10APR87	D	Mulinia lateralis	851
10APR87	D	Monoculodes sp.	378
10APR87	D	Phoronis architecta	284
10APR87	D	Capitellidae (unidentified)	284
10APR87	D	Macoma mitchelli	378
10APR87	D	Turbellaria (unidentified)	378
10APR87	D	Tagelus plebeius	189
10APR87	D	Littoridina sphinctostoma	95
03JUN87	A	Oligochaetes (unidentified)	473
03JUN87	A	Streblospio benedicti	284
03JUN87	A	Mediomastus californiensis	2174
03JUN87	A	Mulinia lateralis	3403
03JUN87	A	Chironomid larvae	473
03JUN87	A	Hobsonia florida	95
03JUN87	A	Littoridina sphinctostoma	50953
03JUN87	A	Parandalia ocularis	95
03JUN87	B	Streblospio benedicti	1607
03JUN87	B	Mediomastus californiensis	6428
03JUN87	B	Mulinia lateralis	1323

03JUN87	B	Macoma mitchelli	662
03JUN87	B	Littoridina sphinctostoma	11533
03JUN87	C	Rhynchocoela (unidentified)	95
03JUN87	C	Neanthes succinea	189
03JUN87	C	Streblospio benedicti	756
03JUN87	C	Cossura delta	378
03JUN87	C	Mediomastus californiensis	4727
03JUN87	C	Macoma mitchelli	189
03JUN87	C	Tagelus plebeius	95
03JUN87	D	Rhynchocoela (unidentified)	284
03JUN87	D	Glycinde solitaria	189
03JUN87	D	Streblospio benedicti	473
03JUN87	D	Capitella capitata	95
03JUN87	D	Mediomastus californiensis	5388
03JUN87	D	Pectinaria gouldii	95
03JUN87	D	Mulinia lateralis	284
03JUN87	D	Monoculodes sp.	189
03JUN87	D	Macoma mitchelli	284
03JUN87	D	Callianassa sp.	95
03JUN87	D	Tagelus plebeius	189
03JUN87	D	Littoridina sphinctostoma	189
03JUN87	D	Parandalia ocularis	95
15JUL87	A	Oligochaetes (unidentified)	378
15JUL87	A	Mediomastus californiensis	1134
15JUL87	A	Mulinia lateralis	5483
15JUL87	A	Chironomid larvae	1229
15JUL87	A	Littoridina sphinctostoma	27982
15JUL87	A	Parandalia ocularis	284
15JUL87	A	No species observed	0
15JUL87	B	Streblospio benedicti	473
15JUL87	B	Mediomastus californiensis	2174
15JUL87	B	Mulinia lateralis	1323
15JUL87	B	Chironomid larvae	284
15JUL87	B	Macoma mitchelli	95
15JUL87	B	Littoridina sphinctostoma	7185
15JUL87	C	Rhynchocoela (unidentified)	95
15JUL87	C	Streblospio benedicti	1418
15JUL87	C	Mediomastus californiensis	2363
15JUL87	C	Mulinia lateralis	567
15JUL87	C	Chironomid larvae	189
15JUL87	C	Macoma mitchelli	95
15JUL87	C	Turbellaria (unidentified)	756
15JUL87	C	Callianassa sp.	95
15JUL87	C	Littoridina sphinctostoma	3120
15JUL87	D	Streblospio benedicti	1323
15JUL87	D	Capitella capitata	284
15JUL87	D	Mediomastus californiensis	1323
15JUL87	D	Mulinia lateralis	567
15JUL87	D	Chironomid larvae	95
15JUL87	D	Macoma mitchelli	95
15JUL87	D	Littoridina sphinctostoma	95
15JUL87	D	Parandalia ocularis	95
18APR88	A	Rhynchocoela (unidentified)	189
18APR88	A	Polydora websteri	473
18APR88	A	Streblospio benedicti	52182
18APR88	A	Capitella capitata	1796
18APR88	A	Mediomastus californiensis	1323

18APR88	A	Mulinia lateralis	8224
18APR88	A	Gammarus mucronatus	95
18APR88	A	Monoculodes sp.	756
18APR88	A	Megalops	95
18APR88	A	Chironomid larvae	473
18APR88	A	Hobsonia florida	1985
18APR88	A	Littoridina sphinctostoma	16638
18APR88	B	Rhynchocoela (unidentified)	851
18APR88	B	Oligochaetes (unidentified)	189
18APR88	B	Eteone heteropoda	1040
18APR88	B	Glycinde solitaria	284
18APR88	B	Streblospio benedicti	100773
18APR88	B	Capitella capitata	1513
18APR88	B	Mediomastus californiensis	15409
18APR88	B	Pectinaria gouldii	95
18APR88	B	Mulinia lateralis	26847
18APR88	B	Monoculodes sp.	1796
18APR88	B	Megalops	95
18APR88	B	Chironomid larvae	284
18APR88	B	Macoma mitchelli	95
18APR88	B	Hobsonia florida	95
18APR88	B	Mysidopsis almyra	378
18APR88	B	Rangia cuneata	189
18APR88	B	Oxyurostylis smithi	189
18APR88	B	Pyramidella sp.	95
18APR88	B	Littoridina sphinctostoma	18907
18APR88	C	Rhynchocoela (unidentified)	473
18APR88	C	Glycinde solitaria	1891
18APR88	C	Diopatra cuprea	95
18APR88	C	Streblospio benedicti	4538
18APR88	C	Capitella capitata	567
18APR88	C	Mediomastus californiensis	31480
18APR88	C	Mulinia lateralis	17205
18APR88	C	Cyclaspis varians	284
18APR88	C	Monoculodes sp.	189
18APR88	C	Nereidae (unidentified)	189
18APR88	C	Turbellaria (unidentified)	284
18APR88	C	Oxyurostylis smithi	851
18APR88	C	Littoridina sphinctostoma	16449
18APR88	C	Scolelepis squamata	662
18APR88	C	Parandalia ocularis	95
18APR88	D	Rhynchocoela (unidentified)	95
18APR88	D	Glycinde solitaria	2552
18APR88	D	Streblospio benedicti	1702
18APR88	D	Haploscoloplos fragilis	189
18APR88	D	Mediomastus californiensis	22121
18APR88	D	Mulinia lateralis	5956
18APR88	D	Melita nitida	95
18APR88	D	Acteocina canaliculata	95
18APR88	D	Hesionidae (unidentified)	95
18APR88	D	Mysidopsis bahia	95
18APR88	D	Turbellaria (unidentified)	95
18APR88	D	Oxyurostylis smithi	189
18APR88	D	Littoridina sphinctostoma	3876
07JUL88	A	Rhynchocoela (unidentified)	378
07JUL88	A	Oligochaetes (unidentified)	284
07JUL88	A	Polydora sp.	95

07JUL88	A	Streblospio benedicti	17867
07JUL88	A	Capitella capitata	3120
07JUL88	A	Mediomastus californiensis	21837
07JUL88	A	Mulinia lateralis	15314
07JUL88	A	Monoculodes sp.	851
07JUL88	A	Mysidopsis sp.	95
07JUL88	A	Hobsonia florida	95
07JUL88	A	Littoridina sphinctostoma	9264
07JUL88	B	Oligochaetes (unidentified)	378
07JUL88	B	Glycinde solitaria	189
07JUL88	B	Streblospio benedicti	7090
07JUL88	B	Paraprionospio pinnata	95
07JUL88	B	Capitella capitata	95
07JUL88	B	Mediomastus californiensis	17016
07JUL88	B	Mulinia lateralis	19947
07JUL88	B	Tellina sp.	95
07JUL88	B	Cyclaspis varians	95
07JUL88	B	Spionidae (unidentified)	95
07JUL88	B	Macoma mitchelli	95
07JUL88	B	Rangia cuneata	95
07JUL88	B	Oxyurostylis smithi	95
07JUL88	B	Littoridina sphinctostoma	10115
08JUL88	C	Rhynchocoela (unidentified)	189
08JUL88	C	Glycinde solitaria	378
08JUL88	C	Streblospio benedicti	1796
08JUL88	C	Paraprionospio pinnata	95
08JUL88	C	Mediomastus californiensis	14085
08JUL88	C	Mulinia lateralis	945
08JUL88	C	Edotea montosa	95
08JUL88	C	Littoridina sphinctostoma	378
08JUL88	C	Scolelepis squamata	95
08JUL88	D	Rhynchocoela (unidentified)	95
08JUL88	D	Glycinde solitaria	473
08JUL88	D	Diopatra cuprea	284
08JUL88	D	Polydora websteri	95
08JUL88	D	Streblospio benedicti	567
08JUL88	D	Paraprionospio pinnata	95
08JUL88	D	Haploscoloplos foliosus	189
08JUL88	D	Mediomastus californiensis	8603
08JUL88	D	Macoma tenta	95
08JUL88	D	Cyclaspis varians	189
08JUL88	D	Oxyurostylis salinoi	95
08JUL88	D	Acteocina canaliculata	189
08JUL88	D	Serpulidae (unidentified)	189
08JUL88	D	Macoma mitchelli	95
08JUL88	D	Pyramidella sp.	95
22NOV88	A	Anthozoa (unidentified)	95
22NOV88	A	Rhynchocoela (unidentified)	189
22NOV88	A	Oligochaetes (unidentified)	95
22NOV88	A	Polydora sp.	567
22NOV88	A	Streblospio benedicti	3687
22NOV88	A	Capitella capitata	851
22NOV88	A	Mediomastus californiensis	11344
22NOV88	A	Mulinia lateralis	2741
22NOV88	A	Balanus eburneus	284
22NOV88	A	Cyclaspis varians	284
22NOV88	A	Caprellidae sp.	189

22NOV88	A	Monoculodes sp.	95
22NOV88	A	Macoma mitchelli	95
22NOV88	A	Oxyurostylis smithi	189
22NOV88	A	Littoridina sphinctostoma	2647
22NOV88	A	Scolelepis squamata	95
22NOV88	A	Parandalia ocularis	95
22NOV88	B	Oligochaetes (unidentified)	3120
22NOV88	B	Streblospio benedicti	2647
22NOV88	B	Haploscoloplos foliosus	95
22NOV88	B	Mediomastus californiensis	8792
22NOV88	B	Mulinia lateralis	10966
22NOV88	B	Balanus eburneus	189
22NOV88	B	Cyclaspis varians	95
22NOV88	B	Acteocina canaliculata	189
22NOV88	B	Littoridina sphinctostoma	8224
22NOV88	C	Rhynchocoela (unidentified)	378
22NOV88	C	Gyptis vittata	284
22NOV88	C	Streblospio benedicti	1229
22NOV88	C	Haploscoloplos foliosus	95
22NOV88	C	Mediomastus californiensis	8697
22NOV88	C	Mulinia lateralis	189
22NOV88	D	Rhynchocoela (unidentified)	378
22NOV88	D	Gyptis vittata	378
22NOV88	D	Glycinde solitaria	378
22NOV88	D	Polydora websteri	95
22NOV88	D	Polydora caulleryi	95
22NOV88	D	Streblospio benedicti	851
22NOV88	D	Paraprionospio pinnata	95
22NOV88	D	Haploscoloplos foliosus	378
22NOV88	D	Mediomastus californiensis	5672
22NOV88	D	Nuculana acuta	95
22NOV88	D	Mulinia lateralis	95
22NOV88	D	Mysidopsis sp.	95
22NOV88	D	Oxyurostylis smithi	95
04APR89	A	Rhynchocoela (unidentified)	851
04APR89	A	Oligochaetes (unidentified)	95
04APR89	A	Gyptis vittata	95
04APR89	A	Streblospio benedicti	70049
04APR89	A	Capitella capitata	1134
04APR89	A	Mediomastus californiensis	6806
04APR89	A	Mulinia lateralis	3120
04APR89	A	Monoculodes sp.	1134
04APR89	A	Acteocina canaliculata	95
04APR89	A	Gastropoda (unidentified)	12478
04APR89	A	Mysidopsis bahia	95
04APR89	A	Macoma mitchelli	95
04APR89	A	Pyramidella sp.	567
04APR89	A	Littoridina sphinctostoma	5105
04APR89	A	Parandalia ocularis	95
04APR89	B	Rhynchocoela (unidentified)	95
04APR89	B	Oligochaetes (unidentified)	95
04APR89	B	Glycinde solitaria	95
04APR89	B	Streblospio benedicti	46038
04APR89	B	Haploscoloplos foliosus	473
04APR89	B	Capitella capitata	189
04APR89	B	Mediomastus californiensis	6995
04APR89	B	Mulinia lateralis	284

04APR89	B	Cyclaspis varians	95
04APR89	B	Acteocina canaliculata	284
04APR89	B	Macoma mitchelli	473
04APR89	B	Oxyurostylis smithi	95
04APR89	B	Littoridina sphinctostoma	8413
04APR89	C	Rhynchocoela (unidentified)	95
04APR89	C	Gyptis vittata	95
04APR89	C	Glycinde solitaria	95
04APR89	C	Streblospio benedicti	1418
04APR89	C	Paraprionospio pinnata	95
04APR89	C	Haploscoloplos foliosus	95
04APR89	C	Mediomastus californiensis	11060
04APR89	C	Mulinia lateralis	189
04APR89	C	Ensis minor	95
04APR89	C	Cyclaspis varians	1418
04APR89	C	Monoculodes sp.	945
04APR89	C	Acteocina canaliculata	284
04APR89	C	Microprotopus spp.	95
04APR89	C	Leucon sp.	95
04APR89	C	Macoma mitchelli	95
04APR89	C	Oxyurostylis smithi	2363
04APR89	D	Rhynchocoela (unidentified)	189
04APR89	D	Gyptis vittata	95
04APR89	D	Neanthes succinea	378
04APR89	D	Glycera americana	95
04APR89	D	Glycinde solitaria	189
04APR89	D	Diopatra cuprea	189
04APR89	D	Polydora websteri	189
04APR89	D	Polydora caulleryi	1985
04APR89	D	Streblospio benedicti	95
04APR89	D	Haploscoloplos foliosus	662
04APR89	D	Capitella capitata	95
04APR89	D	Mediomastus californiensis	11249
04APR89	D	Clymenella torquata	284
04APR89	D	Melinna maculata	95
04APR89	D	Isolda pulchella	95
04APR89	D	Megalomma bioculatum	378
04APR89	D	Mysella planulata	567
04APR89	D	Aligena texasiana	189
04APR89	D	Mulinia lateralis	284
04APR89	D	Ensis minor	851
04APR89	D	Tellina sp.	95
04APR89	D	Pseudodiaptomus coronatus	95
04APR89	D	Cyclaspis varians	2269
04APR89	D	Ampelisca abdita	284
04APR89	D	Batea catharinensis	95
04APR89	D	Caprellidae sp.	189
04APR89	D	Monoculodes sp.	189
04APR89	D	Acteocina canaliculata	189
04APR89	D	Erichthonias brasiliensis	756
04APR89	D	Pandora trilineata	95
04APR89	D	Terebellidae (unidentified)	95
04APR89	D	Microprotopus spp.	95
04APR89	D	Oxyurostylis smithi	2552
04APR89	D	Parandalia ocularis	189
23JUL89	A	Rhynchocoela (unidentified)	284
23JUL89	A	Oligochaetes (unidentified)	189

23JUL89	A	Glycinde solitaria	95
23JUL89	A	Streblospio benedicti	5105
23JUL89	A	Mediomastus californiensis	11722
23JUL89	A	Heteromastus filiformis	95
23JUL89	A	Mulinia lateralis	662
23JUL89	A	Pseudodiaptomus coronatus	95
23JUL89	A	Bowmaniella sp.	95
23JUL89	A	Cyclaspis varians	189
23JUL89	A	Monoculodes sp.	378
23JUL89	A	Acteocina canaliculata	95
23JUL89	A	Microprotopus spp.	95
23JUL89	A	Pyramidella crenulata	95
23JUL89	A	Mysidopsis sp.	284
23JUL89	A	Mysidopsis almyra	284
23JUL89	A	Littoridina sphinctostoma	6428
23JUL89	B	Rhynchocoela (unidentified)	284
23JUL89	B	Streblospio benedicti	23350
23JUL89	B	Paraprionospio pinnata	95
23JUL89	B	Mediomastus californiensis	10777
23JUL89	B	Mulinia lateralis	189
23JUL89	B	Cyclaspis varians	662
23JUL89	B	Oxyurostylis salinoi	284
23JUL89	B	Littoridina sphinctostoma	5010
23JUL89	C	Rhynchocoela (unidentified)	378
23JUL89	C	Oligochaetes (unidentified)	95
23JUL89	C	Anaitides erythrophyllus	189
23JUL89	C	Podarke obscura	95
23JUL89	C	Glycinde solitaria	95
23JUL89	C	Diopatra cuprea	189
23JUL89	C	Polydora caulleryi	95
23JUL89	C	Streblospio benedicti	662
23JUL89	C	Paraprionospio pinnata	95
23JUL89	C	Spiochaetopterus costarum	95
23JUL89	C	Mediomastus californiensis	7752
23JUL89	C	Pista palmata	1891
23JUL89	C	Megalomma bioculatum	95
23JUL89	C	Crepidula fornicata	95
23JUL89	C	Odostomia sp.	95
23JUL89	C	Periploma margaritaceum	95
23JUL89	C	Lyonsia hyalina floridana	95
23JUL89	C	Cyclaspis varians	567
23JUL89	C	Oxyurostylis salinoi	284
23JUL89	C	Batea catharinensis	95
23JUL89	C	Caprellidae sp.	756
23JUL89	C	Melita nitida	284
23JUL89	C	Pyrgiscus sp.	189
23JUL89	C	Nereidae (unidentified)	95
23JUL89	C	Pelecypoda (unidentified)	189
23JUL89	C	Macoma mitchelli	95
23JUL89	C	Littoridina sphinctostoma	95
23JUL89	C	Polychaete juv. (unidentified)	95
23JUL89	C	Caecum johnsoni	95
23JUL89	C	Oxyurostylis sp.	95
23JUL89	C	No species observed	0
23JUL89	D	Neanthes succinea	284
23JUL89	D	Diopatra cuprea	189
23JUL89	D	Polydora caulleryi	1418

23JUL89	D	Streblospio benedicti	284
23JUL89	D	Haploscoloplos foliosus	284
23JUL89	D	Cossura delta	95
23JUL89	D	Mediomastus californiensis	4821
23JUL89	D	Axiothella mucosa	95
23JUL89	D	Clymenella torquata	95
23JUL89	D	Melinna maculata	95
23JUL89	D	Pista palmata	95
23JUL89	D	Nuculana acuta	95
23JUL89	D	Aligena texasiana	378
23JUL89	D	Mulinia lateralis	473
23JUL89	D	Cyclaspis varians	1134
23JUL89	D	Oxyurostylis salinoi	189
23JUL89	D	Synchelidium americanum	473
23JUL89	D	Listriella barnardi	284
23JUL89	D	Acteocina canaliculata	95
23JUL89	D	Sigalionidae (unidentified)	95
23JUL89	D	Pinnotheridae (unidentified)	95
23JUL89	D	Ophiuroidea (unidentified)	378
23JUL89	D	Pelecypoda (unidentified)	662
23JUL89	D	Mysidopsis bahia	378
23JUL89	D	Scolelepis squamata	284
23JUL89	D	Parandalia ocularis	95
23JUL89	D	Periploma cf. orbiculare	189
05DEC89	A	Rhynchocoela (unidentified)	95
05DEC89	A	Gyptis vittata	95
05DEC89	A	Streblospio benedicti	15033
05DEC89	A	Haploscoloplos foliosus	1513
05DEC89	A	Capitella capitata	284
05DEC89	A	Ampelisca abdita	284
05DEC89	A	Monoculodes sp.	1040
05DEC89	A	Macoma mitchelli	189
05DEC89	A	Littoridina sphinctostoma	13237
05DEC89	A	Mediomastus ambiseta	9549
05DEC89	B	Rhynchocoela (unidentified)	189
05DEC89	B	Oligochaetes (unidentified)	1135
05DEC89	B	Diopatra cuprea	95
05DEC89	B	Streblospio benedicti	4444
05DEC89	B	Haploscoloplos foliosus	4444
05DEC89	B	Pista palmata	95
05DEC89	B	Megalomma bioculatum	378
05DEC89	B	Mulinia lateralis	189
05DEC89	B	Pseudodiaptomus coronatus	95
05DEC89	B	Acteocina canaliculata	189
05DEC89	B	Sabellidae (unidentified)	189
05DEC89	B	Microprotopus spp.	95
05DEC89	B	Pyramidella crenulata	95
05DEC89	B	Caecum pulchellum	95
05DEC89	B	Macoma mitchelli	95
05DEC89	B	Turbellaria (unidentified)	95
05DEC89	B	Oxyurostylis smithi	95
05DEC89	B	Littoridina sphinctostoma	5956
05DEC89	B	Mediomastus ambiseta	11913
05DEC89	C	Rhynchocoela (unidentified)	95
05DEC89	C	Oligochaetes (unidentified)	95
05DEC89	C	Glycinde solitaria	189
05DEC89	C	Drilonereis magna	95

05DEC89	C	Streblospio benedicti	1229
05DEC89	C	Paraprionospio pinnata	189
05DEC89	C	Scolelepis texana	95
05DEC89	C	Haploscoloplos foliosus	95
05DEC89	C	Mediomastus californiensis	95
05DEC89	C	Melinna maculata	95
05DEC89	C	Megalomma bioculatum	95
05DEC89	C	Pseudodiaptomus coronatus	284
05DEC89	C	Listriella barnardi	95
05DEC89	C	Pyramidella crenulata	95
05DEC89	C	Leucon sp.	189
05DEC89	C	Mysidopsis bahia	95
05DEC89	C	Macoma mitchelli	95
05DEC89	C	Mediomastus ambiseta	2364
05DEC89	D	Anthozoa (unidentified)	95
05DEC89	D	Rhynchocoela (unidentified)	756
05DEC89	D	Gyptis vittata	95
05DEC89	D	Glycinde solitaria	189
05DEC89	D	Polydora caulleryi	7847
05DEC89	D	Streblospio benedicti	284
05DEC89	D	Paraprionospio pinnata	95
05DEC89	D	Spiochaetopterus costarum	95
05DEC89	D	Haploscoloplos foliosus	95
05DEC89	D	Cossura delta	378
05DEC89	D	Mediomastus californiensis	1702
05DEC89	D	Clymenella torquata	95
05DEC89	D	Maldanidae (unidentified)	945
05DEC89	D	Mysella planulata	95
05DEC89	D	Aligena texasiana	95
05DEC89	D	Cyclaspis varians	95
05DEC89	D	Listriella barnardi	95
05DEC89	D	Pyrgiscus sp.	95
05DEC89	D	Nereidae (unidentified)	284
05DEC89	D	Glycera capitata	95
05DEC89	D	Caecum pulchellum	95
05DEC89	D	Mysidopsis sp.	95
05DEC89	D	Periploma cf. orbiculare	189
05DEC89	D	Exogone sp.	95
05DEC89	D	Mediomastus ambiseta	1891
10APR90	C	Anthozoa (unidentified)	95
10APR90	C	Rhynchocoela (unidentified)	95
10APR90	C	Oligochaetes (unidentified)	95
10APR90	C	Glycinde solitaria	95
10APR90	C	Diopatra cuprea	95
10APR90	C	Streblospio benedicti	378
10APR90	C	Haploscoloplos foliosus	851
10APR90	C	Maldanidae (unidentified)	189
10APR90	C	Melinna maculata	95
10APR90	C	Megalomma bioculatum	95
10APR90	C	Mulinia lateralis	95
10APR90	C	Pseudodiaptomus coronatus	95
10APR90	C	Phoronis architecta	284
10APR90	C	Ophiuroidea (unidentified)	95
10APR90	C	Mediomastus ambiseta	2742
10APR90	D	Rhynchocoela (unidentified)	189
10APR90	D	Neanthes succinea	284
10APR90	D	Glycera americana	378

10APR90	D	Polydora socialis	284
10APR90	D	Polydora sp.	95
10APR90	D	Streblospio benedicti	567
10APR90	D	Scolelepis texana	95
10APR90	D	Cossura delta	189
10APR90	D	Mediomastus californiensis	189
10APR90	D	Notomastus latericeus	95
10APR90	D	Axiothella mucosa	945
10APR90	D	Clymenella torquata	95
10APR90	D	Asychis sp.	945
10APR90	D	Maldanidae (unidentified)	95
10APR90	D	Melinna maculata	95
10APR90	D	Pista palmata	95
10APR90	D	Mysella planulata	473
10APR90	D	Aligena texasiana	189
10APR90	D	Mulinia lateralis	378
10APR90	D	Acteocina canaliculata	567
10APR90	D	Nuculana concentrica	95
10APR90	D	Pyramidella crenulata	95
10APR90	D	Parametopella sp.	95
10APR90	D	Hemicyclops sp.	95
10APR90	D	Macoma mitchelli	189
10APR90	D	Periploma cf. orbiculare	567
10APR90	D	Exogone sp.	95
10APR90	D	Oxyurostylis sp.	95
10APR90	D	Mediomastus ambiseta	6618
11APR90	A	Rhynchocoela (unidentified)	95
11APR90	A	Streblospio benedicti	2269
11APR90	A	Haploscoloplos foliosus	662
11APR90	A	Capitella capitata	284
11APR90	A	Heteromastus filiformis	284
11APR90	A	Mulinia lateralis	189
11APR90	A	Ampelisca abdita	189
11APR90	A	Monoculodes sp.	95
11APR90	A	Pyramidella crenulata	95
11APR90	A	Mysidopsis sp.	95
11APR90	A	Macoma mitchelli	95
11APR90	A	Littoridina sphinctostoma	7942
11APR90	A	Mediomastus ambiseta	9360
11APR90	B	Rhynchocoela (unidentified)	95
11APR90	B	Gyptis vittata	95
11APR90	B	Streblospio benedicti	6618
11APR90	B	Haploscoloplos foliosus	1229
11APR90	B	Melinna maculata	95
11APR90	B	Ensis minor	95
11APR90	B	Ampelisca abdita	189
11APR90	B	Corophium ascherusicum	189
11APR90	B	Littoridina sphinctostoma	4066
11APR90	B	Mediomastus ambiseta	11062
02AUG90	A	Streblospio benedicti	20422
02AUG90	A	Heteromastus filiformis	95
02AUG90	A	Littoridina sphinctostoma	13426
02AUG90	A	Mediomastus ambiseta	10306
02AUG90	B	Streblospio benedicti	16924
02AUG90	B	Haploscoloplos foliosus	284
02AUG90	B	Capitella capitata	95
02AUG90	B	Cyclaspis varians	95

02AUG90	B	Acteocina canaliculata	95
02AUG90	B	Littoridina sphinctostoma	189
02AUG90	B	Mediomastus ambiseta	7469
02AUG90	C	Rhynchocoela (unidentified)	95
02AUG90	C	Oligochaetes (unidentified)	95
02AUG90	C	Gyptis vittata	95
02AUG90	C	Streblospio benedicti	756
02AUG90	C	Clymenella torquata	189
02AUG90	C	Asychis sp.	189
02AUG90	C	Melinna maculata	95
02AUG90	C	Aligena texasiana	95
02AUG90	C	Cyclaspis varians	189
02AUG90	C	Caprellidae sp.	95
02AUG90	C	Corophium louisianum	189
02AUG90	C	Phoronis architecta	2742
02AUG90	C	Acteocina canaliculata	95
02AUG90	C	Nassarius acutus	95
02AUG90	C	Elasmopus sp.	95
02AUG90	C	Oxyurostylis sp.	95
02AUG90	C	Mediomastus ambiseta	3593
02AUG90	D	Paleanotus heteroseta	95
02AUG90	D	Gyptis vittata	95
02AUG90	D	Glycera americana	189
02AUG90	D	Schistomeringos rudolphi	95
02AUG90	D	Polydora ligni	473
02AUG90	D	Polydora caulleryi	1702
02AUG90	D	Streblospio benedicti	2553
02AUG90	D	Scolelepis texana	189
02AUG90	D	Haploscoloplos foliosus	284
02AUG90	D	Mediomastus californiensis	378
02AUG90	D	Axiothella mucosa	95
02AUG90	D	Clymenella torquata	567
02AUG90	D	Asychis sp.	189
02AUG90	D	Melinna maculata	95
02AUG90	D	Mysella planulata	1985
02AUG90	D	Aligena texasiana	378
02AUG90	D	Mulinia lateralis	95
02AUG90	D	Phoronis architecta	189
02AUG90	D	Listriella barnardi	95
02AUG90	D	Pyrgiscus sp.	189
02AUG90	D	Serpulidae (unidentified)	95
02AUG90	D	Vitrinellidae (unidentified)	95
02AUG90	D	Hemicyclops sp.	95
02AUG90	D	Caecum johnsoni	95
02AUG90	D	Eupomatus dianthus	95
02AUG90	D	Mediomastus ambiseta	378
19OCT90	A	Rhynchocoela (unidentified)	189
19OCT90	A	Streblospio benedicti	4727
19OCT90	A	Littoridina sphinctostoma	3876
19OCT90	A	Mediomastus ambiseta	7564
19OCT90	B	Rhynchocoela (unidentified)	284
19OCT90	B	Streblospio benedicti	9076
19OCT90	B	Littoridina sphinctostoma	189
19OCT90	B	Mediomastus ambiseta	5295
19OCT90	C	Rhynchocoela (unidentified)	95
19OCT90	C	Gyptis vittata	189
19OCT90	C	Streblospio benedicti	16451

19OCT90	C	Paraprionospio pinnata	189
19OCT90	C	Cossura delta	95
19OCT90	C	Axiothella mucosa	95
19OCT90	C	Nassarius acutus	95
19OCT90	C	Mediomastus ambiseta	6335
19OCT90	D	Rhynchocoela (unidentified)	189
19OCT90	D	Gyptis vittata	95
19OCT90	D	Polydora caulleryi	1985
19OCT90	D	Streblospio benedicti	10022
19OCT90	D	Paraprionospio pinnata	95
19OCT90	D	Spiochaetopterus costarum	95
19OCT90	D	Cossura delta	189
19OCT90	D	Mediomastus californiensis	1702
19OCT90	D	Clymenella torquata	95
19OCT90	D	Mulinia lateralis	189
19OCT90	D	Mediomastus ambiseta	1135
23JAN91	A	Rhynchocoela (unidentified)	3025
23JAN91	A	Streblospio benedicti	5673
23JAN91	A	Capitella capitata	95
23JAN91	A	Mulinia lateralis	284
23JAN91	A	Monoculodes sp.	95
23JAN91	A	Rangia cuneata	95
23JAN91	A	Littoridina sphinctostoma	1796
23JAN91	A	Mediomastus ambiseta	14938
23JAN91	B	Rhynchocoela (unidentified)	3687
23JAN91	B	Streblospio benedicti	189
23JAN91	B	Paraprionospio pinnata	95
23JAN91	B	Scolelepis texana	95
23JAN91	B	Mulinia lateralis	378
23JAN91	B	Macoma mitchelli	567
23JAN91	B	Polychaete juv. (unidentified)	95
23JAN91	B	Mediomastus ambiseta	3593
23JAN91	C	Anthozoa (unidentified)	95
23JAN91	C	Rhynchocoela (unidentified)	2931
23JAN91	C	Eteone heteropoda	95
23JAN91	C	Glycinde solitaria	189
23JAN91	C	Diopatra cuprea	95
23JAN91	C	Streblospio benedicti	1135
23JAN91	C	Paraprionospio pinnata	189
23JAN91	C	Scolelepis texana	189
23JAN91	C	Spiochaetopterus costarum	2175
23JAN91	C	Haploscoloplos foliosus	473
23JAN91	C	Maldanidae (unidentified)	378
23JAN91	C	Melinna maculata	95
23JAN91	C	Mulinia lateralis	95
23JAN91	C	Phoronis architecta	95
23JAN91	C	Mercenaria campechiensis	95
23JAN91	C	Mediomastus ambiseta	6335
23JAN91	D	Rhynchocoela (unidentified)	284
23JAN91	D	Paleanotus heteroseta	95
23JAN91	D	Eteone heteropoda	95
23JAN91	D	Diopatra cuprea	284
23JAN91	D	Polydora caulleryi	7847
23JAN91	D	Streblospio benedicti	16262
23JAN91	D	Paraprionospio pinnata	378
23JAN91	D	Scolelepis texana	378
23JAN91	D	Minuspio cirrifera	95

23JAN91	D	Spiochaetopterus costarum	17586
23JAN91	D	Tharyx setigera	95
23JAN91	D	Haploscoloplos foliosus	284
23JAN91	D	Mediomastus californiensis	284
23JAN91	D	Clymenella torquata	284
23JAN91	D	Melinna maculata	95
23JAN91	D	Mulinia lateralis	378
23JAN91	D	Ampelisca abdita	189
23JAN91	D	Phoronis architecta	662
23JAN91	D	Mercenaria campechiensis	95
23JAN91	D	Pyrgiscus sp.	284
23JAN91	D	Sphaerosyllis cf. sublaevis	95
23JAN91	D	Gastropoda (unidentified)	284
23JAN91	D	Corophium ascherusicum	95
23JAN91	D	Pinnixa chacei	95
23JAN91	D	Mediomastus ambiseta	25149
22APR91	A	Rhynchocoela (unidentified)	1135
22APR91	A	Streblospio benedicti	1418
22APR91	A	Rangia cuneata	284
22APR91	A	Littoridina sphinctostoma	29215
22APR91	A	Mediomastus ambiseta	19477
22APR91	B	Rhynchocoela (unidentified)	1229
22APR91	B	Streblospio benedicti	851
22APR91	B	Mulinia lateralis	189
22APR91	B	Monoculodes sp.	95
22APR91	B	Macoma mitchelli	95
22APR91	B	Mediomastus ambiseta	2553
22APR91	C	Anthozoa (unidentified)	95
22APR91	C	Rhynchocoela (unidentified)	1418
22APR91	C	Gyptis vittata	95
22APR91	C	Glycinde solitaria	95
22APR91	C	Streblospio benedicti	284
22APR91	C	Paraprionospio pinnata	473
22APR91	C	Scolelepis texana	95
22APR91	C	Spiochaetopterus costarum	567
22APR91	C	Haploscoloplos foliosus	189
22APR91	C	Cossura delta	95
22APR91	C	Mulinia lateralis	473
22APR91	C	Phoronis architecta	378
22APR91	C	Leucon sp.	378
22APR91	C	Macoma mitchelli	95
22APR91	C	Mediomastus ambiseta	3687
22APR91	D	Rhynchocoela (unidentified)	851
22APR91	D	Glycinde solitaria	189
22APR91	D	Streblospio benedicti	1985
22APR91	D	Paraprionospio pinnata	189
22APR91	D	Spiochaetopterus costarum	10116
22APR91	D	Cossura delta	95
22APR91	D	Axiothella mucosa	95
22APR91	D	Mulinia lateralis	95
22APR91	D	Cyclaspis varians	189
22APR91	D	Acteocina canaliculata	284
22APR91	D	Pyrgiscus sp.	95
22APR91	D	Pyramidella crenulata	189
22APR91	D	Mediomastus ambiseta	3498
17JUL91	A	Oligochaetes (unidentified)	95
17JUL91	A	Streblospio benedicti	2175

17JUL91	A	Mulinia lateralis	95
17JUL91	A	Edotea montosa	189
17JUL91	A	Rangia cuneata	95
17JUL91	A	Littoridina sphinctostoma	21178
17JUL91	A	Parandalia ocularis	95
17JUL91	A	Mediomastus ambiseta	5389
17JUL91	B	Rhynchocoela (unidentified)	95
17JUL91	B	Streblospio benedicti	5011
17JUL91	B	Capitella capitata	95
17JUL91	B	Mulinia lateralis	189
17JUL91	B	Mysidopsis sp.	95
17JUL91	B	Mediomastus ambiseta	6335
17JUL91	C	Rhynchocoela (unidentified)	378
17JUL91	C	Streblospio benedicti	3404
17JUL91	C	Cossura delta	378
17JUL91	C	Cyclaspis varians	189
17JUL91	C	Phoronis architecta	189
17JUL91	C	Pyramidella crenulata	95
17JUL91	C	Mysidopsis almyra	95
17JUL91	C	Parandalia ocularis	95
17JUL91	C	Mediomastus ambiseta	9266
17JUL91	D	Rhynchocoela (unidentified)	473
17JUL91	D	Glycera americana	95
17JUL91	D	Glycinde solitaria	95
17JUL91	D	Polydora websteri	95
17JUL91	D	Streblospio benedicti	3876
17JUL91	D	Spiochaetopterus costarum	4160
17JUL91	D	Cossura delta	378
17JUL91	D	Capitella capitata	284
17JUL91	D	Mediomastus californiensis	95
17JUL91	D	Axiothella mucosa	95
17JUL91	D	Mysella planulata	95
17JUL91	D	Mulinia lateralis	95
17JUL91	D	Ensis minor	95
17JUL91	D	Cyclaspis varians	756
17JUL91	D	Phoronis architecta	95
17JUL91	D	Nereidae (unidentified)	95
17JUL91	D	Mediomastus ambiseta	6429
15OCT91	A	Rhynchocoela (unidentified)	95
15OCT91	A	Streblospio benedicti	20706
15OCT91	A	Mulinia lateralis	95
15OCT91	A	Edotea montosa	95
15OCT91	A	Chironomid larvae	95
15OCT91	A	Hobsonia florida	95
15OCT91	A	Mysidopsis almyra	95
15OCT91	A	Littoridina sphinctostoma	9927
15OCT91	A	Mediomastus ambiseta	3971
15OCT91	B	Rhynchocoela (unidentified)	1702
15OCT91	B	Streblospio benedicti	54837
15OCT91	B	Monoculodes sp.	95
15OCT91	B	Mediomastus ambiseta	19382
15OCT91	C	Anthozoa (unidentified)	95
15OCT91	C	Rhynchocoela (unidentified)	567
15OCT91	C	Glycinde solitaria	284
15OCT91	C	Diopatra cuprea	95
15OCT91	C	Streblospio benedicti	5200
15OCT91	C	Paraprionospio pinnata	378

15OCT91	C	Scolelepis texana	378
15OCT91	C	Spiochaetopterus costarum	189
15OCT91	C	Cossura delta	189
15OCT91	C	Capitella capitata	95
15OCT91	C	Pseudodiaptomus coronatus	95
15OCT91	C	Monoculodes sp.	95
15OCT91	C	Macoma mitchelli	95
15OCT91	C	Mediomastus ambiseta	17207
15OCT91	D	Rhynchocoela (unidentified)	567
15OCT91	D	Gyptis vittata	95
15OCT91	D	Neanthes succinea	95
15OCT91	D	Glycinde solitaria	95
15OCT91	D	Diopatra cuprea	95
15OCT91	D	Polydora caulleryi	189
15OCT91	D	Streblospio benedicti	1891
15OCT91	D	Spiochaetopterus costarum	1324
15OCT91	D	Haploscoloplos foliosus	95
15OCT91	D	Cossura delta	95
15OCT91	D	Mulinia lateralis	95
15OCT91	D	Cyclaspis varians	189
15OCT91	D	Phoronis architecta	95
15OCT91	D	Pinnixa sp.	95
15OCT91	D	Mediomastus ambiseta	10116
20JAN92	A	Rhynchocoela (unidentified)	662
20JAN92	A	Streblospio benedicti	2836
20JAN92	A	Capitella capitata	95
20JAN92	A	Macoma mitchelli	378
20JAN92	A	Hobsonia florida	95
20JAN92	A	Littoridina sphinctostoma	5862
20JAN92	A	Parandalia ocularis	95
20JAN92	A	Mediomastus ambiseta	9549
20JAN92	B	Streblospio benedicti	19098
20JAN92	B	Capitella capitata	95
20JAN92	B	Monoculodes sp.	95
20JAN92	B	Macoma mitchelli	284
20JAN92	B	Mediomastus ambiseta	16924
20JAN92	C	Anthozoa (unidentified)	95
20JAN92	C	Rhynchocoela (unidentified)	189
20JAN92	C	Streblospio benedicti	567
20JAN92	C	Phoronis architecta	378
20JAN92	C	Pyramidella crenulata	95
20JAN92	C	Macoma mitchelli	662
20JAN92	C	Mediomastus ambiseta	9927
20JAN92	D	Rhynchocoela (unidentified)	95
20JAN92	D	Neanthes succinea	95
20JAN92	D	Streblospio benedicti	2458
20JAN92	D	Spiochaetopterus costarum	662
20JAN92	D	Hemicyclops sp.	95
20JAN92	D	Macoma mitchelli	378
20JAN92	D	Mediomastus ambiseta	3025
06APR92	A	Rhynchocoela (unidentified)	284
06APR92	A	Oligochaetes (unidentified)	95
06APR92	A	Streblospio benedicti	95
06APR92	A	Mulinia lateralis	4349
06APR92	A	Chironomid larvae	189
06APR92	A	Macoma mitchelli	95
06APR92	A	Rangia cuneata	95

06APR92	A	Littoridina sphinctostoma	8415
06APR92	A	Mediomastus ambiseta	3782
06APR92	A	Insect larvae (unidentified)	95
06APR92	B	Streblospio benedicti	2364
06APR92	B	Macoma mitchelli	95
06APR92	B	Hobsonia florida	95
06APR92	B	Mediomastus ambiseta	25622
06APR92	C	Streblospio benedicti	284
06APR92	C	Mulinia lateralis	95
06APR92	C	Mediomastus ambiseta	3593
06APR92	D	Rhynchocoela (unidentified)	95
06APR92	D	Streblospio benedicti	284
06APR92	D	Cossura delta	95
06APR92	D	Vitrinellidae (unidentified)	189
06APR92	D	Macoma mitchelli	284
06APR92	D	Mediomastus ambiseta	3120
12JUL92	A	Oligochaetes (unidentified)	189
12JUL92	A	Streblospio benedicti	95
12JUL92	A	Mulinia lateralis	18531
12JUL92	A	Chironomid larvae	851
12JUL92	A	Rangia cuneata	189
12JUL92	A	Littoridina sphinctostoma	8793
12JUL92	A	Mediomastus ambiseta	189
12JUL92	B	Streblospio benedicti	473
12JUL92	B	Clymenella torquata	95
12JUL92	B	Chironomid larvae	284
12JUL92	B	Mediomastus ambiseta	4255
12JUL92	C	Streblospio benedicti	1513
12JUL92	C	Mediomastus ambiseta	284
12JUL92	C	No species observed	0
12JUL92	D	Streblospio benedicti	95
12JUL92	D	Hobsonia florida	1135
12JUL92	D	Parandalia ocularis	284
12JUL92	D	Mediomastus ambiseta	1040
12JUL92	D	No species observed	0
07OCT92	A	Oligochaetes (unidentified)	95
07OCT92	A	Streblospio benedicti	189
07OCT92	A	Mulinia lateralis	1891
07OCT92	A	Chironomid larvae	378
07OCT92	A	Hobsonia florida	756
07OCT92	A	Rangia cuneata	95
07OCT92	A	Littoridina sphinctostoma	18248
07OCT92	A	No species observed	0
07OCT92	B	Rhynchocoela (unidentified)	189
07OCT92	B	Streblospio benedicti	22124
07OCT92	B	Capitella capitata	189
07OCT92	B	Mulinia lateralis	378
07OCT92	B	Paraonidae Grp. B	95
07OCT92	B	Chironomid larvae	95
07OCT92	B	Hobsonia florida	189
07OCT92	B	Mediomastus ambiseta	9171
07OCT92	C	Rhynchocoela (unidentified)	1040
07OCT92	C	Streblospio benedicti	2742
07OCT92	C	Mulinia lateralis	95
07OCT92	C	Callianassa sp.	189
07OCT92	C	Parandalia ocularis	284
07OCT92	C	Mediomastus ambiseta	6524

07OCT92	D	Rhynchocoela (unidentified)	284
07OCT92	D	Glycinde solitaria	95
07OCT92	D	Streblospio benedicti	284
07OCT92	D	Paraprionospio pinnata	95
07OCT92	D	Mulinia lateralis	95
07OCT92	D	Monoculodes sp.	95
07OCT92	D	Ogyrides limicola	95
07OCT92	D	Littoridina sphinctostoma	189
07OCT92	D	Thompsonula sp.	95
07OCT92	D	Parandalia ocularis	189
07OCT92	D	Mediomastus ambiseta	2742
12JAN93	A	Rhynchocoela (unidentified)	473
12JAN93	A	Eteone heteropoda	95
12JAN93	A	Streblospio benedicti	756
12JAN93	A	Capitella capitata	95
12JAN93	A	Mulinia lateralis	3687
12JAN93	A	Monoculodes sp.	95
12JAN93	A	Chironomid larvae	95
12JAN93	A	Littoridina sphinctostoma	36779
12JAN93	A	Mediomastus ambiseta	1796
12JAN93	A	No species observed	95
12JAN93	B	Rhynchocoela (unidentified)	284
12JAN93	B	Glycinde solitaria	95
12JAN93	B	Diopatra cuprea	95
12JAN93	B	Streblospio benedicti	1324
12JAN93	B	Capitella capitata	662
12JAN93	B	Mulinia lateralis	19098
12JAN93	B	Brachidontes exustus	95
12JAN93	B	Macoma mitchelli	284
12JAN93	B	Mediomastus ambiseta	8036
12JAN93	C	Rhynchocoela (unidentified)	284
12JAN93	C	Glycinde solitaria	189
12JAN93	C	Lysidice ninetta	8793
12JAN93	C	Streblospio benedicti	1040
12JAN93	C	Mulinia lateralis	756
12JAN93	C	Monoculodes sp.	851
12JAN93	C	Pyramidella crenulata	95
12JAN93	C	Macoma mitchelli	189
12JAN93	C	Parandalia ocularis	378
12JAN93	D	Rhynchocoela (unidentified)	378
12JAN93	D	Glycinde solitaria	473
12JAN93	D	Diopatra cuprea	95
12JAN93	D	Streblospio benedicti	945
12JAN93	D	Paraprionospio pinnata	95
12JAN93	D	Minuspio cirrifera	95
12JAN93	D	Mulinia lateralis	11724
12JAN93	D	Acteocina canaliculata	95
12JAN93	D	Molgula manhattensis	95
12JAN93	D	Macoma mitchelli	189
12JAN93	D	Hobsonia florida	95
12JAN93	D	Mediomastus ambiseta	6807
05APR93	A	Rhynchocoela (unidentified)	189
05APR93	A	Oligochaetes (unidentified)	189
05APR93	A	Streblospio benedicti	662
05APR93	A	Capitella capitata	284
05APR93	A	Mulinia lateralis	27324
05APR93	A	Chironomid larvae	95

05APR93	A	Hobsonia florida	284
05APR93	A	Littoridina sphinctostoma	17207
05APR93	A	Mediomastus ambiseta	3025
05APR93	B	Rhynchocoela (unidentified)	95
05APR93	B	Eteone heteropoda	378
05APR93	B	Gyptis vittata	189
05APR93	B	Neanthes succinea	95
05APR93	B	Streblospio benedicti	12953
05APR93	B	Capitella capitata	851
05APR93	B	Mulinia lateralis	23826
05APR93	B	Macoma mitchelli	95
05APR93	B	Littoridina sphinctostoma	473
05APR93	B	Mediomastus ambiseta	22880
05APR93	C	Rhynchocoela (unidentified)	284
05APR93	C	Eteone heteropoda	95
05APR93	C	Glycinde solitaria	95
05APR93	C	Streblospio benedicti	5389
05APR93	C	Capitella capitata	1040
05APR93	C	Pectinaria gouldii	378
05APR93	C	Mulinia lateralis	19098
05APR93	C	Littoridina sphinctostoma	9076
05APR93	C	Parandalia ocularis	95
05APR93	C	Mediomastus ambiseta	16451
05APR93	D	Rhynchocoela (unidentified)	189
05APR93	D	Glycinde solitaria	473
05APR93	D	Polydora caulleryi	95
05APR93	D	Streblospio benedicti	1418
05APR93	D	Spiochaetopterus costarum	95
05APR93	D	Mulinia lateralis	6902
05APR93	D	Macoma mitchelli	95
05APR93	D	Littoridina sphinctostoma	2364
05APR93	D	Thompsonula sp.	95
05APR93	D	Parandalia ocularis	95
05APR93	D	Oxyurostylis sp.	378
05APR93	D	Mediomastus ambiseta	11818
09JUL93	A	Oligochaetes (unidentified)	189
09JUL93	A	Mulinia lateralis	15317
09JUL93	A	Chironomid larvae	284
09JUL93	A	Rangia cuneata	3498
09JUL93	A	Littoridina sphinctostoma	3971
09JUL93	A	Mediomastus ambiseta	1985
09JUL93	B	Neanthes succinea	189
09JUL93	B	Capitella capitata	473
09JUL93	B	Mulinia lateralis	16167
09JUL93	B	Littoridina sphinctostoma	567
09JUL93	B	Mediomastus ambiseta	5673
09JUL93	C	Rhynchocoela (unidentified)	95
09JUL93	C	Streblospio benedicti	851
09JUL93	C	Capitella capitata	284
09JUL93	C	Mulinia lateralis	1796
09JUL93	C	Monoculodes sp.	95
09JUL93	C	Littoridina sphinctostoma	2364
09JUL93	C	Mediomastus ambiseta	8036
09JUL93	D	Streblospio benedicti	95
09JUL93	D	Mulinia lateralis	189
09JUL93	D	Littoridina sphinctostoma	95
09JUL93	D	Parandalia ocularis	284

09JUL93	D	Mediomastus ambiseta	3687
09JUL93	D	No species observed	0
11OCT93	A	Anthozoa (unidentified)	189
11OCT93	A	Oligochaetes (unidentified)	95
11OCT93	A	Polydora websteri	1040
11OCT93	A	Streblospio benedicti	378
11OCT93	A	Mulinia lateralis	3593
11OCT93	A	Hobsonia florida	662
11OCT93	A	Rangia cuneata	756
11OCT93	A	Littoridina sphinctostoma	1891
11OCT93	A	Mediomastus ambiseta	1324
11OCT93	A	No species observed	0
11OCT93	B	Anthozoa (unidentified)	95
11OCT93	B	Rhynchocoela (unidentified)	95
11OCT93	B	Polydora websteri	95
11OCT93	B	Streblospio benedicti	1135
11OCT93	B	Capitella capitata	189
11OCT93	B	Mulinia lateralis	2364
11OCT93	B	Littoridina sphinctostoma	95
11OCT93	B	Mediomastus ambiseta	3404
11OCT93	C	Rhynchocoela (unidentified)	95
11OCT93	C	Polydora websteri	95
11OCT93	C	Streblospio benedicti	1324
11OCT93	C	Capitella capitata	95
11OCT93	C	Mulinia lateralis	5862
11OCT93	C	Balanus eburneus	1418
11OCT93	C	Turbellaria (unidentified)	95
11OCT93	C	Littoridina sphinctostoma	1985
11OCT93	C	Mediomastus ambiseta	4444
11OCT93	D	Rhynchocoela (unidentified)	378
11OCT93	D	Streblospio benedicti	567
11OCT93	D	Monoculodes sp.	95
11OCT93	D	Turbellaria (unidentified)	95
11OCT93	D	Littoridina sphinctostoma	567
11OCT93	D	Parandalia ocularis	189
11OCT93	D	Mediomastus ambiseta	2269
05JAN94	A	Eteone heteropoda	95
05JAN94	A	Neanthes succinea	95
05JAN94	A	Streblospio benedicti	1702
05JAN94	A	Capitella capitata	189
05JAN94	A	Mulinia lateralis	756
05JAN94	A	Chironomid larvae	189
05JAN94	A	Hobsonia florida	95
05JAN94	A	Rangia cuneata	189
05JAN94	A	Littoridina sphinctostoma	3025
05JAN94	A	Thompsonula sp.	473
05JAN94	A	Mediomastus ambiseta	1229
05JAN94	B	Neanthes succinea	95
05JAN94	B	Streblospio benedicti	1229
05JAN94	B	Capitella capitata	378
05JAN94	B	Mulinia lateralis	189
05JAN94	B	Chironomid larvae	95
05JAN94	B	Littoridina sphinctostoma	95
05JAN94	B	Thompsonula sp.	95
05JAN94	B	Parandalia ocularis	189
05JAN94	B	Mediomastus ambiseta	3593
05JAN94	B	Glycinde nordmanni	378

05JAN94	C	Rhynchocoela (unidentified)	473
05JAN94	C	Diopatra cuprea	95
05JAN94	C	Streblospio benedicti	1702
05JAN94	C	Pectinaria gouldii	95
05JAN94	C	Mulinia lateralis	756
05JAN94	C	Cyclaspis varians	189
05JAN94	C	Macoma mitchelli	95
05JAN94	C	Littoridina sphinctostoma	2364
05JAN94	C	Thompsonula sp.	95
05JAN94	C	Mediomastus ambiseta	7658
05JAN94	D	Anthozoa (unidentified)	95
05JAN94	D	Rhynchocoela (unidentified)	284
05JAN94	D	Diopatra cuprea	95
05JAN94	D	Streblospio benedicti	1418
05JAN94	D	Paraprionospio pinnata	95
05JAN94	D	Scolelepis texana	189
05JAN94	D	Spiochaetopterus costarum	662
05JAN94	D	Ensis minor	95
05JAN94	D	Ampelisca abdita	95
05JAN94	D	Molgula manhattensis	95
05JAN94	D	Littoridina sphinctostoma	567
05JAN94	D	Parandalia ocularis	95
05JAN94	D	Mediomastus ambiseta	5767
05JAN94	D	Glycinde nordmanni	95
07APR94	A	Oligochaetes (unidentified)	189
07APR94	A	Streblospio benedicti	18531
07APR94	A	Capitella capitata	95
07APR94	A	Odostomia sp.	284
07APR94	A	Mulinia lateralis	756
07APR94	A	Monoculodes sp.	567
07APR94	A	Chironomid larvae	95
07APR94	A	Rangia cuneata	95
07APR94	A	Littoridina sphinctostoma	5389
07APR94	A	Mediomastus ambiseta	945
07APR94	B	Rhynchocoela (unidentified)	95
07APR94	B	Eteone heteropoda	95
07APR94	B	Streblospio benedicti	28931
07APR94	B	Capitella capitata	1135
07APR94	B	Mulinia lateralis	95
07APR94	B	Cyclaspis varians	95
07APR94	B	Nudibranchia (unidentified)	95
07APR94	B	Macoma mitchelli	95
07APR94	B	Littoridina sphinctostoma	1513
07APR94	B	Mediomastus ambiseta	4822
07APR94	C	Streblospio benedicti	4727
07APR94	C	Capitella capitata	95
07APR94	C	Mulinia lateralis	662
07APR94	C	Cyclaspis varians	662
07APR94	C	Monoculodes sp.	95
07APR94	C	Pyramidella crenulata	95
07APR94	C	Macoma mitchelli	95
07APR94	C	Littoridina sphinctostoma	2836
07APR94	C	Parandalia ocularis	378
07APR94	C	Diastylis sp.	95
07APR94	C	Mediomastus ambiseta	10684
07APR94	C	Glycinde nordmanni	95
07APR94	D	Rhynchocoela (unidentified)	95

07APR94	D	Streblospio benedicti	567
07APR94	D	Paraprionospio pinnata	95
07APR94	D	Scoletepis texana	95
07APR94	D	Spiochaetopterus costarum	473
07APR94	D	Haploscoloplos foliosus	95
07APR94	D	Mulinia lateralis	95
07APR94	D	Microprotopus spp.	95
07APR94	D	Oxyurostylis smithi	95
07APR94	D	Thompsonula sp.	95
07APR94	D	Parandalia ocularis	284
07APR94	D	Mediomastus ambiseta	8604
07APR94	D	Glycinde nordmanni	189
07JUL94	A	Oligochaetes (unidentified)	284
07JUL94	A	Streblospio benedicti	1324
07JUL94	A	Capitella capitata	189
07JUL94	A	Mulinia lateralis	378
07JUL94	A	Chironomid larvae	189
07JUL94	A	Hobsonia florida	473
07JUL94	A	Rangia cuneata	662
07JUL94	A	Littoridina sphinctostoma	3782
07JUL94	A	Mediomastus ambiseta	756
07JUL94	B	Streblospio benedicti	945
07JUL94	B	Capitella capitata	189
07JUL94	B	Mulinia lateralis	567
07JUL94	B	Callianassa sp.	95
07JUL94	B	Littoridina sphinctostoma	756
07JUL94	B	Parandalia ocularis	95
07JUL94	B	Mediomastus ambiseta	10967
07JUL94	C	Rhynchocoela (unidentified)	567
07JUL94	C	Glycinde solitaria	95
07JUL94	C	Streblospio benedicti	945
07JUL94	C	Mulinia lateralis	1040
07JUL94	C	Cyclaspis varians	95
07JUL94	C	Macoma mitchelli	95
07JUL94	C	Littoridina sphinctostoma	378
07JUL94	C	Mediomastus ambiseta	11157
07JUL94	D	Rhynchocoela (unidentified)	1040
07JUL94	D	Diopatra cuprea	189
07JUL94	D	Polydora sp.	95
07JUL94	D	Streblospio benedicti	473
07JUL94	D	Capitella capitata	189
07JUL94	D	Mulinia lateralis	189
07JUL94	D	Callianassa sp.	378
07JUL94	D	Parandalia ocularis	284
07JUL94	D	Mediomastus ambiseta	10684
20OCT94	A	Rhynchocoela (unidentified)	95
20OCT94	A	Oligochaetes (unidentified)	378
20OCT94	A	Polydora ligni	189
20OCT94	A	Streblospio benedicti	1985
20OCT94	A	Capitella capitata	851
20OCT94	A	Mulinia lateralis	284
20OCT94	A	Cyclaspis varians	473
20OCT94	A	Edotea montosa	189
20OCT94	A	Monoculodes sp.	95
20OCT94	A	Nudibranchia (unidentified)	95
20OCT94	A	Rangia cuneata	1040
20OCT94	A	Callianassa sp.	189

20OCT94	A	Littoridina sphinctostoma	4255
20OCT94	A	Parandalia ocularis	473
20OCT94	A	Mediomastus ambiseta	5389
20OCT94	B	Rhynchocoela (unidentified)	189
20OCT94	B	Streblospio benedicti	378
20OCT94	B	Mulinia lateralis	189
20OCT94	B	Brachidontes exustus	378
20OCT94	B	Littoridina sphinctostoma	1418
20OCT94	B	Mediomastus ambiseta	3971
20OCT94	C	Eteone heteropoda	95
20OCT94	C	Gyptis vittata	95
20OCT94	C	Neanthes succinea	284
20OCT94	C	Glycinde solitaria	95
20OCT94	C	Streblospio benedicti	95
20OCT94	C	Paraprionospio pinnata	95
20OCT94	C	Scolelepis texana	95
20OCT94	C	Haploscoloplos foliosus	189
20OCT94	C	Crepidula plana	7564
20OCT94	C	Mulinia lateralis	756
20OCT94	C	Cyclopoid copepod (commensal)	189
20OCT94	C	Clibanarius vittatus	95
20OCT94	C	Crassostrea virginica	378
20OCT94	C	Littoridina sphinctostoma	473
20OCT94	C	Eupomatus dianthus	95
20OCT94	C	Mediomastus ambiseta	8415
20OCT94	C	Boonea impressa	662
20OCT94	D	Rhynchocoela (unidentified)	378
20OCT94	D	Gyptis vittata	95
20OCT94	D	Streblospio benedicti	189
20OCT94	D	Scolelepis texana	95
20OCT94	D	Spiochaetopterus costarum	2836
20OCT94	D	Haploscoloplos foliosus	378
20OCT94	D	Mulinia lateralis	95
20OCT94	D	Cyclaspis varians	284
20OCT94	D	Pinnixa cristata	95
20OCT94	D	Hemicyclops sp.	95
20OCT94	D	Parandalia ocularis	662
20OCT94	D	Mediomastus ambiseta	8131
10JAN95	A	Rhynchocoela (unidentified)	95
10JAN95	A	Oligochaetes (unidentified)	189
10JAN95	A	Polydora ligni	95
10JAN95	A	Streblospio benedicti	1891
10JAN95	A	Capitella capitata	95
10JAN95	A	Mulinia lateralis	95
10JAN95	A	Rangia cuneata	662
10JAN95	A	Littoridina sphinctostoma	1796
10JAN95	A	Parandalia ocularis	95
10JAN95	A	Mediomastus ambiseta	7186
10JAN95	B	Rhynchocoela (unidentified)	189
10JAN95	B	Streblospio benedicti	3025
10JAN95	B	Capitella capitata	284
10JAN95	B	Mulinia lateralis	95
10JAN95	B	Cyclaspis varians	95
10JAN95	B	Monoculodes sp.	95
10JAN95	B	Littoridina sphinctostoma	1418
10JAN95	B	Mediomastus ambiseta	7375
10JAN95	B		4160

10JAN95	C	Rhynchocoela (unidentified)	473
10JAN95	C	Eteone heteropoda	95
10JAN95	C	Gyptis vittata	189
10JAN95	C	Glycinde solitaria	95
10JAN95	C	Diopatra cuprea	95
10JAN95	C	Streblospio benedicti	567
10JAN95	C	Paraprionospio pinnata	95
10JAN95	C	Haploscoloplos foliosus	567
10JAN95	C	Haploscoloplos fragilis	95
10JAN95	C	Mitrella lunata	95
10JAN95	C	Mulinia lateralis	189
10JAN95	C	Cyclaspis varians	756
10JAN95	C	Batea catharinensis	1040
10JAN95	C	Caprellidae sp.	378
10JAN95	C	Corophium louisianum	95
10JAN95	C	Nassarius acutus	95
10JAN95	C	Ophiuroidea (unidentified)	95
10JAN95	C	Nudibranchia (unidentified)	95
10JAN95	C	Macoma mitchelli	473
10JAN95	C	Littoridina sphinctostoma	378
10JAN95	C	Mediomastus ambiseta	9833
10JAN95	D	Rhynchocoela (unidentified)	567
10JAN95	D	Streblospio benedicti	756
10JAN95	D	Spiochaetopterus costarum	3025
10JAN95	D	Haploscoloplos foliosus	567
10JAN95	D	Ensis minor	95
10JAN95	D	Cyclaspis varians	189
10JAN95	D	Pelecypoda (unidentified)	189
10JAN95	D	Pinnixa sp.	95
10JAN95	D	Hemicyclops sp.	473
10JAN95	D	Macoma mitchelli	95
10JAN95	D	Parandalia ocularis	284
10JAN95	D	Diastylis sp.	95
10JAN95	D	Mediomastus ambiseta	5389
05APR95	A	Rhynchocoela (unidentified)	567
05APR95	A	Oligochaetes (unidentified)	756
05APR95	A	Polydora ligni	567
05APR95	A	Streblospio benedicti	6335
05APR95	A	Capitella capitata	378
05APR95	A	Mulinia lateralis	9644
05APR95	A	Hobsonia florida	378
05APR95	A	Rangia cuneata	662
05APR95	A	Littoridina sphinctostoma	9076
05APR95	A	Mediomastus ambiseta	12007
05APR95	B	Rhynchocoela (unidentified)	378
05APR95	B	Oligochaetes (unidentified)	12953
05APR95	B	Eteone heteropoda	189
05APR95	B	Neanthes succinea	189
05APR95	B	Streblospio benedicti	39615
05APR95	B	Capitella capitata	473
05APR95	B	Pectinaria gouldii	95
05APR95	B	Mulinia lateralis	567
05APR95	B	Balanus eburneus	95
05APR95	B	Cyclaspis varians	189
05APR95	B	Monoculodes sp.	95
05APR95	B	Brachidontes exustus	756
05APR95	B	Littoridina sphinctostoma	2080

05APR95	B	Mediomastus ambiseta	18909
05APR95	C	Rhynchocoela (unidentified)	378
05APR95	C	Glycinde solitaria	1135
05APR95	C	Streblospio benedicti	1229
05APR95	C	Scolelepis texana	189
05APR95	C	Haploscoloplos foliosus	189
05APR95	C	Haploscoloplos fragilis	284
05APR95	C	Pectinaria gouldii	189
05APR95	C	Ensis minor	95
05APR95	C	Cyclaspis varians	378
05APR95	C	Caprellidae sp.	378
05APR95	C	Littoridina sphinctostoma	284
05APR95	C	Oxyurostylis sp.	473
05APR95	C	Mediomastus ambiseta	13331
05APR95	D	Rhynchocoela (unidentified)	95
05APR95	D	Gyptis vittata	95
05APR95	D	Glycinde solitaria	189
05APR95	D	Streblospio benedicti	851
05APR95	D	Spiochaetopterus costarum	1135
05APR95	D	Haploscoloplos fragilis	189
05APR95	D	Cossura delta	95
05APR95	D	Leptochelia rapax	95
05APR95	D	Caprellidae sp.	189
05APR95	D	Cyclaspis sp.	284
05APR95	D	Macoma mitchelli	95
05APR95	D	Turbellaria (unidentified)	95
05APR95	D	Parandalia ocularis	284
05APR95	D	Oxyurostylis sp.	95
05APR95	D	Mediomastus ambiseta	5484
06JUL95	A	Oligochaetes (unidentified)	945
06JUL95	A	Streblospio benedicti	473
06JUL95	A	Mulinia lateralis	3498
06JUL95	A	Chironomid larvae	95
06JUL95	A	Rangia cuneata	284
06JUL95	A	Callianassa sp.	95
06JUL95	A	Littoridina sphinctostoma	6335
06JUL95	A	Parandalia ocularis	189
06JUL95	A	Mediomastus ambiseta	5578
06JUL95	B	Rhynchocoela (unidentified)	473
06JUL95	B	Glycinde solitaria	95
06JUL95	B	Streblospio benedicti	39615
06JUL95	B	Capitella capitata	189
06JUL95	B	Mulinia lateralis	95
06JUL95	B	Pelecypoda (unidentified)	95
06JUL95	B	Callianassa sp.	95
06JUL95	B	Littoridina sphinctostoma	95
06JUL95	B	Mediomastus ambiseta	9360
06JUL95	C	Rhynchocoela (unidentified)	284
06JUL95	C	Streblospio benedicti	1324
06JUL95	C	Cyclaspis varians	95
06JUL95	C	Mediomastus ambiseta	1040
06JUL95	D	Spiochaetopterus costarum	851
06JUL95	D	Cossura delta	95
06JUL95	D	Phoronis architecta	95
06JUL95	D	Hemicyclops sp.	95
06JUL95	D	Parandalia ocularis	284
04OCT95	A	Rhynchocoela (unidentified)	189

04OCT95	A	Oligochaetes (unidentified)	95
04OCT95	A	Polydora ligni	95
04OCT95	A	Streblospio benedicti	1702
04OCT95	A	Capitella capitata	284
04OCT95	A	Mulinia lateralis	95
04OCT95	A	Chironomid larvae	95
04OCT95	A	Macoma mitchelli	95
04OCT95	A	Hobsonia florida	95
04OCT95	A	Rangia cuneata	189
04OCT95	A	Littoridina sphinctostoma	945
04OCT95	A	Parandalia ocularis	567
04OCT95	A	Mediomastus ambiseta	4160
04OCT95	B	Rhynchocoela (unidentified)	284
04OCT95	B	Gyptis vittata	95
04OCT95	B	Streblospio benedicti	5389
04OCT95	B	Mulinia lateralis	756
04OCT95	B	Acteocina canaliculata	95
04OCT95	B	Littoridina sphinctostoma	473
04OCT95	B	Mediomastus ambiseta	3971
04OCT95	C	Cyclaspis varians	189
04OCT95	C	Mediomastus ambiseta	1513
04OCT95	D	Rhynchocoela (unidentified)	284
04OCT95	D	Gyptis vittata	95
04OCT95	D	Glycinde solitaria	95
04OCT95	D	Streblospio benedicti	95
04OCT95	D	Paraprionospio pinnata	95
04OCT95	D	Spiochaetopterus costarum	945
04OCT95	D	Pseudodiaptomus coronatus	95
04OCT95	D	Cyclaspis varians	95
04OCT95	D	Phoronis architecta	95
04OCT95	D	Pinnixa sp.	95
04OCT95	D	Parandalia ocularis	945
04OCT95	D	Oxyurostylis sp.	189
04OCT95	D	Mediomastus ambiseta	3498
10JAN96	A	Rhynchocoela (unidentified)	284
10JAN96	A	Oligochaetes (unidentified)	473
10JAN96	A	Polydora ligni	3309
10JAN96	A	Streblospio benedicti	5956
10JAN96	A	Haploscoloplos foliosus	95
10JAN96	A	Capitella capitata	284
10JAN96	A	Mulinia lateralis	378
10JAN96	A	Cyclaspis varians	189
10JAN96	A	Edotea montosa	284
10JAN96	A	Gammarus mucronatus	189
10JAN96	A	Monoculodes sp.	189
10JAN96	A	Hobsonia florida	378
10JAN96	A	Turbellaria (unidentified)	473
10JAN96	A	Littoridina sphinctostoma	1418
10JAN96	A	Parandalia ocularis	662
10JAN96	A	Mediomastus ambiseta	17113
10JAN96	A	Ischadium recurvum	284
10JAN96	B	Rhynchocoela (unidentified)	95
10JAN96	B	Glycinde solitaria	378
10JAN96	B	Streblospio benedicti	284
10JAN96	B	Scolelepis texana	95
10JAN96	B	Haploscoloplos foliosus	567
10JAN96	B	Cyclaspis varians	189

10JAN96	B	Monoculodes sp.	95
10JAN96	B	Littoridina sphinctostoma	567
10JAN96	B	Parandalia ocularis	95
10JAN96	B	Mediomastus ambiseta	9171
10JAN96	C	Rhynchocoela (unidentified)	95
10JAN96	C	Oligochaetes (unidentified)	95
10JAN96	C	Glycinde solitaria	95
10JAN96	C	Diopatra cuprea	284
10JAN96	C	Streblospio benedicti	284
10JAN96	C	Spiochaetopterus costarum	189
10JAN96	C	Haploscoloplos foliosus	284
10JAN96	C	Cyclaspis varians	95
10JAN96	C	Caprellidae sp.	95
10JAN96	C	Microprotopus spp.	567
10JAN96	C	Macoma mitchelli	95
10JAN96	C	Oxyurostylis sp.	95
10JAN96	C	Mediomastus ambiseta	4538
10JAN96	D	Rhynchocoela (unidentified)	284
10JAN96	D	Oligochaetes (unidentified)	95
10JAN96	D	Eteone heteropoda	95
10JAN96	D	Neanthes succinea	189
10JAN96	D	Glycinde solitaria	284
10JAN96	D	Diopatra cuprea	95
10JAN96	D	Magelona phyllisae	95
10JAN96	D	Spiochaetopterus costarum	1229
10JAN96	D	Haploscoloplos foliosus	756
10JAN96	D	Clymenella torquata	95
10JAN96	D	Maldanidae (unidentified)	95
10JAN96	D	Pectinaria gouldii	95
10JAN96	D	Mulinia lateralis	95
10JAN96	D	Ampelisca abdita	95
10JAN96	D	Acteocina canaliculata	284
10JAN96	D	Nassarius acutus	95
10JAN96	D	Pandora trilineata	95
10JAN96	D	Macoma mitchelli	284
10JAN96	D	Parandalia ocularis	95
10JAN96	D	Oxyurostylis sp.	95
10JAN96	D	Mediomastus ambiseta	7091
03APR96	A	Rhynchocoela (unidentified)	95
03APR96	A	Glycinde solitaria	95
03APR96	A	Streblospio benedicti	756
03APR96	A	Capitella capitata	95
03APR96	A	Mulinia lateralis	284
03APR96	A	Balanus eburneus	95
03APR96	A	Edotea montosa	95
03APR96	A	Monoculodes sp.	378
03APR96	A	Hemicyclops sp.	473
03APR96	A	Rangia cuneata	284
03APR96	A	Littoridina sphinctostoma	8320
03APR96	A	Parandalia ocularis	189
03APR96	A	Mediomastus ambiseta	10778
03APR96	B	Gyptis vittata	95
03APR96	B	Glycinde solitaria	284
03APR96	B	Streblospio benedicti	473
03APR96	B	Haploscoloplos fragilis	284
03APR96	B	Pectinaria gouldii	95
03APR96	B	Cyclaspis varians	189

03APR96	B	Ampelisca abdita	189
03APR96	B	Monoculodes sp.	95
03APR96	B	Eulimostoma sp.	95
03APR96	B	Nudibranchia (unidentified)	95
03APR96	B	Littoridina sphinctostoma	95
03APR96	B	Oxyurostylis sp.	1418
03APR96	B	Mediomastus ambiseta	10684
03APR96	C	Glycinde solitaria	189
03APR96	C	Paraprionospio pinnata	95
03APR96	C	Haploscoloplos foliosus	189
03APR96	C	Pectinaria gouldii	95
03APR96	C	Cyclaspis varians	95
03APR96	C	Nassarius acutus	95
03APR96	C	Microprotopus spp.	189
03APR96	C	Oxyurostylis sp.	378
03APR96	C	Mediomastus ambiseta	1229
03APR96	C	No species observed	0
03APR96	D	Rhynchocoela (unidentified)	95
03APR96	D	Gyptis vittata	95
03APR96	D	Neanthes succinea	95
03APR96	D	Glycinde solitaria	95
03APR96	D	Polydora caulleryi	95
03APR96	D	Spiochaetopterus costarum	473
03APR96	D	Haploscoloplos fragilis	284
03APR96	D	Cossura delta	662
03APR96	D	Nuculana acuta	284
03APR96	D	Acteocina canaliculata	473
03APR96	D	Pandora trilineata	95
03APR96	D	Macoma mitchelli	284
03APR96	D	Parandalia ocularis	95
03APR96	D	Oxyurostylis sp.	189
03APR96	D	Mediomastus ambiseta	3120
10JUL96	A	Oligochaetes (unidentified)	189
10JUL96	A	Streblospio benedicti	1418
10JUL96	A	Mysella planulata	95
10JUL96	A	Mulinia lateralis	378
10JUL96	A	Cyclopoid copepod (commensal)	95
10JUL96	A	Balanus eburneus	95
10JUL96	A	Cyclaspis varians	2269
10JUL96	A	Ampelisca abdita	567
10JUL96	A	Acteocina canaliculata	95
10JUL96	A	Microprotopus spp.	95
10JUL96	A	Eulimostoma sp.	95
10JUL96	A	Rangia cuneata	284
10JUL96	A	Littoridina sphinctostoma	6335
10JUL96	A	Parandalia ocularis	473
10JUL96	A	Oxyurostylis sp.	851
10JUL96	A	Mediomastus ambiseta	17207
10JUL96	B	Rhynchocoela (unidentified)	189
10JUL96	B	Streblospio benedicti	2742
10JUL96	B	Haploscoloplos fragilis	189
10JUL96	B	Cyclaspis varians	95
10JUL96	B	Microprotopus spp.	95
10JUL96	B	Leucon sp.	95
10JUL96	B	Littoridina sphinctostoma	95
10JUL96	B	Mediomastus ambiseta	8415
10JUL96	C	Rhynchocoela (unidentified)	189

10JUL96	C	Glycera americana	95
10JUL96	C	Glycinde solitaria	95
10JUL96	C	Diopatra cuprea	95
10JUL96	C	Streblospio benedicti	95
10JUL96	C	Haploscoloplos fragilis	95
10JUL96	C	Mulinia lateralis	95
10JUL96	C	Cyclaspis varians	284
10JUL96	C	Acteocina canaliculata	95
10JUL96	C	Microprotopus spp.	95
10JUL96	C	Mediomastus ambiseta	2553
10JUL96	C	No species observed	0
10JUL96	D	Rhynchocoela (unidentified)	95
10JUL96	D	Gyptis vittata	95
10JUL96	D	Glycinde solitaria	378
10JUL96	D	Polydora caulleryi	189
10JUL96	D	Paraprionospio pinnata	284
10JUL96	D	Spiochaetopterus costarum	1324
10JUL96	D	Tharyx setigera	284
10JUL96	D	Haploscoloplos fragilis	95
10JUL96	D	Cossura delta	378
10JUL96	D	Branchioasychis americana	95
10JUL96	D	Pista palmata	95
10JUL96	D	Nuculana acuta	95
10JUL96	D	Aligena texasiana	284
10JUL96	D	Mulinia lateralis	473
10JUL96	D	Phoronis architecta	95
10JUL96	D	Acteocina canaliculata	473
10JUL96	D	Pyrgiscus sp.	95
10JUL96	D	Pandora trilineata	95
10JUL96	D	Sarsiella texana	95
10JUL96	D	Mysidopsis bahia	95
10JUL96	D	Caecum johnsoni	1229
10JUL96	D	Mediomastus ambiseta	473
15OCT96	A	Rhynchocoela (unidentified)	95
15OCT96	A	Neanthes succinea	95
15OCT96	A	Glycinde solitaria	95
15OCT96	A	Polydora socialis	95
15OCT96	A	Streblospio benedicti	4822
15OCT96	A	Mulinia lateralis	284
15OCT96	A	Edotea montosa	95
15OCT96	A	Ampelisca abdita	9171
15OCT96	A	Pelecypoda (unidentified)	95
15OCT96	A	Asychis elongata	95
15OCT96	A	Hemicyclops sp.	95
15OCT96	A	Littoridina sphinctostoma	3309
15OCT96	A	Parandalia ocularis	1135
15OCT96	A	Mediomastus ambiseta	9076
15OCT96	B	Gyptis vittata	95
15OCT96	B	Streblospio benedicti	756
15OCT96	B	Paraprionospio pinnata	189
15OCT96	B	Haploscoloplos fragilis	189
15OCT96	B	Mulinia lateralis	567
15OCT96	B	Mediomastus ambiseta	7658
15OCT96	C	Eteone heteropoda	95
15OCT96	C	Gyptis vittata	95
15OCT96	C	Streblospio benedicti	95
15OCT96	C	Spiochaetopterus costarum	378

15OCT96	C	Haploscoloplos fragilis	95
15OCT96	C	Mediomastus californiensis	95
15OCT96	C	Melinna maculata	189
15OCT96	C	Mulinia lateralis	378
15OCT96	C	Ophiuroidea (unidentified)	95
15OCT96	C	Hemicyclops sp.	95
15OCT96	C	Mediomastus ambiseta	6240
15OCT96	D	Rhynchocoela (unidentified)	95
15OCT96	D	Gyptis vittata	95
15OCT96	D	Glycinde solitaria	95
15OCT96	D	Polydora socialis	95
15OCT96	D	Polydora caulleryi	95
15OCT96	D	Spiochaetopterus costarum	1418
15OCT96	D	Tharyx setigera	851
15OCT96	D	Haploscoloplos fragilis	95
15OCT96	D	Clymenella torquata	95
15OCT96	D	Melinna maculata	95
15OCT96	D	Nuculana acuta	189
15OCT96	D	Mulinia lateralis	189
15OCT96	D	Periploma margaritaceum	189
15OCT96	D	Monoculodes sp.	95
15OCT96	D	Schizocardium sp.	95
15OCT96	D	Listriella barnardi	189
15OCT96	D	Nassarius acutus	189
15OCT96	D	Pyrgiscus sp.	95
15OCT96	D	Pandora trilineata	189
15OCT96	D	Vitrinellidae (unidentified)	95
15OCT96	D	Hemicyclops sp.	95
15OCT96	D	Parandalia ocularis	378
15OCT96	D	Caecum johnsoni	95
15OCT96	D	Mediomastus ambiseta	662
22JAN97	A	Rhynchocoela (unidentified)	95
22JAN97	A	Glycinde solitaria	95
22JAN97	A	Streblospio benedicti	1040
22JAN97	A	Scolelepis texana	189
22JAN97	A	Capitella capitata	95
22JAN97	A	Melinna maculata	189
22JAN97	A	Mulinia lateralis	95
22JAN97	A	Cyclaspis varians	95
22JAN97	A	Ampelisca abdita	42262
22JAN97	A	Melita nitida	95
22JAN97	A	Littoridina sphinctostoma	1796
22JAN97	A	Mediomastus ambiseta	10967
22JAN97	B	Rhynchocoela (unidentified)	189
22JAN97	B	Gyptis vittata	189
22JAN97	B	Glycinde solitaria	95
22JAN97	B	Diopatra cuprea	95
22JAN97	B	Streblospio benedicti	1513
22JAN97	B	Paraprionospio pinnata	95
22JAN97	B	Spiochaetopterus costarum	95
22JAN97	B	Haploscoloplos fragilis	284
22JAN97	B	Cyclaspis varians	473
22JAN97	B	Microprotopus spp.	95
22JAN97	B	Leucon sp.	95
22JAN97	B	Eulimostoma sp.	95
22JAN97	B	Rictaxis punctostriatus	189
22JAN97	B	Mediomastus ambiseta	7942

22JAN97	C	Anthozoa (unidentified)	284
22JAN97	C	Polydora caulleryi	1607
22JAN97	C	Streblospio benedicti	378
22JAN97	C	Paraprionospio pinnata	95
22JAN97	C	Scolelepis texana	95
22JAN97	C	Haploscoloplos fragilis	567
22JAN97	C	Axiothella mucosa	189
22JAN97	C	Melinna maculata	756
22JAN97	C	Mulinia lateralis	95
22JAN97	C	Ophiuroidea (unidentified)	189
22JAN97	C	Sarsiella texana	95
22JAN97	C	Asychis elongata	95
22JAN97	C	Mediomastus ambiseta	3971
22JAN97	D	Rhynchocoela (unidentified)	284
22JAN97	D	Paranaitis speciosa	95
22JAN97	D	Gyptis vittata	189
22JAN97	D	Diopatra cuprea	189
22JAN97	D	Schistomeringos rudolphi	189
22JAN97	D	Polydora caulleryi	284
22JAN97	D	Streblospio benedicti	189
22JAN97	D	Paraprionospio pinnata	378
22JAN97	D	Spiochaetopterus costarum	1324
22JAN97	D	Tharyx setigera	284
22JAN97	D	Haploscoloplos fragilis	284
22JAN97	D	Cossura delta	95
22JAN97	D	Axiothella mucosa	756
22JAN97	D	Clymenella torquata	662
22JAN97	D	Maldanidae (unidentified)	662
22JAN97	D	Melinna maculata	95
22JAN97	D	Mitrella lunata	95
22JAN97	D	Nuculana acuta	95
22JAN97	D	Aligena texasiana	95
22JAN97	D	Batea catharinensis	567
22JAN97	D	Phoronis architecta	189
22JAN97	D	Acteocina canaliculata	95
22JAN97	D	Pyrgiscus sp.	95
22JAN97	D	Erichthonias brasiliensis	95
22JAN97	D	Sarsiella texana	95
22JAN97	D	Pinnixa sp.	95
22JAN97	D	Vitrinellidae (unidentified)	95
22JAN97	D	Turbellaria (unidentified)	95
22JAN97	D	Parandalia ocularis	473
22JAN97	D	Caecum johnsoni	378
22JAN97	D	Rictaxis punctostriatus	95
22JAN97	D	Mediomastus ambiseta	2175
07APR97	A	Oligochaetes (unidentified)	95
07APR97	A	Diopatra cuprea	95
07APR97	A	Streblospio benedicti	662
07APR97	A	Littoridina sphinctostoma	284
07APR97	A	Parandalia ocularis	567
07APR97	A	Mediomastus ambiseta	8320
07APR97	B	Oligochaetes (unidentified)	95
07APR97	B	Streblospio benedicti	3120
07APR97	B	Haploscoloplos fragilis	95
07APR97	B	Melinna maculata	1040
07APR97	B	Mulinia lateralis	1229
07APR97	B	Ampelisca abdita	3593

07APR97	B	Monoculodes sp.	95
07APR97	B	Mediomastus ambiseta	6146
07APR97	C	Polydora caulleryi	95
07APR97	C	Streblospio benedicti	945
07APR97	C	Paraprionospio pinnata	189
07APR97	C	Haploscoloplos fragilis	378
07APR97	C	Cossura delta	95
07APR97	C	Maldanidae (unidentified)	189
07APR97	C	Melinna maculata	95
07APR97	C	Mulinia lateralis	473
07APR97	C	Phoronis architecta	95
07APR97	C	Leucon sp.	95
07APR97	C	Eulimostoma sp.	95
07APR97	C	Macoma mitchelli	189
07APR97	C	Turbellaria (unidentified)	95
07APR97	C	Mediomastus ambiseta	3498
07APR97	D	Ceratonereis irritabilis	95
07APR97	D	Lumbrineris parvapedata	95
07APR97	D	Polydora caulleryi	95
07APR97	D	Streblospio benedicti	189
07APR97	D	Spiochætopterus costarum	95
07APR97	D	Tharyx setigera	189
07APR97	D	Cossura delta	851
07APR97	D	Notomastus latericeus	95
07APR97	D	Maldanidae (unidentified)	1985
07APR97	D	Nuculana acuta	95
07APR97	D	Monoculodes sp.	95
07APR97	D	Mediomastus ambiseta	1607

Nitrogen in Estuarine Sediments

Sediment Samples Taken in Texas Estuaries.

Date	Station	Sabine	Trinity	Lavaca	Guadalupe	Mission	Nueces	Laguna
19OCT90	A				X			
19OCT90	B				X			
19OCT90	C				X			
19OCT90	D				X			
23OCT90	A			X				
23OCT90	B			X				
23OCT90	C			X				
23OCT90	D			X				
16OCT91	A						X	
16OCT91	B						X	
16OCT91	C						X	
16OCT91	E						X	
17OCT91	12							X
17OCT91	18							X
17OCT91	24							X

17OCT91	6								X
06OCT92	A			X					
06OCT92	B			X					
06OCT92	C			X					
06OCT92	D			X					
07OCT92	A				X				
07OCT92	B				X				
07OCT92	C				X				
07OCT92	D				X				
05OCT93	1	X	X						
05OCT93	2	X	X						
05OCT93	3	X	X						
05OCT93	4	X	X						
05OCT93	5	X	X						
05OCT93	6	X	X						
02NOV94	A						X		
02NOV94	B						X		
02NOV94	C						X		
02NOV94	F						X		
02NOV94	G						X		
02NOV94	H						X		
07NOV94	12								X
07NOV94	155								X
07NOV94	18								X
07NOV94	189								X
07NOV94	24								X
07NOV94	6								X
08NOV94	A					X			
08NOV94	B					X			
08NOV94	C					X			
08NOV94	D					X			
08NOV94	E					X			
08NOV94	F					X			
02OCT95	12								X
02OCT95	18								X
02OCT95	24								X
02OCT95	32								X
02OCT95	40								X
02OCT95	6								X
06OCT95	A						X		
06OCT95	B						X		
06OCT95	C						X		
06OCT95	F						X		
06OCT95	G						X		
06OCT95	H						X		
10OCT95	A					X			

10OCT95	B						X
10OCT95	C						X
10OCT95	D						X
10OCT95	E						X
10OCT95	F						X
14OCT96	A			X			
14OCT96	B			X			
14OCT96	C			X			
14OCT96	D			X			
14OCT96	E			X			
14OCT96	F			X			
15OCT96	A				X		
15OCT96	B				X		
15OCT96	C				X		
15OCT96	D				X		
15OCT96	E				X		
15OCT96	F				X		

Average Sediment Elemental Composition.

Middle of section depth in cm, Nitrogen and Carbon in % dry weight of sediment.

Sabine-Neches Estuary

Section	Element	1	2	3	4	5	6
0	N	0.060	0.121	0.100	0.067	0.084	0.065
2	N	0.086	0.090	0.065	0.054	0.068	0.070
5	N	0.058	0.085	0.071	0.054	0.061	0.073
10	N	0.038	0.071	0.075	0.062	0.044	0.095
15	N	0.042	0.059	0.070	0.081	0.046	0.074
20	N	0.037	0.115	0.103	0.052	0.056	0.088
40	N	0.025	0.040	0.060	0.122	0.054	0.044
60	N	0.022	0.043	0.050	0.094	0.052	0.051
80	N	0.034	0.045	0.045	0.032	0.065	0.041
100	N	0.033	0.049	0.050	0.045	0.053	0.044
0	C	0.590	1.248	0.947	0.608	0.786	0.907
2	C	0.938	0.921	0.677	0.501	0.661	0.909
5	C	0.636	0.892	0.743	0.524	0.600	1.057
10	C	0.391	0.771	0.793	0.631	0.561	1.222
15	C	0.466	0.630	0.717	0.842	0.554	0.939
20	C	0.391	1.283	1.196	0.506	0.588	1.034
40	C	0.229	0.403	0.697	1.215	0.618	0.585
60	C	0.200	0.480	0.642	1.034	0.661	0.860
80	C	0.438	0.524	0.559	0.437	0.812	0.529

100	C	0.392	0.578	0.594	0.764	0.659	0.570

Trinity-San Jacinto Estuary

Section	Element	1	2	3	4	5	6
0	N	0.112	0.157	0.144	0.045	0.168	0.171
2	N	0.115	0.138	0.120	0.048	0.173	0.081
5	N	0.099	0.133	0.112	0.056	0.092	0.083
10	N	0.102	0.127	0.109	0.035	0.051	0.075
15	N	0.102	0.120	0.090	0.038	0.085	0.076
20	N	0.088	0.095	0.094	0.039	0.082	0.080
40	N	0.090	0.095	0.139	0.051	0.050	0.058
60	N	0.096	0.111	0.161	0.061	0.039	0.067
80	N	0.088	0.117	0.153	0.028	0.030	0.063
100	N	0.067	0.100	0.162	0.045	0.031	0.061
0	C	1.020	1.328	1.241	0.478	1.314	1.638
2	C	1.035	1.240	1.072	0.476	1.374	1.314
5	C	1.014	1.255	1.032	0.599	0.861	1.359
10	C	1.105	1.218	1.021	0.415	0.526	0.844
15	C	1.177	1.230	0.887	0.470	0.818	0.803
20	C	1.104	0.999	0.885	0.424	0.797	0.841
40	C	1.234	0.986	1.234	0.551	0.489	0.629
60	C	1.213	1.001	1.347	0.619	0.446	0.702
80	C	0.859	1.163	1.233	0.403	0.349	0.695
100	C	0.672	1.114	1.320	0.570	0.430	0.735

Lavaca-Colorado Estuary

Section	Element	A	B	C	D	E	F
1	N	0.091	0.077	0.113	0.112	0.127	0.094
3	N	0.075	0.073	.	0.114	0.123	0.089
6	N	0.056	0.072	0.123	0.099	0.112	0.071
10	N	0.076	0.069	0.061	0.057	.	.
11	N	0.076	0.065	0.071	0.075	0.099	0.067
16	N	.	.	.	0.060	0.098	0.060
20	N	0.076	0.059	0.040	0.039	0.095	0.055
30	N	0.049	0.069	0.046	0.023	.	.
40	N	0.045	0.081	0.047	0.031	0.085	0.067
50	N	0.046	0.058	0.041	0.023	.	.
60	N	0.044	0.056	0.034	0.021	0.087	0.028
70	N	0.049	0.057	0.051	0.031	.	.
80	N	0.039	0.060	0.046	0.028	0.078	0.003
90	N	0.038	0.067	0.060	0.031	.	.
100	N	0.037	0.044	0.049	0.092	0.062	.

1	C	1.367	1.248	1.612	1.735	1.876	2.239
3	C	1.324	1.277	.	1.694	1.903	2.273
6	C	1.279	1.598	1.642	1.668	1.847	2.143
10	C	1.079	1.258	1.664	1.356	.	.
11	C	1.471	1.509	1.511	1.622	1.905	2.116
16	C	.	.	.	1.802	1.698	2.156
20	C	1.199	1.240	1.945	1.045	1.742	1.884
30	C	1.114	1.425	1.614	0.498	.	.
40	C	1.243	1.596	1.503	0.855	1.833	2.038
50	C	1.121	1.510	1.633	0.559	.	.
60	C	0.944	1.474	1.465	0.646	1.686	1.042
70	C	1.120	2.193	1.483	0.835	.	.
80	C	1.089	1.234	1.437	0.880	1.523	0.288
90	C	0.880	1.472	1.486	0.956	.	.
100	C	1.000	1.604	1.524	0.859	1.323	.

Guadalupe Estuary

Section	Element	A	B	C	D	E	F
1	N	0.064	0.118	0.081	0.020	0.035	0.106
3	N	0.110	0.110	0.053	0.027	0.038	0.055
6	N	0.107	0.107	0.061	0.027	0.047	0.044
10	N	0.075	0.088	0.041	0.025	.	.
11	N	0.078	0.078	0.068	0.021	0.042	0.030
16	N	.	.	0.067	0.021	0.040	0.040
20	N	0.069	0.076	0.057	0.030	0.050	0.045
30	N	0.077	0.094	0.055	0.031	.	.
40	N	0.068	0.079	0.055	0.030	0.028	0.035
50	N	0.053	0.072	0.056	0.033	.	.
60	N	0.054	0.070	0.054	0.024	0.039	0.043
70	N	0.048	0.074	0.044	0.028	.	.
80	N	0.047	0.067	0.050	0.035	0.035	0.035
90	N	0.048	0.066	0.041	0.024	.	.
100	N	0.077	0.068	0.038	0.018	0.038	0.038
1	C	3.632	3.390	2.920	0.558	0.946	2.220
3	C	3.922	3.922	2.650	0.707	0.983	1.430
6	C	3.662	3.662	2.927	0.071	1.010	1.261
10	C	3.623	3.954	2.693	0.855	.	.
11	C	4.691	4.691	2.969	0.575	1.299	1.129
16	C	.	.	2.963	0.610	1.349	1.464
20	C	3.517	3.656	2.744	1.007	1.183	1.463
30	C	3.645	3.569	2.892	1.087	.	.
40	C	3.545	3.533	2.975	1.046	0.952	1.655
50	C	4.086	3.896	2.857	1.058	.	.
60	C	4.065	3.473	3.251	0.797	1.365	1.898

70	C	4.042	3.528	2.869	1.021	.	.
80	C	3.274	3.034	3.046	1.152	2.048	2.106
90	C	3.445	3.040	3.084	1.067	.	.
100	C	3.215	3.214	3.384	1.748	3.160	2.864

Mission-Aransas Estuary

Section	Element	A	B	C	D	E	F
1	N	0.104	0.180	0.102	0.160	0.183	0.180
3	N	0.101	0.155	0.107	0.132	0.151	0.148
6	N	0.574	0.161	0.052	0.101	0.125	0.114
10	N	0.069	0.108	0.046	0.079	0.106	0.084
11	N	0.070	0.100	0.040	0.090	0.000	0.080
16	N	0.066	0.098	0.030	0.080	0.099	0.083
20	N	0.078	0.095	0.047	0.073	0.095	0.087
40	N	0.057	0.076	0.071	0.065	0.093	0.078
60	N	0.060	0.071	0.050	0.062	0.082	0.079
80	N	0.085	0.069	0.068	0.050	0.088	0.080
100	N	0.144	0.072	0.020	0.051	0.064	0.076
1	C	1.421	2.479	2.368	2.747	1.599	3.045
3	C	1.292	2.287	2.295	2.390	1.497	2.826
6	C	0.654	2.236	1.680	2.091	1.509	2.685
10	C	1.183	2.179	1.246	1.932	1.350	2.443
11	C	0.860	1.970	1.440	2.100	0.000	2.250
16	C	1.300	2.215	1.334	2.085	1.444	2.284
20	C	1.217	2.271	1.770	1.985	1.376	2.370
40	C	1.061	2.530	3.269	2.013	1.639	2.644
60	C	1.595	2.761	3.674	1.971	3.248	2.535
80	C	1.808	2.480	2.569	2.053	2.299	2.627
100	C	2.217	2.360	1.315	2.136	3.505	2.595

Nueces Estuary

Section	Element	A	B	C	E	F	G	H
1	N	0.088	0.031	0.080	.	0.058	0.078	0.185
3	N	0.062	0.033	0.079	.	0.050	0.096	0.160
6	N	0.064	0.035	0.089	.	0.058	1.128	0.116
10	N	0.053	0.037	0.083	0.056	0.065	0.084	0.087
11	N	0.070	0.030	0.080	.	0.050	0.110	0.100
16	N	0.070	0.035	0.091	.	0.060	0.095	0.102
20	N	0.059	0.028	0.093	0.052	0.070	0.106	0.111
30	N	0.050	0.033	0.099	0.043	.	.	.
40	N	0.061	0.041	0.100	0.033	0.062	0.114	0.124
50	N	0.053	0.027	0.100	0.027	.	.	.

60	N	0.070	0.036	0.086	0.025	0.049	0.093	0.126
70	N	0.063	0.034	0.089	0.024	.	.	.
80	N	0.069	0.042	0.082	0.024	0.029	0.081	0.099
90	N	0.064	0.033	.	0.023	.	.	.
100	N	0.061	0.038	0.064	.	0.033	0.071	0.087
1	C	2.936	1.250	3.960	.	2.059	3.107	2.025
3	C	2.036	1.646	2.258	.	2.848	2.442	1.998
6	C	2.114	1.123	2.183	.	1.939	1.265	1.696
10	C	2.245	1.022	2.284	0.943	1.924	2.121	1.552
11	C	2.040	0.710	2.650	.	2.620	2.300	1.630
16	C	2.328	1.029	1.869	.	1.962	2.478	1.821
20	C	2.147	0.991	2.444	0.804	1.712	2.070	1.590
30	C	2.243	0.870	1.889	0.698	.	.	.
40	C	2.290	1.050	1.707	0.588	1.846	2.923	2.076
50	C	2.324	0.846	2.956	0.679	.	.	.
60	C	2.195	1.594	2.463	0.489	1.532	1.949	1.697
70	C	2.071	0.913	1.889	0.603	.	.	.
80	C	2.093	1.127	1.801	0.694	1.112	2.621	1.656
90	C	2.167	0.947	.	0.641	.	.	.
100	C	2.297	1.269	2.787	.	1.469	2.538	1.998

Laguna Madre-Baffin Bay Estuary

Section	Element	40	32	24	18	12	6	189	155
1	N	0.123	0.134	0.239	0.227	0.272	0.249	0.180	0.190
3	N	0.102	0.148	0.220	0.209	0.218	0.225	0.300	0.210
6	N	0.088	0.104	0.186	0.162	0.162	0.080	0.040	0.040
10	N	0.076	0.075	0.128	0.158	0.155	0.178	.	.
11	N	.	.	0.160	0.130	0.120	0.130	0.070	0.030
15	N	0.058	.	0.092	.	.	.	.	.
16	N	.	0.066	0.140	0.131	0.169	0.135	0.120	0.060
20	N	0.052	0.083	0.073	0.140	0.140	0.175	0.050	0.050
30	N	.	.	0.123	0.143	0.155	0.131	.	.
40	N	0.130	0.070	0.139	0.134	0.130	0.189	0.030	0.170
50	N	.	.	0.166	0.146	0.147	0.179	.	.
60	N	0.127	0.061	0.113	0.128	0.203	0.202	0.020	0.010
70	N	.	.	0.212	0.145	0.211	0.163	.	.
80	N	0.077	0.097	0.158	0.178	0.190	0.154	0.000	0.030
90	N	.	.	0.152	0.187	0.172	0.207	.	.
100	N	0.028	0.081	0.152	0.140	0.144	0.123	.	0.020
1	C	2.099	1.880	2.021	2.116	2.319	2.426	2.290	2.820
3	C	1.850	1.909	1.950	1.838	2.053	2.357	3.650	3.170
6	C	1.814	1.403	1.764	1.612	2.140	1.282	2.480	1.120
10	C	1.385	1.151	1.588	1.626	1.512	1.753	.	.
11	C	.	.	1.910	1.700	1.320	1.390	1.480	2.710

15	C	1.105	.	1.260	.	.	.	.	.
16	C	.	1.154	1.660	1.600	1.713	1.594	2.020	2.930
20	C	1.241	1.133	0.844	1.446	1.371	1.853	1.950	8.350
30	C	.	.	1.260	1.338	0.455	1.477	.	.
40	C	3.108	1.264	1.669	1.346	2.231	2.789	4.400	3.390
50	C	.	.	2.114	1.386	2.888	2.766	.	.
60	C	3.101	1.351	2.192	1.910	3.588	3.715	3.270	0.140
70	C	.	.	3.751	2.292	3.880	2.325	.	.
80	C	1.857	2.818	3.863	3.078	3.566	2.754	0.030	6.630
90	C	.	.	3.580	2.943	3.645	3.627	.	.
100	C	0.451	1.926	2.647	2.994	2.212	2.281	.	2.820

Average Vertical Distribution of N Content (%) among Stations Within Estuaries

Abbreviations: SN=Sabine-Neches, TJ=Trinity-San Jacinto, LC=Lavaca-Colorado, GE=Guadalupe, NC=Nueces, and BB=Baffin Bay.

Depth	SN	TJ	LC	GE	MA	NC	LM
0	0.083	0.133					
1			0.102	0.071	0.151	0.087	0.217
2	0.072	0.113					
3			0.095	0.066	0.132	0.080	0.208
5	0.067	0.096					
6			0.089	0.066	0.188	0.248	0.121
10	0.064	0.083	0.066	0.057	0.082	0.064	0.139
11			0.076	0.053	0.063	0.073	0.107
15	0.062	0.085					0.075
16			0.073	0.042	0.076	0.075	0.125
20	0.075	0.080	0.055	0.056	0.079	0.073	0.114
30			0.047	0.064		0.056	0.138
40	0.058	0.081	0.053	0.056	0.073	0.078	0.136
50						0.052	0.160
60	0.052	0.089	0.040	0.049	0.067	0.071	0.135
70			0.047	0.050		0.053	0.183
80	0.044	0.080	0.040	0.049	0.073	0.064	0.140
90			0.050	0.049		0.040	0.178
100	0.046	0.078	0.054	0.046	0.071	0.057	0.120

DISCUSSION

Long-Term Change in Benthos

The Lavaca-Colorado and Guadalupe Estuaries are similar in the amount of freshwater inflow they receive, but different in two key attributes. The Lavaca-Colorado Estuary (910 km^2 at mean tide) is almost twice as large as the Guadalupe Estuary (579 km^2 at mean tide). The Lavaca-Colorado also has direct exchange of marine water with the Gulf of Mexico via Pass Cavallo and the Matagorda Ship Channel. Because it is smaller and has restricted exchange, the Guadalupe generally has lower salinities (average 14 ppt from 1987-1997) than the Lavaca-Colorado (average 20 ppt from 1988-1997). This indicates that freshwater inflow has a greater effect on the upper part of San Antonio Bay than on Lavaca Bay. This conclusion is supported by several pieces of data. The salinity time series show that at any given time the salinities are lower in the Guadalupe, both estuarine-wide, and particularly at stations A and B in both estuaries. The amount of total carbon in sediments is much greater in the Guadalupe than in the Lavaca-Colorado (Montagna, 1991). Carbon content of Lavaca-Colorado sediments and Guadalupe-station D sediments are about 1%, but carbon content in the Guadalupe at station C is 3%, and at stations A and B around 4%. The carbon data indicate that organic matter is being trapped or not exported from the Guadalupe Estuary. Profiles of nitrogen content exhibit the same trends found in carbon, but there is less difference in total nitrogen content between the estuaries, both being about 0.05% (Montagna, 1991). Sediment texture is similar in both estuaries, and are characterized by silt-clay sediments, with increasing grain sizes from the upper to the lower parts of the estuaries.

Macrofauna abundance and biomass is generally larger in the Guadalupe Estuary than in the Lavaca-Colorado Estuary. The average abundance in the Lavaca-Colorado among all times and stations was 12,028 individuals$\cdot m^{-2}$, and the average biomass was 4.98 $g \cdot m^{-2}$. The average abundance in the Guadalupe among all times and stations was 22,100 individuals$\cdot m^{-2}$, and the average biomass was 8.18 $g \cdot m^{-2}$. The differences between the estuaries is probably due to the greater ratio of the volume of inflow relative to size of the bays. Diversity is generally greater in the Lavaca-Colorado Estuary (average 16 species found per station-date sampling period) than in the Guadalupe Estuary (average 11 species found per station-date sampling period). These results indicate that freshwater inflow is less diluted by marine water in the Guadalupe Estuary, so we find higher benthic productivity. The greater Gulf exchange in the Lavaca-Colorado leads to more oceanic species present in the that estuary, so we find higher diversity.

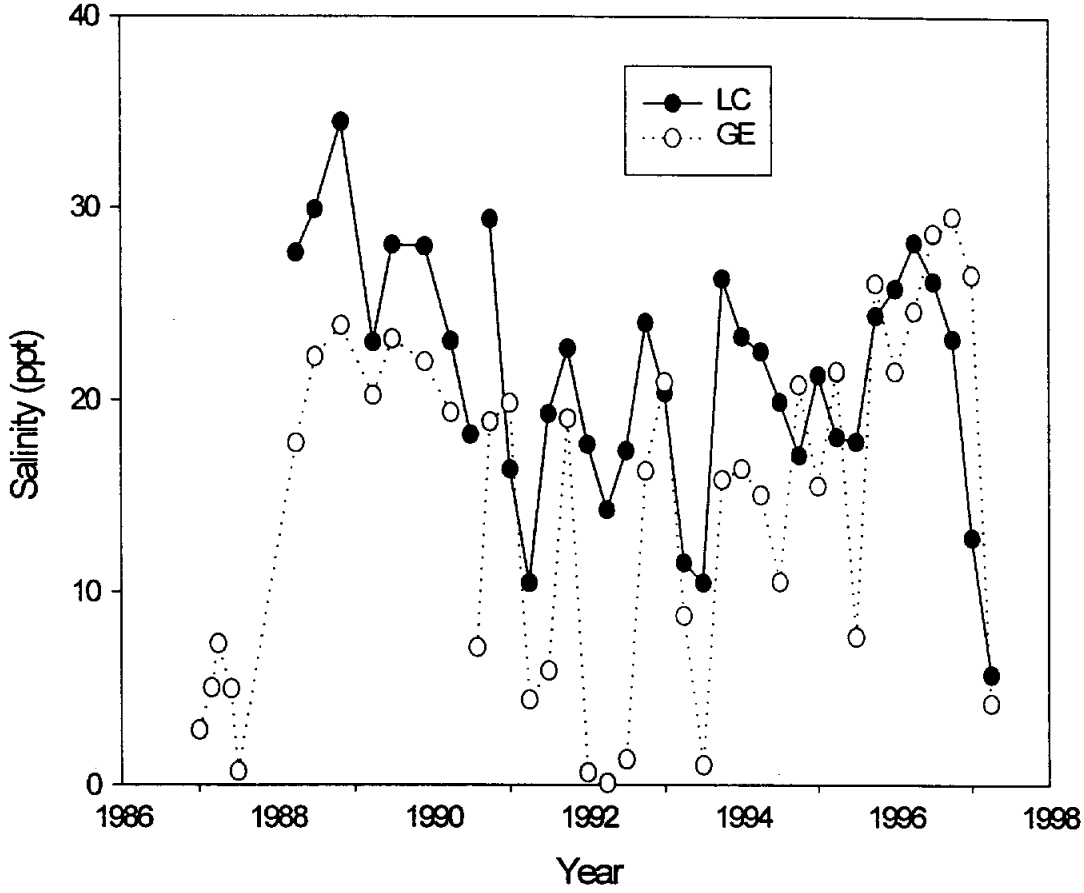
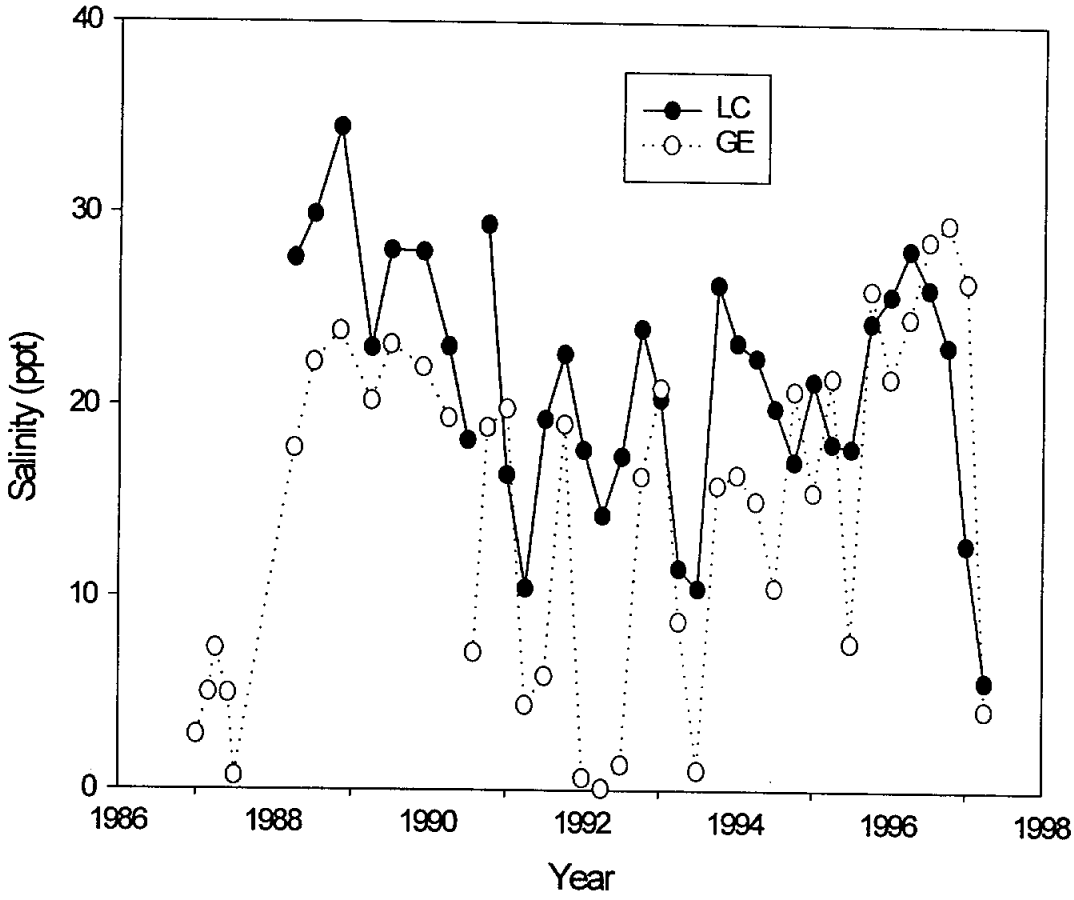


Figure 2 Long-term change in salinity in two estuaries.

The time series data show that there are large year-to-year fluctuations in both estuaries for both freshwater inflow and benthic community response. We have a continuous cycle of drought and flood conditions. The flood cycles are coincident with El Niño events in the western Pacific Ocean. So, climatic cycles in Texas are apparently caused by global changes. These cycles regulate freshwater inflow, and thus, directly affect the biological communities. The variability in the freshwater inflow cycle results in predictable changes in the estuary. Our study of the Guadalupe Estuary demonstrates the biological effects of this cycle. Flood conditions



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abundances generally decreased during this drought period to the lowest recorded. As predicted in last years report (Montagna, 1991; p. 41) there were increased densities in the spring of 1992. The large flood of 1992 should result in densities increasing to the 20,000·m^{-2} range during 1993. Time series analysis requires at least three cycles to have occurred. When we have enough data, we can fit the data to time series models.

Nitrogen Losses

If nitrogen enters bays via rivers and it is buried, then we would expect higher nitrogen values in sediments at the head of estuaries. This is because river empties into the secondary bay, and more nitrogen should be trapped in the upper reaches of the bay. The station trends in all estuaries confirm this hypothesis (Figures 3 - 9). The only estuary where the trend is not strong is in the Sabine-Neches Estuary (Figure 3).

If nitrogen is utilized, or transformed in the biologically active labile zone, then there should be higher values in upper layers of sediment and lower values at lower layers in the refractory zone. This hypothesis is confirmed by the trends seen in the estuary-wide average nitrogen content (Figure 10). The labile zone appears to be between 20 and 40 cm in most estuaries. Nitrogen content in most estuarine sediment is 0.08 to 0.15 percent at the surface, and declines to 0.04 to 0.08 percent. That the refractory zone is as deep as 40 cm is surprising, but this could be due to anthropogenic influences, e.g., shrimping and dredging. It is very difficult to know how much area sampled is subject to these disturbances. An alternative hypothesis to a labile and refractory zone is that there is simply more nitrogen coming into bays today than at previous times. This would also explain the vertical distribution of nitrogen content in sediments. In contrast, Laguna Madre has the highest nitrogen content, 0.2 at the surface and 0.15 at depth, due to seagrass detritus.

Man can influence another key component that affects nitrogen loss. In general, it is thought that the sedimentation rate in Texas estuaries is about 1 cm per 100 years (Behrens, 1980). However, recent water projects, particularly dams, have probably decreased this rate. An average nitrogen background level, i.e., the average content at about 40 cm is about 0.05%. The average surface nitrogen content is about 0.1%, so the change between the labile and refractory zone is a factor of 2. This implies that half of the nitrogen arriving at the sediment surface is lost to the system via burial.

CONCLUSION

The main difference between the Guadalupe and Lavaca-Colorado Estuaries relate to both size and Gulf exchange. Freshwater inflow has a larger impact on the smaller-restricted Guadalupe Estuary than in the Lavaca-Colorado. Both the smaller size and restricted inflow have synergistic effects, thus the Guadalupe is generally fresher and has higher carbon content than the Lavaca-Colorado. These conditions lead to higher benthic productivity in the Guadalupe Estuary. On the other hand, higher salinities and invasion of marine species is responsible for a more diverse community in Lavaca-Colorado Estuary. There is long-term, year-to-year variability in inflow that drives benthic community succession, and results in different levels of productivity from year-to-year. It is now apparent that the long-term changes may be related to global climate cycles, e.g., El Niño events in the western Pacific Ocean. By October 1993, we will have sample one complete cycle from beginning to end to beginning.

Nitrogen is lost within the top 20 cm of sediment. Profiles of nitrogen content do not generally decline with depth beyond the top 20 cm. Laguna Madre sediments has the highest nitrogen content of all Texas estuaries.

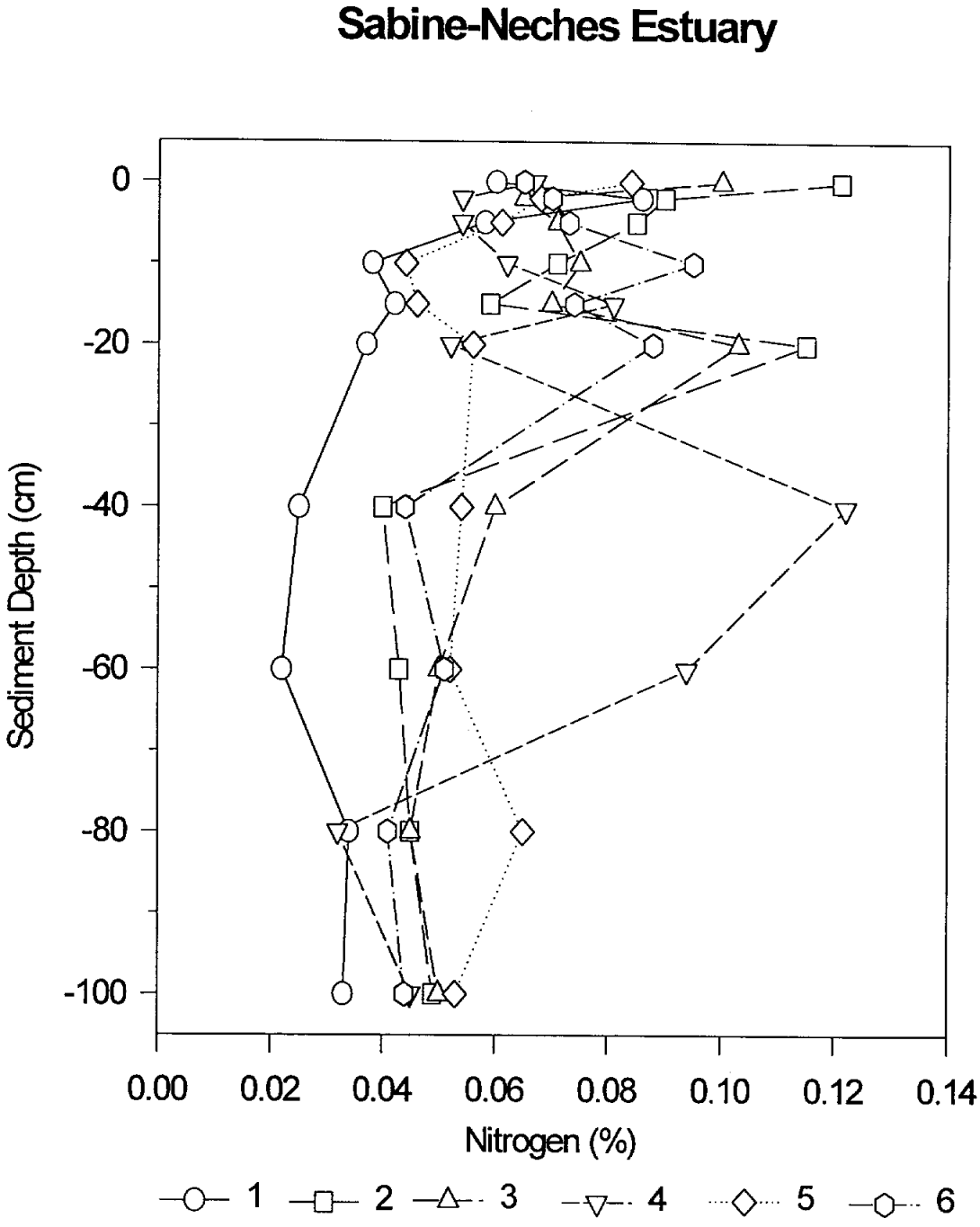

Figure 3 Nitrogen profile for stations in the Sabine-Neches Estuary.

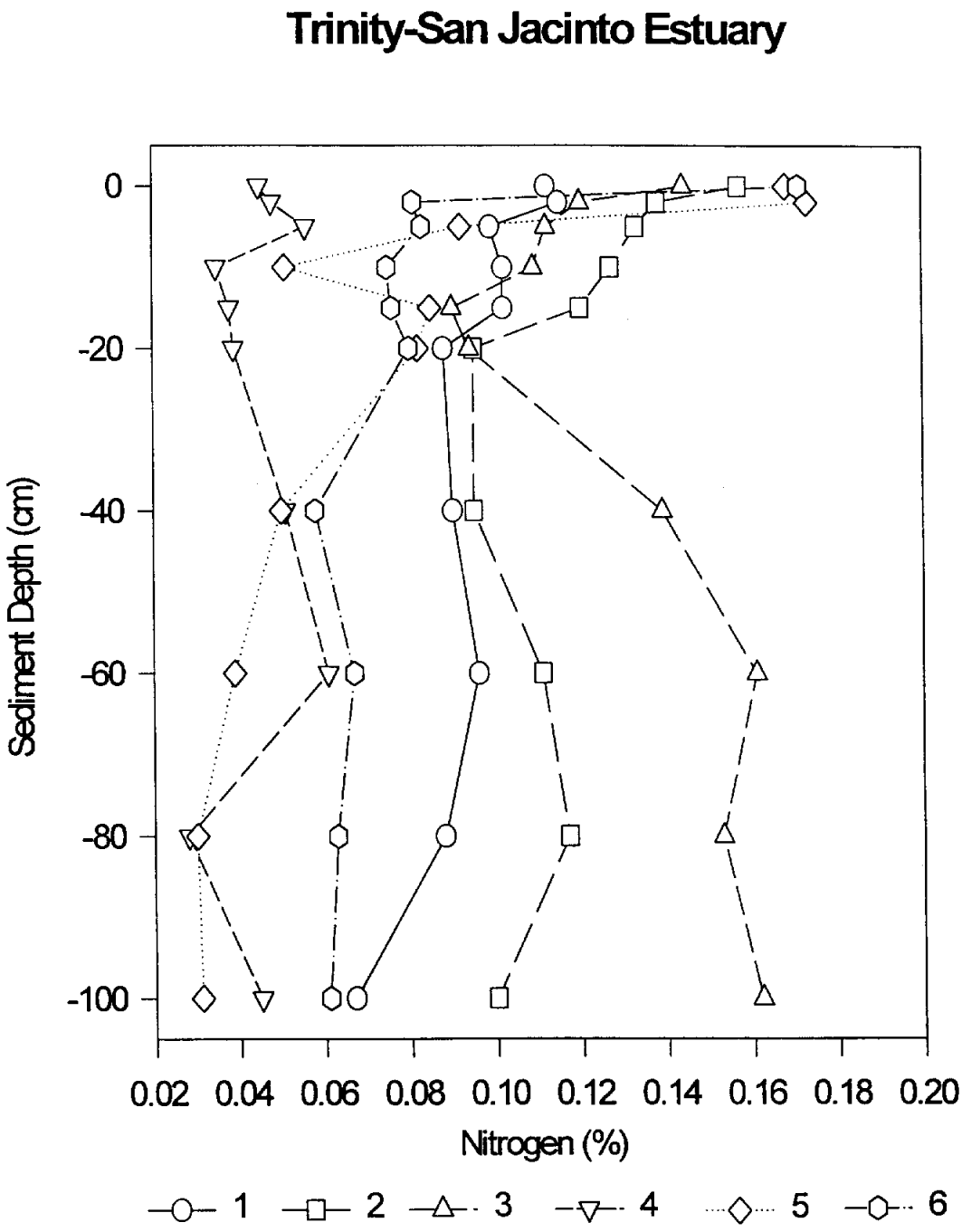

Figure 4 Nitrogen Profile for the Trinity-San Jacinto Estuary.

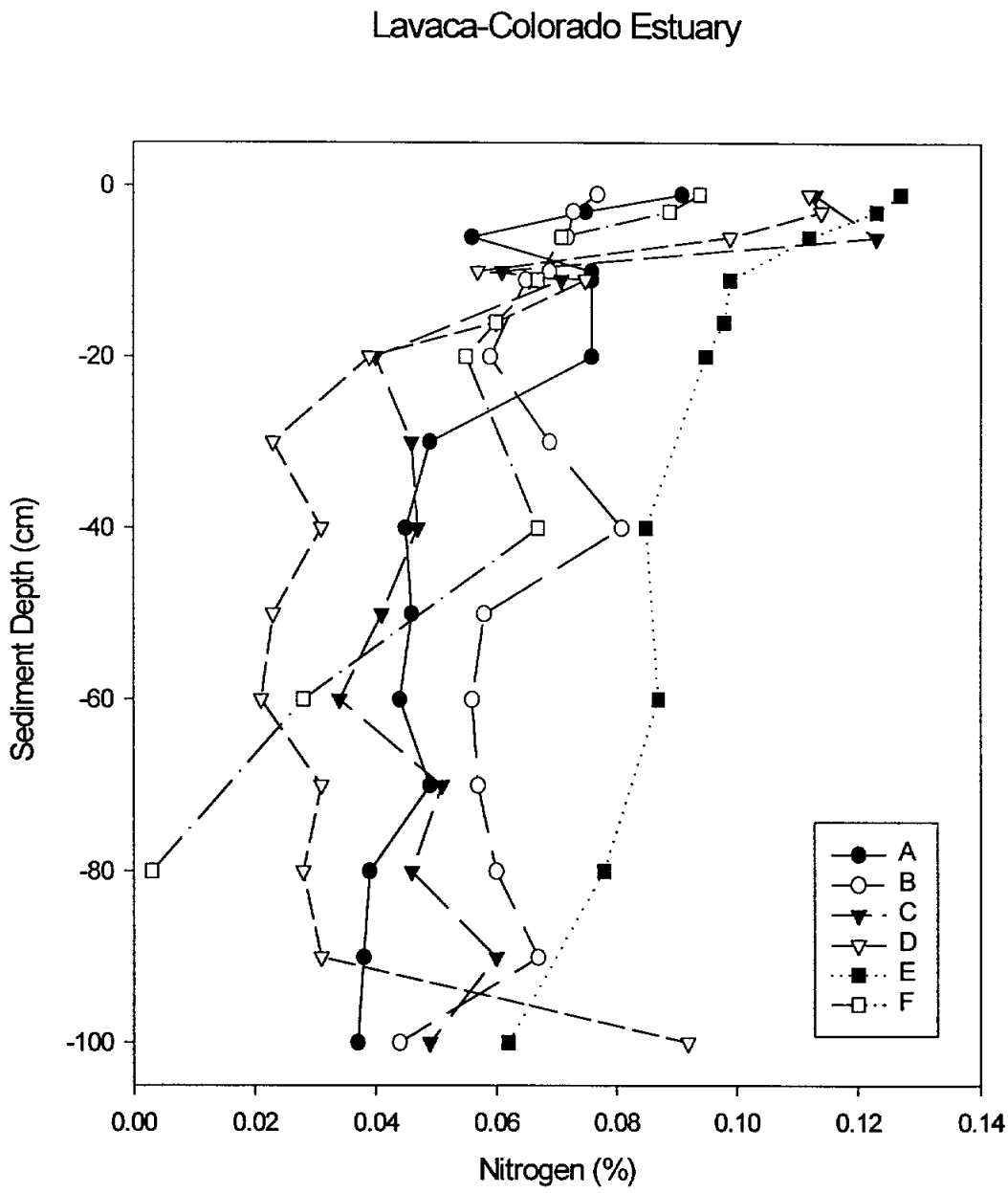

Figure 5 Nitrogen profile for stations in the Lavac-Colorado Estuary.

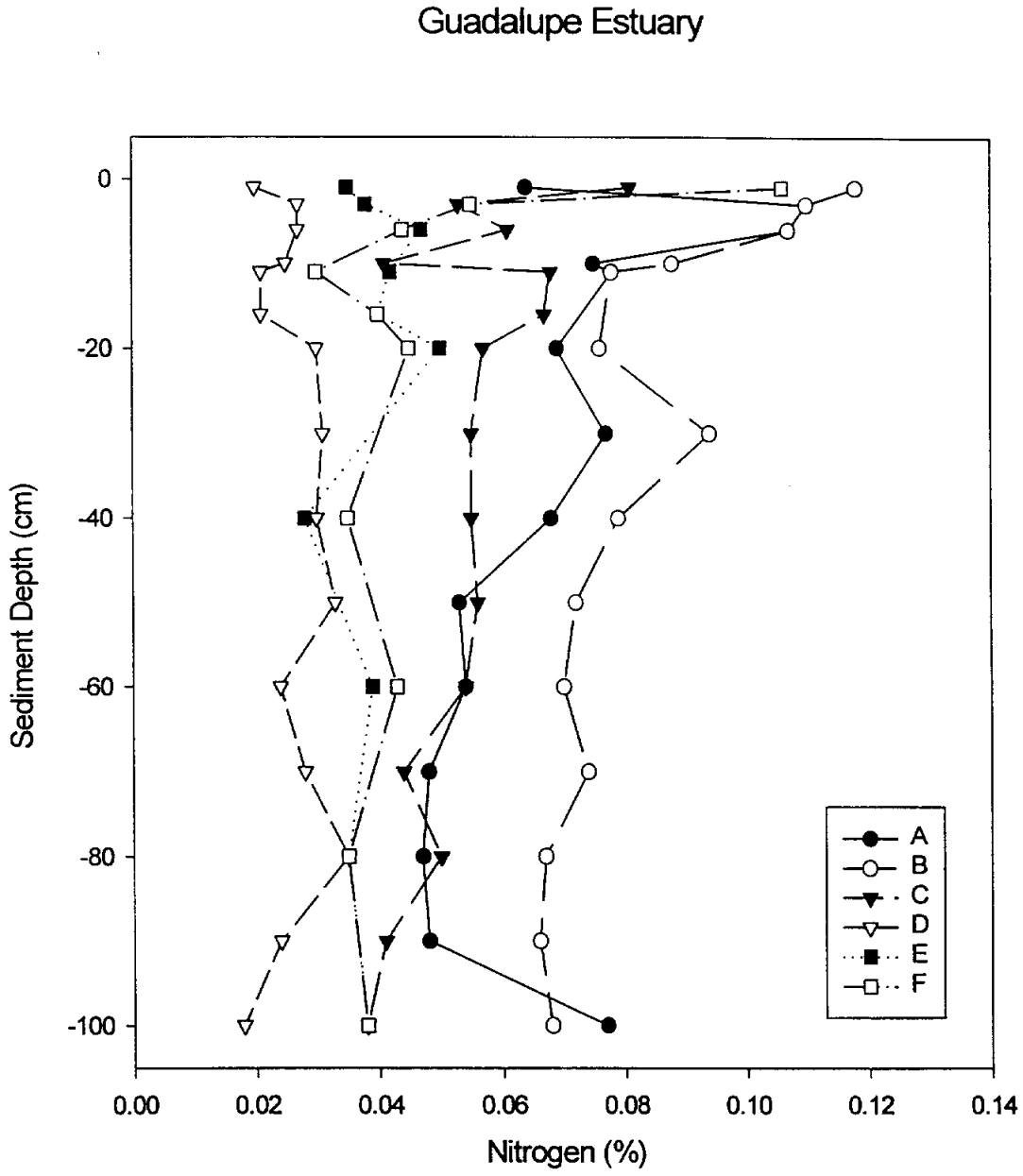

Figure 6 Nitrogen profile for stations in the Guadalupe Estuary.

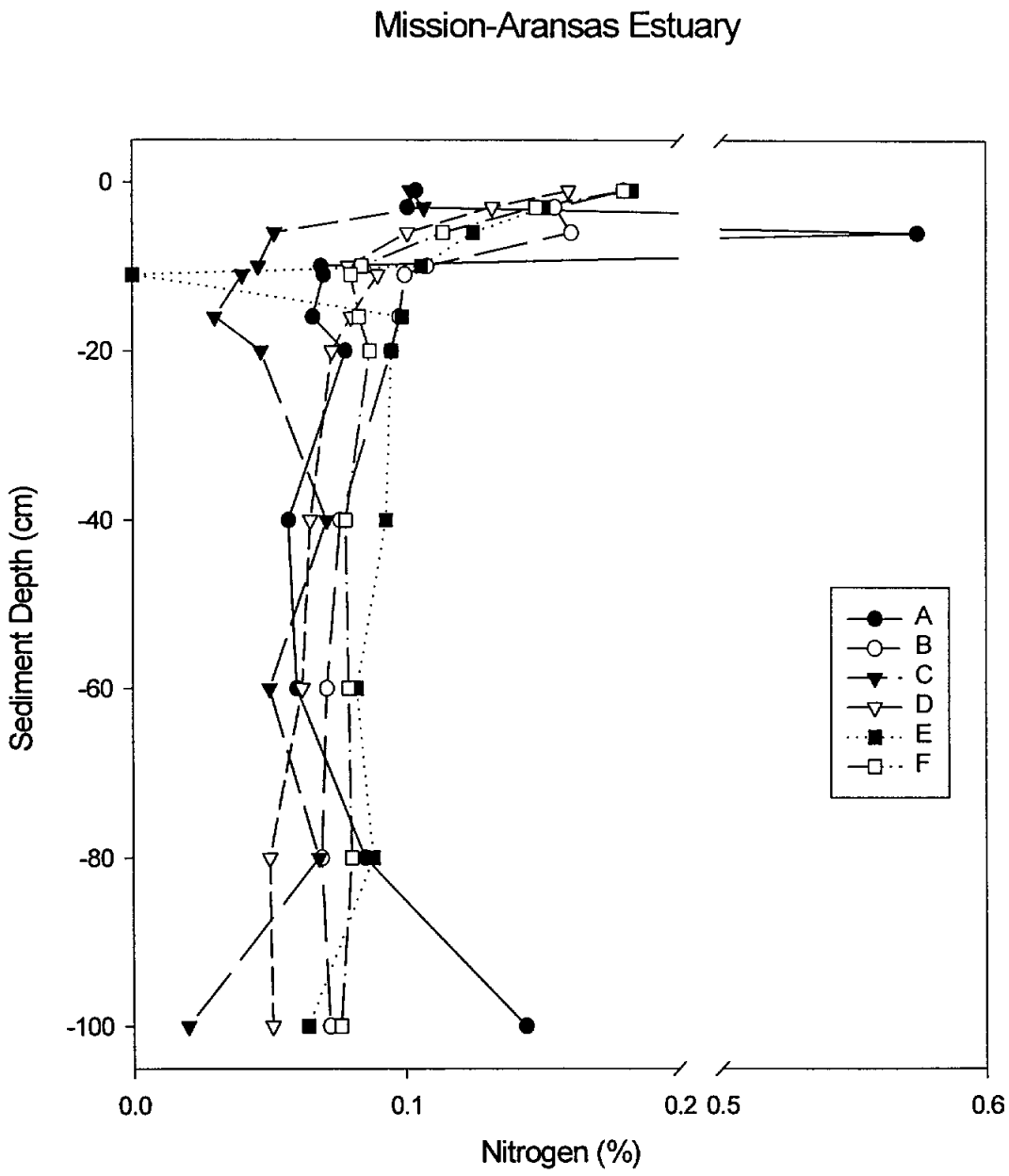

Figure 7 Nitrogen prodile for stations in the Mission-Aransas Estuary.

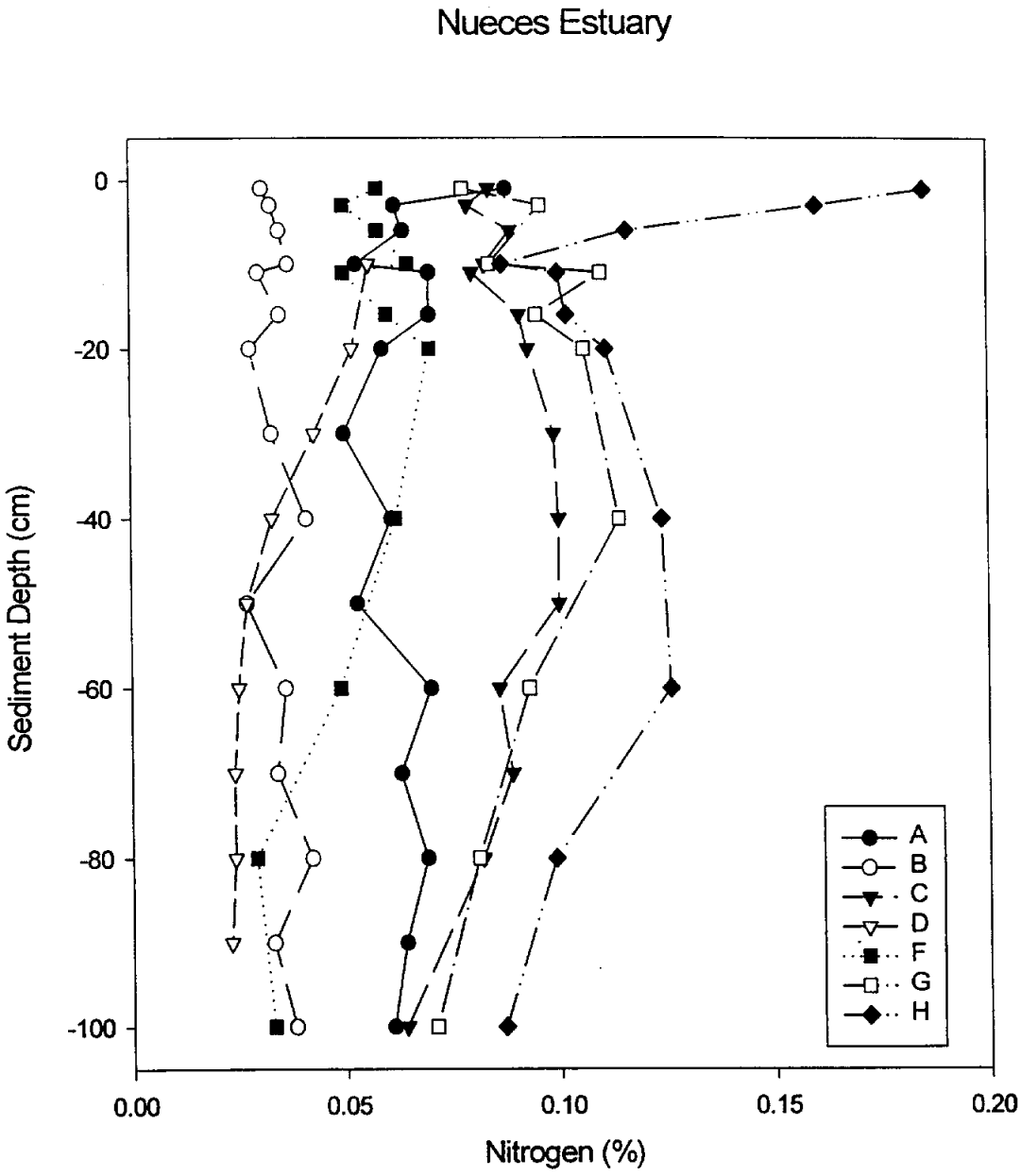

Figure 8 Nitrogen profile for stations in the Nueces Estuary.

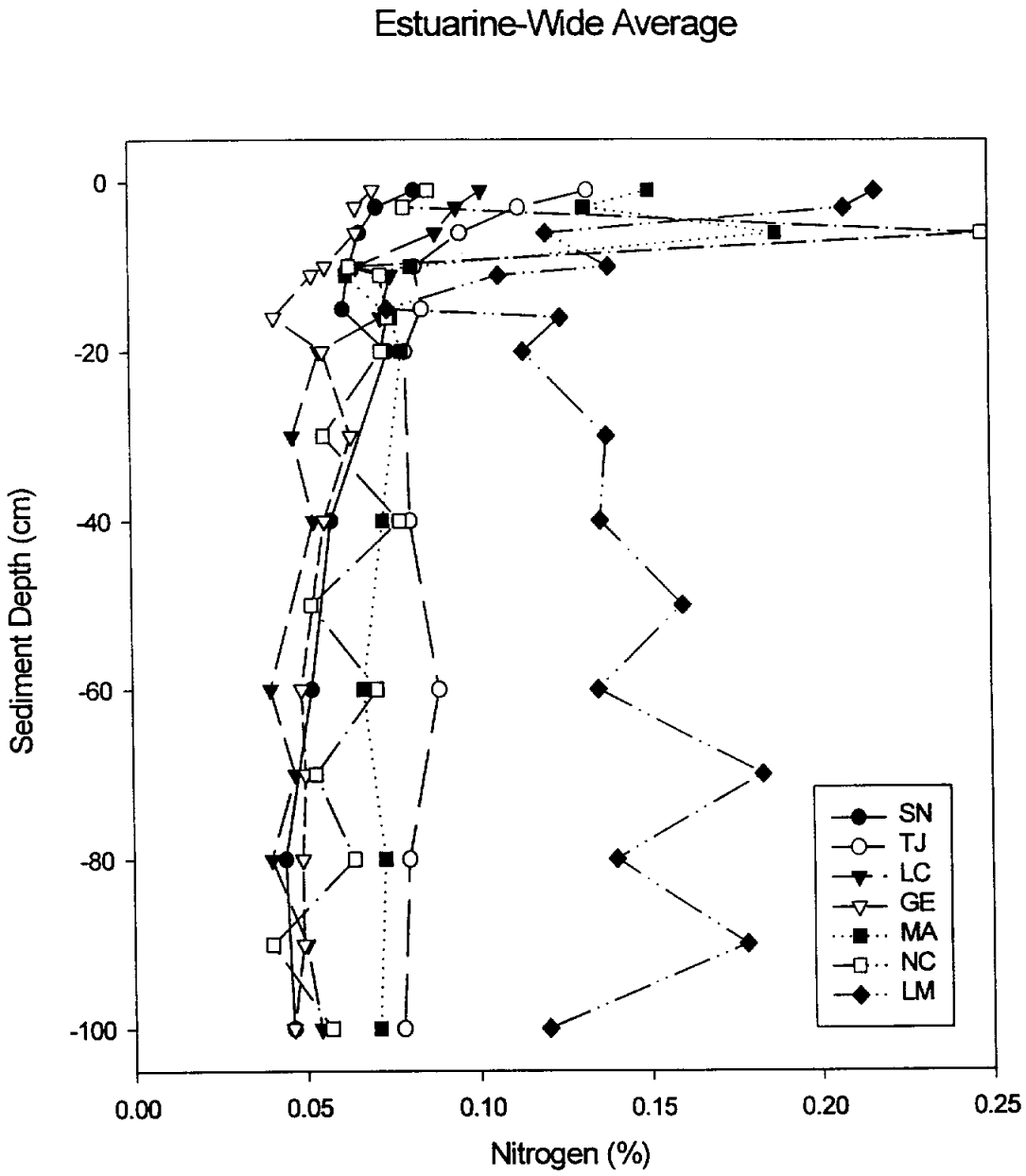

Figure 10 Average nitrogen profile for all stations within each Texas estruary.

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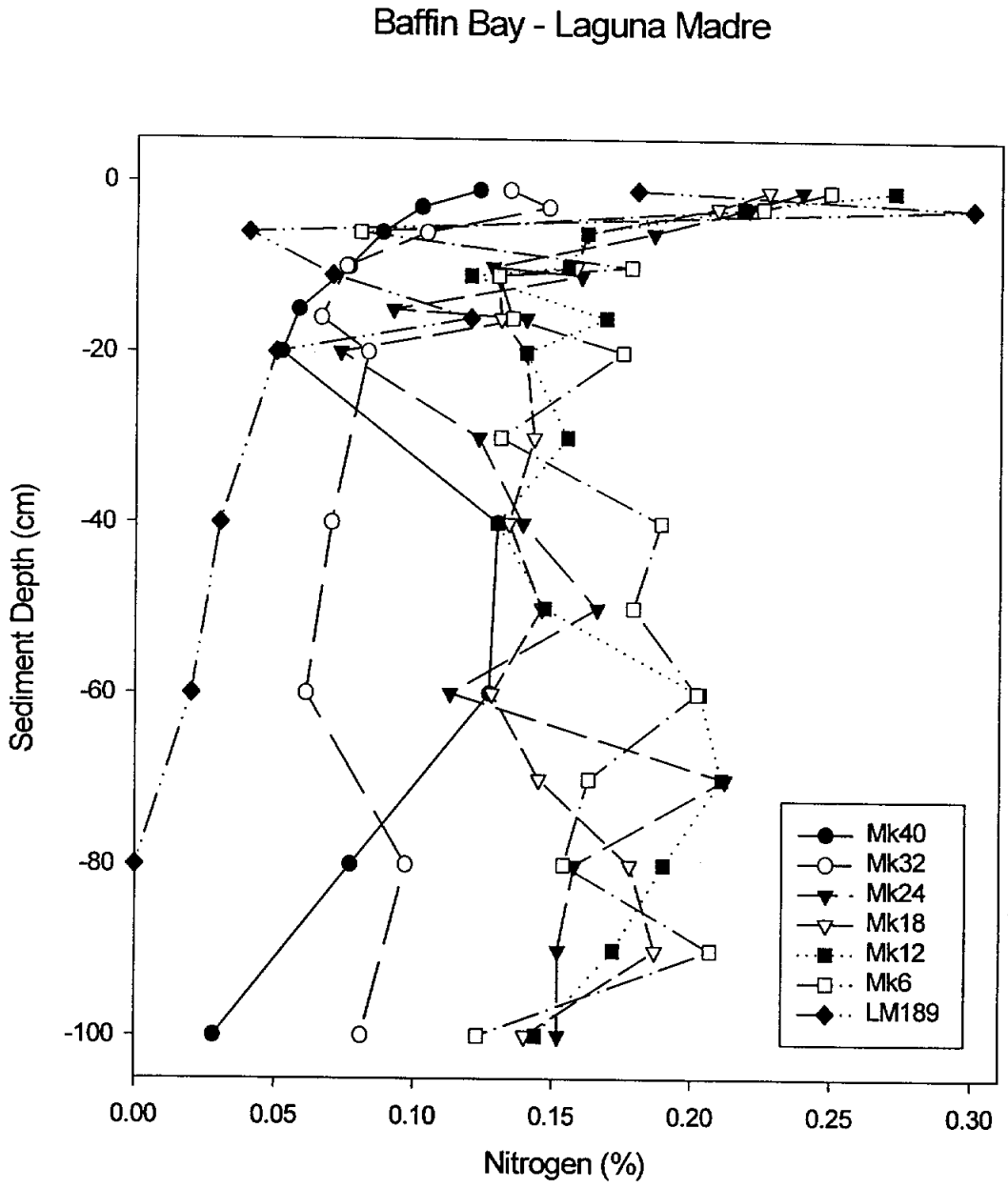

Figure 9 Nitrogen profile for stations in the Laguna Madre Baffin Bay Estuary. Mk=marker in Baffin Bay, and LM=intracoastalmarker in Laguna Madre.