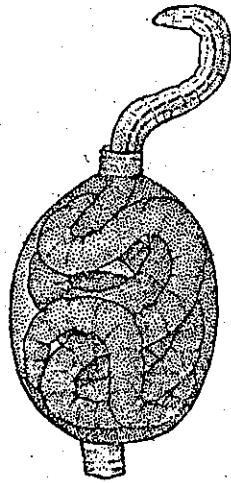


MATLACHA PASS

Benthic Survey



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INTRODUCTION

Matlacha Pass is a conduit between Charlotte Harbor proper and San Carlos Bay. This region is a melting pot for the three major estuaries on the southwest coast of Florida: Myakka, Peace, and Caloosahatchee. These areas are complex transitional ecosystems, which provide a nursery ground for commercially important natural resources. Benthic macroinvertebrates also serve as a vital component in the food chain. Alterations of water quality regarding many of the physicochemical conditions, including salinity regimes, may adversely affect these communities. Benthic infauna are not very motile and can not readily escape adverse changes to the environment. Analyzing fluctuations of populations composing the community structure over time, and knowing the environmental requirements of the fauna provides an environmental barometer to determine if any deleterious conditions have been introduced into the system, either from pollution or alteration of the naturally occurring fluctuations of the salinity regime. This study provides an inventory of the benthic infauna to compare with previous data, and establishes baseline information to determine whether enhancement or degradation of the environment may occur. The results from this project, in conjunction with previous studies of the Charlotte Harbor System, will enable the production of an identification manual to the common benthic macroinvertebrates of the Matlacha Pass National Wildlife Refuge and Aquatic Preserve.

The study area extends from Jug Creek Point at the north end of Matlacha Pass to Sword Point to the south (Figure 1). Ten stations were established throughout the Pass (Figure 2). Locations of the stations were determined to encompass as many habitat types as possible. Samples were collected by a diver operated coring device. Two sampling events occurred. The first sampling corresponded to the low flow and resulting high salinities occurring during the late Spring/early Summer (1999). The second corresponded to the high flow and associated low salinities occurring during late Summer/early Fall (September 1999).

One previous benthic survey in Matlacha Pass was conducted by Mote Marine Laboratory in 1980. However, only two stations were established: one at the north end and one at the south, and specifically avoided areas with submerged aquatic vegetation, fringing mangroves, and oyster beds. These are the most productive habitats within the Pass. This study included those habits, and a variety of unconsolidated substrates, ranging from sand to mud. Consequently, a comprehensive inventory of the macroinvertebrate communities was established.

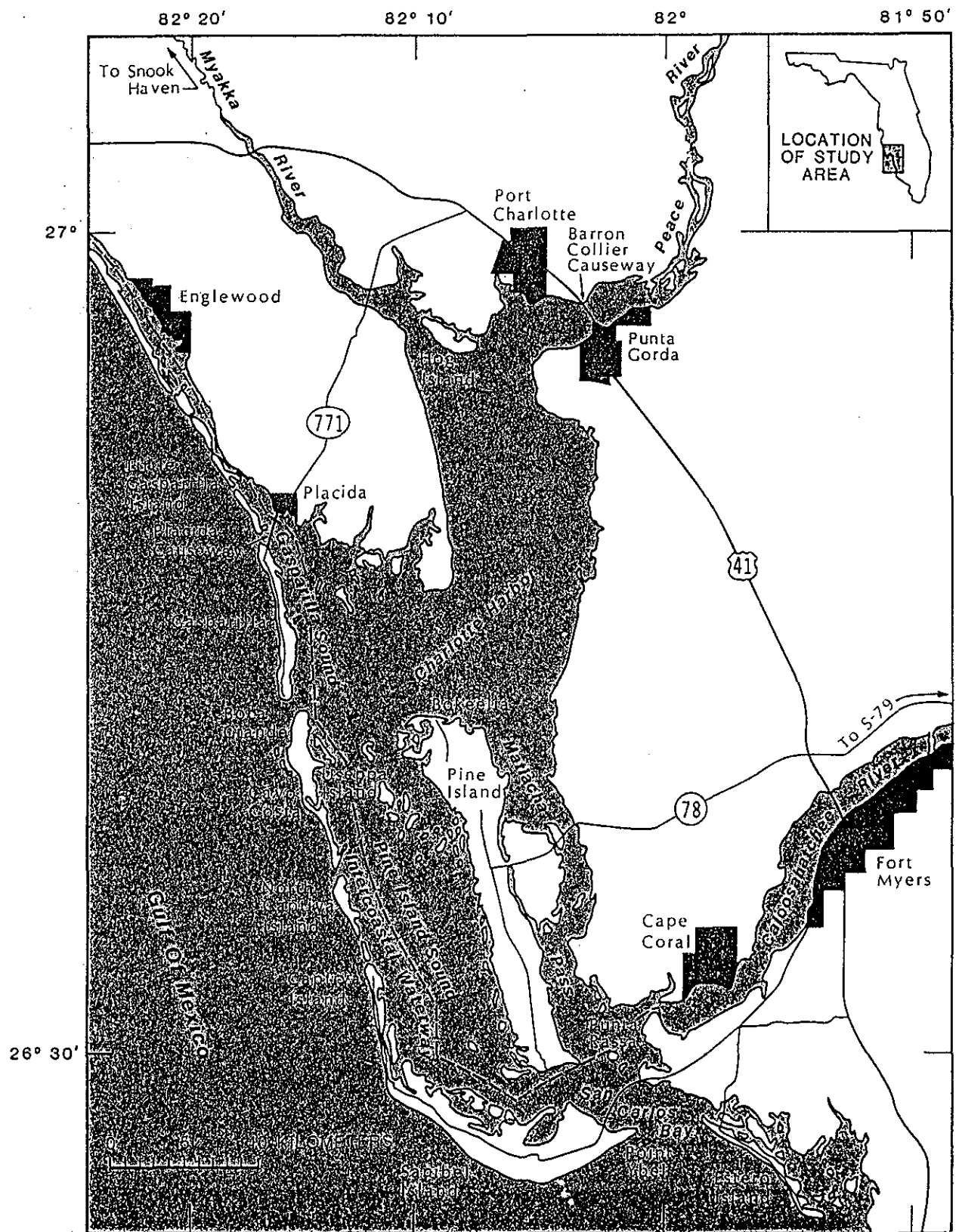


Figure 1. Charlotte Harbor estuarine system including Matlacha Pass study area.

STUDY AREA

The Charlotte Harbor watershed is drained by three main rivers: Myakka, Peace, and Caloosahatchee. Matlacha Pass acts as the conduit between Charlotte Harbor proper on the north end of the Pass which drains the Peace and Myakka Rivers, and San Carlos Bay to the South which drains the Caloosahatchee River. The Caloosahatchee River drains a basin of over 1,000 square miles extending from the western border of Lake Okeechobee westward to where it enters the southern portion of Charlotte Harbor at San Carlos Bay. The Caloosahatchee River discharge into the Charlotte Harbor system is the greatest of any of the three major estuaries, contributing, on average, approximately 70% of the total inflow making it one of the most significant hydrologic resources in Southwest Florida. The discharge of the River from Lake Okeechobee is regulated by a series of locks, retaining the water in the dry season as a reservoir and discharging water during the rainy season. The Franklin Lock and dam (S-79) is the most downstream of these structures and prevents the upstream movement of saline water into the non-tidal region. The non-tidal region of the Caloosahatchee River is of extreme importance in providing potable water for the urban Fort Myers area, and agriculture relies heavily on it for irrigation. In the mid to late 1960's, it was channelized into a canal by the Army Corps of Engineers, eliminating approximately 35 preconstruction oxbows of various sizes and geomorphic configurations.

The Peace River accounts for approximately 80-85% of the discharge into Charlotte Harbor proper. The total areal of the Myakka, Peace and coastal watersheds is about 8,550 square kilometers.

METHODS

Sample Frequency

Samples were collected in June 1999 for the dry season. Subsequently, samples were collected in September 1999 for the wet season.

Field Methods

Infaunal Collection

Infaunal benthic macroinvertebrates were collected using a diver operated coring device. Five replicate samples were collected. Each sample was rinsed through a 500 micron bucket sieve. The residue was rinsed into an appropriately labeled jar using a squirt bottle, fixed with 10% formaldehyde solution stained with rose bengal, and an internal label placed inside the jar. Each label indicated the project, date, sample type, sampler's initials, location, and replicate number. Samples were placed in a water tight container and transported to the laboratory. A custody sheet accompanied the samples and signed by the sampler indicating the number of samples transported, date collected, fixative, sites, stations and replicates. All information recorded in log books, and on labels and custody sheets were filled out in either pencil or indelible ink.

Qualitative Collection

Qualitative samples were taken at the fringing mangrove stations (3 and 7) concurrent with the infaunal sampling. Samples of coarse particulate organic material (CPOM) were analyzed. An unspecified number of handfuls of CPOM were rinsed in a #30 mesh sieve bucket until a minimum of approximately 100 organisms were collected.. Samples were labeled and returned to the laboratory as per the preceding section

Laboratory Methods

Upon receipt of the samples at the laboratory, samples were inventoried and checked for leakage. After a minimum of 48 hours the formalin was decanted from each sample, the residue rinsed with water through a 500 micron sieve and returned to the original container, and preserved with 70% isopropanol. . A small

amount of residue was placed in a petri dish and examined under a variable power dissecting microscope. The organisms were removed from the residue and sorted into one of four labeled vials containing alcohol: annelids; crustaceans; mollusks ; or miscellaneous. This step was repeated for all residue.

After sorting, all organisms were identified to the lowest practical taxonomic level (LPIL). Oligochaetes, and chironomids were mounted in Ammon's lactophenol on microscope slides for identification. The organisms were then identified under a compound microscope, enumerated, and the results recorded on the appropriate bench sheets. If more than approximately 125 oligochaetes or chironomids were encountered in any one sample, they were subsampled. The organisms were placed in a gridded petri dish. Each grid was assigned a number. A random number table was used to choose a grid. All organisms were removed from that grid. This process continued until at least 100 organisms were separated. The remaining organisms were enumerated with the results recorded in the sorting log.

RESULTS

Sample Locations: Physical data (Figure 2 and Table 56)

Ten sample locations were established during an initial reconnaissance. Placement of stations was determined based on substrate, degree and variety of submerged aquatic vegetation, and geographic proximity to estuarine influences.

Physical data is summarized in Table 56. Depth throughout the Pass was generally between 1-2 meters. One oyster bed, station 1, was sampled. Two stations (3 and 7) were established in fringing mangroves and sampled qualitatively. The remaining stations were a combination of mud and/or fine sand. Submerged aquatic vegetation, represented by *Halodule* and *Thalassia*, was present at five stations. Salinity was relatively homogeneous throughout the Pass during each respective sampling event. In June salinity ranged between 28 to 37 ppt. Highest salinities were recorded at the northern most stations, 7-10. Salinities recorded in September were approximately half of those during June, ranging between 12 to 17 ppt. Water temperatures were also very homogeneous throughout the Pass with little variation between sampling events. The average temperature was about 30 degrees C. with only a three degree variation. Dissolved oxygen content (D.O.) could not be measured in June due to equipment malfunction. In September, the D.O. at the majority of stations was saturated. The only exceptions were the three southern most stations. The pH at all stations was slightly basic, ranging from 7.4 to 8.2. There was only a very slight variation between June and September sampling events.

Faunal Composition (Table 1)

Two hundred twenty-two benthic macroinvertebrate taxa were identified from Matlacha Pass between June and September 1999. Seven phyla were represented: Cnidaria (1 taxon); Nemertea (2 taxa); Annelida (Polychaeta: 79 taxa; Oligochaeta: 6 taxa); Mollusca (Gastropoda: 32 taxa; Bivalvia: 30 taxa); Arthropoda (Pycnogonida: 2 taxa; Mysidacea: 3 taxa; Isopoda: 10 taxa; Amphipoda: 25 taxa; Decapoda: 16 taxa; Cirripedia: 1 taxon; Insecta: 1 taxon); Echinodermata: 3 taxa.

TABLE 56. SUMMARY TABLE OF PHYSICAL STATION DATA.									
STATION			DEPTH	SUBSTRATE	VEGETATION	SALINITY ^{0/00}	JUNE SEPTEMBER		pH
			(m)				TEMP. [°]	D.O %	
1	LATITUDE	26° 30' 51.031" N	1	OYSTER BED	NONE	32\17	30\30	NA*\178	8.2\7.8
	LONGITUDE	82° 03' 11.997" W							
2	LATITUDE	26° 34' 15.294" N	1	FINE SAND W/MUD	HALODULE	30\12	31\31	NA*\172	8.1\7.4
	LONGITUDE	82° 05' 10.343" W							
3	LATITUDE	26° 34' 18.678" N	<1	SAND\ DRIFT ALGAE	MANGROVE	33\15	30\29	NA*\191	7.8\7.8
	LONGITUDE	82° 03' 34.408" W							
4	LATITUDE	26° 34' 20.072" N	1.5	FINE SAND W/MUD	HALODULE	28\14	30\30	NA*\>100	8.1\7.9
	LONGITUDE	82° 03' 53.000" W							
5	LATITUDE	26° 35' 39.862" N	1	MUD W\FINE SAND	THALASSIA	33\15	30\30	NA*\<100	8.1\7.9
	LONGITUDE	82° 03' 34.426" W							
6	LATITUDE	26° 35' 49.586" N	1	MUD\ DRIFT ALGAE	NONE	32\15	29\30	NA*\>100	7.8\7.9
	LONGITUDE	82° 03' 58.896" W							
7	LATITUDE	26° 39' 47.143" N	1	OYSTER BED\SAND	MANGROVE	36\14	29\30	NA*\>100	7.9\8.2
	LONGITUDE	82° 05' 18.170" W							
8	LATITUDE	26° 39' 18.166" N	1.5	FINE SAND	NONE	37\13	29\30	NA*\>100	8.0\8.0
	LONGITUDE	82° 05' 28.482" W							
9	LATITUDE	26° 38' 21.035" N	1	MUD\SAND	HALODULE	35\14	28\30	NA*\>100	7.9\8.0
	LONGITUDE	82° 04' 47.645" W							
10	LATITUDE	26° 40' 55.445" N	1	FINE SAND	THALASSIA\HALODULE	36\NA*	29\30	NA*\>100	8.2\8.3
	LONGITUDE	82° 06' 29.060" W							
*EQUIPMENT MALFUNCTION									

STATION COMMUNITIES

Two hundred twenty-two taxa combined for both sampling periods were collected throughout the study area (Table 1).

JUNE 1999 COMPREHENSIVE (Table 2)

One hundred ninety-one taxa were collected from all stations combined. Three phyla composed the majority of taxa. Polychaeta was the most diverse taxon (69), followed by arthropods (58), primarily comprised of: amphipods:26; decapods:12; and isopods:10. Mollusca was the third most diverse phylum with 50 taxa: 28 bivalves; 22 gastropods.

SEPTEMBER 1999 COMPREHENSIVE (Table 3)

One hundred forty taxa were collected from all stations combined. Three phyla composed the majority of taxa. Polychaeta was the most diverse taxon (59), followed by Mollusca with 44 taxa : 24 gastropods and 20 bivalves. Arthropoda was the third most diverse phylum (40), primarily comprised of: amphipods:15; decapods:9; and isopods:8.

STATION COMPARISONS

Station 1 (Table 4)

One hundred seven taxa were collected from station 1 between June and September . Polychaeta was the most diverse fauna with 40 taxa. Mollusca was the second most diverse with 32 taxa (gastropods: 19; bivalves: 13), followed by Arthropoda, primarily amphipods (12), decapods (7), and isopods (5) .

June (Tables 34 and 14)

Two thousand sixty-nine organisms were collected, representing 86 taxa. The most diverse taxon was Polychaeta with 33 taxa, but represented only 8 % of the community. However, amphipods, represented by 12 taxa, composed 47 % of the total fauna, and gastropods were responsible for 20%. Six taxa accounted for 60% of the total community composition (Table 14): 18 % *Erichthonius rubicundis* (amphipod), 14% *Elasmopus levis* (amphipod), 8 % *Crepidula plana* (gastropod), 8 % *Hargeria repax* (tanaid), 6 % *Thalassidrilides gurwitschi* (oligochaete), 6 % *Astyris lunatus* (gastropod).

September (Tables 24 and 44)

One thousand six hundred fifty-three organisms were collected, represented by 53 taxa. The most diverse taxon was Polychaeta (15), but represented only 8 % of the community. However, amphipods, represented by 8 taxa, composed 69 % of the total fauna. Four taxa accounted for 79% of the total community composition: 59 % *Melita nitida* (amphipod), 9 % *Thalassidrilides gurwitschi* (oligochaete), 6 % *Polydora socialis* (polychaete), and 5 % *Hargeria repax* (tanaid).

Station 2 (Table 5)

Fifty-four taxa were collected from station 2 between June and September. Mollusca was the most diverse fauna with 18 taxa (gastropods: 9; bivalves: 9), followed by Polychaeta (117) and Arthropoda, primarily comprised of amphipods (6) and isopods (3).

June (Tables 15 and 35)

Two thousand two hundred twenty-six organisms were collected, representing 47 taxa (Table 35). The most diverse taxon was Polychaeta with 15 taxa, and represented 72 % of the community. Amphipods, represented by 5 taxa, composed 9 % of the total fauna, and molluscs were responsible for 6 % . Five taxa accounted for 78 % of the total community composition (Table 15): 58 % *Aricidea philbinae* (polychaete), 7 % *Ampelisca abdita* (amphipod), 5 % *Capitella capitata*, 4 % *Tubulanus pellucidus* (nemertean), 4 % *Xenanthura brevitelson* (isopod), and 4 % *Laeonereis culveri* (polychaete).

September (Tables 25 and 45)

Six hundred sixty-nine organisms were collected representing 29 taxa (Table 45). The most diverse taxon was Polychaeta with 10 taxa, and represented 68 % of the total fauna. Mollusca was the second most diverse group (bivalves: 4; gastropods:3), but only accounted for 3 % of the community. Five taxa accounted for 80 % of the total community composition (Table 25): 30 % *Laeonereis culveri*, 20 % *Aricidea philbinae* (polychaete), 19 % *Hargeria repax* (tanaid), 6 % *Capitella capitata*, and 5% *Leitoscoloplos robustus* (polychaete).

Station 3 (Table 6)

Fifty-seven taxa were collected from station 3 between June and September. Arthropoda was the most diverse taxon with 25 taxa, primarily represented by amphipods (12) and isopods (7). Fifteen taxa of molluscs were collected (gastropods: 8; and bivalves: 7). Polychaeta was the third most diverse fauna, represented by 13 species.

June (Tables 16 and 36)

Seven hundred eighty-nine organisms were collected, representing 40 taxa (Table 36). The most diverse taxon was Polychaeta with 12 taxa, representing 41 % of the community. Arthropoda was the second most diverse group, primarily represented by amphipods (9) and isopods (5), followed by 9 taxa of molluscs (gastropods:6; bivalves:3). Six taxa accounted for 72 % of the total community composition (Table 16): 25 % *Hargeria repax* (tanaid), 13 % *Leitoscoloplos robustus*, 11 % *Capitella capitata*, 9 % *Laeonereis culveri* (polychaete), 7 % *Corophium ellisi* (amphipod), and 7 % *Sphaeroma terebrans* (isopod).

September (Tables 26 and 46)

Three hundred eight organisms were collected, representing 33 taxa (Table 46). The most diverse taxon was Mollusca with 9 taxa (bivalves:6; gastropods:3), followed by Arthropoda, primarily represented by amphipods (5), and isopods and decapods (each with 6 taxa). Polychaeta also was represented by 6 taxa. Five taxa accounted for 51 % of the faunal community: 12 % Tubificidae sp. (oligochaete), 12 % *Palaemonetes pugio* (decapod), 11 % *Balanus improvisus* (cirripedian), 9 % Hydrobiidae (gastropod), and 7 % *Hargeria repax* (tanaid).

Station 4 (Table 7)

Sixty-four taxa were collected from station 4 between June and September. Polychaeta was the most diverse taxon with 28 taxa. Arthropoda was the second most diverse fauna primarily represented by amphipods (7) and isopods (6). Twelve taxa of molluscs were collected (gastropods: 5 ; and bivalves: 7).

June (Tables 17 and 37)

One thousand eight hundred sixty-three organisms were collected, representing 49 taxa (Table 37). The most diverse taxon was Polychaeta with 25 taxa, and represented 57 % of the faunal community. The second most diverse group was Arthropoda, composed primarily of amphipods and decapods, each with 6 taxa, followed by Mollusca with 8 taxa (bivalves:6; gastropods:2). Four taxa accounted for 71 % of the faunal community (Table 17): 26 % *Fabricinuda trilobata* (polychaete), 23 % *Grandidierella bonnieroids* (amphipod), 17 % *Aricidea philbinae* (polychaete), and 5 % *Ampelisca abdita* (amphipod).

September (Tables 27 and 47)

Four hundred eighty-five organisms were collected, representing 33 taxa (Table 47). The most diverse taxon was Polychaeta with 10 taxa, and represented 56 %

of the faunal community. The second most diverse group was Arthropoda, composed primarily of isopods (3) and amphipods (4), followed by Mollusca with 9 taxa (bivalves:4; gastropods:5). Five taxa accounted for 70 % of the faunal community (Table 27): 17 % *Capitella capitata* (polychaete), 16 % *Aricidea philbiniae* (polychaete), 15 % *Xenanthura brevitelson* (isopod), 13 % *Laeonereis culveri* (polychaete), and 9 % *Acteocina canaliculata* (gastropod).

Station 5 (Table 8)

Sixty-two taxa were collected from station 5 between June and September. Mollusca was the most diverse taxon with 22 taxa (gastropods: 13 ; and bivalves: 9). Polychaeta was the second most diverse fauna primarily represented by 20 taxa, followed by Arthropoda, primarily represented by amphipods (6), and cumaceans and isopods, each with 3 taxa.

June (Tables 18 and 38)

One thousand eighty organisms were collected, representing 55 taxa (Table 38). The most diverse taxa Polychaeta and Mollusca (bivalves: 8; gastropods 11) each with 19 taxa. Polychaeta was also the predominant taxon representing 76 % of the faunal community. Arthropoda was the third most diverse group, primarily represented by amphipods (6 taxa) and isopods (3). Five taxa accounted for 73 % of the faunal community (Table 18): 45 % *Aricidea philbiniae* (polychaete), 16 % *Capitella capitata* (polychaete), 4 % *Xenanthura brevitelson* (isopod), 4 % *Tubulanus pellucidus* (nemertean), and 4 % *Leitoscoloplos robustus* (polychaete).

September (Tables 28 and 48)

One thousand nine hundred sixty-nine organisms were collected, representing 33 taxa (Table 48). The most diverse taxon was Polychaeta with 11 taxa, but only represented 11 % of the faunal community. The second most diverse group was Arthropoda, composed primarily of amphipods comprising 69% of the community with 4 taxa and 3 cumaceans, followed by Mollusca with 8 taxa (bivalves:5; gastropods:3). Four taxa accounted for 78 % of the faunal community (Table 28): 63 % *Cerapus* sp. (amphipod), 5 % *Acteocina canaliculata* (gastropod), 5 % *Streblospio benedicti* (polychaete), and 5 % *Ampelisca abdita* (amphipod).

Station 6 (Table 9)

Forty-seven taxa were collected from station 6 between June and September. Polychaeta was the most diverse fauna represented by 15 taxa, followed by Arthropoda, primarily

represented by amphipods (8), and isopods (5). Mollusca was the third most diverse group with 11 taxa (gastropods:6; bivalves: 5).

June (Tables 19 and 39)

One thousand nine hundred sixty-one organisms were collected, representing 38 taxa (Table 39). The most diverse taxon was Polychaeta with 13 taxa, but only represented 14 % of the faunal community. The second most diverse group was Arthropoda, composed primarily of amphipods comprising 64% of the community with 6 taxa and 5 isopods, followed by Mollusca with 7 taxa (bivalves:2; gastropods:5). Three taxa accounted for 62 % of the faunal community (Table 19): 39 % *Ampelisca abdita* (amphipod), 18 % *Grandidierella bonnieroides* (amphipod), and 5 % *Corophium ellisi*.

September (Tables 29 and 49)

Three hundred forty-one organisms were collected, representing 29 taxa (Table 49). The most diverse taxa were Polychaeta and Arthropoda (amphipods: 5; isopods:3) each with 8 taxa, followed by Mollusca with 7 taxa (bivalves:4; gastropods:3). Two taxa accounted for 58 % of the faunal community (Table 29): 39 % *Limnodriloides rubicundus* (oligochaete), and 19 % *Tubulanus pellucidus* (nemertean).

Station 7 (Table10)

Sixty-four taxa were collected from station 7 between June and September. Polychaeta was the most diverse fauna represented by 19 taxa, followed by Arthropoda, primarily represented by amphipods (10), and decapods (9). Mollusca was the third most diverse group with 17 taxa (gastropods:11; bivalves: 6).

June (Tables 20 and 40)

Two thousand two hundred thirty-two organisms were collected, representing 40 taxa (Table 40). The most diverse taxon was Polychaeta with 16 taxa, but only represented 12 % of the faunal community. The second most diverse group was Arthropoda, composed primarily of amphipods comprising 29 % of the community with 7 taxa and 5 decapods. Although only one taxa of isopod was collected, it

accounted for 40 % of the total fauna. Mollusca was very poorly represented with only 4 taxa (bivalves:3; gastropods:1). Four taxa accounted for 83 % of the faunal community (Table 20): 40 % *Sphaeroma quadridentatum* (isopod), 27 % *Parahyale sp. A* (amphipod), 10 % *Thalassidrilides gurwitscheri* (oligochaete), and 6 % *Capitella capitata* (polychaete).

September (Tables 30 and 50)

Six hundred ninety-four organisms were collected, representing 39 taxa (Table 40). The most diverse taxon was Mollusca with 15 taxa (gastropods:11; bivalves: 4) with gastropods representing 43 % of the faunal community. The second most diverse group was Arthropoda, composed primarily of amphipods with 6 taxa and 5 decapods, followed by Polychaeta with 7 taxa. Five taxa accounted for 61 % of the faunal community (Table 30): 22 % *Bittium varium* (gastropod), 14 % *Eurypanopeus depressus* (decapod), 12 % *Astyris lunatus* (gastropod), 7 % *Neanthes succinea* (polychaete), and 6 % *Cymadusa compta* (amphipod).

Station 8 (Table 11)

Seventy taxa were collected from station 8 between June and September. Polychaeta was the most diverse fauna represented by 27 taxa, followed by Arthropoda, primarily represented by amphipods (9), mysids and decapods, each with 3 taxa. Mollusca was the third most diverse group with 14 taxa (gastropods:9; bivalves: 5).

June (Tables 21 and 41)

Four hundred four organisms were collected, representing 50 taxa (Table 41). The most diverse taxon was Polychaeta with 21 taxa, representing 27 % of the faunal community. The second most diverse group was Arthropoda, composed primarily of amphipods comprising 20 % of the community with 8 taxa. Mollusca was represented by 8 taxa (bivalves:5; gastropods:3). Six taxa accounted for 57 % of the faunal community (Table 21): 15 % *Thenaria* (cnidarian), 12 % *Nemertea*, 8 % *Aricidea philbinae* (polychaete), 8 % *Grandidierella bonnieroides* (amphipod), 7 % *Ampelisca holmesi* (amphipod), and 7 % *Mysella planulata* (bivalve).

September (Tables 31 and 51)

Three hundred forty-four organisms were collected, representing 32 taxa (Table 51). The most diverse taxon was Polychaeta with 13 taxa, representing 43 % of the faunal community. The second most diverse group was Mollusca, represented

by 9 taxa (bivalves:1; gastropods:7) comprising 38 % of the faunal community. Five taxa accounted for 66 % of the faunal community (Table 31): 25 % *Bittium varium* (gastropod), 14 % *Capitella capitata*, 10 % *Laeonereis culveri*, 9 % *Magelona pettiboneae* (polychaete), and 8 % *Balanus improvisus* (cirripedian).

Station 9 (Table 12)

Sixty-eight taxa were collected from station 8 between June and September. Polychaeta was the most diverse fauna represented by 20 taxa. Mollusca was the second most diverse group with 18 taxa (gastropods:11; bivalves: 7), followed by Arthropoda, primarily represented by amphipods (6), isopods (5), decapods and cumaceans, each with 3 taxa.

June (Tables 22 and 42)

One thousand four hundred forty-two organisms were collected, representing 52 taxa (Table 42). The most diverse taxon was Polychaeta with 17 species representing 20 % of the faunal community. The second most diverse group was Mollusca, represented by 13 taxa (bivalves:6; gastropods:7). Arthropoda was primarily represented by amphipods (4 taxa) which made up 59 % of the total fauna, with decapods and isopods each with 3 taxa. Two taxa accounted for 67 % of the faunal community (Table 22): 57 % *Grandidierella bonnieroides* (amphipod), and 10 % *Aricidea philbinae* (polychaete).

September (Tables 32 and 52)

Four hundred eighty-seven organisms were collected, representing 36 taxa (Table 52). The most diverse taxon was with 13 taxa (gastropods:8; bivalves:5) representing 29 % of the faunal community. The second most diverse group was Annelida with 11 taxa (9 polychaetes and 2 oligochaetes) comprising 53 % of the total fauna. Arthropoda represented 13 % of the fauna and was composed primarily of cumaceans and isopods, each with 3 taxa. Five taxa accounted for 61 % of the faunal community (Table 32): 22 % *Tubificidae* sp. (oligochaete), 14 % *Parastarte triquetra* (bivalve), 10 % *Tubificoides brownae* (oligochaete), 8 % *Aricidea philbinae* (polychaete), and 7 % *Ampelisca abdita* (amphipod).

Station 10 (Table 13)

Ninety-eight taxa were collected from station 8 between June and September. Polychaeta was the most diverse fauna represented by 31 taxa.), followed by Arthropoda, primarily represented by amphipods (15 taxa), decapods (6) and isopods (4). Mollusca was the

third most diverse group with 26 taxa (gastropods:18; bivalves:8).

June (Tables 23 and 43)

Six hundred eighty-two organisms were collected, representing 65 taxa (Table 43).

Polychaeta and Mollusca were the most diverse groups, each with 19 species representing 14 and 27 % of the faunal community, respectively. Gastropoda represented 14 taxa of mollusks, and bivalves represented 5 taxa. Arthropoda was the third most diverse group primarily represented by amphipods (13 taxa) which comprised 44 % of the total fauna, with decapods and isopods each with 4 and 3 taxa, respectively. Four taxa accounted for 61 % of the faunal community (Table 23): 33 % *Acanthohausrorius millersi* (amphipod), 19 % *Mysella planulata* (bivalve), 5 % *Astyris lunatus* (gastropod), and 4 % Tubificidae sp. (oligochaete).

September (Tables 33 and 53)

Five hundred seventy-two organisms were collected, representing 57 taxa (Table 53). The most diverse taxon was Polychaeta with 21 species representing 21 % of the faunal community. The second most diverse group was Mollusca, represented by 19 taxa (bivalves:5; gastropods:14) comprising 55 % of the total fauna. Arthropoda was primarily represented by amphipods (5 taxa), and decapods with 3 taxa. Four taxa accounted for 60 % of the faunal community (Table 33): 26 % *Bittium varium* (gastropod), 21 % *Astyris lunatus* (gastropod), 8 % *Balanus improvisus* (cirripedian), and 5 % *Tubificoides brownae* (oligochaete).

DISCUSSION

The primary objective of this study was to produce a comprehensive survey of the benthic macroinvertebrate communities throughout Matlacha Pass to use as baseline data with which to compare to subsequent data sets. The only previous investigation of the macroinvertebrates of Matlacha Pass was conducted by Mote Marine Laboratory (MML) in 1980. That study established only two stations within the Pass: one at the north end of Pine Island, and one to the south of Little Pine Island, just north of the discharge from the Caloosahatche River (stations S-10 and S-13, respectively). Those stations were established to specifically avoid seagrasses, oyster beds, and fringing mangroves thus eliminating many critical habitats unique to many taxa. Ten stations were located throughout the Pass for the present study. Water depth was not a factor since the depth in Pass is relatively constant at about 1 meter. Stations were located on five substrates: Oyster beds, mud, mud with sand, fine sand, and areas adjacent to fringing mangroves. Areas with beds of seagrasses (*Halodule* and *Thalassia*) were specifically selected.

Salinity in the Pass is a major factor in determining community composition due to seasonal changes. Samples for this study were collected corresponding to the wet and dry seasons, September and June, respectively. Samples for the 1980 study were also collected during these periods. Salinity and temperature data were comparable for both studies. Salinity was highest in June as a result of the dry season ranging between 28 to 33 ppt in the southern portion of the Pass, and somewhat higher in the north end, ranging between 35 to 37 ppt. (Table 56). In September salinities were less than half that and more uniform, ranging between 12 to 17 ppt. These results correspond well with the seasonal variation and the values reported by MML. During both studies temperatures were homogeneous throughout the Pass, generally between 28° and 30° C.

Two hundred 22 taxa were identified throughout the Pass for both sampling periods combined. Although seven phyla were represented, the majority of taxa were from three major groups: Polychaeta was the richest with 79; Arthropoda was second with 64, however three of the seven orders were responsible for the majority: Amphipoda (25), Decapoda (16), and Isopoda (10) and; Mollusca with 62, composed of Gastropoda (32) and Bivalvia (30). Most taxa were collected in June with 191 taxa. The number of taxa ranged from 29 at station 6 in September to 86 at station 1 in June (Table 54). Overall, June had the richest fauna, ranging from 38 taxa at station 6 to 86 at station 1. Without exception, the number of taxa was highest at all stations in June. In September the total number of taxa collected decreased significantly to 140, ranging from 29 at station 6 to 57 at station 10 (Table 55).

The number of individuals ranged from 3,949/sq.m. at station 3 in September to

28,615/sq.m. at station 7 in June. The highest number of organisms collected was in June. The density ranged from 5,179/sq.m. at station 8 to 28,615/sq.m. At station 7. The densities followed the same pattern as the richness. Without exception, the number of organisms/sq.m. was highest at all stations in June. In September the number of organisms varied from 3,949/sq.m. at station 3 to 25,244 at station 5. All other factors at each station varying only slightly, the decrease in salinity between June and September was most likely responsible for the decline in densities and species richness at each respective station.

Dominance within samples is a measure of a taxon's relative abundance. Abundance of the most numerically dominant taxa as a percent of the total individuals in a sample ranged from 12 for Tubificidae sp.(oligochaete) at station 3 in September to 59 for *Melita nitida* (amphipod) at station 1 in September. Any taxon contributing 5% or more of the total fauna at each station was considered to be a "dominant taxon" at that respective station. Overall, 41 taxa were considered to be dominant at any one station during either sampling period. There were 24 dominant taxa in June represented by 9 major groups (Table 2): Cnidaria (Thénaria), Nemertea (*Tubulanus pellucidus* and Nemertea sp.), Oligochaeta (*Thalassidrilides gurwitschi* and Tubificidae sp.), Polychaeta (*Aricidea philbinae*, *Capitella capitata*, *Fabricinuda trilobata*, *Laeonereis culveri*, and *Leitoscoloplos robustus*), Gastropoda (*Crepidula plana*), Bivalvia (*Mysella planulata*), Tanaidacea (*Hargeria repax*), Isopoda (*Sphaeroma quadridentata*, *Sphaeroma terebrans* and *Xenanthura brevitelson*) and Amphipoda (*Acanthohaustorius millersi*, *Ampelisca abita*, *Ampelisca holmesi*, *Corophium ellisi*, *Elasmopus levis*, *Erichthonius rubicornis*, *Grandidierella bonnieroides*, and *Parahyale* sp. A). There were 27 dominant taxa in September represented by 10 major groups (Table 3): Nemertea (*Tubulanus pellucidus*), Oligochaeta (*Limnodriloides rubicundis*, *Thalassidrilides gurwitschi*, *Tubificoides brownae*, and Tubificidae sp.), Polychaeta (*Aricidea philbinae*, *Capitella capitata*, *Laeonereis culveri*, *Leitoscoloplos robustus*, *Magelona pettiboneae*, *Neanthes succinea*, *Polydora socialis*, and *Streblospio benedicti*), Gastropoda (*Acteocina caliculata*, *Astyris lunatus*, *Bittium varium*, Hydrobiidae sp.), Bivalvia (*Parastarte triquetra*), Tanaidacea (*Hargeria repax*), Isopoda (*Xenanthura brevitelson*), Amphipoda (*Ampelisca abdita*, *Cerapus* sp. A, *Cymadusa compta*, and *Melita nitida*), Decapoda (*Eurypanopeus depressus* and *Palaemonetes pugio*), and Cirripedia (*Balanus improvisus*). Only 9 dominant taxa were common to both June and September: Nemertea (*Tubulanus pellucidus*), Oligochaeta (*Thalassidrilides*, and Tubificidae sp.), Polychaeta (*Aricidea philbinae*, *Capitella capitata*, *Laeonereis culveri*, and *Leitoscoloplos robustus*), Tanaidacea (*Hargeria repax*), and Isopoda (*Xenanthura brevitelson*).

In general, although most species occur throughout Matlacha Pass, each station has its own characteristic macroinvertebrate community, distinguished by the dominant taxa and unique set of species. Substratum has a great influence on the community structure. As an example, the oyster reef at station 1 offered a variety of niches available, as was evidenced by the great diversity. However, once a community has established itself based

on substrate and vegetation, salinity appears to be the overriding factor in the species richness and density throughout Matlacha Pass.

SUMMARY

1. The primary objective of this study was to establish an inventory of the macroinvertebrates throughout Matlacha Pass to aid in a comprehensive list of taxa and composition of benthic communities throughout the Charlotte Harbor watershed.
2. The study area included Matlacha Pass extending north from the mouth of the Caloosahatchee River to the north tip of Pine Island. Ten stations were established throughout the pass. Stations were established based on substrate type, and vegetation. Five substrates occur in the Pass: oyster reefs, mud, sand, mud mixed with sand, fine sand, and areas adjacent to fringing mangroves which contained a significant amount of detritus. Two types of submerged aquatic vegetation were encountered, *Halodule* and *Thalassia*. Five replicate samples were collected by a 12.5 x 12.5 cm. square diver coring device. Samples were collected associated with the dry season in June and the wet season in September of 1999.
3. Two hundred twenty-two taxa within seven phyla were identified during the study. Annelida, primarily represented by polychaetes, Mollusca, and Arthropoda, primarily amphipods, isopods and decapods accounted for the majority of the fauna, both in terms of richness and abundance. One hundred ninety-one taxa were collected in June and 140 were collected in September. The number of taxa collected at all stations in June were higher than in September.
4. The density of individuals per square meter ranged from 3,949 to 28,615. The density of organisms was higher at all stations in June than in September.
5. A dominant organism was any taxon which contributed to 5% or more of the faunal density at any station. Forty-one taxa were considered dominant during this study. Twenty-four taxa were dominant in June represented by Cnidaria, Nemertea, Annelida (polychaetes and oligochaetes), Mollusca (gastropods and bivalves), and Arthropoda (tanaids, isopods and amphipods). Twenty-seven taxa were dominant in September represented by the same groups in addition to decapods and cirripedians (Arthropoda). Only 9 taxa were considered dominant during both the wet and dry seasons: Nemertea (*Tubulanus pellucidus*), Oligochaeta (*Thalassidrilus gurwitschi*, Tubificidae sp.), Polychaeta (*Aricidea philibinae*, *Capitella capitata*, *Laeonereis culveri*, and *Leitoscoloplos rubustus*), Tanaidacea (*Hargeria repax*), and Isopoda (*Xenanthua brevitelson*).
6. Salinity was highest at all stations in June averaging 34 ppt, but averaged only 15 ppt in September.

7. Substrate was the determining factor for the community structure at each station. Although most species occurred throughout the Pass, each station harbored a characteristic community distinguished by the dominant taxa and a unique set of species. However, salinity was the determining factor for species richness and density throughout Matlacha pass.
8. Periodic benthic monitoring in Matlacha Pass and throughout the Charlotte Harbor watershed is recommended to determine potential impacts from anthropogenic influences, so that the cause and source may be established, and the situation rectified to prevent future degradation of this valuable resource.

APPENDIX

TABLE 1.		COMPREHENSIVE TAXONOMIC SPECIES LIST.	
CNIDARIA		100	THENARIA SP.
PLATYHELMINTHES		200	EUPLANA GRACILIS
		200	STYLOCHUS ELLIPTICUS
NEMERTEAN		300	CF. TUBULANUS PELLUCIDUS
		300	NEMERTEA SP.
ANNELIDA			
POLYCHAETA	ORBINIIDAE	410	LEITOSCOLOPLOS ROBUSTUS
	101	410	SCOLOPLOS RUBRA
	PARAONIDAE	410	ARICIDEA PHILBINA
	102	410	ARICIDEA SUECICA
	102	410	ARICIDEA TAYLORI
	102	410	CIRROPHORUS SP.
	102	410	SPHAEROSYLLIS TAYLORI
	SABELLIDAE	410	CHONE CF. AMERICANA
	SPIONIDAE	410	CARAZZIELLA HOBSONAE
	502	410	PARAPRIONOSPION PINNATA
	502	410	POLYDORA LIGNI
	502	410	POLYDORA SOCIALIS
	502	410	PRIONOSPION HETEROBRANCHIA
	502	410	PRIONOSPION MULTIBRANCHIATA
	502	410	PRIONOSPION PERKINSI
	502	410	SCOLELEPIS TEXANA
	502	410	SPIONIDAE SP.
	502	410	STREBLOSPIO BENEDICTI
	MAGELONIDAE	410	MAGELONA PETTIBONEAE
	CHAETOPTERIDAE	410	SPIOCHAETOPTERUS C. OCULATUS
	CIRRATULIDAE	410	CIRRATULUS SP.
	508	410	MONTICELLINA DORSOBRANCHIALIS
	ACROCIRRIDAE	410	MACROCHAETA CF. CLAVICORNIS
	CAPITELLIDAE	410	CAPITELLA CAPITATA
	601	410	CAPITELLA JONESI
	601	410	HETEROMASTUS FILIFORMIS
	601	410	MEDIOMASTUS AMBISETA
	601	410	MEDIOMASTUS CALIFORNIENSIS
	601	410	MEDIOMASTUS SP.
	601	410	NOTOMASTUS HEMIPODUS
	601	410	SCYPHOPROCTUS SP.
	ARENICOLIDAE	410	ARENICOLA CRISTATA
	MALDANIDAE	410	ASYCHIS ELONGATA
	603	410	AXIOTHELLA MUCOSA
	603	410	DIOPATRA CUPREA
	603	410	MALDANIDAE SP.
	OPHELIIDAE	410	ARMANDIA MACULATA
	701	410	TRAVISIA HOBSONAE
	PHYLODOCIDAE	410	ETEONE HETEROPODA
	801	410	EUMIDA SANGUINEA
	801	410	GENETYLLIS CASTANEA
	801	410	PHYLLODOCE ARENAE
	801	410	PHYLLODOCIDAE SP.
	SIGALIONIDAE	410	STHENELAIS SP. A
	814	410	PARAHESIONE LUTEA
	814	410	PODARKE OBSCURA
	814	410	PODARKEOPSIS LEVIFUSCINA
	SYLLIDAE	410	AUTOLYTUS DENTALIUS
	816	410	EHLERSIA CORNUTA
	816	410	GRUBEOSYLLIS CLAVATA
	816	410	PIONOSYLLIS SP. D
	816	410	SYLLIDAE SP.

TABLE 1.	COMPREHENSIVE TAXONOMIC SPECIES LIST.		
	816	410	TYPOSYLLIS CF. PROLIFERA
	NEREIDAE	410	LAONEREIS CULVERI
	818	410	NEANTHES SUCCINEA
	818	410	NEREIDAE SP.
	818	410	NEREIS FALSA
	818	410	NEREIS GRAYI
	818	410	NEREIS LAMELLOSA
	818	410	STENONINEREIS MARTINI
	GLYCERIDAE	410	GLYCERA SP. C
	GONIADIDAE	410	GLYCIDINDE SOLITARIA
	1101	410	MOOREONUPHIS SP.
	ONUPHIDAE	410	ONUPHIDAE SP.
	EUNICIDAE	410	EUNICIDAE SP.
	1102	410	LYSIDICE SP. A
	1102	410	MARPHYSA CF. SANGUINEA
	1102	410	MARPHYSA SP. B
	1102	410	NEMATONEREIS HEBES
	1103	410	LUMBRINERIS TESTUDINUM
	AMPHARTETIDAE	410	HOBSONIA FLORIDA
	1603	410	ISOLDA PULCHELLA
	1603	410	MELINNA MACULATA
	TEREBELLIDAE	410	LOIMIA MEDUSA
	1604	410	PISTA PALMATA
	1604	410	STREBLOSOMA HARTMANAE
	1604	410	TEREBELLIDAE SP.
	SABELLIDAE	410	FABRICINUDA TRILOBOTA
	SERPULIDAE	410	SERPULIDAE SP. A
OLIGOCHAETE	TUBIFICIDAE	420	LIMNODRILOIDES BARNARDI
		420	LIMNODRILOIDES RUBICUNDUS
		420	TECTIDRILUS SQUALIDUS
		420	THALASSODRILIDES GURWITSCHI
		420	TUBIFICIDAE SP. W/OUT HAIRS
		420	TUBIFICOIDES BROWNAE
MOLLUSCA			
GASTROPOD	ACTEOCINIDAE	510	ACTEOCINA CANALICULATA
	ASSIMINIDAE	510	ASSIMINEA SUCCINEA
	BISSOINIDAE	510	SCHWARTZIELLA BRYEREA
	BUCCIDAE	510	PISANIA TINCTA
	BULLIDAE	510	BULLA STRIATA
	CAECIDAE	510	CAECUM PULCHELLUM
	CERITHIIDAE	510	BITTIUM VARIUM
	CERITHIOPSIDAE	510	SEILA ADAMSI
	COLLUMBELLIDAE	510	ASTYRIS LUNATUS
		510	ANACHIS OBESA
	CREPIDULIDAE	510	CREPIDULA MACULOSA
		510	CREPIDULA PLANA
		510	CREPIDULA SP.
	EPITONIIDAE	510	EPITONIUM SP.
	FISSURELLIDAE	510	DIODERA CAYENENSIS/LISTERI
	GASTROPODA SP.	510	GASTROPODA SP.
	HAMINOEIDAE	510	HAMINOEA SUCCINEA
	HYDROBIIDAE	510	HYDROBIIDAE SP.
	LUCINIDAE	510	LUCINIDAE SP.
	MELONGENIDAE	510	MELONGENA CORONA
	NASSARIIDAE	510	NASSARIUS ALBUS
		510	NASSARIUS VIBEX
	NUDIBRANCHIA	510	NUDIBRANCHIA SP. A
	PYRAMIDELLIDAE	510	BOONEA IMPRESSA
		510	EULIMASTOMA CANALICULATA

TABLE 1.		COMPREHENSIVE TAXONOMIC SPECIES LIST.	
		510	ODOSTOMIA NR. GIBBOSA
		510	SAYELLA CROSSEANA
		510	SAYELLA LAEVIGATA
		510	TURBONILLA VIRIDIMARIS
	TRIPHORIDAE	510	MARSHALLORA NIGROCINCTA
	TURRIDAE	510	PYRGOCYTHARA PLICOSA
	VITRINELLIDAE	510	VITRINELLA CF. FLORIDANA
BIVALVE	ANOMIIDAE	520	ANOMIA SIMPLEX
	ARCIDAE	520	ANADARA FLORIDANA
		520	ANADARA NOTABALIS
		520	ANADARA TRANSVERSA
		520	BARBATIA DOMINGENSIS
	BIVALVIA	520	BIVALVIA SP.
	CARDIIDAE	520	LAEVICARDIUM MORTONI
	CORBULIDAE	520	CORBULA CONTRACTA
	DRESSENIDAE	520	MYTILOPSIS LEUKOPHAETA
	LEPTNIDAE	520	MYSELLA PLANULATA
	LUCINIDAE	520	LUCINA NASSULA
		520	LUCINIDAE SP.
		520	PARVILUCINA MULTILINEATA
	LYONSONIIDAE	520	ENTODESMA BEANA
		520	LYONSIA FLORIDANA
	MYTILIDAE	520	AMYGDALUM PAPYRIUM
		520	GEUKENSIA GRANOSISSIMA
		520	ISCHADIUM RECURVUM
		520	MODIOLUS AMERICANUS
	OSTREIDAE	520	CRASSOSTREA VIRGINICA
		520	CRYPTOSTREA PERMOLLIS
		520	OSTREA EQUESTIS
	SOLECURTIDAE	520	TAGELUS DIVISUS
	TELLINIDAE	520	TELLINA TAMPAENSIS
		520	TELLINA VERSICOLOR
		520	MACOMA CONSTRICTA
		520	MACOMA TENTA
	VENERIDAE	520	ANOMALOCARDIA AUBERIANA
		520	CF. CHIONE CANCELLATA
		520	PARASTARTE TRIQUETRA
ARTHROPODA			
PYCNOGONID		630	CALLIPALLENE BREVIROSTRIS
		630	PYCNOGONIDA SP.
CUMACEAN		641	ALMYRACUMA PROXIMOCULI
		641	CYCLASPIS VARIANS
		641	OXYUROSTYLUS CF. SMITHI
MYSID		642	AMERICAMYSIS ALMYRA
		642	AMERICAMYSIS BAHIA
		642	BOWMANIELLA SP.
TANAID		643	HALMYRAPSEUDES BAHAMENSIS
		643	HARGERIA REPAX
		643	KALLIOPSEUDES SP.
ISOPOD	ANTHURIDAE	644	AMAKUSANTHURA MAGNIFICA
		644	CYATHURA POLITA
		644	XENANTHURA BREVITELSON
	IDOTEIDAE	644	EDOTEA TRILOBA
		644	ERICHSONIELLA ATTENUATA
	SPHAEROMATIDAE	644	HARRIETA FAXONI
		644	PARACERCEIS CAUDATA
		644	SPHAEROMA QUADRIDENTATUM
		644	SPHAEROMA TEREBRANS

TABLE 1.	COMPREHENSIVE TAXONOMIC SPECIES LIST.			
	MUNNIDAE	644	UROMUNNA HAYESI	
AMPHIPOD	AMPELISCIDAE	645	AMPELISCA ABDITA	
		645	AMPELISCA HOLMESI	
		645	AMPELISCA VADORUM	
	AMPHILOCHIDAE	645	GITANOPSIS SP.	
	AMPHITHOIDAE	645	CYADUSA COMPTA	
	AORIDAE	645	ACUMINODEUTOPUS NAGLEI	
		645	GRANDIDIERELLA BONNIEROIDES	
		645	LEMBOS WEBSTERI	
	BATEIDAE	645	BATEA CATHERINENSIS	
	CAPRELLIDAE	645	PARACAPRELLA TENUIS	
	COROPHIIDAE	645	CERAPUS SP. A	
		645	CERAPUS TUBULARIS	
		645	COROPHIUM ELLISI	
		645	COROPHIUM SP. A	
		645	ERICHTHONIUS RUBICORNIS	
	GAMMARIDAE	645	GAMMARUS MUCRONATUS	
	HAUSTORIIDAE	645	ACANTHOHAUSTORIUS MILLERSI	
	HYALIDAE	645	HYALE SP. A	
		645	PARAHYALE SP. A	
	LYSIANASSIDAE	645	LYSIANOPSIS ALBA	
	MELITIDAE	645	DULCHIELLA APPENDICULATA	
		645	MELITA NITIDA	
		645	QUADRIMAERA MIRANDA	
	OEDOCEROTIDAE	645	SYNHELIDIUM AMERICANUM	
	PHOXOCEPHALIDAE	645	REPOXINIUS EPISTOMUS	
DECAPOD	ALPHEIDAE	646	ALPHEUS ARMAILLATIS	
	DIAGENIDAE	646	DIAGENIDAE SP.	
	HIPPOLYTIDAE	646	HIPPOLYTE PLEUROCANTHUS	
		646	TOZEUMA CAROLINENSE	
	PAGURIDAE	646	PAGURIDAE SP.	
		646	PAGURIDAE SP. A	
		646	PAGURUS CF. STIMPSONI	
	PALAEEMONIDAE	646	PALAEEMONETES PUGIO	
	PENAEIDAE	646	PENAEUS DUORARUM	
	PORCELLANIDAE	646	PETROLISTHES CF. ARMATUS	
	PROCESSIDAE	646	AMBIDEXTER SYMMETRICUS	
	XANTHIDAE	646	EURYPTANOPEUS DEPRESSUS	
		646	EURYPTIUM LIMOSUM	
		646	PANOPEUS HERBSTII	
		646	RHITHROPANOPEUS HARRISII	
		646	XANTHIDAE SP.	
CIRRIPIEDIA		647	BALANUS IMPROVISUS	
		647	BALANUS SP.	
INSECT	CHIRONOMIDAE	651	POLYPEDILUM SCALAENUM	
ECHINODERM	OPHIUROIDEA	700	AMPHIURIDAE SP.	
	ECHINOIDEA	700	MELLITA QUINQUEISPERFORATA	
	HOLOTHURIAN	710	DENDROCHIROTIDA SP.	
		710	PARACAUDINA CHILENSIS	
CHORDATA	ASCIDACEAN	1300	MOGULA ARENATA	
			TOTAL TAXA	222

TABLE 2.	COMPREHENSIVE TAXONOMIC SPECIES LIST COLLECTED IN JUNE		
	DOMINANT (>5%)		
CNIDARIA	X	100	THENARIA SP.
PLATYHELMINTHES		200	EUPLANA GRACILIS
		200	STYLOCHUS ELLIPTICUS
NEMERTEAN	X	300	CF. TUBULANUS PELLUCIDUS
	X	300	NEMERTEA SP.
POLYCHAETE		410	ARENICOLA CRISTATA
	X	410	ARICIDEA PHILBINA
		410	ARICIDEA SUECICA
		410	ARICIDEA TAYLORI
		410	ARMANDIA MACULATA
		410	ASYCHIS ELONGATA
		410	AXIOTHELLA MUCOSA
	X	410	CAPITELLA CAPITATA
		410	CAPITELLA JONESI
		410	CHONE CF. AMERICANA
		410	CIRRATULUS SP.
		410	CIRROPHORUS SP.
		410	DIOPATRA CUPREA
		410	EHLERSIA CORNUTA
		410	ETEONE HETEROPODA
		410	EUMIDA SANGUINEA
		410	EUNICIDAE SP.
	X	410	FABRICINUDA TRILOBOTA
		410	GENETYLLIS CASTANEA
		410	GLYCERA SP. C
		410	GLYCINDE SOLITARIA
		410	GRUBEOSYLLIS CLAVATA
		410	HETEROMASTUS FILIFORMIS
		410	HOBSONIA FLORIDA
		410	ISOLDA PULCHELLA
	X	410	LAONEREIS CULVERI
	X	410	LEITOSCOLOPLOS ROBUSTUS
		410	LOIMIA MEDUSA
		410	LUMBRINERIS TESTUDINUM
		410	LYSIDICE SP. A
		410	MACROCHAETA CF. CLAVICORNIS
		410	MAGELONA PETTIBONEAE
		410	MALDANIDAE SP.
		410	MARPHYSA CF. SANGUINEA
		410	MARPHYSA SP. B
		410	MEDIOMASTUS AMBISETA
		410	MEDIOMASTUS CALIFORNIENSIS
		410	MEDIOMASTUS SP.
		410	MELINNA MACULATA
		410	MONTICELLINA DORSOBRANCHIALIS
		410	NEANTHES SUCCINEA
		410	NEMATONEREIS HEBES
		410	NEREIDAE SP.
		410	NEREIS FALSA
		410	NOTOMASTUS HEMIPODUS
		410	PARAHESIONE LUTEA
		410	PARAPRIONOSPION PINNATA
		410	PHYLLODOCE ARENAE
		410	PIONOSYLLIS SP. D
		410	PISTA PALMATA
		410	PODARKE OBSCURA
		410	PODARKEOPSIS LEVIFUSCINA
		410	POLYDORA LIGNI
		410	POLYDORA SOCIALIS

TABLE 2.		COMPREHENSIVE TAXONOMIC SPECIES LIST COLLECTED IN JUNE	
	DOMINANT (>5%)		
		410	PRIONOSPIO HETEROBRANCHIA
		410	PRIONOSPIO MULTIBRANCHIATA
		410	PRIONOSPIO PERKINSI
		410	SCOLELEPIS TEXANA
		410	SCOLOPLOS RUBRA
		410	SCYPHOPROCTUS SP.
		410	SPHAEROSYLLIS TAYLORI
		410	SPIOCHAETOPTERUS C. OCULATUS
		410	SPIONIDAE SP.
		410	STENONINEREIS MARTINI
		410	STHENELAIS SP. A
		410	STREBLOSOMA HARTMANAE
		410	SYLLIDAE SP.
		410	TEREBELLIDAE SP.
		410	TYPOSYLLIS CF. PROLIFERA
OLIGOCHAETE		420	LIMNODRILOIDES BARNARDI
		420	LIMNODRILOIDES RUBICUNDUS
	X	420	THALASSODRILIDES GURWITSCHI
	X	420	TUBIFICIDAE SP. W/OUT HAIRS
		420	TUBIFICOIDES BROWNAE
GASTROPOD		510	ACTEOCINA CANALICULATA
		510	ANACHIS OBESA
		510	ASTYRIS LUNATUS
		510	BITTIUM VARIUM
		510	BOONEA IMPRESSA
		510	BULLA STRIATA
		510	CAECUM PULCHELLUM
		510	CERITHIOPSIS GREENI
		510	CREPIDULA MACULOSA
	X	510	CREPIDULA PLANA
		510	CREPIDULA SP.
		510	DIODERA CAYENENSIS/LISTERI
		510	EPITONIUM SP.
		510	EULIMASTOMA CANALICULATA
		510	GASTROPODA SP.
		510	ISCHADIUM RECURVUM
		510	LUCINIDAE SP.
		510	MARSHALLORA NIGROCINCTA
		510	NASSARIUS VIBEX
		510	NUDIBRANCHIA SP. A
		510	ODOSTOMIA NR. GIBBOSA
		510	PISANIA TINCTA
		510	PYRGOCYTHARA PLICOSA
		510	SAYELLA CROSSEANA
		510	SAYELLA LAEVIGATA
		510	SCHWARTZIELLA BRYEREA
		510	SEILA ADAMSI
		510	VITRINELLA CF. FLORIDANA
BIVALVE		520	AMYGDALUM PAPHIUM
		520	ANADARA TRANSVERSA
		520	ANOMALOCARDIA AUBERIANA
		520	BARBATIA DOMINGENSIS
		520	BIVALVIA SP.
		520	CF. CHIONE CANCELLATA
		520	CORBULA CONTRACTA
		520	CRASSOSTREA VIRGINICA
		520	CRYPTOSTREA PERMOLLIS
		520	ENTODESMA BEANA
		520	GEUKENSIA GRANOSISSIMA

TABLE 2.	COMPREHENSIVE TAXONOMIC SPECIES LIST COLLECTED IN JUNE		
	DOMINANT (>5%)		
		520	ISCHADIUM RECURVUM
		520	LAEVICARDIUM MORTONI
		520	LYONSIA FLORIDANA
		520	MACOMA TENTA
		520	MODIOLUS AMERICANUS
	X	520	MYSELLA PLANULATA
		520	OSTREA EQUESTIS
		520	PARASTARTE TRIQUETRA
		520	TAGELUS DIVISUS
		520	TELLINA TAMPAENSIS
		520	TELLINA VERSICOLOR
PYCNOGONID		630	CALLIPALLENE BREVIROSTRIS
		630	PYCNOGONIDA SP.
CUMACEAN		641	CYCLASPIS VARIANS
		641	OXYUROSTYLUS CF. SMITHI
MYSID		642	AMERICAMYSIS BAHIA
TANAID		643	HALMYRAPSEUDES BAHAMENSIS
	X	643	HARGERIA REPAX
		643	KALLIOPSEUDES SP.
ISOPOD		644	AMAKUSANTHURA MAGNIFICA
		644	CYATHURA POLITA
		644	EDOTEA TRILOBA
		644	ERICHSONIELLA ATTENUATA
		644	HARRIETA FAXONI
		644	PARACERCEIS CAUDATA
	X	644	SPHAEROMA QUADRIDENTATA
	X	644	SPHAEROMA TEREBRANS
		644	UROMUNNA HAYESI
	X	644	XENANTHURA BREVITELSON
AMPHIPOD	X	645	ACANTHOHAUSTORIUS MILLERSI
		645	ACUMINODEUTOPUS NAGLEI
	X	645	AMPELISCA ABDITA
	X	645	AMPELISCA HOLMESI
		645	AMPELISCA VADORUM
		645	CERAPUS SP.A
		645	CERAPUS TUBULARIS
	X	645	COROPHIUM ELLISI
		645	COROPHIUM SP. A
		645	CYMADEUSA COMPTA
		645	DULCHIELLA APPENDICULATA
	X	645	ELASMOPUS LEVIS
	X	645	ERICHTHONIUS RUBICORNIS
		645	GAMMARUS MUCRONATUS
		645	GITANOPSIS SP.
	X	645	GRANDIDIERELLA BONNIEROIDES
		645	HYALE SP. A
		645	LEMBOS WEBSTERI
		645	LITRIELLA BARNARDI
		645	LYSIANOPSIS ALBA
		645	MELITA NITIDA
		645	PARACAPRELLA TENUIS
	X	645	PARAHYALE SP. A
		645	QUADRIMAERA MIRANDA
		645	REPOXINIUS EPISTOMUS
		645	SYNCHELIDIUM AMERICANUM
DECAPOD		646	ALPHEUS ARMAILLATIS
		646	AMBIDEXTER SYMMETRICUS
		646	DIAGENIDAE SP.
		646	HIPPOLYTE PLEUROCANTHUS

TABLE 2.	COMPREHENSIVE TAXONOMIC SPECIES LIST COLLECTED IN JUNE		
	DOMINANT (>5%)		
		646	PAGURIDAE SP.
		646	PAGURIDAE SP. A
		646	PAGURUS CF. STIMPSONI
		646	PANOPEUS HERBSTII
		646	PETROLISTHES CF. ARMATUS
		646	RHITHROPANOPEUS HARRISII
		646	TOZEUMA CAROLINENSE
		646	XANTHIDAE SP.
CIRRIPIEDIA		647	BALANUS IMPROVISUS
		647	BALANUS SP.
ECHINODERM		700	AMPHIURIDAE SP.
		700	MELLITA QUINQUEISPERFORATA
HOLOTHURIAN		710	DENDROCHIROTIDA SP.
		710	PARACAUDINA CHILENSIS
ASCIDACEAN		1300	MOGULA ARENATA
			TOTAL TAXA
			191

TABLE 3.		COMPREHENSIVE TAXONOMIC SPECIES LIST COLLECTED IN SEPTEMBER.		
	DOMINANT (>5%)			
CNIDARIA		100	THENARIA SP.	
PLATYHELMINTHES		200	STYLOCHUS ELLIPTICUS	
NEMERTEAN	X	300	CF. TUBULANUS PELLUCIDUS	
		300	NEMERTEA SP.	
POLYCHAETE	X	410	ARICIDEA PHILBINA	
		410	ASYCHIS ELONGATA	
		410	AUTOLYTUS DENTALIUS	
	X	410	CAPITELLA CAPITATA	
		410	CAPITELLA JONESI	
		410	CARAZZIELLA HOBSONAE	
		410	DIOPATRA CUPREA	
		410	EHLERSIA CORNUTA	
		410	ETEONE HETEROPODA	
		410	FABRICINUDA TRILOBOTA	
		410	GENETYLLIS CASTANEA	
		410	GLYCERA SP. C	
		410	GLYCINDE SOLITARIA	
		410	GRUBEOSYLLIS CLAVATA	
		410	HETEROMASTUS FILIFORMIS	
		410	HOBSONIA FLORIDA	
	X	410	LAONEREIS CULVERI	
	X	410	LEITOSCOLOPLOS ROBUSTUS	
	X	410	MAGELONA PETTIBONEAE	
		410	MARPHYSA CF. SANGUINEA	
		410	MARPHYSA SP.B	
		410	MEDIOMASTUS AMBISETA	
		410	MEDIOMASTUS CALIFORNIENSIS	
		410	MEDIOMASTUS SP.	
		410	MELINNA MACULATA	
		410	MONTICELLINA DORSOBRANCHIALIS	
		410	MOOREONUPHIS SP.	
	X	410	NEANTHES SUCCINEA	
		410	NEMATONEREIS HEBES	
		410	NEREIDAE SP.	
		410	NEREIS FALSA	
		410	NEREIS GRAYI	
		410	NEREIS LAMELLOSA	
		410	ONUPHIDAE SP.	
		410	PHYLLODOCIDAE SP.	
		410	PODARKEOPSIS LEVIFUSCINA	
		410	POLYDORA LIGNI	
	X	410	POLYDORA SOCIALIS	
		410	PRIONOSPIO HETEROBRANCHIA	
		410	SCOLOPLOS RUBRA	
		410	SERPULIDAE SP. A	
		410	SPIOCHAETOPTERUS C. OCULATUS	
	X	410	STREBLOSPIO BENEDICTI	
		410	TRAVISIA HOBSONAE	
OLIGOCHAETE	X	420	LIMNODRILOIDES RUBICUNDUS	
		420	TECTIDRILUS SQUALIDUS	
	X	420	THALASSODRILIDES GURWITSCHI	
	X	420	TUBIFICIDAE SP. W/OUT HAIRS	
	X	420	TUBIFICOIDES BROWNAE	
GASTROPOD	X	510	ACTEOCINA CANALICULATA	
		510	ANACHIS OBESA	
		510	ASSIMINEA SUCCINEA	
	X	510	ASTYRIS LUNATUS	
	X	510	BITTIUM VARIUM	
		510	BOONEA IMPRESSA	

TABLE 3.		COMPREHENSIVE TAXONOMIC SPECIES LIST COLLECTED IN SEPTEMBER.			
	DOMINANT (>5%)				
		510	BULLA STRIATA		
		510	CAECUM PULCHELLUM		
		510	CERITHIOPSIS GREENI		
		510	CREPIDULA MACULOSA		
		510	CREPIDULA PLANA		
		510	CREPIDULA SP.		
		510	HAMINOEA SUCCINEA		
	X	510	HYDROBIIDAE SP.		
		510	MELONGENA CORONA		
		510	NASSARIUS ALBUS		
		510	NASSARIUS VIBEX		
		510	NUDIBRANCHIA SP. A		
		510	ODOSTOMIA NR. GIBBOSA		
		510	PYRGOCYTHARA PLICOSA		
		510	SAYELLA CROSSEANA		
		510	SAYELLA LAEVIGATA		
		510	TURBONILLA VIRIDIMARIS		
		510	VITRINELLA CF. FLORIDANA		
BIVALVE		520	AMYGDALUM PAPHIUM		
		520	ANADARA FLORIDANA		
		520	ANADARA NOTABILIS		
		520	ANOMALOCARDIA AUBERIANA		
		520	ANOMIA SIMPLEX		
		520	BIVALVIA SP.		
		520	CRASSOSTREA VIRGINICA		
		520	GEUKENSIA GRANOSISSIMA		
		520	ISCHADIUM RECURVUM		
		520	LUCINA NASSULA		
		520	LYONSIA FLORIDANA		
		520	MACOMA CONSTRICTA		
		520	MACOMA TENTA		
		520	MYSELLA PLANULATA		
		520	MYTILOPSIS LEUKOPHAETA		
		520	OSTREA EQUESTIS		
	X	520	PARASTARTE TRIQUETRA		
		520	PARVILUCINA MULTILINEATA		
		520	TAGELUS DIVISUS		
		520	TELLINA TAMPAENSIS		
CUMACEAN		641	ALMYRACUMA PROXIMOCULI		
		641	CYCLASPIS VARIANS		
		641	OXYUROSSTYLUS CF. SMITHI		
MYSID		642	AMERICAMYSIS ALMYRA		
		642	AMERICAMYSIS BAHIA		
		642	BOWMANIELLA SP.		
TANAID	X	643	HARGERIA REPAX		
ISOPOD		644	CYATHURA POLITA		
		644	EDOTEA TRILOBA		
		644	ERICHSONIELLA ATTENUATA		
		644	HARRIETA FAXONI		
		644	PARACERCEIS CAUDATA		
		644	SPHAEROMA QUADRIDENTATUM		
		644	UROMUNNA HAYESI		
	X	644	XENANTHURA BREVITELSON		
AMPHIPOD	X	645	AMPELISCA ABDITA		
		645	AMPELISCA HOLMESI		
		645	AMPELISCA VADORUM		
		645	BATEA CATHERINENSIS		
	X	645	CERAPUS SP.A		
		645	COROPHIUM ELLISI		

TABLE 3.		COMPREHENSIVE TAXONOMIC SPECIES LIST COLLECTED IN SEPTEMBER.		
	DOMINANT (>5%)			
		645	COROPHIUM SP. A	
	X	645	CYADUSA COMPTA	
		645	ERICHTHONIUS RUBICORNIS	
		645	GITANOPSIS SP.	
		645	GRANDIDIERELLA BONNIEROIDES	
		645	LISTRIELLA BARNARDI	
	X	645	MELITA NITIDA	
		645	PARACAPRELLA TENUIS	
		645	QUADRIMAERA MIRANDA	
DECAPOD		646	ALPHEUS ARMAILLATIS	
		646	AMBIDEXTER SYMMETRICUS	
	X	646	EURYPANOPEUS DEPRESSUS	
		646	EURYTIUM LIMOSUM	
		646	PAGURIDAE SP.	
	X	646	PALAEMONETES PUGIO	
		646	PANOPEUS HERBSTII	
		646	PENAEUS DUORARUM	
		646	PETROLISTHES CF. ARMATUS	
CIRRIPIEDIA	X	647	BALANUS IMPROVISUS	
INSECT		651	POLYPEDILUM SCALAENUM	
ASCIDACEAN		1300	MOGULA ARENATA	
			TOTAL TAXA	140

TABLE. 4		COMPREHENSIVE TAXONOMIC LIST FROM STATION 1.		
CNIDARIA	100	THENARIA SP.		
PLATYHELMINTHES	200	STYLOCHUS ELLIPTICUS		
NEMERTEAN	300	NEMERTEA SP.		
ANNELIDA				
POLYCHAETE	410	ARICIDEA PHILBINA		
	410	CAPITELLA CAPITATA		
	410	CAPITELLA JONESI		
	410	CIRROPHORUS SP.		
	410	EHLERSIA CORNUTA		
	410	FABRICINUDA TRILOBOTA		
	410	GENETYLLIS CASTANEA		
	410	GRUBEOSYLLIS CLAVATA		
	410	ISOLDA PULCHELLA		
	410	LOIMIA MEDUSA		
	410	LYSIDICE SP. A		
	410	MACROCHAETA CF. CLAVICORNIS		
	410	MARPHYSA CF. SANGUINEA		
	410	MARPHYSA SP. B		
	410	MEDIOMASTUS CALIFORNIENSIS		
	410	MEDIOMASTUS SP.		
	410	MONTICELLINA DORSOBRANCHIALIS		
	410	NEANTHES SUCCINEA		
	410	NEMATONEREIS HEBES		
	410	NEREIDAE SP.		
	410	NEREIS FALSA		
	410	NEREIS GRAYI		
	410	NEREIS LAMELLOSA		
	410	ONUPHIDAE SP.		
	410	PARAHESIONE LUTEA		
	410	PHYLLODOCIDAE SP.		
	410	PIONOSYLLIS SP. D		
	410	PISTA PALMATA		
	410	PODARKE OBSCURA		
	410	PODARKEOPSIS LEVIFUSCINA		
	410	POLYDORA SOCIALIS		
	410	PRIONOSPION HETEROBRANCHIA		
	410	PRIONOSPION MULTIBRANCHIATA		
	410	SPHAEROSYLLIS TAYLORI		
	410	STREBLOSOMA HARTMANAE		
	410	STREBLOSPION BENEDICTI		
	410	SYLLIDAE SP.		
	410	TEREBELLIDAE SP.		
	410	TYPOSYLLIS CF. PROLIFERA		
OLIGOCHAETE	420	THALASSODRILIDES GURWITSCHI		
	420	TUBIFICIDAE SP. W/OUT HAIRS		
MOLLUSCA				
GASTROPOD	510	ANACHIS OBESA		
	510	ASTYRIS LUNATUS		
	510	ASTYRIS LUNATUS		
	510	BITTIUM VARIUM		
	510	BOONEA IMPRESSA		
	510	CAECUM PULCHELLUM		
	510	CERITHIOPSIS GREENI		
	510	CREPIDULA PLANA		
	510	DIODERA CAYENENSIS/LISTERI		
	510	EPITONIUM SP.		
	510	ISCHADIUM RECURVUM		
	510	MARSHALLORA NIGROCINCTA		
	510	NASSARIUS VIBEX		
	510	NUDIBRANCHIA SP. A		

TABLE. 4	COMPREHENSIVE TAXONOMIC LIST FROM STATION 1.		
	510	PYRGOCYTHARA PLICOSA	
	510	SCHWARTZIELLA BRYEREA	
	510	SEILA ADAMSI	
	510	VITRINELLA CF. FLORIDANA	
	520	ANADARA NOTABALIS	
BIVALVE	520	ANOMIA SIMPLEX	
	520	BARBATIA DOMINGENSIS	
	520	BIVALVIA SP.	
	520	CORBULA CONTRACTA	
	520	CRASSOSTREA VIRGINICA	2
	520	CRYPTOSTREA PERMOLLIS	
	520	ENTODESMA BEANA	
	520	GEUKENSIA GRANOSISSIMA	
	520	ISCHADIUM RECURVUM	
	520	LUCINA NASSULA	
	520	LYONSIA FLORIDANA	
	520	MODIOLUS AMERICANUS	
	520	OSTREA EQUESTIS	
ARTHROPODA			
TANAID	643	HARGERIA REPAX	
ISOPOD	644	ERICHSONIELLA ATTENUATA	
	644	HARRIETA FAXONI	
	644	PARACERCEIS CAUDATA	
	644	UROMUNNA HAYESI	
	644	XENANTHURA BREVITELSON	
AMPHIPOD	645	COROPHIUM SP. A	
	645	CYMADEUSA COMPTA	
	645	DULCHIELLA APPENDICULATA	
	645	ELASMOPUS LEVIS	
	645	ERICHTHONIUS RUBICORNIS	
	645	GITANOPSIS SP.	
	645	GRANDIDIERELLA BONNIEROIDES	
	645	LYSIANOPSIS ALBA	
	645	MELITA NITIDA	
	645	PARACAPRELLA TENUIS	
	645	QUADRIMAERA MIRANDA	
	645	REPOXINIUS EPISTOMUS	
DECAPOD	646	ALPHEUS ARMAILLATIS	
	646	HIPPOLYTE PLEUROCANTHUS	
	646	PAGURIDAE SP.	
	646	PAGURIDAE SP. A	
	646	PANOPEUS HERBSTII	
	646	PETROLISTHES CF. ARMATUS	
	646	RHITHROPANOPEUS HARRISII	
CIRRIPIEDIA	647	BALANUS IMPROVISUS	
	647	BALANUS SP.	
ECHINODERM	700	AMPHIURIDAE SP.	
		TOTAL TAXA	107

TABLE. 5.		COMPREHENSIVE TAXONOMIC LIST FROM STATION 2.	
PLATYHELMINTHES	200	STYLOCHUS ELLIPTICUS	
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS	
	300	NEMERTEA SP.	
ANNELIDA			
POLYCHAETE	410	ARICIDEA PHILBINA	
	410	ARICIDEA TAYLORI	
	410	CAPITELLA CAPITATA	
	410	CHONE CF. AMERICANA	
	410	ETEONE HETEROPODA	
	410	FABRICINUDA TRILOBOTA	
	410	HETEROMASTUS FILIFORMIS	
	410	HOBSONIA FLORIDA	
	410	LAONEREIS CULVERI	
	410	LEITOSCOLOPLOS ROBUSTUS	
	410	MARPHYSA CF. SANGUINEA	
	410	MARPHYSA SP.B	
	410	MELINNA MACULATA	
	410	POLYDORA LIGNI	
	410	PRIONOSPION HETEROBRANCHIA	
	410	SCOLELEPIS TEXANA	
	410	STREBLOSPIO BENEDICTI	
OLIGOCHAETE	420	THALASSODRILIDES GURWITSCHI	
	420	TUBIFICIDAE SP. W/OUT HAIRS	
MOLLUSCA			
GASTROPOD	510	ACTEOCINA CANALICULATA	
	510	ASSIMINEA SUCCINEA	
	510	ASTYRIS LUNATUS	
	510	BITTIUM VARIUM	
	510	NUDIBRANCHIA SP. A	
	510	ODOSTOMIA NR. GIBBOSA	
	510	SAYELLA CROSSEANA	
	510	SAYELLA LAEVIGATA	
	510	VITRINELLA CF. FLORIDANA	
BIVALVE	520	AMYGDALUM PAPHOSIUM	
	520	BIVALVIA SP.	
	520	CF. CHIONE CANCELLATA	
	520	CORBULA CONTRACTA	
	520	MACOMA CONSTRICTA	
	520	MACOMA TENTA	
	520	MYSELLA PLANULATA	
	520	TAGELUS DIVISUS	
	520	TELLINA TAMPAENSIS	
ARTHROPODA			
CUMACEAN	641	CYCLASPIS VARIANS	
	641	OXYUROSTYLUS CF. SMITHI	
TANAID	643	HARGERIA REPAX	
ISOPOD	644	EDOTEA TRILOBA	
	644	ERICHSONIELLA ATTENUATA	
	644	XENANTHURA BREVITELSON	
AMPHIPOD	645	AMPELISCA ABDITA	
	645	AMPELISCA VADORUM	
	645	CERAPUS SP.A	
	645	COROPHIUM SP. A	
	645	CYCADUSA COMPTA	
	645	GRANDIDIERELLA BONNIERIDES	
DECAPOD	646	RHITHROPANOPEUS HARRISII	
CIRRIPIEDIA	647	BALANUS IMPROVISUS	
		TOTAL TAXA	54

TABLE. 6.		COMPREHENSIVE TAXONOMIC LIST FROM STATION 3.	
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS	
	300	NEMERTEA SP.	
ANNELIDA			
POLYCHAETE	410	ARENICOLA CRISTATA	
	410	ARICIDEA PHILBINA	
	410	CAPITELLA CAPITATA	
	410	ETEONE HETEROPODA	
	410	HETEROMASTUS FILIFORMIS	
	410	HOBSONIA FLORIDANA	
	410	LAONEREIS CULVERI	
	410	LEITOSCOLOPLOS ROBUSTUS	
	410	MARPHYSA SP. B	
	410	NEMATONEREIS HEBES	
	410	PODARKE OBSCURA	
	410	POLYDORA LIGNI	
	410	SERPULIDAE SP. A	
OLIGOCHAETE	420	THALASSODRILIDES GURWITSCHI	
	420	TUBIFICIDAE SP. W/OUT HAIRS	
MOLLUSCA			
GASTROPOD	510	ACTEOCINA CANALICULATA	
	510	ASTYRIS LUNATUS	
	510	BITTIUM VARIUM	
	510	HYDROBIIIDAE SP.	
	510	MELONGENA CORONA	
	510	ODOSTOMIA NR. GIBBOSA	
	510	SAYELLA LAEVIGATA	
	510	VITRINELLA CF. FLORIDANA	
BIVALVE	520	AMYGDALUM PAPHIUM	
	520	CRASSOSTREA VIRGINICA	
	520	GEUKENSIA GRANOSISSIMA	
	520	ISCHADIUM RECURVUM	
	520	MYTILOPSIS LEUKOPHAETA	
	520	TAGELUS DIVISUS	
ARTHROPODA	520	TELLINA TAMPAENSIS	
	643	HARGERIA REPAX	
	644	CYATHURA POLITA	
	644	EDOTEA TRILOBA	
	644	ERICHSONIELLA ATTENUATA	
	644	HARRIETA FAXONI	
	644	SPHAEROMA QUADRIDENTATUM	
	644	SPHAEROMA TEREBRANS	
	644	XENANTHURA BREVITELSON	
AMPHIPOD	645	AMPELISCA ABDITA	
	645	AMPELISCA VADORUM	
	645	CERAPUS SP. A	
	645	COROPHIUM ELLISI	
	645	COROPHIUM SP. A	
	645	CYADUSA COMPTA	
	645	GAMMARUS MUCRONATUS	
	645	GITANOPSIS SP.	
	645	GRANDIDIERELLA BONNIEROIDES	
	645	HYALE SP. A	
	645	MELITA NITIDA	
DECAPOD	645	PARACAPRELLA TENUIS	
	646	EURYPANOPEUS DEPRESSUS	
	646	PALAEMONETES PUGIO	
	646	PANOPEUS HERBSTII	
	646	PENAEUS DUORARUM	
CIRRIPEDIA	647	BALANUS IMPROVISUS	
		TOTAL TAXA	57

TABLE. 7		COMPREHENSIVE TAXONOMIC LIST FROM STATION 4.	
PLATYHELMINTHES	200	STYLOCHUS ELLIPTICUS	
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS	
	300	NEMERTEA SP.	
ANNELIDA			
POLYCHAETE	410	ARICIDEA PHILBINA	
	410	CAPITELLA CAPITATA	
	410	CHONE CF. AMERICANA	
	410	DIOPATRA CUPREA	
	410	ETEONE HETEROPODA	
	410	FABRICINUDA TRIBOTA	
	410	GLYCINDE SOLITARIA	
	410	HETEROMASTUS FILIFORMIS	
	410	HOBSONIA FLORIDA	
	410	LAONEREIS CULVERI	
	410	LEITOSCOLOPLOS ROBUSTUS	
	410	MALDANIDAE SP.	
	410	MARPHYSA SP.B	
	410	MEDIOMASTUS SP.	
	410	MELINNA MACULATA	
	410	MONTICELLINA DORSOBRANCHIALIS	
	410	NEMATONEREIS HEBES	
	410	PARAPRIONOSPIO PINNATA	
	410	PHYLLODOCE ARENAE	
	410	PODARKE OBSCURA	
	410	PODARKEOPSIS LEVIFUSCINA	
	410	POLYDORA LIGNI	
	410	PRIONOSPIO HETEROBRANCHIA	
	410	PRIONOSPIO PERKINSI	
	410	SCOLELEPIS TEXANA	
	410	SCOLOPLOS RUBRA	
	410	SPIOCHAETOPTERUS C. OCULATUS	
	410	STREBLOSPIO BENEDICTI	
MOLLUSCA			
GASTROPOD	510	ACTEOCINA CANALICULATA	
	510	ASTYRIS LUNATUS	
	510	CREPIDULA MACULATA	
	510	HYDROBIIDAE SP.	
	510	SAYELLA LAEVIGATA	
BIVALVE	520	AMYGDALUM PAPYRIUM	
	520	LYONSIA FLORIDANA	
	520	MACOMA CONSTRICTA	
	520	MACOMA TENTA	
	520	PARASTARTE TRIQUETRA	
	520	TAGELUS DIVISUS	
	520	TELLINA TAMPAENSIS	
ARTHROPODA			
CUMACEAN	641	CYCLASPIS VARIANS	
	641	OXYUROSSTYLUS CF. SMITHI	
MYSID	642	BOWMANIELLA SP.	
TANAID	643	HALMYRAPSEUDES BAHAMENSIS	
	643	HARGERIA REPAX	
ISOPOD	644	CYATHURA POLITA	
	644	EDOTEA TRILOBA	
	644	ERICHSONIELLA ATTENUATA	
	644	SPHAEROMA QUADRIDENTATA	
	644	SPHAEROMA TEREBRANS	
	644	XENANTHURA BREVITELSON	
AMPHIPOD	645	AMPELISCA ABDITA	
	645	AMPELISCA HOLMESI	
	645	AMPELISCA VADORUM	

TABLE. 7		COMPREHENSIVE TAXONOMIC LIST FROM STATION 4.	
	645	CERAPUS SP.A	
	645	CYMA DUSA COMPTA	
	645	GRANDIDIERELLA BONNIEROIDES	
	645	PARACAPRELLA TENUIS	
CIRRIPEDIA	647	BALANUS IMPROVISUS	
INSECT	651	POLYPEDILUM SCALAENUM	
		TOTAL TAXA	64

TABLE. 8	COMPREHENSIVE TAXONOMIC LIST FROM STATION 5.		
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS	
	300	NEMERTEA SP.	
ANNELIDA			
POLYCHAETE	410	ARICIDEA PHILBINA	
	410	ASYCHIS ELONGATA	
	410	CAPITELLA CAPITATA	
	410	CHONE CF. AMERICANA	
	410	DIOPATRA CUPREA	
	410	ETEONE HETEROPODA	
	410	FABRICINUDA TRILOBOTA	
	410	GLYCIDINDE SOLITARIA	
	410	HETEROMASTUS FILIFORMIS	
	410	HOBSONIA FLORIDA	
	410	LAONEREIS CULVERI	
	410	LEITOSCOLOPLOS ROBUSTUS	
	410	MARPHYSA CF. SANGUINEA	
	410	MEDIOMASTUS SP.	
	410	MELINNA MACULATA	
	410	PARAPRIONOSPION PINNATA	
	410	PODARKE OBSCURA	
	410	PRIONOSPION HETEROBRANCHIA	
	410	SPIOCHAETOPTERUS C. OCULATUS	
	410	STREBLOSPIO BENEDICTI	
OLIGOCHAETE	420	THALASSODRILIDES GURWITSCHI	
	420	TUBIFICIDAE SP. W/OUT HAIRS	
MOLLUSCA			
GASTROPOD	510	ACTEOCINA CANALICULATA	
	510	ASTYRIS LUNATUS	
	510	BITTIUM VARIUM	
	510	CREPIDULA MACULATA	
	510	CREPIDULA PLANA	
	510	CREPIDULA SP.	
	510	EULIMASTOMA CANALICULATA	
	510	GASTROPODA SP.	
	510	HYDROBIIDAE SP.	
	510	NASSARIUS VIBEX	
	510	NUDIBRANCHIA SP. A	
	510	ODOSTOMIA NR. GIBBOSA	
	510	SAYELLA CROSSEANA	
BIVALVE	520	AMYGDALUM PAPHOSIUM	
	520	BIVALVIA SP.	
	520	GUEKENSIA GRANOSISSIMA	
	520	MACOMA TENTA	
	520	MYSELLA PLANULAT	
	520	PARASTARTE TRIQUETRA	
	520	TAGELUS DIVISUS	
	520	TELLINA TAMPAENSIS	
	520	TELLINA TAMPAENSIS	
ARTHROPODA			
PYCNOGONID	630	PYCNOGONIDA SP.	
CUMACEAN	641	ALMYRACUMA PROXIMOCULI	
	641	CYCLASPIS VARIANS	
	641	OXYUROSTYLUS CF. SMITHI	
MYSID	642	BOWMANIELLA SP.	
TANAID	643	HARGERIA REPAX	
ISOPOD	644	EDOTEA TRILOBA	
	644	ERICHSONIELLA ATTENUATA	
	644	XENANTHURA BREVITELSON	
AMPHIPOD	645	AMPELISCA ABDITA	
	645	AMPELISCA HOLMESI	

TABLE. 8	COMPREHENSIVE TAXONOMIC LIST FROM STATION 5.		
	645	CERAPUS SP.A	
	645	CYMADUSA COMPTA	
	645	GRANDIDIERELLA BONNIEROIDES	
	645	PARACAPRELLA TENUIS	
DECAPOD	646	HIPPOLYTE PLEUROCANTHUS	
		TOTAL TAXA	62

TABLE. 9		COMPREHENSIVE TAXONOMIC LIST FROM STATION 6.	
CNIDARIA	100	THENARIA SP.	
PLATYHELMINTHES	200	STYLOCHUS ELLIPTICUS	
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS	
	300	NEMERTEA SP.	
ANNELIDA			
POLYCHAETE	410	ARICIDEA PHILBINAE	
	410	ARICIDEA SUECICA	
	410	CAPITELLA CAPITATA	
	410	CHONE CF. AMERICANA	
	410	ETEONE HETEROPODA	
	410	FABRICINUDA TRILOBOTA	
	410	GENETYLLIS CASTANEA	
	410	HETEROMASTUS FILIFORMIS	
	410	HOBSONIA FLORIDA	
	410	LAONEREIS CULVERI	
	410	LEITOSCOLOPLOS ROBUSTUS	
	410	MELINNA MACULATA	
	410	PODARKE OBSCURA	
	410	POLYDORA LIGNI	
	410	STENONINEREIS MARTINI	
OLIGOCHAETE	420	LIMNODRILOIDES RUBICUNDUS	
	420	THALASSODRILIDES GURWITSCHI	
	420	TUBIFICIDAE SP. W/OUT HAIRS	
MOLLUSCA			
GASTROPOD	510	ACTEOCINA CANALICULATA	
	510	GASTROPODA SP.	
	510	NUDIBRANCHIA SP. A	
	510	ODOSTOMIA NR. GIBBOSA	
	510	SAYELLA CROSSEANA	
	510	SAYELLA LAEVIGATA	
BIVALVE	520	ANOMALOCARDIA AUBERIANA	
	520	MYSELLA PLANULATA	
	520	PARASTARTE TRIQUETRA	
	520	TAGELUS DIVISUS	
	520	TELLINA TAMPAENSIS	
ARTHROPODA			
TANAID	643	HARGERIA REPAX	
ISOPOD	644	CYATHURA POLITA	
	644	EDOTEA TRILOBA	
	644	ERICHSONIELLA ATTENUATA	
	644	HARRIETA FAXONI	
	644	XENANTHURA BREVITELSON	
AMPHIPOD	645	AMPELISCA ABDITA	
	645	CERAPUS SP.A	
	645	CERAPUS TUBULARIS	
	645	COROPHIUM ELLISI	
	645	COROPHIUM SP. A	
	645	ELASMOPUS LEVIS	
	645	GAMMARUS MUCRONATUS	
	645	GRANDIDIERELLA BONNIEROIDES	
		TOTAL TAXA	47

TABLE. 10		COMPREHENSIVE TAXONOMIC LIST FROM STATION 7.	
CNIDARIA	100	THENARIA SP.	
PLATYHELMINTHES	200	STYLOCHUS ELLIPTICUS	
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS	
	300	NEMERTEA SP.	
ANNELIDA			
POLYCHAETE	410	CAPITELLA CAPITATA	
	410	ETEONE HETEROPODA	
	410	EUNICIDAE SP.	
	410	FABRICINUDA TRILOBOTA	
	410	GENETYLLIS CASTANEA	
	410	GRUBEOSYLLIS CLAVATA	
	410	HETEROMASTUS FILIFORMIS	
	410	LAONEREIS CULVERI	
	410	LEITOSCOLOPLOS ROBUSTUS	
	410	MAGELONA PETTIBONEAE	
	410	MARPHYSA CF. SANGUINEA	
	410	MELINNA MACULATA	
	410	NEANTHES SUCCINEA	
	410	NEREIDAE SP.	
	410	PODARKEOPSIS LEVIFUSCINA	
	410	POLYDORA LIGNI	
	410	PRIONOSPIO HETEROBRANCHIA	
	410	SCOLELEPIS TEXANA	
	410	STREBLOSPIO BENEDICTI	
OLIGOCHAETE	420	THALASSODRILIDES GURWITSCHI	
	420	TUBIFICIDAE SP. W/OUT HAIRS	
MOLLUSCA			
GASTROPOD	510	ACTEOCINA CANALICULATA	
	510	ASTYRIS LUNATUS	
	510	BITTIUM VARIUM	
	510	BOONEA IMPRESSA	
	510	CREPIDULA MACULATA	
	510	CREPIDULA PLANA	
	510	NASSARIUS ALBUS	
	510	NASSARIUS VIBEX	
	510	NUDIBRANCHIA SP. A	
	510	ODOSTOMIA NR. GIBBOSA	
	510	VITRINELLA CF. FLORIDANA	
BIVALVE	520	AMYGDALUM PAPHIUM	
	520	CRASSOSTREA VIRGINICA	
	520	GEUKENSIA GRANOSISSIMA	
	520	ISCHADIUM RECURVUM	
	520	MYSELLA PLANULATA	
	520	TELLINA TAMPAENSIS	
ARTHROPODA			
TANAID	643	HARGERIA REPAX	
ISOPOD	644	SPHAEROMA QUADRIDENTATUM	
AMPHIPOD	645	AMPELISCA ABDITA	
	645	AMPELISCA HOLMESI	
	645	BATEA CATHERINENSIS	
	645	COROPHIUM SP. A	
	645	CYMADESA COMPTA	
	645	ERICHTHONIUS RUBICORNIS	
	645	GITANOPSIS SP.	
	645	GRANDIDIERELLA BONNIEROIDES	
	645	MELITA NITIDA	
	645	PARAHYALE SP. A	
DECAPOD	646	ALPHEUS ARMAILLATIS	
	646	EURYPANOEUS DEPRESSUS	
	646	EURYTIUM LIMOSUM	

TABLE. 10		COMPREHENSIVE TAXONOMIC LIST FROM STATION 7.	
	646	HIPPOLYTE PLEUROCANTHUS	
	646	PAGURIDAE SP.	
	646	PALAEEMONETES PUGIO	
	646	PANOPEUS HERBSTII	
	646	PETROLISTHES CF. ARMATUS	
	646	XANTHIDAE SP.	
CIRRIPIEDIA	647	BALANUS IMPROVISUS	
		TOTAL TAXA	64

TABLE. 11	COMPREHENSIVE TAXONOMIC LIST FROM STATION 8.		
CNIDARIA	100	THENARIA SP.	
PLATYHELMINTHES	200	STYLOCHUS ELLIPTICUS	
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS	
	300	NEMERTEA SP.	
ANNELIDA			
POLYCHAETE	410	ARENICOLA CRISTATA	
	410	ARICIDEA PHILBINA	
	410	ARMANDIA MACULATA	
	410	ASYCHIS ELONGATA	
	410	CAPITELLA CAPITATA	
	410	CAPITELLA JONESI	
	410	CIRRATULUS SP.	
	410	ETEONE HETEROPODA	
	410	EUMIDA SANGUINEA	
	410	GENETYLLIS CASTANEA	
	410	GLYCINDE SOLITARIA	
	410	LAONEREIS CULVERI	
	410	LEITOSCOLOPLOS ROBUSTUS	
	410	LUMBRINERIS TESTUDINUM	
	410	MAGELONA PETTIBONEAE	
	410	MEDIOMASTUS AMBISETA	
	410	MEDIOMASTUS SP.	
	410	NEANTHES SUCCINEA	
	410	PHYLLODOCE ARENAE	
	410	PODARKEOPSIS LEVIFUSCINA	
	410	PRIONOSPION HETEROBRANCHIA	
	410	SCOLELEPIS TEXANA	
	410	SCOLOPLOS RUBRA	
	410	SCYPHOPROCTUS SP.	
	410	SPIOCHAETOPTERUS C. OCULATUS	
	410	STHENELAIS SP. A	
	410	STREBLOSPIO BENEDICTI	
OLIGOCHAETE	420	LIMNODRILIDES RUBICUNDUS	
	420	TECTIDRILUS SQUALIDUS	
	420	THALASSODRILIDES GURWITSCHI	
MOLLUSCA			
GASTROPOD	510	ACTEOCINA CANALICULATA	
	510	ASTYRIS LUNATUS	
	510	BITTIUM VARIUM	
	510	BOONEA IMPRESSA	
	510	CAECUM PULCHELLUM	
	510	HAMINOEA SUCCINEA	
	510	HYDROBIIIDAE SP.	
	510	PISANIA TINCTA	
	510	SAYELLA LAEVIGATA	
BIVALVE	520	BIVALVIA SP.	
	520	MYSELLA PLANULATA	
	520	TAGELUS DIVISUS	
	520	TELLINA TAMPAENSIS	
	520	TELLINA VERSICOLOR	
ARTHROPODA			
CUMACEAN	641	CYCLASPIS VARIANS	
	641	OXYUROSTYLUS CF. SMITHI	
MYSID	642	AMERICAMYSIS ALMYRA	
	642	AMERICAMYSIS BAHIA	
	642	BOWMANIELLA SP.	
TANAID	643	HALMYRAPSEUDES BAHAMENSIS	
	643	KALLIOPSEUDES SP.	
ISOPOD	644	EDOTEA TRILOBA	
	644	SPHAEROMA QUADRIDENTATUM	

TABLE. 11		COMPREHENSIVE TAXONOMIC LIST FROM STATION 8.	
AMPHIPOD	645	AMPELISCA ABDITA	
	645	AMPELISCA HOLMESI	
	645	CERAPUS TUBULARIS	
	645	COROPHIUM SP. A	
	645	CYMA DUSA COMPTA	
	645	GRANDIDIERELLA BONNIEROIDES	
	645	LISTRIELLA BARNARDI	
	645	PARACAPRELLA TENUIS	
	645	PARAHYALE SP. A	
DECAPOD	646	PAGURIDAE SP.	
	646	PETROLISTHES CF. ARMATUS	
	646	XANTHIDAE SP.	
CIRRIPIEDIA	647	BALANUS IMPROVISUS	
		TOTAL TAXA	70

TABLE. 12		COMPREHENSIVE TAXONOMIC LIST FROM STATION 9.	
PLATYHELMINTHES	200	STYLOCHUS ELLIPTICUS	
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS	
	300	NEMERTEA SP.	
ANNELIDA *			
POLYCHAETE	410	ARICIDEA PHILBINA	
	410	ARMANDIA MACULATA	
	410	CAPITELLA CAPITATA	
	410	CHONE CF. AMERICANA	
	410	ETEONE HETEROPODA	
	410	GLYCERA SP. C	
	410	GLYCINDE SOLITARIA	
	410	HOBSONIA FLORIDA	
	410	LAONEREIS CULVERI	
	410	LEITOSCOLOPLOS ROBUSTUS	
	410	MEDIOMASTUS AMBISSETA	
	410	MEDIOMASTUS SP.	
	410	MELINNA MACULATA	
	410	MONTICELLINA DORSOBRANCHIALIS	
	410	NOTOMASTUS HEMIPODUS	
	410	PODARKE OBSCURA	
	410	POLYDORA SOCIALIS	
	410	PRIONOSPION HETEROBRANCHIA	
	410	SCOLELEPIS TEXANA	
	410	SPIROCHAETOPTERUS C. OCULATUS	
OLIGOCHAETE	420	LIMNODRILIDES RUBICUNDUS	
	420	THALASSODRILIDES GURWITSCHI	
	420	TUBIFICIDAE SP. W/OUT HAIRS	
	420	TUBIFICOIDES BROWNAE	
MOLLUSCA			
GASTROPOD	510	ACTEOCINA CANALICULATA	
	510	ANACHIS OBESA	
	510	ANOMALOCARDIA AUBERIANA	
	510	ASTYRIS LUNATUS	
	510	BITTUM VARIUM	
	510	BULLA STRIATA	
	510	HYDROBIIDAE SP.	
	510	NASSARIUS ALBUS	
	510	NASSARIUS VIBEX	
	510	ODOSTOMIA NR. GIBBOSA	
	510	VITRINELLA CF. FLORIDANA	
BIVALVE	520	AMYGDALUM PAPHAGIUM	
	520	MACOMA TENTA	
	520	MYSELLA PLANULATA	
	520	PARASTARTE TRIQUETRA	
	520	TAGELUS DIVISUS	
	520	TELLINA TAMPAENSIS	
	520	TELLINA VERSICOLOR	
ARTHROPODA			
PYCNOGONID	630	CALLIPALLENE BREVIROSTRIS	
CUMACEAN	641	ALMYRACUMA PROXIMOCULI	
	641	CYCLASPIS VARIANS	
	641	OXYUROSTYLUS CF. SMITHI	
MYSID	642	AMERICAMYSIS BAHIA	
TANAID	643	HARGERIA REPAX	
ISOPOD	644	EDOTEA TRILOBA	
	644	ERICHSONIELLA ATTENUATA	
	644	HARRIETA FAXONI	
	644	SPHAEROMA QUADRIDENTATUM	

TABLE. 12		COMPREHENSIVE TAXONOMIC LIST FROM STATION 9.	
	644	XENANTHURA BREVITELSON	
AMPHIPOD	645	AMPELISCA ABDITA	
	645	AMPELISCA HOLMESI	
	645	CERAPUS TUBULARIS	
	645	GRANDIDIERELLA BONNIEROIDES	
	645	PARACAPRELLA TENUIS	
DECAPOD	646	DIOGENIDAE SP.	
	646	PANOPEUS HERBSTII	
	646	XANTHIDAE SP.	
CIRRIPIEDIA	647	BALANUS IMPROVISUS	
HOLOTHURIAN	710	DENDROCHIROTIDA SP.	
	710	PARACAUDINA CHILENSIS	
CHORDATA			
ASCIDACEA	1300	MOGULA ARENATA	
		TOTAL TAXA	68

TABLE. 13	COMPREHENSIVE TAXONOMIC LIST FROM STATION 10.	
CNIDARIA	100	THENARIA SP.
PLATYHELMINTHES	200	EUPLANA GRACILIS
	200	STYLOCHUS ELLIPTICUS
NEMERTEAN	300	NEMERTEA SP.
ANNELIDA		
POLYCHAETE	410	ARICIDEA PHILBINA
	410	ARMANDIA MACULATA
	410	AUTOLYTUS DENTALIUS
	410	AXIOHELLA MUCOSA
	410	CAPITELLA CAPITATA
	410	CAPITELLA JONESI
	410	CARAZZIELLA HOBSONAE
	410	DIOPATRA CUPREA
	410	EHLERSIA CORNUTA
	410	GLYCERA SP. C
	410	GLYCINDE SOLITARIA
	410	GRUBEOSYLLIS CLAVATA
	410	MAGELONA PETTIBONEAE
	410	MEDIOMASTUS AMBISSETA
	410	MEDIOMASTUS CALIFORNIENSIS
	410	MEDIOMASTUS SP.
	410	MOOREONUPHIS SP.
	410	NEANTHES SUCCINEA
	410	NEREIDAE SP.
	410	NEREIS FALSA
	410	ONUPHIDAE SP.
	410	PARAPRIONOSPIO PINNATA
	410	PODARKEOPSIS LEVIFUSCINA
	410	POLYDORA LIGNI
	410	POLYDORA SOCIALIS
	410	PRIONOSPIO HETEROBRANCHIA
	410	SCOLELEPIS TEXANA
	410	SPIOCHAETOPTERUS C. OCULATUS
	410	SPIONIDAE SP.
	410	SYLLIDAE SP.
	410	TRAVISIA HOBSONAE
OLIGOCHAETE	420	LIMNODRILOIDES BARNARDI
	420	LIMNODRILOIDES RUBICUNDUS
	420	TUBIFICIDAE SP. W/OUT HAIRS
	420	TUBIFICOIDES BROWNAE
MOLLUSCA		
GASTROPOD	510	ACTEOCINA CANALICULATA
	510	ANACHIS OBESA
	510	ANADARA TRANSVERSA
	510	ASTYRIS LUNATUS
	510	BITTIUM VARIUM
	510	BOONEA IMPRESSA
	510	CAECUM PULCHELLUM
	510	CREPIDULA MACULOSA
	510	CREPIDULA PLANA
	510	CREPIDULA SP.
	510	HAMINOEA SUCCINEA
	510	LUCINIDAE SP.
	510	NASSARIUS VIBEX
	510	NUDIBRANCHIA SP. A
	510	ODOSTOMIA NR. GIBBOSA
	510	PISANIA TINCTA
	510	SAYELLA LAEVIGATA

TABLE. 13		COMPREHENSIVE TAXONOMIC LIST FROM STATION 10.	
	510	TURBONILLA VIRIDIMARIS	
BIVALVE	520	AMYGDALUM PAPHIUM	
	520	ANADARA FLORIDANA	
	520	ANOMALOCARDIA AUBERIANA	
	520	ISCHADIUM RECURVUM	
	520	LAEVICARDIUM MORTONI	
	520	MYSELLA PLANULATA	
	520	PARVILUCINA MULTILINEATA	
	520	TELLINA TAMPAENSIS	
CUMACEAN	641	CYCLASPIS VARIANS	
	641	OXYUROSTYLUS CF. SMITHI	
MYSID	642	AMERICAMYSIS BAHIA	
TANAID	643	HALMYRAPSEUDES BAHAMENSIS	
	643	HARGERIA REPAX	
ISOPOD	644	AMAKUSANTHURUS MAGNIFICA	
	644	CYATHURA POLITA	
	644	ERICHSONIELLA ATTENUATA	
	644	PARACERCEIS CAUDATA	
AMPHIPOD	645	ACANTHOHAUSTORIUS MILLERSI	
	645	ACUMINODEUTOPUS NAGLEI	
	645	AMPELISCA ABDITA	
	645	AMPELISCA HOLMESI	
	645	AMPELISCA VADORUM	
	645	BATEA CATHERINENSIS	
	645	CERAPUS TUBULARIS	
	645	COROPHIUM SP. A	
	645	CYADUSA COMPTA	
	645	ELASMOPUS LEVIS	
	645	ERICHTHONIUS RUBICORNIS	
	645	GITANOPSIS SP.	
	645	LEMBOS WEBSTERI	
	645	LISTRIELLA BARNARDI	
	645	SYNHELIDIUM AMERICANUM	
DECAPOD	646	AMBIDEXTER SYMMETRICUS	
	646	HIPPOLYTE PLEUROCANTHUS	
	646	PAGURIDAE SP.	
	646	PAGURUS CF. STIMPSONI	
	646	PENAEUS DUORARUM	
	646	TOZEUMA CAROLINENSE	
CIRRIPIEDIA	647	BALANUS IMPROVISUS	
ECHINODERM	700	MELLITA QUINQUEISPERFORATA	
CHORDATA			
ASCIDACEAN	1300	MOGULA ARENATA	
		TOTAL TAXA	98

TABLE 14. STATION 1: RANK ORDER----JUNE 1999

				REPLICATE				
	TAXA	1	2	3	4	5	TOTAL	%
645	ERICHTHONIUS RUBICUNDIS	211	1	28	100	39	379	18
645	ELASMOPUS LEVIS	15	50	8	200	12	285	14
510	CREPIDULA PLANA	24	33	26	44	40	167	8
643	HARGERIA REPAX	9	16	9	25	103	162	8
420	THALASSODRILIDES GURWITSCHI	17	18	3	84	3	125	6
510	ASTYRIS LUNATUS	48	2	2	58	12	122	6
645	GITANOPSIS SP.	1	24	14	16	26	81	4
645	GRANDIDIERELLA BONNIEROIDES	0	57	9	0	0	66	3
645	MELITA NITIDA	1	38	4	6	6	55	3
410	GRUBEOSYLLIS CLAVATA	2	5	8	13	18	46	2
645	QUADRIMAERA MIRANDA	8	16	10	4	8	46	2
646	RHITHROPANOPEUS HARRISII	5	4	5	17	15	46	2
510	BOONEA IMPRESSA	14	5	5	20	0	44	2
200	STYLOCHUS ELLIPTICUS	1	2	8	10	6	27	1
645	DULCHIELLA APPENDICULATA	11	3	2	2	8	26	1
410	TYPOSYLLIS CF. PROLIFERA	4	2	0	12	6	24	1
645	PARACAPRELLA TENUIS	5	3	0	9	4	21	1
510	CAECUM PULCHELLUM	15	0	0	5	0	20	1
510	CERITHIOPSIS GREENI	4	1	2	12	1	20	1
646	ALPHEUS ARMAILLATIS	2	4	4	5	4	19	1
300	NEMERTEA SP.	3	0	8	0	7	18	1
410	CIRROPHORUS SP.	4	0	0	12	1	17	1
510	PYRGOCYTHARA PLICOSA	5	8	1	3	0	17	1
646	PETROLISTHES CF. ARMATUS	3	5	3	5	1	17	1
520	CRYPTOSTREA PERMOLLIS	0	3	7	2	3	15	1
510	ANACHIS OBESA	0	2	2	8	2	14	1
410	POLYDORA SOCIALIS	0	1	3	4	3	11	1
645	COROPHIUM SP. A	0	0	8	2	0	10	<1
646	HIPPOLYTE PLEUROCANTHUS	1	0	0	5	4	10	<1
410	GENETYLLIS CASTANEA	1	0	0	7	0	8	<1
520	CRASSOSTREA VIRGINICA	0	1	0	7	0	8	<1
645	CYADUSA COMPTA	0	0	0	0	8	8	<1
410	CAPITELLA CAPITATA	1	2	0	4	0	7	<1
410	MARPHYSA SP.B	2	1	2	2	0	7	<1
410	NEMATONEREIS HEBES	0	0	1	6	0	7	<1
510	SEILA ADAMSI	2	3	0	2	0	7	<1
410	NEANTHES SUCCINEA	0	0	3	3	0	6	<1
410	MEDIOMASTUS CALIFORNIENSIS	0	3	0	0	2	5	<1
510	ISCHADIUM RECURVUM	1	0	1	1	2	5	<1
644	ERICHSONIELLA ATTENUATA	2	0	0	2	1	5	<1
647	BALANUS SP.	0	0	2	0	3	5	<1
410	PIONOSYLLIS SP. D	0	0	4	0	0	4	<1
520	BARBATIA DOMINGENSIS	1	1	1	1	0	4	<1

TABLE 14. STATION 1: RANK ORDER—JUNE 1999								
		REPLICATE						
	TAXA	1	2	3	4	5	TOTAL	%
644	HARRIETA FAXONI	0	0	0	4	0	4	<1
410	EHLERSIA CORNUTA	0	1	0	2	0	3	<1
410	PRIONOSPIO MULTIBRANCHIATA	1	0	0	2	0	3	<1
410	STREBLOSOMA HARTMANAE	2	0	1	0	0	3	<1
510	EPITONIUM SP.	1	0	0	2	0	3	<1
520	BIVALVIA SP.	2	1	0	0	0	3	<1
520	ENTODESMA BEANA	0	0	0	3	0	3	<1
520	OSTREA EQUESTJS	0	0	0	3	0	3	<1
646	PAGURIDAE SP.	1	1	0	0	1	3	<1
410	ARICIDEA PHILBINA	0	0	1	0	1	2	<1
410	LOIMIA MEDUSA	0	0	1	1	0	2	<1
410	MONTICELLINA DORSOBRANCHIALIS	2	0	0	0	0	2	<1
410	PISTA PALMATA	0	0	1	0	1	2	<1
410	PODARKEOPSIS LEVIFUSCINA	0	0	0	2	0	2	<1
410	SPHAEROSYLLIS TAYLORI	0	1	0	1	0	2	<1
510	MARSHALLORA NIGROCINCTA	0	0	0	2	0	2	<1
510	SCHWARTZIELLA BRYEREA	0	0	0	2	0	2	<1
520	LYONSIA FLORIDANA	0	0	0	0	2	2	<1
644	PARACERCEIS CAUDATA	1	0	0	0	1	2	<1
700	AMPHIURIDAE SP.	2	0	0	0	0	2	<1
410	CAPITELLA JONESI	1	0	0	0	0	1	<1
410	FABRICINUDA TRILOBOTA	0	0	1	0	0	1	<1
410	ISOLDA PULCHELLA	0	0	1	0	0	1	<1
410	LYSIDICE SP. A	0	1	0	0	0	1	<1
410	MACROCHAETA CF. CLAVICORNIS	1	0	0	0	0	1	<1
410	MEDIOMASTUS SP.	1	0	0	0	0	1	<1
410	NEREIDAE SP.	1	0	0	0	0	1	<1
410	NEREIS FALSA	0	0	0	0	1	1	<1
410	PARAHESIONE LUTEA	0	1	0	0	0	1	<1
410	PODARKE OBSCURA	0	0	0	1	0	1	<1
410	PRIONOSPIO HETEROBRANCHIA	0	0	0	1	0	1	<1
410	SYLLIDAE SP.	0	1	0	0	0	1	<1
410	TEREBELLIDAE SP.	0	0	0	0	1	1	<1
420	TUBIFICIDAE SP. W/OUT HAIRS	1	0	0	0	0	1	<1
510	BITTIUM VARIUM	0	0	0	0	1	1	<1
510	DIODERA CAYENENSIS/LISTERI	0	0	1	0	0	1	<1
510	NUDIBRANCHIA SP. A	0	0	0	0	1	1	<1
520	CORBULA CONTRACTA	1	0	0	0	0	1	<1
520	MODIOLUS AMERICANUS	0	0	1	0	0	1	<1
644	UROMUNNA HAYESI	1	0	0	0	0	1	<1
645	LYSIANOPSIS ALBA	1	0	0	0	0	1	<1
645	REPOXINIUS EPISTOMUS	1	0	0	0	0	1	<1
646	PAGURIDAE SP. A	0	0	0	1	0	1	<1

TABLE 14. STATION 1: RANK ORDER---JUNE 1999								
				REPLICATE				
	TAXA	1	2	3	4	5	TOTAL	%
	TOTAL ORGANISMS	444	321	201	745	358	2069	
	TOTAL TAXA						86	

TABLE 15 . STATION 2: RANK ORDER----JUNE 1999								
		REPLICATE						
	TAXA	1	2	3	4	5	TOTAL	%
410	ARICIDEA PHILBINA	282	183	281	204	336	1286	58
645	AMPELISCA ABDITA	114	2	4	4	23	147	7
410	CAPITELLA CAPITATA	13	28	11	25	32	109	5
300	CF. TUBULANUS PELLUCIDUS	13	13	19	13	23	81	4
644	XENANTHURA BREVITELSON	22	5	18	3	31	79	4
410	LAONEREIS CULVERI	16	14	9	20	13	72	3
410	LEITOSCOLOPLOS ROBUSTUS	12	8	11	18	16	65	3
645	GRANDIDIERELLA BONNIERIDES	20	1	0	1	17	39	2
410	HETEROMASTUS FILIFORMIS	11	0	10	7	9	37	2
643	HARGERIA REPAX	12	14	8	0	2	36	2
520	TELLINA TAMPAENSIS	6	11	1	0	13	31	1
420	THALASSODRILIDES GURWITSCHI	4	5	1	12	7	29	1
510	ACTEOCINA CANALICULATA	4	7	5	9	4	29	1
644	ERICHSONIELLA ATTENUATA	0	20	1	5	0	26	1
410	CHONE CF. AMERICANA	6	11	0	3	0	20	1
510	VITRINELLA CF. FLORIDANA	0	0	19	0	0	19	1
510	ASTYRIS LUNATUS	2	6	3	2	0	13	1
641	OXYUROSTYLUS CF. SMITHI	4	0	0	1	6	11	<1
645	AMPELISCA VADORUM	0	1	0	1	8	10	<1
510	SAYELLA CROSSEANA	0	2	6	0	1	9	<1
410	ETEONE HETEROPODA	4	1	0	0	2	7	<1
510	ODOSTOMIA NR. GIBBOSA	1	3	0	3	0	7	<1
510	SAYELLA LAEVIGATA	1	3	1	1	1	7	<1
645	CERAPUS SP.A	6	0	0	0	0	6	<1
300	NEMERTEA SP.	0	0	1	2	2	5	<1
520	BIVALVIA SP.	0	3	0	1	1	5	<1
410	HOBSONIA FLORIDA	1	0	2	0	1	4	<1
510	BITTIUM VARIUM	0	2	2	0	0	4	<1
510	NUDIBRANCHIA SP. A	0	1	1	0	2	4	<1
410	MELINNA MACULATA	0	1	2	0	0	3	<1
420	TUBIFICIDAE SP. W/OUT HAIRS	1	0	0	1	1	3	<1
641	CYCLASPIS VARIANS	2	0	1	0	0	3	<1
410	ARICIDEA TAYLORI	0	2	0	0	0	2	<1
410	POLYDORA LIGNI	0	2	0	0	0	2	<1
410	PRIONOSPION HETEROBRANCHIA	0	0	1	0	1	2	<1
520	CORBULA CONTRACTA	0	0	1	1	0	2	<1
520	TAGELUS DIVISUS	0	2	0	0	0	2	<1
200	STYLOCHUS ELLIPTICUS	1	0	0	0	0	1	<1
410	FABRICINUDA TRILOBOTA	0	0	0	0	1	1	<1
410	MARPHYSA SP.B	0	0	1	0	0	1	<1
410	SCOLELEPIS TEXANA	1	0	0	0	0	1	<1
520	AMYGDALUM PAPHYRIUM	0	0	0	0	1	1	<1
520	CF. CHIONE CANCELLATA	0	0	0	1	0	1	<1

	TABLE 15 . STATION 2: RANK ORDER----JUNE 1999							
				REPLICATE				
	TAXA	1	2	3	4	5	TOTAL	%
520	MACOMA TENTA	0	0	0	1	0	1	<1
644	EDOTEA TRILOBA	1	0	0	0	0	1	<1
645	COROPHIUM SP. A	0	0	1	0	0	1	<1
646	RHITHROPANOPEUS HARRISII	0	0	1	0	0	1	<1
	TOTAL ORGANISMS	560	351	422	339	554	2226	
	TOTAL TAXA						47	

TABLE 16 . STATION 3: RANK ORDER----JUNE 1999								
				REPLICATE				
	TAXA	1	2	3	4	5	TOTAL	%
643	HARGERIA REPAX		5	9	131	56	201	25
410	LEITOSCOLOPLOS ROBUSTUS		0	21	13	71	105	13
410	CAPITELLA CAPITATA		0	23	44	20	87	11
410	LAEONEREIS CULVERI		0	26	19	24	69	9
645	COROPHIUM ELLISI		0	36	5	16	57	7
644	SPHAEROMA TEREBRANS		52	0	0	0	52	7
645	GRANDIDIERELLA BONNIEROIDES		2	6	22	4	34	4
420	THALASSODRILIDES GURWITSCHI		0	3	6	17	26	3
300	CF. TUBULANUS PELLUCIDUS		0	7	13	5	25	3
410	HETEROMASTUS FILIFORMIS		0	6	4	13	23	3
410	ARICIDEA PHILBINA		0	0	2	15	17	2
410	ETEONE HETEROPODA		0	5	3	6	14	2
647	BALANUS IMPROVISUS		5	0	4	0	9	1
510	VITRINELLA CF. FLORIDANA		0	0	7	0	7	1
520	TELLINA TAMPAENSIS		0	0	1	6	7	1
644	EDOTEA TRILOBA		0	2	3	1	6	1
510	ASTYRIS LUNATUS		2	0	1	1	4	1
510	BITTIUM VARIUM		3	0	1	0	4	1
510	ODOSTOMIA NR. GIBBOSA		4	0	0	0	4	1
644	ERICHSONIELLA ATTENUATA		1	0	0	3	4	1
644	XENANTHURA BREVITELSON		0	0	1	3	4	1
510	ACTEOCINA CANALICULATA		0	0	0	3	3	<1
520	TAGELUS DIVISUS		0	0	1	2	3	<1
644	CYATHURA POLITA		0	0	3	0	3	<1
300	NEMERTEA SP.		0	0	2	0	2	<1
410	ARENICOLA CRISTATA		1	0	0	1	2	<1
410	HOBSONIA FLORIDANA		0	0	2	0	2	<1
410	POLYDORA LIGNI		0	0	2	0	2	<1
645	HYALE SP. A		2	0	0	0	2	<1
410	MARPHYSA SP. B		0	0	1	0	1	<1
410	NEMATONEREIS HEBES		0	0	1	0	1	<1
410	PODARKE OBSCURA		0	0	0	1	1	<1
510	SAYELLA LAEVIGATA		0	0	1	0	1	<1
520	CRASSOSTREA VIRGINICA		1	0	0	0	1	<1
645	AMPELISCA ABDITA		0	1	0	0	1	<1
645	AMPELISCA VADORUM		0	0	0	1	1	<1
645	CYMA DUSA COMPTA		0	0	0	1	1	<1
645	GAMMARUS MUCRONATUS		1	0	0	0	1	<1
645	MELITA NITIDA		0	0	1	0	1	<1
645	PARACAPRELLA TENUIS		0	0	0	1	1	<1
	TOTAL ORGANISMS		79	145	294	271	789	
	TOTAL TAXA						40	

TABLE 17. STATION 4: RANK ORDER—JUNE 1999								
				REPLICATE				
	TAXA	1	2	3	4	5	TOTAL	%
410	FABRICINUDA TRILOBOTA	50	89	119	31	203	492	26
645	GRANDIDIERELLA BONNIEROIDES	55	80	85	144	59	423	23
410	ARICIDEA PHILBINA	61	42	70	70	68	311	17
645	AMPELISCA ABDITA	22	29	10	17	21	99	5
644	XENANTHURA BREVITELSON	15	9	28	18	8	78	4
644	CYATHURA POLITA	10	16	16	22	5	69	4
410	CAPITELLA CAPITATA	9	8	24	10	12	63	3
410	CHONE CF. AMERICANA	10	8	12	4	12	46	2
300	NEMERTEA SP.	9	5	3	10	6	33	2
410	LEITOSCOLOPLOS ROBUSTUS	6	11	4	1	8	30	2
410	LAONEREIS CULVERI	4	4	9	2	4	23	1
410	PRIONOSPION HETEROBRANCHIA	3	2	6	5	5	21	1
410	MELINNA MACULATA	2	9	1	1	4	17	1
645	AMPELISCA VADORUM	11	4	0	0	0	15	1
410	SPIOCHAETOPTERUS C. OCULATUS	3	0	3	3	3	12	1
520	TELLINA TAMPAENSIS	1	3	6	0	1	11	1
643	HARGERIA REPAX	6	0	2	1	2	11	1
410	GLYCIDINDE SOLITARIA	3	1	1	2	3	10	1
410	HETEROMASTUS FILIFORMIS	1	2	4	1	0	8	<1
410	SCOLELEPIS TEXANA	2	0	2	1	3	8	<1
644	SPHAEROMA QUADRIDENTATA	0	0	0	0	8	8	<1
645	PARACAPRELLA TENUIS	0	1	2	1	3	7	<1
300	CF. TUBULANUS PELLUCIDUS	0	0	3	3	0	6	<1
520	MACOMA TENTA	1	2	2	1	0	6	<1
410	ETEONE HETEROPODA	2	0	1	2	0	5	<1
510	ACTEOCINA CANALICULATA	3	0	1	1	0	5	<1
643	HALMYRAPSEUDES BAHAMENSIS	3	1	1	0	0	5	<1
645	CERAPUS SP.A	0	3	2	0	0	5	<1
410	DIOPATRA CUPREA	1	1	0	0	1	3	<1
410	PHYLLODOCE ARENAE	1	0	1	1	0	3	<1
520	AMYGDALUM PAPHIUM	0	2	1	0	0	3	<1
520	PARASTARTE TRIQUETRA	1	1	0	1	0	3	<1
641	OXYUROSTYLUS CF. SMITHI	3	0	0	0	0	3	<1
410	MEDIOMASTUS SP.	1	0	1	0	0	2	<1
410	PODARKE OBSCURA	0	0	1	1	0	2	<1
410	POLYDORA LIGNI	1	0	0	0	1	2	<1
410	SCOLOPLOS RUBRA	0	1	0	0	1	2	<1
520	LYONSIA FLORIDANA	1	0	0	1	0	2	<1
200	STYLOCHUS ELLIPTICUS	0	1	0	0	0	1	<1
410	MALDANIDAE SP.	0	1	0	0	0	1	<1
410	MONTICELLINA DORSOBRANCHIALIS	0	0	1	0	0	1	<1
410	NEMATONEREIS HEBES	0	0	0	0	1	1	<1
410	PARAPRIONOSPION PINNATA	0	0	1	0	0	1	<1

TABLE 17. STATION 4: RANK ORDER----JUNE 1999									
				REPLICATE					
	TAXA	1	2	3	4	5		TOTAL	%
410	PODARKEOPSIS LEVIFUSCINA	0	1	0	0	0		1	<1
410	PRIONOSPION PERKINSI	0	0	1	0	0		1	<1
510	ASTYRIS LUNATUS	0	1	0	0	0		1	<1
520	TAGELUS DIVISUS	0	1	0	0	0		1	<1
644	EDOTEA TRILOBA	0	1	0	0	0		1	<1
644	SPHAEROMA TEREBRANS	0	0	1	0	0		1	<1
	TOTAL ORGANISMS	301	340	425	355	442		1863	
	TOTAL TAXA							49	

TABLE 18. STATION 5: RANK ORDER----JUNE 1999									
				REPLICATE					
	TAXA	1	2	3	4	5	TOTAL	%	
410	ARICIDEA PHILBINA	106	115	73	76	111	481	45	
410	CAPITELLA CAPITATA	42	20	39	52	24	177	16	
644	XENANTHURA BREVITELSON	19	3	11	7	7	47	4	
300	CF. TUBULANUS PELLUCIDUS	11	5	1	2	19	38	4	
410	LEITOSCOLOPLOS ROBUSTUS	13	2	9	4	10	38	4	
410	LAONEREIS CULVERI	5	5	4	9	10	33	3	
643	HARGERIA REPAX	0	1	17	1	3	22	2	
520	PARASTARTE TRIQUETRA	6	4	2	1	7	20	2	
410	MELINNA MACULATA	2	3	0	5	7	17	2	
410	PRIONOSPION HETEROBRANCHIA	1	4	8	0	2	15	1	
510	ACTEOCINA CANALICULATA	5	1	1	0	8	15	1	
300	NEMERTEA SP.	2	5	1	1	5	14	1	
410	FABRICINUDA TRILOBOTA	2	0	1	1	10	14	1	
410	GLYCINDE SOLITARIA	0	3	1	4	3	11	1	
644	ERICHSONIELLA ATTENUATA	1	0	3	3	4	11	1	
645	CYADUSA COMPTA	3	1	3	2	0	9	1	
510	GASTROPODA SP.	0	0	0	0	8	8	1	
520	TELLINA TAMPAENSIS	3	0	3	1	1	8	1	
645	GRANDIDIERELLA BONNIERIDES	0	0	1	1	6	8	1	
510	CREPIDULA MACULOSA	5	0	2	0	0	7	1	
410	CHONE CF. AMERICANA	1	0	2	1	1	5	<1	
410	ETEONE HETEROPODA	1	0	1	1	2	5	<1	
510	BITTUM VARIUM	2	0	2	0	1	5	<1	
510	CREPIDULA SP.	0	0	3	0	2	5	<1	
645	AMPELISCA ABDITA	0	1	2	0	2	5	<1	
645	CERAPUS SP.A	1	0	0	0	4	5	<1	
410	HETEROMASTUS FILIFORMIS	2	0	1	1	0	4	<1	
410	SPIOCHAETOPTERUS C. OCULATUS	0	2	0	0	2	4	<1	
510	ASTYRIS LUNATUS	1	0	1	0	2	4	<1	
510	SAYELLA CROSSEANA	2	0	1	0	1	4	<1	
520	BIVALVIA SP.	0	0	3	0	1	4	<1	
410	PARAPRIONOSPION PINNATA	1	1	0	0	1	3	<1	
510	EULIMASTOMA CANALICULATA	1	0	1	0	1	3	<1	
520	MYSELLA PLANULATA	1	0	0	0	2	3	<1	
410	ASYCHIS ELONGATA	0	2	0	0	0	2	<1	
410	DIOPATRA CUPREA	1	0	0	0	1	2	<1	
410	MEDIOMASTUS SP.	1	1	0	0	0	2	<1	
410	PODARKE OBSCURA	1	1	0	0	0	2	<1	
420	THALASSODRILIDES GURWITSCHI	0	0	2	0	0	2	<1	
510	ODOSTOMIA NR. GIBBOSA	0	0	0	0	2	2	<1	
645	AMPELISCA HOLMESI	0	1	0	0	1	2	<1	
100	THENARIA SP.	0	1	0	0	0	1	<1	
410	HOBSONIA FLORIDA	0	0	1	0	0	1	<1	

TABLE 18. STATION 5: RANK ORDER----JUNE 1999									
				REPLICATE					
	TAXA	1	2	3	4	5		TOTAL	%
410	MARPHYSA CF. SANGUINEA	0	1	0	0	0		1	<1
510	CREPIDULA PLANA	0	0	1	0	0		1	<1
510	NASSARIUS VIBEX	1	0	0	0	0		1	<1
520	AMYGDALUM PAPHYRIUM	0	0	0	0	1		1	<1
520	GUEKENSIA GRANOSISSIMA	0	0	1	0	0		1	<1
520	MACOMA TENTA	0	0	0	0	1		1	<1
520	TAGELUS DIVISUS	1	0	0	0	0		1	<1
630	PYCNOGONIDA SP.	1	0	0	0	0		1	<1
641	OXYUROSTYLUS CF. SMITHI	0	0	1	0	0		1	<1
644	EDOTEA TRILOBA	0	0	0	0	1		1	<1
645	PARACAPRELLA TENUIS	0	0	0	0	1		1	<1
646	HIPPOLYTE PLEUROCANTHUS	0	1	0	0	0		1	<1
	TOTAL ORGANISMS	245	184	203	173	275		1080	
	TOTAL TAXA							55	

TABLE. 10	COMPREHENSIVE TAXONOMIC LIST FROM STATION 7.		
	646	HIPPOLYTE PLEUROCANTHUS	
	646	PAGURIDAE SP.	
	646	PALAEMONETES PUGIO	
	646	PANOPEUS HERBSTII	
	646	PETROLISTHES CF. ARMATUS	
	646	XANTHIDAE SP.	
CIRRIPEDIA	647	BALANUS IMPROVISUS	
		TOTAL TAXA	64

TABLE 15 . STATION 2: RANK ORDER----JUNE 1999								
	TAXA	REPLICATE					TOTAL	%
		1	2	3	4	5		
410	ARICIDEA PHILBINA	282	183	281	204	336	1286	58
645	AMPELISCA ABDITA	114	2	4	4	23	147	7
410	CAPITELLA CAPITATA	13	28	11	25	32	109	5
300	CF. TUBULANUS PELLUCIDUS	13	13	19	13	23	81	4
644	XENANTHURA BREVITELSON	22	5	18	3	31	79	4
410	LAEONEREIS CULVERI	16	14	9	20	13	72	3
410	LEITOSCOLOPLOS ROBUSTUS	12	8	11	18	16	65	3
645	GRANDIDIERELLA BONNIERIDES	20	1	0	1	17	39	2
410	HETEROMASTUS FILIFORMIS	11	0	10	7	9	37	2
643	HARGERIA REPAX	12	14	8	0	2	36	2
520	TELLINA TAMPAENSIS	6	11	1	0	13	31	1
420	THALASSODRILIDES GURWITSCHI	4	5	1	12	7	29	1
510	ACTEOCINA CANALICULATA	4	7	5	9	4	29	1
644	ERICHSONIELLA ATTENUATA	0	20	1	5	0	26	1
410	CHONE CF. AMERICANA	6	11	0	3	0	20	1
510	VITRINELLA CF. FLORIDANA	0	0	19	0	0	19	1
510	ASTYRIS LUNATUS	2	6	3	2	0	13	1
641	OXYUROSTYLUS CF. SMITHI	4	0	0	1	6	11	<1
645	AMPELISCA VADORUM	0	1	0	1	8	10	<1
510	SAYELLA CROSSEANA	0	2	6	0	1	9	<1
410	ETEONE HETEROPODA	4	1	0	0	2	7	<1
510	ODOSTOMIA NR. GIBBOSA	1	3	0	3	0	7	<1
510	SAYELLA LAEVIGATA	1	3	1	1	1	7	<1
645	CERAPUS SP.A	6	0	0	0	0	6	<1
300	NEMERTEA SP.	0	0	1	2	2	5	<1
520	BIVALVIA SP.	0	3	0	1	1	5	<1
410	HOBSONIA FLORIDA	1	0	2	0	1	4	<1
510	BITTIUM VARIUM	0	2	2	0	0	4	<1
510	NUDIBRANCHIA SP. A	0	1	1	0	2	4	<1
410	MELINNA MACULATA	0	1	2	0	0	3	<1
420	TUBIFICIDAE SP. W/OUT HAIRS	1	0	0	1	1	3	<1
641	CYCLASPIS VARIANS	2	0	1	0	0	3	<1
410	ARICIDEA TAYLORI	0	2	0	0	0	2	<1
410	POLYDORA LIGNI	0	2	0	0	0	2	<1
410	PRIONOSPION HETEROBRANCHIA	0	0	1	0	1	2	<1
520	CORBULA CONTRACTA	0	0	1	1	0	2	<1
520	TAGELUS DIVISUS	0	2	0	0	0	2	<1
200	STYLOCHUS ELLIPTICUS	1	0	0	0	0	1	<1
410	FABRICINUDA TRILOBOTA	0	0	0	0	1	1	<1
410	MARPHYSA SP.B	0	0	1	0	0	1	<1
410	SCOLELEPIS TEXANA	1	0	0	0	0	1	<1
520	AMYGDALUM PAPYRIUM	0	0	0	0	1	1	<1
520	CF. CHIONE CANCELLATA	0	0	0	1	0	1	<1

TABLE 19. STATION 6: RANK ORDER—JUNE 1999

	TAXA	REPLICATE					TOTAL	%
		1	2	3	4	5		
645	AMPELISCA ABDITA	137	138	144	274	70	763	39
645	GRANDIDIERELLA BONNIEROIDES	86	33	63	135	43	360	18
645	COROPHIUM ELLISI	10	25	39	5	13	92	5
410	LAONEREIS CULVERI	20	14	19	19	16	88	4
643	HARGERIA REPAX	13	7	29	18	15	82	4
300	CF. TUBULANUS PELLUCIDUS	20	16	25	18	2	81	4
410	LEITOSCOLOPLOS ROBUSTUS	16	20	18	12	11	77	4
420	THALASSODRILIDES GURWITSCHI	16	18	18	7	14	73	4
410	CAPITELLA CAPITATA	9	25	9	7	4	54	3
645	CERAPUS TUBULARIS	9	4	4	16	6	39	2
644	ERICHSONIELLA ATTENUATA	5	2	9	11	6	33	2
520	MYSELLA PLANULATA	8	9	7	0	5	29	1
510	SAYELLA LAEVIGATA	9	3	4	1	0	17	1
510	GASTROPODA SP.	0	0	0	0	16	16	1
510	ODOSTOMIA NR. GIBBOSA	5	7	3	1	0	16	1
410	ARICIDEA PHILBINA	3	0	7	1	4	15	1
420	TUBIFICIDAE W/OUT HAIRS	0	0	11	3	0	14	1
510	ACTEOCINA CANALICULATA	8	3	0	0	1	12	1
410	ETEONE HETEROPODA	0	2	2	6	1	11	1
410	HOBSONIA FLORIDA	1	1	1	6	1	10	1
644	HARRIETA FAXONI	1	1	5	3	0	10	1
520	PARASTARTE TRIQUETRA	5	0	2	0	2	9	<1
644	CYATHURA POLITA	1	1	0	4	3	9	<1
410	CHONE CF. AMERICANA	1	1	2	3	1	8	<1
410	POLYDORA LIGNI	1	0	5	0	0	6	<1
410	STENONINEREIS MARTINI	0	1	5	0	0	6	<1
100	THENARIA SP.	0	0	3	2	0	5	<1
300	NEMERTEA SP.	0	1	1	2	1	5	<1
410	ARICIDEA SUECICA	3	0	0	0	0	3	<1
510	NUDIBRANCHIA SP. A	0	0	3	0	0	3	<1
644	EDOTEA TRILOBA	0	1	1	1	0	3	<1
644	XENANTHURA BREVITELSON	0	0	1	0	2	3	<1
200	STYLOCHUS ELLIPTICUS	0	0	0	1	1	2	<1
410	HETEROMASTUS FILIFORMIS	0	0	0	0	2	2	<1
645	ELASMOPUS LEVIS	0	0	0	2	0	2	<1
410	FABRICINUDA TRILOBOTA	0	0	0	1	0	1	<1
410	PODARKE OBSCURA	0	0	1	0	0	1	<1
645	GAMMARUS MUCRONATUS	0	0	0	0	1	1	<1
	TOTAL ORGANISMS	387	333	441	559	241	1961	
	TOTAL TAXA						38	

TABLE 20. STATION 7: RANK ORDER—JUNE 1999								
		REPLICATE						
	TAXA	1	2	3	4	5	TOTAL	%
644	SPHAEROMA QUADRIDENTATUM	0	0	0	540	360	900	40
645	PARAHYALE SP. A	0	0	0	420	180	600	27
420	THALASSODRILIDES GURWITSCHI	14	15	203	0	0	232	10
410	CAPITELLA CAPITATA	16	59	52	7	4	138	6
100	THENARIA SP.	0	0	0	49	0	49	2
510	CREPIDULA PLANA	32	0	5	4	0	41	2
410	POLYDORA LIGNI	2	0	13	10	11	36	2
410	HETEROMASTUS FILIFORMIS	1	18	10	0	0	29	1
520	CRASSOSTREA VIRGINICA	0	0	0	11	9	20	1
520	GEUKENSIA GRANOSISSIMA	0	0	0	15	1	16	1
410	SCOLELEPIS TEXANA	3	7	3	0	0	13	1
645	MELITA NITIDA	10	2	1	0	0	13	1
646	PANOPEUS HERBSTII	7	0	1	5	0	13	1
300	CF. TUBULANUS PELLUCIDUS	2	3	7	0	0	12	1
645	GRANDIDIERELLA BONNIEROIDES	5	3	4	0	0	12	1
410	NEANTHES SUCCINEA	1	6	4	0	0	11	<1
645	COROPHIUM SP. A	1	0	0	10	0	11	<1
410	GENETYLLIS CASTANEA	0	0	1	6	3	10	<1
645	AMPELISCA HOLMESI	0	10	0	0	0	10	<1
647	BALANUS IMPROVISUS	1	0	1	0	6	8	<1
200	STYLOCHUS ELLIPTICUS	0	0	0	6	1	7	<1
300	NEMERTEA SP.	0	1	1	2	3	7	<1
410	ETEONE HETEROPODA	1	5	1	0	0	7	<1
520	MYSELLA PLANULATA	0	2	5	0	0	7	<1
410	MELINNA MACULATA	0	3	1	0	0	4	<1
643	HARGERIA REPAX	1	0	0	3	0	4	<1
410	LAEONEREIS CULVERI	1	2	0	0	0	3	<1
645	AMPELISCA ABDITA	0	0	3	0	0	3	<1
646	XANTHIDAE SP.	3	0	0	0	0	3	<1
410	LEITOSCOLOPLOS ROBUSTUS	1	1	0	0	0	2	<1
410	NEREIDAE SP.	0	0	1	0	1	2	<1
410	EUNICIDAE SP.	0	0	1	0	0	1	<1
410	FABRICINUDA TRILOBOTA	0	0	0	1	0	1	<1
410	GRUBEOSYLLIS CLAVATA	0	0	0	0	1	1	<1
410	MARPHYSA CF. SANGUINEA	0	0	1	0	0	1	<1
410	PRIONOSPIO HETEROBRANCHIA	0	1	0	0	0	1	<1
645	GITANOPSIS SP.	1	0	0	0	0	1	<1
646	ALPHEUS ARMAILLATIS	1	0	0	0	0	1	<1
646	HIPPOLYTE PLEUROCANTHUS	0	1	0	0	0	1	<1
646	PETROLISTHES CF. ARMATUS	0	0	0	1		1	<1
	TOTAL ORGANISMS	104	139	319	1090	580	2232	
	TOTAL TAXA						40	

TABLE 21. STATION 8: RANK ORDER----JUNE 1999									
				REPLICATE					
	TAXA	1	2	3	4	5		TOTAL	%
100	THENARIA SP.	20	15	17	4	6		62	15
300	NEMERTEA SP.	7	12	11	5	13		48	12
410	ARICIDEA PHILBINA	7	11	4	2	8		32	8
645	GRANDIDIERELLA BONNIEROIDES	5	7	11	4	5		32	8
645	AMPELISCA HOLMESI	9	4	6	4	7		30	7
520	MYSELLA PLANULATA	1	9	0	0	17		27	7
410	GLYCINDE SOLITARIA	2	4	3	6	6		21	5
410	CAPITELLA CAPITATA	8	6	0	2	4		20	5
200	STYLOCHUS ELIPTICUS	3	5	7	0	2		17	4
520	BIVALVIA SP.	0	0	5	8	1		14	3
645	LISTRIELLA BARNARDI	0	3	2	2	2		9	2
520	TELLINA VERSICOLOR	2	3	0	1	1		7	2
410	ARMANDIA MACULATA	2	0	1	0	3		6	1
641	OXYUROSTYLUS CF. SMITHI	1	0	0	3	2		6	1
644	SPHAEROMA QUADRIDENTATA	6	0	0	0	0		6	1
410	PODARKEOPSIS LEVIFUSCINA	0	0	2	1	2		5	1
410	SPIOCHAETOPTERUS C. OCULATUS	2	1	0	1	1		5	1
510	ACTEOCINA CANALICULATA	0	5	0	0	0		5	1
510	PISANIA TINCTA	3	2	0	0	0		5	1
644	EDOTEA TRILOBA	0	0	0	4	0		4	1
520	TAGELUS DIVISUS	1	0	2	0	0		3	1
643	HALMYRAPSEUDES BAHAMENSIS	0	2	1	0	0		3	1
410	CIRRATULUS SP.	0	0	2	0	0		2	<1
410	MEDIOMASTUS SP.	2	0	0	0	0		2	<1
410	SCYPHOPROCTUS SP.	0	0	2	0	0		2	<1
410	STHENELAIS SP. A	1	0	1	0	0		2	<1
643	KALLIOPSEUDES SP.	2	0	0	0	0		2	<1
645	CERAPUS TUBULARIS	0	2	0	0	0		2	<1
645	PARACAPRELLA TENUIS	0	2	0	0	0		2	<1
645	PARAHYALE SP. A	2	0	0	0	0		2	<1
646	XANTHIDAE SP.	1	1	0	0	0		2	<1
300	CF. TUBULANUS PELLUCIDUS	0	0	0	1	0		1	<1
410	ARENICOLA CRISTATA	0	1	0	0	0		1	<1
410	ASYCHIS ELONGATA	1	0	0	0	0		1	<1
410	ETEONE HETEROPODA	0	0	1	0	0		1	<1
410	EUMIDA SANGUINEA	0	1	0	0	0		1	<1
410	GENETYLLIS CASTANEA	0	0	0	1	0		1	<1
410	LEITOSCOLOPLOS ROBUSTUS	0	1	0	0	0		1	<1
410	LUMBRINERIS TESTUDINUM	0	0	0	1	0		1	<1
410	MEDIOMASTUS AMBISETA	0	0	1	0	0		1	<1
410	PHYLLODOCE ARENAE	0	0	1	0	0		1	<1
410	PRIONOSPIO HETEROBRANCHIA	0	0	0	1	0		1	<1
410	SCOLELEPIS TEXANA	1	0	0	0	0		1	<1

TABLE 21. STATION 8: RANK ORDER—JUNE 1999								
				REPLICATE				
	TAXA	1	2	3	4	5	TOTAL	%
420	THALASSODRILIDES GURWITSCHI	0	0	0	1	0	1	<1
510	BITTIUM VARIUM	0	1	0	0	0	1	<1
520	TELLINA TAMPAENSIS	1	0	0	0	0	1	<1
645	AMPELISCA ABDITA	0	1	0	0	0	1	<1
645	COROPHIUM SP. A	0	0	0	0	1	1	<1
646	PAGURIDAE SP.	0	1	0	0	0	1	<1
646	PETROLISTHES CF. ARMATUS	1	0	0	0	0	1	<1
	TOTAL ORGANISMS	91	100	80	52	81	404	
	TOTAL TAXA						50	

TABLE 22. STATION 9: RANK ORDER----JUNE 1999									
				REPLICATE					
	TAXA	1	2	3	4	5	TOTAL	%	
645	GRANDIDIERELLA BONNIEROIDES	197	114	153	184	180	828	57	
410	ARICIDEA PHILBINA	44	35	37	22	13	151	10	
520	MYSELLA PLANULATA	11	8	12	6	27	64	4	
510	ACTEOCINA CANALICULATA	16	17	16	4	2	55	4	
410	CAPITELLA CAPITATA	7	16	11	10	7	51	4	
300	NEMERTEA SP.	13	10	15	6	4	48	3	
520	PARASTARTE TRIQUETRA	9	6	11	6	5	37	3	
410	SCOLELEPIS TEXANA	9	1	6	2	1	19	1	
520	TELLINA TAMPAENSIS	5	5	2	3	2	17	1	
300	CF. TUBULANUS PELLUCIDUS	4	1	5	3	3	16	1	
410	CHONE CF. AMERICANA	3	1	4	2	3	13	1	
410	MEDIOMASTUS AMBISETA	0	1	5	5	0	11	1	
410	GLYCINDE SOLITARIA	2	1	3	2	2	10	1	
645	AMPELISCA HOLMESI	2	2	3	2	1	10	1	
645	CERAPUS TUBULARIS	1	4	4	0	1	10	1	
420	TUBIFICIDAE SP. W/OUT HAIRS	3	1	3	2	0	9	1	
410	LEITOSCOLOPLOS ROBUSTUS	2	0	1	2	3	8	1	
410	PRIONOSPIO HETEROBRANCHIA	3	0	1	1	2	7	<1	
710	DENDROCHIROTIDA SP.	3	1	3	0	0	7	<1	
410	SPIOCHAETOPTERUS C. OCULATUS	4	1	1	0	0	6	<1	
510	ASTYRIS LUNATUS	0	0	1	0	5	6	<1	
510	ODOSTOMIA NR. GIBBOSA	1	0	3	1	0	5	<1	
420	LIMNODRILOIDES RUBICUNDUS	4	0	0	0	0	4	<1	
420	TUBIFICOIDES BROWNAE	2	2	0	0	0	4	<1	
200	STYLOCHUS ELLIPTICUS	0	1	1	0	1	3	<1	
410	PODARKE OBSCURA	0	1	0	0	2	3	<1	
510	BULLA STRIATA	1	1	0	0	1	3	<1	
630	CALLIPALLENE BREVIROSTRIS	0	0	0	0	3	3	<1	
644	EDOTEA TRILOBA	0	1	1	0	1	3	<1	
410	HOBSONIA FLORIDA	1	0	1	0	0	2	<1	
410	MEDIOMASTUS SP.	2	0	0	0	0	2	<1	
410	NOTOMASTUS HEMIPODUS	0	2	0	0	0	2	<1	
410	POLYDORA SOCIALIS	0	0	1	1	0	2	<1	
420	THALASSODRILIDES GURWITSCHI	1	0	0	0	1	2	<1	
520	AMYGDALUM PAPHIUM	0	0	0	1	1	2	<1	
520	TELLINA VERSICOLOR	0	0	0	0	2	2	<1	
1300	MOGULA ARENATA	0	2	0	0	0	2	<1	
410	ARMANDIA MACULATA	0	0	1	0	0	1	<1	
410	ETEONE HETEROPODA	0	1	0	0	0	1	<1	
410	GLYCERA SP. C	1	0	0	0	0	1	<1	
510	ANACHIS OBESA	0	0	0	1	0	1	<1	
510	BITTIUM VARIUM	0	0	0	0	1	1	<1	
510	NASSARIUS VIBEX	0	1	0	0	0	1	<1	

TABLE 22. STATION 9: RANK ORDER---JUNE 1999									
				REPLICATE					
	TAXA	1	2	3	4	5		TOTAL	%
520	TAGELUS DIVISUS	0	1	0	0	0		1	<1
641	OXYUROSTYLUS CF. SMITHI	0	0	1	0	0		1	<1
644	HARRIETA FAXONI	0	0	0	0	1		1	<1
644	SPHAEROMA QUADRIDENTATUM	0	0	0	0	1		1	<1
645	PARACAPRELLA TENUIS	0	0	1	0	0		1	<1
646	DIOGENIDAE SP.	0	1	0	0	0		1	<1
646	PANOPEUS HERBSTII	0	0	0	0	1		1	<1
646	XANTHIDAE SP.	0	0	0	0	1		1	<1
710	PARACAUDINA CHILENSIS	0	1	0	0	0		1	<1
	TOTAL ORGANISMS	351	240	307	266	278		1442	
	TOTAL TAXA							52	

TABLE 23. STATION 10: RANK ORDER----JUNE 1999								
				REPLICATE				
	TAXA	1	2	3	4	5	TOTAL	%
645	ACANTHOHAUSTORIUS MILLERSI	185	18	19	0		222	33
520	MYSELLA PLANULATA	94	4	28	4		130	19
510	ASTYRIS LUNATUS	8	0	5	18		31	5
420	TUBIFICIDAE SP. W/OUT HAIRS	9	1	1	18		29	4
410	POLYDORA SOCIALIS	0	0	19	1		20	3
641	OXYUROSTYLUS CF. SMITHI	3	9	0	1		13	2
410	AXIOTHELLA MUCOSA	0	0	0	12		12	2
410	GLYCINDE SOLITARIA	4	3	3	1		11	2
645	SYNCHELIDIUM AMERICANUM	3	0	7	1		11	2
646	PAGURUS CF. STIMPSONI	4	1	0	6		11	2
300	NEMERTEA SP.	5	0	3	2		10	1
645	CYMA DUSA COMPTA	0	0	0	10		10	1
645	AMPELISCA ABDITA	0	0	7	2		9	1
645	ELASMOPUS LEVIS	0	0	0	9		9	1
410	MAGELONA PETTIBONEAE	1	3	0	4		8	1
644	CYATHURA POLITA	0	2	6	0		8	1
645	GITANOPSIS SP.	4	0	2	2		8	1
1300	MOGULA ARENATA	1	3	0	4		8	1
410	NEREIDAE SP.	1	0	6	0		7	1
420	LIMNODRILOIDES RUBICUNDUS	0	1	6	0		7	1
645	CERAPUS TUBULARIS	1	0	1	5		7	1
645	LEMBOS WEBSTERI	0	0	0	7		7	1
410	ARICIDEA PHILBINA	2	3	0	1		6	1
410	NEREIS FALSA	0	0	6	0		6	1
645	ACUMINODEUTOPUS NAGLEI	4	2	0	0		6	1
520	TELLINA TAMPAENSIS	0	1	1	3		5	1
200	EUPLANA GRACILIS	3	1	0	0		4	1
410	ARMANDIA MACULATA	2	1	0	0		3	<1
410	CAPITELLA CAPITATA	3	0	0	0		3	<1
410	CAPITELLA JONESI	0	0	2	1		3	<1
410	DIOPATRA CUPREA	0	1	0	2		3	<1
410	GLYCERA SP. C	0	0	2	1		3	<1
410	GRUBEOSYLLIS CLAVATA	0	0	0	3		3	<1
510	CREPIDULA MACULOSA	0	0	2	1		3	<1
510	LUCINIDAE SP.	0	2	0	1		3	<1
644	ERICHSONIELLA ATTENUATA	1	0	0	2		3	<1
645	AMPELISCA HOLMESI	3	0	0	0		3	<1
410	PARAPRIONOSPION PINNATA	1	0	1	0		2	<1
410	SCOLELEPIS TEXANA	0	2	0	0		2	<1
510	NASSARIUS VIBEX	2	0	0	0		2	<1
510	PISANIA TINCTA	1	1	0	0		2	<1
642	AMERICAMYSIS BAHIA	2	0	0	0		2	<1
643	HARGERIA REPAX	0	0	0	2		2	<1

TABLE 23. STATION 10: RANK ORDER----JUNE 1999								
				REPLICATE				
	TAXA	1	2	3	4	5	TOTAL	%
645	ERICHTHONIUS RUBICORNIS	0	0	2	0		2	<1
645	LISTRIELLA BARNARDI	2	0	0	0		2	<1
200	STYLOCHUS ELIPTICUS	0	1	0	0		1	<1
410	PODARKEOPSIS LEVIFUSCINA	0	1	0	0		1	<1
410	PRIONOSPIO HETEROBRANCHIA	0	0	1	0		1	<1
410	SPIONIDAE SP.	0	0	1	0		1	<1
410	SYLLIDAE SP.	1	0	0	0		1	<1
420	LIMNODRILOIDES*BARNARDI	0	0	0	1		1	<1
510	ANACHIS OBESA	0	0	0	1		1	<1
510	ANADARA TRANSVERSA	0	0	0	1		1	<1
510	BITTIUM VARIUM	0	0	0	1		1	<1
510	BOONEA IMPRESSA	1	0	0	0		1	<1
520	ANOMALOCARDIA AUBERIANA	0	1	0	0		1	<1
520	LAEVICARDIUM MORTONI	1	0	0	0		1	<1
641	CYCLASPIS VARIANS	0	1	0	0		1	<1
643	HALMYRAPSEUDES BAHAMENSIS	1	0	0	0		1	<1
644	AMAKUSANTHURA MAGNIFICA	1	0	0	0		1	<1
645	COROPHIUM SP. A	0	0	0	1		1	<1
646	AMBIDEXTER SYMMETRICUS	0	0	1	0		1	<1
646	HIPPOLYTE PLEUROCANTHUS	1	0	0	0		1	<1
646	TOZEUMA CAROLINENSE	1	0	0	0		1	<1
700	MELLITA QUINQUEISPERFORATA	0	1	0	0		1	<1
	TOTAL ORGANISMS	356	64	132	129		681	
	TOTAL TAXA						65	

TABLE 24 . STATION 1: RANK ORDER---SEPTEMBER 1999									
				REPLICATE					
	TAXA	1	2	3	4	5	TOTAL	%	
645	MELITA NITIDA	49	241	46	369	269	974	59	
420	THALASSODRILIDES GURWITSCHI	0	146	1	2	4	153	9	
410	POLYDORA SOCIALIS	55	5	5	15	14	94	6	
643	HARGERIA REPAX	13	32	4	24	3	76	5	
645	GITANOPSIS SP.	9	23	0	14	5	51	3	
645	CYMA DUSA COMPTA	0	41	0	2	2	45	3	
646	PETROLISTHES CF. ARMATUS	2	10	5	7	18	42	3	
646	PANOPEUS HERBSTII	1	15	3	5	8	32	2	
645	GRANDIDIERELLA BONNIEROIDES	5	4	1	16	1	27	2	
645	COROPHIUM SP. A	21	1	1	0	3	26	2	
510	PYRGOCYTHARA PLICOSA	6	1	2	0	3	12	1	
645	PARACAPRELLA TENUIS	0	11	0	0	0	11	1	
510	BOONEA IMPRESSA	0	8	0	0	1	9	1	
510	ASTYRIS LUNATUS	0	8	0	0	0	8	<1	
646	ALPHEUS ARMAILLATIS	0	2	0	4	2	8	<1	
520	CRASSOSTREA VIRGINICA	4	0	0	2	1	7	<1	
645	QUADRIMAERA MIRANDA	0	0	2	2	3	7	<1	
410	CAPITELLA CAPITATA	0	2	1	0	2	5	<1	
647	BALANUS IMPROVISUS	4	0	0	1	0	5	<1	
410	GENETYLLIS CASTANEA	1	2	0	1	0	4	<1	
410	MARPHYSA CF. SANGUINEA	0	2	0	1	1	4	<1	
410	NEREIDAE SP.	1	0	0	1	2	4	<1	
100	THENARIA SP.	0	0	0	0	3	3	<1	
410	ARICIDEA PHILBINA	3	0	0	0	0	3	<1	
410	EHLERSIA CORNUTA	2	0	1	0	0	3	<1	
410	FABRICINUDA TRILOBOTA	3	0	0	0	0	3	<1	
510	ANACHIS OBESA	1	0	0	0	2	3	<1	
520	GEUKENSIA GRANOSISSIMA	0	2	0	1	0	3	<1	
645	ERICHTHONIUS RUBICORNIS	0	3	0	0	0	3	<1	
300	NEMERTEA SP.	1	1	0	0	0	2	<1	
410	NEMATONEREIS HEBES	1	1	0	0	0	2	<1	
410	NEREIS GRAYI	0	0	0	1	1	2	<1	
510	CERITHIOPSIS GREENI	1	1	0	0	0	2	<1	
520	ANOMIA SIMPLEX	0	0	0	2	0	2	<1	
520	ISCHADIUM RECURVUM	0	0	0	2	0	2	<1	
520	LYONSIA FLORIDANA	0	0	0	1	1	2	<1	
410	NEREIS FALSA	0	0	0	1	0	1	<1	
410	NEREIS LAMELLOSA	0	0	1	0	0	1	<1	
410	ONUPHIDAE SP.	0	0	0	0	1	1	<1	
410	PHYLLODOCIDAE SP.	0	0	1	0	0	1	<1	
410	STREBLOSPIO BENEDICTI	0	0	0	1	0	1	<1	
510	CREPIDULA PLANA	0	0	0	1	0	1	<1	
510	NASSARIUS VIBEX	0	1	0	0	0	1	<1	

TABLE 24 . STATION 1: RANK ORDER---SEPTEMBER 1999									
				REPLICATE					
	TAXA	1	2	3	4	5		TOTAL	%
510	VITRINELLA CF. FLORIDANA	0	1	0	0	0		1	<1
520	ANADARA NOTABALIS	0	0	0	0	1		1	<1
520	LUCINA NASSULA	0	1	0	0	0		1	<1
520	OSTREA EQUESTIS	0	0	0	1	0		1	<1
644	HARRIETA FAXONI	0	1	0	0	0		1	<1
644	UROMUNNA HAYESI	1	0	0	0	0		1	<1
644	XENANTHURA BREVITELSON	1	0	0	0	0		1	<1
	TOTAL ORGANISMS	185	566	74	477	351		1653	
	TOTAL TAXA							50	

TABLE 25. STATION 2: RANK ORDER---SEPTEMBER 1999								
				REPLICATE				
	TAXA	1	2	3	4	5	TOTAL	%
410	LAONEREIS CULVERI	36	30	59	48	29	202	30
410	ARICIDEA PHILBINA	27	23	27	46	10	133	20
643	HARGERIA REPAX	3	3	21	12	85	124	19
410	CAPITELLA CAPITATA	4	4	7	22	0	37	6
410	LEITOSCOLOPLOS ROBUSTUS	7	6	9	11	2	35	5
644	XENANTHURA BREVITELSON	10	1	3	3	6	23	3
410	HETEROMASTUS FILIFORMIS	0	4	7	3	2	16	2
410	STREBLOSPIO BENEDICTI	4	1	1	3	6	15	2
420	TUBIFICIDAE SP. W/OUT HAIRS	0	0	1	5	5	11	2
410	ETEONE HETEROPODA	0	0	2	7	1	10	1
645	CYMADEA COMPTA	0	1	1	0	6	8	1
300	CF. TUBULANUS PELLUCIDUS	2	4	0	1	0	7	1
510	ACTEOCINA CANALICULATA	1	1	4	1	0	7	1
410	HOBSONIA FLORIDA	4	1	1	0	0	6	<1
420	THALASSODRILIDES GURWITSCHI	0	0	0	3	3	6	<1
510	SAYELLA LAEVIGATA	3	1	0	0	1	5	<1
647	BALANUS IMPROVISUS	0	0	0	1	4	5	<1
520	TELLINA TAMPAENSIS	2	0	0	1	1	4	<1
300	NEMERTEA SP.	2	0	1	0	0	3	<1
410	MELINNA MACULATA	1	2	0	0	0	3	<1
410	MARPHYSA CF. SANGUINEA	0	0	0	1	0	1	<1
510	ASSIMINEA SUCCINEA	0	0	1	0	0	1	<1
520	BIVALVIA SP.	0	0	0	1	0	1	<1
520	MACOMA CONSTRICTA	1	0	0	0	0	1	<1
520	MYSELLA PLANULATA	0	0	1	0	0	1	<1
644	ERICHSONIELLA ATTENUATA	0	0	0	0	1	1	<1
645	AMPELISCA ABDITA	0	0	1	0	0	1	<1
645	COROPHIUM SP. A	0	0	0	0	1	1	<1
645	GRANDIDIERELLA BONNIEROIDES	0	0	0	0	1	1	<1
	TOTAL ORGANISMS	107	82	147	169	164	669	
	TOTAL TAXA						29	

TABLE 26. STATION 3: RANK ORDER---SEPTEMBER 1999								
CODE	TAXA	REPLICATE					TOTAL	%
		1	2	3	4	5		
420	TUBFICIDAE SP. W/OUT HAIRS	19	0	19	0	0	38	12
646	PALAEONETES PUGIO	0	37	0	0	1	38	12
647	BALANUS IMPROVISUS	0	33	0	0	0	33	11
510	HYDROBIIDAE SP.	5	15	1	4	3	28	9
643	HARGERIA REPAX	0	20	1	1	0	22	7
300	CF. TUBULANUS PELLUCIDUS	1	0	3	11	1	16	5
520	MYTILOPSIS LEUKOPHAETA	0	11	0	4	0	15	5
520	GEUKENSIA GRANOSISSIMA	0	13	0	0	1	14	5
420	THALASSODRILIDES GURWITSCHI	6	0	7	0	0	13	4
645	CYMAUSA COMPTA	0	10	2	0	1	13	4
645	MELITA NITIDA	0	8	0	0	1	9	3
645	COROPHIUM SP. A	0	8	0	0	0	8	3
410	CAPITELLA CAPITATA	0	0	0	6	1	7	2
520	ISCHADIUM RECURVUM	0	6	0	0	0	6	2
645	GITANOPSIS SP.	0	6	0	0	0	6	2
644	ERICHSONIELLA ATTENUATA	0	4	0	0	1	5	2
410	HETEROMASTUS FILIFORMIS	3	0	0	1	0	4	1
410	LAONEREIS CULVERI	1	0	0	3	0	4	1
646	EURYPANOPEUS DEPRESSUS	0	4	0	0	0	4	1
510	ACTEOCINA CANALICULATA	0	3	0	0	0	3	<1
520	AMYGDALUM PAPYRIUM	0	3	0	0	0	3	<1
520	CRASSOSTREA VIRGINICA	0	3	0	0	0	3	<1
410	POLYDORA LIGNI	0	2	0	0	0	2	<1
410	SERPULIDAE SP. A	0	2	0	0	0	2	<1
644	SPHAEROMA QUADRIDENTATUM	0	1	0	0	1	2	<1
645	CERAPUS SP.A	0	2	0	0	0	2	<1
646	PANOPEUS HERBSTII	0	1	0	0	1	2	<1
410	LEITOSCOLOPLOS ROBUSTUS	0	0	0	1	0	1	<1
510	MELONGENA CORONA	0	0	0	0	1	1	<1
520	TAGELUS DIVISUS	1	0	0	0	0	1	<1
644	CYATHURA POLITA	0	0	0	1	0	1	<1
644	HARRIETA FAXONI	0	1	0	0	0	1	<1
646	PENAEUS DUORARUM	0	1	0	0	0	1	<1
	TOTAL ORGANISMS	36	194	33	32	13	308	
	TOTAL TAXA						33	

TABLE 27. STATION 4: RANK ORDER---SEPTEMBER 1999

CODE	TAXA	REPLICATE					TOTAL	%
		1	2	3	4	5		
410	CAPITELLA CAPITATA	9	12	31	21	10	83	17
410	ARICIDEA PHILBINA	21	3	20	17	17	78	16
644	XENANTHURA BREVITELSON	11	14	26	5	15	71	15
410	LAONEREIS CULVERI	8	12	24	11	7	62	13
510	ACTEOCINA CANALICULATA	8	4	15	17	2	46	9
410	LEITOSCOLOPLOS ROBUSTUS	5	0	8	8	2	23	5
300	CF. TUBULANUS PELLUCIDUS	3	3	2	7	4	19	4
410	STREBLOSPIO BENEDICTI	3	6	4	2	1	16	3
645	CYADUSA COMPTA	1	7	4	0	0	12	2
520	TELLINA TAMPAENSIS	4	1	2	1	2	10	2
520	PARASTARTE TRIQUETRA	3	0	4	0	0	7	1
643	HARGERIA REPAX	0	0	0	0	7	7	1
300	NEMERTEA SP.	2	1	1	0	1	5	1
510	HYDROBIIDAE SP.	1	0	3	1	0	5	1
644	ERICHSONIELLA ATTENUATA	0	5	0	0	0	5	1
647	BALANUS IMPROVISUS	0	4	0	0	1	5	1
651	POLYPEDILUM SCALAENUM	0	0	2	1	1	4	1
410	MELINNA MACULATA	0	3	0	0	0	3	1
410	HOBSONIA FLORIDA	0	0	1	1	1	3	1
645	AMPELISCA HOLMESI	0	0	1	0	2	3	1
645	AMPELISCA ABDITA	0	1	0	2	0	3	1
410	HETEROMASTUS FILIFORMIS	0	2	0	0	0	2	<1
510	ASTYRIS LUNATUS	1	1	0	0	0	2	<1
644	CYATHURA POLITA	0	2	0	0	0	2	<1
410	MARPHISA SP.B	0	1	0	0	0	1	<1
410	ETEONE HETEROPODA	0	0	1	0	0	1	<1
510	SAYELLA LAEVIGATA	0	0	0	1	0	1	<1
510	CREPIDULA MACULOSA	0	0	0	1	0	1	<1
520	MACOMA CONSTRICTA	0	0	0	1	0	1	<1
520	TAGELUS DIVISUS	0	0	0	1	0	1	<1
641	CYCLASPIS VARIANS	0	0	0	1	0	1	<1
642	BOWMANIELLA SP.	1	0	0	0	0	1	<1
645	CERAPUS SP.A	0	1	0	0	0	1	<1
	TOTAL ORGANISMS	81	83	149	99	73	485	97
	TOTAL TAXA						33	

TABLE 28. STATION 5: RANK ORDER---SEPTEMBER 1999								
CODE	TAXA	REPLICATE					TOTAL	%
		1	2	3	4	5		
645	CERAPUS SP.A	200	90	248	552	144	1234	63
645	AMPELISCA ABDITA	7	31	11	34	22	105	5
510	ACTEOCINA CANALICULATA	20	28	18	14	19	99	5
410	STREBLOSPIO BENEDICTI	77	5	3	7	5	97	5
410	CAPITELLA CAPITATA	11	6	21	11	15	64	3
644	XENANTHURA BREVITELSON	11	14	12	13	3	53	3
520	PARASTARTE TRIQUETRA	8	18	11	10	4	51	3
520	TELLINA TAMPAENSIS	5	9	7	10	1	32	2
300	CF. TUBULANUS PELLUCIDUS	3	3	8	5	9	28	1
641	CYCLASPIS VARIANS	5	5	0	9	5	24	1
410	FABRICINUDA TRILOBOTA	17	5	1	0	0	23	1
300	NEMERTEA SP.	0	8	7	5	2	22	1
645	AMPELISCA HOLMESI	13	7	1	0	0	21	1
520	TAGELUS DIVISUS	3	9	4	0	1	17	<1
642	BOWMANIELLA SP.	4	3	2	1	6	16	<1
643	HARGERIA REPAX	2	2	3	8	1	16	<1
410	ARICIDEA PHILBINA	1	1	6	1	0	9	<1
410	LAEONEREIS CULVERI	0	1	0	4	3	8	<1
420	TUBIFICIDAE SP. W/OUT HAIRS	0	0	6	0	2	8	<1
510	HYDROBIIDAE SP.	0	4	2	0	1	7	<1
520	AMYGDALUM PAPYRIUM	2	0	3	0	2	7	<1
520	MACOMA TENTA	2	0	2	1	0	5	<1
644	EDOTEA TRILOBA	2	0	1	2	0	5	<1
410	LEITOSCOLOPLOS ROBUSTUS	0	0	1	1	1	3	<1
410	MELINNA MACULATA	0	0	3	0	0	3	<1
410	ETEONE HETEROPODA	0	1	0	0	1	2	<1
410	HOBSONIA FLORIDA	1	1	0	0	0	2	<1
641	ALMYRACUMA PROXIMOCULI	0	1	1	0	0	2	<1
641	OXYUROSTYLUS CF. SMITHI	2	0	0	0	0	2	<1
410	HETEROMASTUS FILIFORMIS	0	0	1	0	0	1	<1
410	MARPHYSA CF. SANGUINEA	0	0	0	0	1	1	<1
510	NUDIBRANCHIA SP. A	0	0	1	0	0	1	<1
645	GRANDIDIERELLA BONNIEROIDES	0	0	0	1	0	1	<1
	TOTAL ORGANISMS	396	252	384	689	248	1969	
	TOTAL TAXA						33	

TABLE 29. STATION 6: RANK ORDER----SEPTEMBER 1999								
CODE	TAXA	REPLICATE					TOTAL	%
		1	2	3	4	5		
420	LIMNODRILOIDES RUBICUNDUS	7	14	0	102	9	132	39
300	CF. TUBULANUS PELLUCIDUS	18	8	15	12	13	66	19
410	LEITOSCOLOPLOS ROBUSTUS	6	2	3	1	3	15	4
520	PARASTARTE TRIQUETRA	4	4	1	3	1	13	4
520	TELLINA TAMPAENSIS	5	2	4	1	0	12	4
410	CAPITELLA CAPITATA	1	3	2	4	1	11	3
510	ODOSTOMIA NR. GIBBOSA	0	6	1	3	0	10	3
643	HARGERIA REPAX	4	3	1	0	2	10	3
645	GRANDIDIERELLA BONNIEROIDES	2	6	1	0	1	10	3
645	COROPHIUM ELLISI	5	0	4	0	0	9	3
420	THALASSODRILIDES GURWITSCHI	1	5	0	2	0	8	2
644	XENANTHURA BREVITELSON	4	1	0	0	1	6	2
410	ARICIDEA PHILBINA	0	2	1	0	2	5	1
410	HETEROMASTUS FILIFORMIS	2	1	0	1	1	5	1
410	HOBSONIA FLORIDA	2	1	0	0	1	4	1
510	ACTEOCINA CANALICULATA	1	1	2	0	0	4	1
645	CERAPUS SP.A	1	0	1	0	2	4	1
410	LAONEREIS CULVERI	0	1	1	0	1	3	1
520	TAGELUS DIVISUS	0	0	0	1	2	3	1
645	AMPELISCA ABDITA	0	1	1	0	0	2	1
300	NEMERTEA SP.	0	1	0	0	0	1	<1
410	GENETYLLIS CASTANEA	0	0	1	0	0	1	<1
410	MELINNA MACULATA	0	0	0	0	1	1	<1
420	TUBIFICIDAE SP. W/OUT HAIRS	1	0	0	0	0	1	<1
510	SAYELLA CROSSEANA	1	0	0	0	0	1	<1
520	ANOMALOCARDIA AUBERIANA	0	0	0	0	1	1	<1
644	CYATHURA POLITA	0	1	0	0	0	1	<1
644	EDOTEA TRILOBA	0	0	1	0	0	1	<1
645	COROPHIUM SP. A	1	0	0	0	0	1	<1
	TOTAL ORGANISMS	66	63	40	130	42	341	
	TOTAL TAXA						29	

TABLE 30. STATION 7: RANK ORDER---SEPTEMBER 1999

CODE	TAXA	REPLICATE					TOTAL	%
		1	2	3	4	5		
510	BITTIUM VARIUM	92	3	23	1	35	154	22
646	EURYPANOPEUS DEPRESSUS	58	1	12	2	26	99	14
510	ASTYRIS LUNATUS	43	2	17	7	17	86	12
410	NEANTHES SUCCINEA	40	0	4	1	2	47	7
645	CYMADEUSA COMPTA	8	3	12	3	15	41	6
647	BALANUS IMPROVISUS	10	0	2	0	15	27	4
520	ISCHADIUM RECURVUM	24	0	1	0	1	26	4
510	NASSARIUS ALBUS	5	1	3	2	11	22	3
520	CRASSOSTREA VIRGINICA	18	1	0	0	0	19	3
410	POLYDORA LIGNI	12	0	1	0	2	15	2
410	GENETYLLIS CASTANEA	11	0	0	0	1	12	2
420	TUBIFICIDAE SP. W/OUT HAIRS	0	9	0	1	1	11	2
645	MELITA NITIDA	5	0	0	0	6	11	2
646	PAGURIDAE SP.	8	0	0	0	3	11	2
646	PETROLISTHES CF. ARMATUS	10	0	1	0	0	11	2
420	THALASSODRILIDES GURWITSCHI	0	3	0	7	0	10	1
510	BOONEA IMPRESSA	3	3	1	1	2	10	1
645	GRANDIDIERELLA BONNIEROIDES	3	0	2	0	4	9	1
646	PALAEMONETES PUGIO	1	0	5	0	3	9	1
645	ERICHTHONIUS RUBICORNIS	0	7	1	0	0	8	1
100	THENARIA SP.	7	0	0	0	0	7	1
200	STYLOCHUS ELIPTICUS	5	0	0	0	1	6	1
300	CF. TUBULANUS PELLUCIDUS	2	2	0	0	2	6	1
510	CREPIDULA PLANA	5	0	1	0	0	6	1
510	ACTEOCINA CANALICULATA	3	1	1	0	0	5	1
645	GITANOPSIS SP.	1	0	1	0	2	4	1
510	CREPIDULA MACULATA	1	0	0	0	2	3	<1
510	NUDIBRANCHIA SP. A	0	0	1	0	2	3	<1
510	VITRINELLA CF. FLORIDANA	0	3	0	0	0	3	<1
410	MAGELONA PETTIBONEAE	1	1	0	0	0	2	<1
510	NASSARIUS VIBEX	0	0	2	0	0	2	<1
520	AMYGDALUM PAPYRIUM	0	0	2	0	0	2	<1
410	LEITOSCOLOPLOS ROBUSTUS	0	1	0	0	0	1	<1
410	PODARKEOPSIS LEVIFUSCINA	0	1	0	0	0	1	<1
410	STREBLOSPPIO BENEDICTI	0	1	0	0	0	1	<1
510	ODOSTOMIA NR. GIBBOSA	0	0	1	0	0	1	<1
520	TELLINA TAMPAENSIS	0	0	1	0	0	1	<1
645	BATEA CATHERINENSIS	1	0	0	0	0	1	<1
646	EURYTIUM LIMOSUM	0	0	0	0	1	1	<1
	TOTAL ORGANISMS	377	43	95	25	154	694	
	TOTAL TAXA						39	

TABLE 31. STATION 8: RANK ORDER----SEPTEMBER 1999									
CODE	TAXA	REPLICATE					TOTAL	%	
		1	2	3	4	5			
510	BITTIUM VARIUM	17	43	5	17	5	87	25	
410	CAPITELLA CAPITATA	2	24	9	7	7	49	14	
410	LAONEREIS CULVERI	2	16	8	3	5	34	10	
410	MAGELONA PETTIBONEAE	3	7	7	10	3	30	9	
647	BALANUS IMPROVISUS	3	21	0	3	1	28	8	
510	HYDROBIIDAE SP.	12	7	0	1	0	20	6	
410	STREBLOSPIO BENEDICTI	1	5	1	1	2	10	3	
520	TELLINA TAMPAENSIS	4	5	0	0	1	10	3	
510	ASTYRIS LUNATUS	1	2	0	3	2	8	2	
510	ACTEOCINA CANALICULATA	0	2	1	3	1	7	2	
641	CYCLASPIS VARIANS	1	1	3	1	1	7	2	
642	AMERICAMYSIS BAHIA	5	1	0	1	0	7	2	
642	BOWMANIELLA SP.	1	1	0	2	2	6	2	
410	GLYCIDAE SOLITARIA	2	2	1	0	0	5	1	
641	OXYUROSTYLUS CF. SMITHI	1	1	2	1	0	5	1	
410	ARICIDEA PHILBINA	0	2	0	0	2	4	1	
410	CAPITELLA JONESI	4	0	0	0	0	4	1	
410	SPIOCHAETOPTERUS C. OCULATUS	0	0	4	0	0	4	1	
410	ETEONE HETEROPODA	0	1	1	0	1	3	1	
510	CAECUM PULCHELLUM	0	2	0	0	0	2	1	
510	HAMINOEA SUCCINEA	0	1	0	1	0	2	1	
510	SAYELLA LAEVIGATA	0	0	0	0	2	2	1	
300	NEMERTEA SP.	0	0	0	0	1	1	<1	
410	ASYCHIS ELONGATA	0	1	0	0	0	1	<1	
410	NEANTHES SUCCINEA	0	1	0	0	0	1	<1	
410	PRIONOSPIO HETEROBRANCHIA	0	0	0	1	0	1	<1	
410	SCOLOPLOS RUBRA	1	0	0	0	0	1	<1	
420	LIMNODRILUS RUBICUNDUS	1	0	0	0	0	1	<1	
420	TECTIDRILUS SQUALIDUS	0	1	0	0	0	1	<1	
510	BOONEA IMPRESSA	1	0	0	0	0	1	<1	
642	AMERICAMYSIS ALMYRA	1	0	0	0	0	1	<1	
645	CYADUSA COMPTA	1	0	0	0	0	1	<1	
	TOTAL ORGANISMS	64	147	42	55	36	344		
	TOTAL TAXA						32		

TABLE 32. STATION 9: RANK ORDER----SEPTEMBER 1999								
CODE	TAXA	REPLICATE					TOTAL	%
		1	2	3	4	5		
420	TUBIFICIDAE SP. W/OUT HAIRS	10	20	31	23	21	105	22
520	PARASTARTE TRIQUETRA	25	9	10	9	16	69	14
420	TUBIFICOIDES BROWNAE	17	7	0	10	13	47	10
410	ARICIDEA PHILBINA	5	3	7	11	11	37	8
645	AMPELISCA ABDITA	3	3	5	16	7	34	7
410	LAONEREIS CULVERI	4	5	5	10	6	30	6
520	TELLINA TAMPAENSIS	3	8	4	6	3	24	5
510	HYDROBIIDAE SP.	3	2	2	0	13	20	4
410	CAPITELLA CAPITATA	2	1	2	5	9	19	4
647	BALANUS IMPROVISUS	6	0	3	6	1	16	3
644	ERICHSONIELLA ATTENUATA	6	0	1	3	4	14	3
410	ETEONE HETEROPODA	0	3	0	1	3	7	1
510	ACTEOCINA CANALICULATA	3	1	2	0	1	7	1
300	CF. TUBULANUS PELLUCIDUS	0	2	0	0	4	6	1
300	NEMERTEA SP.	1	3	1	1	0	6	1
510	BULLA STRIATA	2	2	0	1	1	6	1
641	OXYUROSTYLUS CF. SMITHI	0	0	1	3	2	6	1
410	MELINNA MACULATA	3	0	2	0	0	5	1
410	MONTICELLINA DORSOBRANCHIALIS	0	0	0	3	0	3	1
510	ASTYRIS LUNATUS	2	0	0	0	1	3	1
510	BITTIUM VARIUM	2	0	0	0	1	3	1
642	AMERICAMYSIS BAHIA	0	0	0	3	0	3	1
410	LEITOSCOLOPLOS ROBUSTUS	0	1	0	1	0	2	<1
510	VITRINELLA CF. FLORIDANA	2	0	0	0	0	2	<1
641	CYCLASPIS VARIANS	1	0	0	0	1	2	<1
410	GLYCIDINDE SOLITARIA	1	0	0	0	0	1	<1
410	HOBSONIA FLORIDA	0	0	0	0	1	1	<1
510	ANOMALOCARDIA AUBERIANA	0	0	0	1	0	1	<1
510	NASSARIUS ALBUS	1	0	0	0	0	1	<1
520	AMYGDALUM PAPHIUM	0	0	0	0	1	1	<1
520	MACOMA TENTA	0	0	0	1	0	1	<1
520	TAGELUS DIVISUS	0	1	0	0	0	1	<1
641	ALMYRACUMA PROXIMOCULI	1	0	0	0	0	1	<1
643	HARGERIA REPAX	1	0	0	0	0	1	<1
644	HARRIETA FAXONI	0	0	0	0	1	1	<1
644	XENANTHURA BREVITELSON	1	0	0	0	0	1	<1
TOTAL ORGANISMS		105	71	76	114	121	487	
TOTAL TAXA							36	

TABLE 33. STATION 10: RANK ORDER----SEPTEMBER 1999

CODE	TAXA	REPLICATE					TOTAL	%
		1	2	3	4	5		
510	BITTIUM VARIUM	27	46	15	36	24	148	26
510	ASTYRIS LUNATUS	18	43	20	29	12	122	21
647	BALANUS IMPROVISUS	10	12	13	7	6	48	8
420	TUBIFICOIDES BROWNAE	4	3	13	5	4	29	5
420	TUBIFICIDAE SP. W/OUT HAIRS	3	12	5	2	2	24	4
410	CARAZZIELLA HOBSONAE	0	0	0	20	0	20	3
410	NEANTHES SUCCINEA	0	7	2	6	4	19	3
410	MAGELONA PETTIBONEAE	6	5	3	1	3	18	3
410	ARICIDEA PHILBINA	0	0	3	0	6	9	2
410	MEDIOMASTUS CALIFORNIENSIS	3	1	4	0	0	8	1
645	CYMA DUSA COMPTA	2	1	2	3	0	8	1
510	ACTEOCINA CANALICULATA	3	0	0	3	1	7	1
410	NEREIDAE SP.	4	0	2	0	0	6	1
410	PRIONOSPION HETEROBRANCHIA	1	2	1	2	0	6	1
410	SPIOCHAETOPTERUS C. OCULATUS	1	2	1	0	2	6	1
510	CAECUM PULCHELLUM	3	2	0	1	0	6	1
510	ODOSTOMIA NR. GIBBOSA	0	5	0	1	0	6	1
645	AMPELISCA ABDITA	1	1	2	2	0	6	1
410	CAPITELLA CAPITATA	1	0	3	1	0	5	1
410	POLYDORA LIGNI	0	4	1	0	0	5	1
645	BATEA CATHERINENSIS	0	2	0	0	3	5	1
410	DIOPATRA CUPREA	1	0	1	0	2	4	1
510	CREPIDULA MACULOSA	0	1	3	0	0	4	1
510	NASSARIUS VIBEX	0	2	1	0	1	4	1
646	PAGURIDAE SP.	0	2	0	2	0	4	1
100	THENARIA SP.	1	0	0	0	2	3	1
200	STYLOCHUS ELLIPTICUS	0	0	1	2	0	3	1
510	BOONEA IMPRESSA	1	0	0	2	0	3	1
410	GLYCIDINDE SOLITARIA	0	0	0	1	1	2	<1
410	MOOREONUPHIS SP.	0	0	2	0	0	2	<1
510	HAMINOEA SUCCINEA	0	0	0	2	0	2	<1
520	ANADARA FLORIDANA	0	0	1	1	0	2	<1
644	ERICHSONIELLA ATTENUATA	0	1	0	1	0	2	<1
644	PARACERCEIS CAUDATA	0	1	0	0	1	2	<1
646	AMBIDEXTER SYMMETRICUS	0	1	0	0	1	2	<1
300	NEMERTEA SP.	0	0	0	0	1	1	<1
410	AUTOLYTUS DENTALIUS	0	1	0	0	0	1	<1
410	EHLERSIA CORNUTA	1	0	0	0	0	1	<1
410	GLYCERA SP. C	0	0	0	1	0	1	<1
410	GRUBEOSYLLIS CLAVATA	0	1	0	0	0	1	<1
410	MEDIOMASTUS AMBISETA	0	0	0	1	0	1	<1
410	MEDIOMASTUS SP.	0	0	0	1	0	1	<1
410	ONUPHIDAE SP.	0	1	0	0	0	1	<1

TABLE 33. STATION 10: RANK ORDER----SEPTEMBER 1999									
CODE	TAXA	REPLICATE					TOTAL	%	
		1	2	3	4	5			
410	TRAVISIA HOBSONAE	0	1	0	0	0	1	<1	
510	CREPIDULA PLANA	0	0	1	0	0	1	<1	
510	CREPIDULA SP.	0	1	0	0	0	1	<1	
510	NUDIBRANCHIA SP. A	1	0	0	0	0	1	<1	
510	SAYELLA LAEVIGATA	0	0	0	1	0	1	<1	
510	TURBONILLA VIRIDIMARIS	0	0	1	0	0	1	<1	
520	AMYGDALUM PAPHYRIUM	0	0	0	0	1	1	<1	
520	ISCHADIUM RECURVUM	0	0	1	0	0	1	<1	
520	MYSELLA PLANULATA	0	1	0	0	0	1	<1	
520	PARVILUCINA MULTILINEATA	0	0	0	0	1	1	<1	
645	AMPELISCA VADORUM	0	0	1	0	0	1	<1	
645	LISTRIELLA BARNARDI	0	1	0	0	0	1	<1	
646	PENAEUS DUORARUM	0	1	0	0	0	1	<1	
1300	MOGULA ARENATA	0	0	0	0	1	1	<1	
	TOTAL ORGANISMS	92	164	103	134	79	572		
	TOTAL TAXA						57		

TABLE 34. STATION 1: MAJOR GROUPS---JUNE 1999									
		TAXA	REPLICATE						
			1	2	3	4	5	TOTAL	%
PLATYHELMINTHES	200	STYLOCHUS ELLIPTICUS	1	2	8	10	6	27	
		TOTAL						27	1
NEMERTEAN	300	NEMERTEA SP.	3	0	8	0	7	18	
		TOTAL						18	1
POLYCHAETE	410	GRUBEOSYLLIS CLAVATA	2	5	8	13	18	46	
	410	TYPOSYLLIS CF. PROLIFERA	4	2	0	12	6	24	
	410	CIRROPHORUS SP.	4	0	0	12	1	17	
	410	POLYDORA SOCIALIS	0	1	3	4	3	11	
	410	GENETYLLIS CASTANEA	1	0	0	7	0	8	
	410	CAPITELLA CAPITATA	1	2	0	4	0	7	
	410	MARPHYSA SP.B	2	1	2	2	0	7	
	410	NEMATONEREIS HEBES	0	0	1	6	0	7	
	410	NEANTHES SUCCINEA	0	0	3	3	0	6	
	410	MEDIOMASTUS CALIFORNIENSIS	0	3	0	0	2	5	
	410	PIONOSYLLIS SP. D	0	0	4	0	0	4	
	410	EHLERSIA CORNUTA	0	1	0	2	0	3	
	410	PRIONOSPION MULTIBRANCHIATA	1	0	0	2	0	3	
	410	STREBLOSOMA HARTMANAE	2	0	1	0	0	3	
	410	ARICIDEA PHILBINA	0	0	1	0	1	2	
	410	LOIMIA MEDUSA	0	0	1	1	0	2	
	410	MONTICELLINA DORSOBRANCHIALIS	2	0	0	0	0	2	
	410	PISTA PALMATA	0	0	1	0	1	2	
	410	PODARKEOPSIS LEVIFUSCINA	0	0	0	2	0	2	
	410	SPHAEROSYLLIS TAYLORI	0	1	0	1	0	2	
	410	CAPITELLA JONESI	1	0	0	0	0	1	
	410	FABRICINUDA TRILOBOTA	0	0	1	0	0	1	
	410	ISOLDA PULCHELLA	0	0	1	0	0	1	
	410	LYSIDICE SP. A	0	1	0	0	0	1	
	410	MACROCHAETA CF. CLAVICORNIS	1	0	0	0	0	1	
	410	MEDIOMASTUS SP.	1	0	0	0	0	1	
	410	NEREIDAE SP.	1	0	0	0	0	1	
	410	NEREIS FALSA	0	0	0	0	1	1	
	410	PARAHESIONE LUTEA	0	1	0	0	0	1	
	410	PODARKE OBSCURA	0	0	0	1	0	1	
	410	PRIONOSPION HETEROBRANCHIA	0	0	0	1	0	1	
	410	SYLLIDAE SP.	0	1	0	0	0	1	
	410	TEREBELLIDAE SP.	0	0	0	0	1	1	
		TOTAL						176	8
OLIGOCHAETE	420	THALASSODRILIDES GURWITSCHI	17	18	3	84	3	125	
	420	TUBIFICIDAE SP. W/OUT HAIRS	1	0	0	0	0	1	
		TOTAL						126	6

TABLE 34. STATION 1: MAJOR GROUPS----JUNE 1999									
		TAXA	REPLICATE					TOTAL	%
			1	2	3	4	5		
GASTROPOD	510	CREPIDULA PLANA	24	33	26	44	40	167	
	510	ASTYRIS LUNATUS	48	2	2	58	12	122	
	510	BOONEA IMPRESSA	14	5	5	20	0	44	
	510	CAECUM PULCHELLUM	15	0	0	5	0	20	
	510	CERITHIOPSIS GREENI	4	1	2	12	1	20	
	510	PYRGOCYTHARA PLICOSA	5	8	1	3	0	17	
	510	ANACHIS OBESA	0	2	2	8	2	14	
	510	SEILA ADAMSI	2	3	0	2	0	7	
	510	EPITONIUM SP.	1	0	0	2	0	3	
	510	MARSHALLORA NIGROCINCTA	0	0	0	2	0	2	
	510	SCHWARTZIELLA BRYEREA	0	0	0	2	0	2	
	510	BITTIUM VARIUM	0	0	0	0	1	1	
	510	DIODERA CAYENENSIS/LISTERI	0	0	1	0	0	1	
	510	NUDIBRANCHIA SP. A	0	0	0	0	1	1	
		TOTAL						421	20
BIVALVE	520	CRYPTOSTREA PERMOLLIS	0	3	7	2	3	15	
	520	CRASSOSTREA VIRGINICA	0	1	0	7	0	8	
	520	ISCHADIUM RECURVUM	1	0	1	1	2	5	
	520	BARBATIA DOMINGENSIS	1	1	1	1	0	4	
	520	BIVALVIA SP.	2	1	0	0	0	3	
	520	ENTODESMA BEANA	0	0	0	3	0	3	
	520	OSTREA EQUESTIS	0	0	0	3	0	3	
	520	LYONSIA FLORIDANA	0	0	0	0	2	2	
	520	CORBULA CONTRACTA	1	0	0	0	0	1	
	520	MODIOLUS AMERICANUS	0	0	1	0	0	1	
		TOTAL						45	2
TANAID	643	HARGERIA REPAX	9	16	9	25	103	162	
		TOTAL						162	8
ISOPOD	644	ERICHSONIELLA ATTENUATA	2	0	0	2	1	5	
	644	HARRIETA FAXONI	0	0	0	4	0	4	
	644	PARACERCEIS CAUDATA	1	0	0	0	1	2	
	644	UROMUNNA HAYESI	1	0	0	0	0	1	
		TOTAL						12	1
AMPHIPOD	645	ERICHTHONIUS RUBICUNDIS	211	1	28	100	39	379	
	645	ELASMOPUS LEVIS	15	50	8	200	12	285	
	645	GITANOPSIS SP.	1	24	14	16	26	81	
	645	GRANDIDIERELLA BONNIEROIDES	0	57	9	0	0	66	
	645	MELITA NITIDA	1	38	4	6	6	55	
	645	QUADRIMAERA MIRANDA	8	16	10	4	8	46	

TABLE 34. STATION 1: MAJOR GROUPS---JUNE 1999									
			REPLICATE						
		TAXA	1	2	3	4	5	TOTAL	%
	645	DULCHIELLA APPENDICULATA	11	3	2	2	8	26	
	645	PARACAPRELLA TENUIS	5	3	0	9	4	21	
	645	COROPHIUM SP. A	0	0	8	2	0	10	
	645	CYMADEUSA COMPTA	0	0	0	0	8	8	
	645	LYSIANOPSIS ALBA	1	0	0	0	0	1	
	645	REPOXINIUS EPISTOMUS	1	0	0	0	0	1	
		TOTAL						979	47
DECAPOD	646	RHITHROPANOPEUS HARRISII	5	4	5	17	15	46	
	646	ALPHEUS ARMAILLATIS	2	4	4	5	4	19	
	646	PETROLISTHES CF. ARMATUS	3	5	3	5	1	17	
	646	HIPPOLYTE PLEUROCANTHUS	1	0	0	5	4	10	
	646	PAGURIDAE SP.	1	1	0	0	1	3	
	646	PAGURIDAE SP. A	0	0	0	1	0	1	
		TOTAL						96	5
CIRRIPIDEA	647	BALANUS SP.	0	0	2	0	3	5	
		TOTAL						5	<1
ECHINODERM	700	AMPHIURIDAE SP.	2	0	0	0	0	2	
		TOTAL						2	<1
		TOTAL ORGANISMS	444	321	201	745	358	2069	
		TOTAL TAXA						86	

TABLE 35. STATION 2: MAJOR GROUPS—JUNE 1999									
		TAXA	1	2	3	4	5	TOTAL	%
PLATYHELMINTHES	200	STYLOCHUS ELLIPTICUS	1	0	0	0	0	1	
		TOTAL						1	<1
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS	13	13	19	13	23	81	
	300	NEMERTEA SP.	0	0	1	2	2	5	
		TOTAL						86	4
POLYCHAETE	410	ARICIDEA PHILBINA	282	183	281	204	336	1286	
	410	CAPITELLA CAPITATA	13	28	11	25	32	109	
	410	LAONEREIS CULVERI	16	14	9	20	13	72	
	410	LEITOSCOLOPLOS ROBUSTUS	12	8	11	18	16	65	
	410	HETEROMASTUS FILIFORMIS	11	0	10	7	9	37	
	410	CHONE CF. AMERICANA	6	11	0	3	0	20	
	410	ETEONE HETEROPODA	4	1	0	0	2	7	
	410	HOBSONIA FLORIDANA	1	0	2	0	1	4	
	410	MELINNA MACULATA	0	1	2	0	0	3	
	410	ARICIDEA TAYLORI	0	2	0	0	0	2	
	410	POLYDORA LIGNI	0	2	0	0	0	2	
	410	PRIONOSPION HETEROBRANCHIA	0	0	1	0	1	2	
	410	FABRICINUDA TRILOBOTA	0	0	0	0	1	1	
	410	MARPHYSA SP. B	0	0	1	0	0	1	
	410	SCOLELEPIS TEXANA	1	0	0	0	0	1	
		TOTAL						1612	72
OLIGOCHAETE	420	THALASSODRILIDES GURWITSCHI	4	5	1	12	7	29	
	420	TUBIFICIDAE SP. W/OUT HAIRS	1	0	0	1	1	3	
		TOTAL						32	1
GASTROPOD	510	ACTEOCINA CANALICULATA	4	7	5	9	4	29	
	510	VITRINELLA CF. FLORIDANA	0	0	19	0	0	19	
	510	ASTYRIS LUNATUS	2	6	3	2	0	13	
	510	SAYELLA CROSSEANA	0	2	6	0	1	9	
	510	ODOSTOMIA NR. GIBBOSA	1	3	0	3	0	7	
	510	SAYELLA LAEVIGATA	1	3	1	1	1	7	
	510	BITTIUM VARIUM	0	2	2	0	0	4	
	510	NUDIBRANCHIA SP. A	0	1	1	0	2	4	
		TOTAL						92	4
BIVALVE	520	TELLINA TAMPAENSIS	6	11	1	0	13	31	
	520	BIVALVIA SP.	0	3	0	1	1	5	
	520	CORBULA CONTRACTA	0	0	1	1	0	2	
	520	TAGELUS DIVISUS	0	2	0	0	0	2	
	520	AMYGDALUM PAPYRIUM	0	0	0	0	1	1	
	520	CF. CHIONE CANCELLATA	0	0	0	1	0	1	

TABLE 35. STATION 2: MAJOR GROUPS----JUNE 1999									
		TAXA	1	2	3	4	5	TOTAL	%
	520	MACOMA TENTA	0	0	0	1	0	1	
		TOTAL						43	2
CUMACEA	641	OXYUROSTYLUS CF. SMITHI	4	0	0	1	6	11	
	641	CYCLASPIS VARIANS	2	0	1	0	0	3	
		TOTAL						14	1
TANAID	643	HARGERIA REPAX	12	14	8	0	2	36	
		TOTAL						36	2
ISOPOD	644	XENANTHURA BREVITELSON	22	5	18	3	31	79	
	644	ERICHSONIELLA ATTENUATA	0	20	1	5	0	26	
	644	EDOTEA TRILOBA	1	0	0	0	0	1	
		TOTAL						106	5
AMPHIPOD	645	AMPELISCA ABDITA	114	2	4	4	23	147	
	645	GRANDIDIERELLA BONNIEROIDES	20	1	0	1	17	39	
	645	AMPELISCA VADORUM	0	1	0	1	8	10	
	645	CERAPUS SP.A	6	0	0	0	0	6	
	645	COROPHIUM SP. A	0	0	1	0	0	1	
		TOTAL						203	9
DECAPOD	646	RHITHROPANOPEUS HARRISII	0	0	1	0	0	1	
		TOTAL						1	<1
		TOTAL ORGANISMS	560	351	422	339	554	2226	
		TOTAL TAXA						47	

TABLE 36.		STATION 3: MAJOR GROUPS---JUNE 1999								
		TAXA	1	2	REPLICATE		5		TOTAL	%
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS		0	7	13	5		25	
	300	NEMERTEA SP.		0	0	2	0		2	
		TOTAL							27	3
POLYCHAETE	410	LEITOSCOLOPLOS ROBUSTUS		0	21	13	71		105	
	410	CAPITELLA CAPITATA		0	23	44	20		87	
	410	LAONEREIS CULVERI		0	26	19	24		69	
	410	HETEROMASTUS FILIFORMIS		0	6	4	13		23	
	410	ARICIDEA PHILBINA		0	0	2	15		17	
	410	ETEONE HETEROPODA		0	5	3	6		14	
	410	ARENICOLA CRISTATA		1	0	0	1		2	
	410	HOBSONIA FLORIDANA		0	0	2	0		2	
	410	POLYDORA LIGNI		0	0	2	0		2	
	410	MARPHYSA SP.B		0	0	1	0		1	
	410	NEMATONEREIS HEBES		0	0	1	0		1	
	410	PODARKE OBSCURA		0	0	0	1		1	
		TOTAL							324	41
OLIGOCHAETE	420	THALASSODRILIDES GURWITSCHI		0	3	6	17		26	
		TOTAL							26	3
GASTROPOD	510	VITRINELLA CF. FLORIDANA		0	0	7	0		7	
	510	ASTYRIS LUNATUS		2	0	1	1		4	
	510	BITTIUM VARIUM		3	0	1	0		4	
	510	ODOSTOMIA NR. GIBBOSA		4	0	0	0		4	
	510	ACTEOCINA CANALICULATA		0	0	0	3		3	
	510	SAYELLA LAEVIGATA		0	0	1	0		1	
		TOTAL							23	3
BIVALVE	520	TELLINA TAMPAENSIS		0	0	1	6		7	
	520	TAGELUS DIVISUS		0	0	1	2		3	
	520	CRASSOSTREA VIRGINICA		1	0	0	0		1	
		TOTAL							11	1
TANAID	643	HARGERIA REPAX		5	9	131	56		201	
		TOTAL							201	25
ISOPOD	644	SPHAEROMA TEREBRANS		52	0	0	0		52	
	644	EDOTEA TRILOBA		0	2	3	1		6	
	644	ERICHSONIELLA ATTENUATA		1	0	0	3		4	
	644	XENANTHURA BREVITELSON		0	0	1	3		4	
	644	CYATHURA POLITA		0	0	3	0		3	
		TOTAL							69	9

TABLE 36. STATION 3: MAJOR GROUPS----JUNE 1999									
		TAXA	1	2	REPLICATE		5	TOTAL	%
AMPHIPOD	645	COROPHIUM ELLISI		0	36	5	16	57	
	645	GRANDIDIERELLA BONNIEROIDES		2	6	22	4	34	
	645	HYALE SP. A		2	0	0	0	2	
	645	AMPELISCA ABDITA		0	1	0	0	1	
	645	AMPELISCA VADORUM		0	0	0	1	1	
	645	CYMA DUSA COMPTA		0	0	0	1	1	
	645	GAMMARUS MUCRONATUS		1	0	0	0	1	
	645	MELITA NITIDA		0	0	1	0	1	
	645	PARACAPRELLA TENUIS		0	0	0	1	1	
		TOTAL						99	13
CIRRIPIDEA	647	BALANUS IMPROVISUS		5	0	4	0	9	
		TOTAL						9	1
		TOTAL ORGANISMS		79	145	294	271	789	
		TOTAL TAXA						40	

TABLE 37.		STATION 4: MAJOR GROUPS—JUNE 1999								
		TAXA	1	2	REPLICATE		5		TOTAL	%
PLATYHELMINTHES	200	STYLOCHUS ELLIPTICUS	0	1	0	0	0		1	
		TOTAL							1	<1
NEMERTEAN	300	NEMERTEA SP.	9	5	3	10	6		33	
	300	CF. TUBULANUS PELLUCIDUS	0	0	3	3	0		6	
		TOTAL							39	2
POLYCHAETE	410	FABRICINUDA TRILOBOTA	50	89	119	31	203		492	
	410	ARICIDEA PHILBINA	61	42	70	70	68		311	
	410	CAPITELLA CAPITATA	9	8	24	10	12		63	
	410	CHONE CF. AMERICANA	10	8	12	4	12		46	
	410	LEITOSCOLOPLOS ROBUSTUS	6	11	4	1	8		30	
	410	LAONEREIS CULVERI	4	4	9	2	4		23	
	410	PRIONOSPION HETEROBRANCHIA	3	2	6	5	5		21	
	410	MELINNA MACULATA	2	9	1	1	4		17	
	410	SPIOCHAETOPTERUS C. OCULATUS	3	0	3	3	3		12	
	410	GLYCIDINDE SOLITARIA	3	1	1	2	3		10	
	410	HETEROMASTUS FILIFORMIS	1	2	4	1	0		8	
	410	SCOLELEPIS TEXANA	2	0	2	1	3		8	
	410	ETEONE HETEROPODA	2	0	1	2	0		5	
	410	DIOPATRA CUPREA	1	1	0	0	1		3	
	410	PHYLLODOCE ARENAE	1	0	1	1	0		3	
	410	MEDIOMASTUS SP.	1	0	1	0	0		2	
	410	PODARKE OBSCURA	0	0	1	1	0		2	
	410	POLYDORA LIGNI	1	0	0	0	1		2	
	410	SCOLOPLOS RUBRA	0	1	0	0	1		2	
	410	MALDANIDAE SP.	0	1	0	0	0		1	
	410	MONTICELLINA DORSOBRANCHIALIS	0	0	1	0	0		1	
	410	NEMATONEREIS HEBES	0	0	0	0	1		1	
	410	PARAPRIONOSPION PINNATA	0	0	1	0	0		1	
	410	PODARKEOPSIS LEVIFUSCINA	0	1	0	0	0		1	
	410	PRIONOSPION PERKINSI	0	0	1	0	0		1	
		TOTAL							1066	57
GASTROPOD	510	ACTEOCINA CANALICULATA	3	0	1	1	0		5	
	510	ASTYRIS LUNATUS	0	1	0	0	0		1	
		TOTAL							6	<1
BIVALVE	520	TELLINA TAMPAENSIS	1	3	6	0	1		11	
	520	MACOMA TENTA	1	2	2	1	0		6	
	520	AMYGDALUM PAPHIUM	0	2	1	0	0		3	
	520	PARASTARTE TRIQUETRA	1	1	0	1	0		3	
	520	LYONSIA FLORIDANA	1	0	0	1	0		2	
	520	TAGELUS DIVISUS	0	1	0	0	0		1	

TABLE 37.		STATION 4: MAJOR GROUPS----JUNE 1999					REPLICATE	TOTAL	%
	TAXA	1	2	3	4	5			
	TOTAL							26	1
CUMACEA	641 OXYUROSTYLUS CF. SMITHI	3	0	0	0	0		3	
	TOTAL							3	<1
TANAID	643 HARGERIA REPAX	6	0	2	1	2		11	
	643 HALMYRAPSEUDES BAHAMENSIS	3	1	1	0	0		5	
	TOTAL							16	1
ISOPOD	644 XENANTHURA BREVITELSON	15	9	28	18	8		78	
	644 CYATHURA POLITA	10	16	16	22	5		69	
	644 SPHAEROMA QUADRIDENTATA	0	0	0	0	8		8	
	644 EDOtea TRILOBA	0	1	0	0	0		1	
	644 SPHAEROMA TEREBRANS	0	0	1	0	0		1	
	TOTAL							157	8
AMPHIPOD	645 GRANDIDIERELLA BONNIEROIDES	55	80	85	144	59		423	
	645 AMPELISCA ABDITA	22	29	10	17	21		99	
	645 AMPELISCA VADORUM	11	4	0	0	0		15	
	645 PARACAPRELLA TENUIS	0	1	2	1	3		7	
	645 CERAPUS SP.A	0	3	2	0	0		5	
	TOTAL							549	29
	TOTAL ORGANISMS	301	340	425	355	442		1863	
	TOTAL TAXA							49	

TABLE 38.		STATION 5: MAJOR GROUPS—JUNE 1999								
		TAXA	1	2	REPLICATE				TOTAL	%
CNIDARIA	100	THENARIA SP.	0	1	0	0	0		1	
		TOTAL							1	<1
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS	11	5	1	2	19		38	
	300	NEMERTEA SP.	2	5	1	1	5		14	
		TOTAL							52	5
POLYCHAETE	410	ARICIDEA PHILBINA	106	115	73	76	111		481	
	410	CAPITELLA CAPITATA	42	20	39	52	24		177	
	410	LEITOSCOLOPLOS ROBUSTUS	13	2	9	4	10		38	
	410	LAONEREIS CULVERI	5	5	4	9	10		33	
	410	MELINNA MACULATA	2	3	0	5	7		17	
	410	PRIONOSPIO HETEROBRANCHIA	1	4	8	0	2		15	
	410	FABRICINUDA TRIBOTA	2	0	1	1	10		14	
	410	GLYCIDINDE SOLITARIA	0	3	1	4	3		11	
	410	CHONE CF. AMERICANA	1	0	2	1	1		5	
	410	ETEONE HETEROPODA	1	0	1	1	2		5	
	410	HETEROMASTUS FILIFORMIS	2	0	1	1	0		4	
	410	SPIOCHAETOPTERUS C. OCULATUS	0	2	0	0	2		4	
	410	PARAPRIONOSPIO PINNATA	1	1	0	0	1		3	
	410	ASYCHIS ELONGATA	0	2	0	0	0		2	
	410	DIOPATRA CUPREA	1	0	0	0	1		2	
	410	MEDIOMASTUS SP.	1	1	0	0	0		2	
	410	PODARKE OBSCURA	1	1	0	0	0		2	
	410	HOBSONIA FLORIDA	0	0	1	0	0		1	
	410	MARPHYSIA CF. SANGUINEA	0	1	0	0	0		1	
		TOTAL							817	76
OLIGOCHAETE	420	THALASSODRILIDES GURWITSCHI	0	0	2	0	0		2	
		TOTAL							2	<1
GASTROPOD	510	ACTEOCINA CANALICULATA	5	1	1	0	8		15	
	510	GASTROPODA SP.	0	0	0	0	8		8	
	510	CREPIDULA MACULATA	5	0	2	0	0		7	
	510	BITTUM VARIUM	2	0	2	0	1		5	
	510	CREPIDULA SP.	0	0	3	0	2		5	
	510	ASTYRIS LUNATUS	1	0	1	0	2		4	
	510	SAYELLA CROSSEANA	2	0	1	0	1		4	
	510	EULIMASTOMA CANALICULATA	1	0	1	0	1		3	
	510	ODOSTOMIA NR. GIBBOSA	0	0	0	0	2		2	
	510	CREPIDULA PLANA	0	0	1	0	0		1	
	510	NASSARIUS VIBEX	1	0	0	0	0		1	
		TOTAL							55	5

TABLE 38.		STATION 5: MAJOR GROUPS---JUNE 1999								
		TAXA	1	2	3	4	5		TOTAL	%
BIVALVE	520	PARASTARTE TRIQUETRA	6	4	2	1	7		20	
	520	TELLINA TAMPAENSIS	3	0	3	1	1		8	
	520	BIVALVIA SP.	0	0	3	0	1		4	
	520	MYSELLA PLANULATA	1	0	0	0	2		3	
	520	AMYGDALUM PAPYRIUM	0	0	0	0	1		1	
	520	GUEKENSIA GRANOSISSIMA	0	0	1	0	0		1	
	520	MACOMA TENTA	0	0	0	0	1		1	
	520	TAGELUS DIVISUS	1	0	0	0	0		1	
		TOTAL							39	4
PYCNOGONID	630	PYCNOGONIDA SP.	1	0	0	0	0		1	
		TOTAL							1	<1
CUMACEA	641	OXYUROSTYLUS CF. SMITHI	0	0	1	0	0		1	
		TOTAL							1	<1
TANAID	643	HARGERIA REPAX	0	1	17	1	3		22	
		TOTAL							22	2
ISOPOD	644	XENANTHURA BREVITELSON	19	3	11	7	7		47	
	644	ERICHSONIELLA ATTENUATA	1	0	3	3	4		11	
	644	EDOTEA TRILOBA	0	0	0	0	1		1	
		TOTAL							59	5
AMPHIPOD	645	CYMA DUSA COMPTA	3	1	3	2	0		9	
	645	GRANDIDIERELLA BONNIEROIDES	0	0	1	1	6		8	
	645	AMPELISCA ABDITA	0	1	2	0	2		5	
	645	CERAPUS SP.A	1	0	0	0	4		5	
	645	AMPELISCA HOLMESI	0	1	0	0	1		2	
	645	PARACAPRELLA TENUIS	0	0	0	0	1		1	
		TOTAL							30	3
DECAPOD	646	HIPPOLYTE PLEUROCANTHUS	0	1	0	0	0		1	
		TOTAL							1	<1
		TOTAL ORGANISMS	245	184	203	173	275		1080	
		TOTAL TAXA							55	

TABLE 39. STATION 6: MAJOR GROUPS----JUNE 1999									
		TAXA	1	2	3	4	5	TOTAL	%
CNIDARIA	100	THENARIA SP.	0	0	3	2	0	5	
		TOTAL						5	<1
PLATYHELMINTHES	200	STYLOCHUS ELIPTICUS	0	0	0	1	1	2	
		TOTAL						2	<1
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS	20	16	25	18	2	81	
	300	NEMERTEA SP.	0	1	1	2	1	5	
		TOTAL						86	4
POLYCHAETE	410	LAONEREIS CULVERI	20	14	19	19	16	88	
	410	LEITOSCOLOPLOS ROBUSTUS	16	20	18	12	11	77	
	410	CAPITELLA CAPITATA	9	25	9	7	4	54	
	410	ARICIDEA PHILBINA	3	0	7	1	4	15	
	410	ETEONE HETEROPODA	0	2	2	6	1	11	
	410	HOBSONIA FLORIDA	1	1	1	6	1	10	
	410	CHONE CF. AMERICANA	1	1	2	3	1	8	
	410	POLYDORA LIGNI	1	0	5	0	0	6	
	410	STENONINEREIS MARTINI	0	1	5	0	0	6	
	410	ARICIDEA SUECICA	3	0	0	0	0	3	
	410	HETEROMASTUS FILIFORMIS	0	0	0	0	2	2	
	410	FABRICINUDA TRILOBOTA	0	0	0	1	0	1	
	410	PODARKE OBSCURA	0	0	1	0	0	1	
		TOTAL						282	14
OLIGOCHAETE	420	THALASSODRILIDES GURWITSCHI	16	18	18	7	14	73	
	420	TUBIFICIDAE SP. W/OUT HAIRS	0	0	11	3	0	14	
		TOTAL						87	4
GASTROPOD	510	SAYELLA LAEVIGATA	9	3	4	1	0	17	
	510	GASTROPODA SP.	0	0	0	0	16	16	
	510	ODOSTOMIA NR. GIBBOSA	5	7	3	1	0	16	
	510	ACTEOCINA CANALICULATA	8	3	0	0	1	12	
	510	NUDIBRANCHIA SP. A	0	0	3	0	0	3	
		TOTAL						64	3
BIVALVE	520	MYSELLA PLANULATA	8	9	7	0	5	29	
	520	PARASTARTE TRIQUETRA	5	0	2	0	2	9	
		TOTAL						38	2
TANAID	643	HARGERIA REPAX	13	7	29	18	15	82	
		TOTAL						82	4
ISOPOD	644	ERICHSONIELLA ATTENUATA	5	2	9	11	6	33	

TABLE 39. STATION 6: MAJOR GROUPS----JUNE 1999									
		TAXA	1	2	REPLICATE		5		
					3	4		TOTAL	%
	644	HARRIETA FAXONI	1	1	5	3	0	10	
	644	CYATHURA POLITA	1	1	0	4	3	9	
	644	EDOTEA TRILOBA	0	1	1	1	0	3	
	644	XENANTHURA BREVITELSON	0	0	1	0	2	3	
		TOTAL						58	3
AMPHIPOD	645	AMPELISCA ABDITA	137	138	144	274	70	763	
	645	GRANDIDIERELLA BONNIEROIDES	86	33	63	135	43	360	
	645	COROPHIUM ELLISI	10	25	39	5	13	92	
	645	CERAPUS TUBULARIS	9	4	4	16	6	39	
	645	ELASMOPUS LEVIS	0	0	0	2	0	2	
	645	GAMMARUS MUCRONATUS	0	0	0	0	1	1	
		TOTAL						1257	64
		TOTAL ORGANISMS	387	333	441	559	241	1961	
		TOTAL TAXA						38	

TABLE 40. STATION 7: MAJOR GROUPS—JUNE 1999									
		TAXA	1	2	REPLICATE		5	TOTAL	%
CNIDARIA	100	THENARIA SP.	0	0	0	49	0	49	
		TOTAL						49	2
PLATYHELMINTHES	200	STYLOCHUS ELIPTICUS	0	0	0	6	1	7	
		TOTAL						7	<1
NEMERTEAN	300	NEMERTEA SP.	0	1	1	2	3	12	
	300	CF. TUBULANUS PELLUCIDUS	2	3	7	0	0	7	
		TOTAL						19	1
POLYCHAETE	410	CAPITELLA CAPITATA	16	59	52	7	4	138	
	410	POLYDORA LIGNI	2	0	13	10	11	36	
	410	HETEROMASTUS FILIFORMIS	1	18	10	0	0	29	
	410	SCOLELEPIS TEXANA	3	7	3	0	0	13	
	410	NEANTHES SUCCINEA	1	6	4	0	0	11	
	410	GENETYLLIS CASTANEA	0	0	1	6	3	10	
	410	ETEONE HETEROPODA	1	5	1	0	0	7	
	410	MELINNA MACULATA	0	3	1	0	0	4	
	410	LAONEREIS CULVERI	1	2	0	0	0	3	
	410	LEITOSCOLOPLOS ROBUSTUS	1	1	0	0	0	2	
	410	NEREIDAE SP.	0	0	1	0	1	2	
	410	EUNICIDAE SP.	0	0	1	0	0	1	
	410	FABRICINUDA TRILOBOTA	0	0	0	1	0	1	
	410	GRUBEOSYLLIS CLAVATA	0	0	0	0	1	1	
	410	MARPHYSA CF. SANGUINEA	0	0	1	0	0	1	
	410	PRIONOSPIO HETEROBRANCHIA	0	1	0	0	0	1	
		TOTAL						260	12
OLIGOCHAETE	420	THALASSODRILIDES GURWITSCHI	14	15	203	0	0	232	
		TOTAL						232	10
GASTROPOD	510	CREPIDULA PLANA	32	0	5	4	0	41	
		TOTAL						41	2
BIVALVE	520	CRASSOSTREA VIRGINICA	0	0	0	11	9	20	
	520	GEUKENSIA GRANOSISSIMA	0	0	0	15	1	16	
	520	MYSELLA PLANULATA	0	2	5	0	0	7	
		TOTAL						43	2
TANAID	643	HARGERIA REPAX	1	0	0	3	0	4	
		TOTAL						4	<1
ISOPOD	644	SPHAEROMA QUADRIDENTATUM	0	0	0	540	360	900	
		TOTAL						900	40

TABLE 40. STATION 7: MAJOR GROUPS---JUNE 1999									
		TAXA	1	2	REPLICATE		5	TOTAL	%
AMPHIPOD	645	PARAHYALE SP. A	0	0	0	420	180	600	
	645	MELITA NITIDA	10	2	1	0	0	13	
	645	GRANDIDIERELLA BONNIEROIDES	5	3	4	0	0	12	
	645	COROPHIUM SP. A	1	0	0	10	0	11	
	645	AMPELISCA HOLMESI	0	10	0	0	0	10	
	645	AMPELISCA ABDITA	0	0	3	0	0	3	
	645	GITANOPSIS SP.	1	0	0	0	0	1	
		TOTAL						650	29
DECAPOD	646	PANOPEUS HERBSTII	7	0	1	5	0	13	
	646	XANTHIDAE SP.	3	0	0	0	0	3	
	646	ALPHEUS ARMAILLATIS	1	0	0	0	0	1	
	646	HIPPOLYTE PLEUROCANTHUS	0	1	0	0	0	1	
	646	PETROLISTHES CF. ARMATUS	0	0	0	1		1	
		0						19	1
CIRRIPIDEA	647	BALANUS IMPROVISUS	1	0	1	0	6	8	
		TOTAL						8	<1
		TOTAL ORGANISMS	104	139	319	1090	580	2232	
		TOTAL TAXA						40	

TABLE 41 . STATION 8: MAJOR GROUPS----JUNE 1999									
		TAXA	1	2	REPLICATE				
					3	4	5	TOTAL	%
CNIDARIA	100	THENARIA SP.	20	15	17	4	6	62	
		TOTAL						62	15
PLATYHELMINTHES	200	STYLOCHUS ELLIPTICUS	3	5	7	0	2	17	
		TOTAL						17	4
NEMERTEAN	300	NEMERTEA SP.	7	12	11	5	13	48	
	300	CF. TUBULANUS PELLUCIDUS	0	0	0	1	0	1	
		TOTAL						49	12
POLYCHAETE	410	ARICIDEA PHILBINA	7	11	4	2	8	32	
	410	GLYCINDE SOLITARIA	2	4	3	6	6	21	
	410	CAPITELLA CAPITATA	8	6	0	2	4	20	
	410	ARMANDIA MACULATA	2	0	1	0	3	6	
	410	PODARKEOPSIS LEVIFUSCINA	0	0	2	1	2	5	
	410	SPIOCHAETOPTERUS C. OCULATUS	2	1	0	1	1	5	
	410	CIRRATULUS SP.	0	0	2	0	0	2	
	410	MEDIOMASTUS SP.	2	0	0	0	0	2	
	410	SCYPHOPROCTUS SP.	0	0	2	0	0	2	
	410	STHENELAIS SP. A	1	0	1	0	0	2	
	410	ARENICOLA CRISTATA	0	1	0	0	0	1	
	410	ASYCHIS ELONGATA	1	0	0	0	0	1	
	410	ETEONE HETEROPODA	0	0	1	0	0	1	
	410	EUMIDA SANGUINEA	0	1	0	0	0	1	
	410	GENETYLLIS CASTANEA	0	0	0	1	0	1	
	410	LEITOSCOLOPLOS ROBUSTUS	0	1	0	0	0	1	
	410	LUMBRINERIS TESTUDINUM	0	0	0	1	0	1	
	410	MEDIOMASTUS AMBISETA	0	0	1	0	0	1	
	410	PHYLLODOCE ARENAE	0	0	1	0	0	1	
	410	PRIONOSPIO HETEROBRANCHIA	0	0	0	1	0	1	
	410	SCOLELEPIS TEXANA	1	0	0	0	0	1	
		TOTAL						108	27
OLIGOCHAETE	420	THALASSODRILIDES GURWITSCHI	0	0	0	1	0	1	
		TOTAL						1	<1
GASTROPOD	510	ACTEOCINA CANALICULATA	0	5	0	0	0	5	
	510	PISANIA TINCTA	3	2	0	0	0	5	
	510	BITTIUM VARIUM	0	1	0	0	0	1	
		TOTAL						11	3
BIVALVE	520	MYSELLA PLANULATA	1	9	0	0	17	27	
	520	BIVALVIA SP.	0	0	5	8	1	14	
	520	TELLINA VERSICOLOR	2	3	0	1	1	7	

TABLE 41 . STATION 8: MAJOR GROUPS—JUNE 1999									
		TAXA	REPLICATE					TOTAL	%
			1	2	3	4	5		
	520	TAGELUS DIVISUS	1	0	2	0	0	3	
	520	TELLINA TAMPAENSIS	1	0	0	0	0	1	
		TOTAL						52	13
CUMACEA	641	OXYUROSTYLUS CF. SMITHI	1	0	0	3	2	6	
		TOTAL						6	1
TANAID	643	HALMYRAPSEUDES BAHAMENSIS	0	2	1	0	0	3	
	643	KALLIOPSEUDES SP.	2	0	0	0	0	2	
		TOTAL						5	1
ISOPOD	644	SPHAEROMA QUADRIDENTATUM	6	0	0	0	0	6	
	644	EDOTEA TRILOBA	0	0	0	4	0	4	
		TOTAL						10	2
AMPHIPOD	645	GRANDIDIERELLA BONNIEROIDES	5	7	11	4	5	32	
	645	AMPELISCA HOLMESI	9	4	6	4	7	30	
	645	LISTRIELLA BARNARDI	0	3	2	2	2	9	
	645	CERAPUS TUBULARIS	0	2	0	0	0	2	
	645	PARACAPRELLA TENUIS	0	2	0	0	0	2	
	645	PARAHYALE SP. A	2	0	0	0	0	2	
	645	AMPELISCA ABDITA	0	1	0	0	0	1	
	645	COROPHIUM SP. A	0	0	0	0	1	1	
		TOTAL						79	20
DECAPOD	646	XANTHIDAE SP.	1	1	0	0	0	2	
	646	PAGURIDAE SP.	0	1	0	0	0	1	
	646	PETROLISTHES CF. ARMATUS	1	0	0	0	0	1	
								4	1
		TOTAL ORGANISMS	91	100	80	52	81	404	
		TOTAL TAXA						50	

TABLE 42 . STATION 9: MAJOR GROUPS----JUNE 1999									
		TAXA	1	2	REPLICATE		5		
					3	4		TOTAL	%
PLATYHELMINTHES	200	STYLOCHUS ELLIPTICUS	0	1	1	0	1	3	
		TOTAL						3	<1
NEMERTEAN	300	NEMERTEA SP.	13	10	15	6	4	48	
	300	CF. TUBULANUS PELLUCIDUS	4	1	5	3	3	16	
		TOTAL						64	4
POLYCHAETE	410	ARICIDEA PHILBINA	44	35	37	22	13	151	
	410	CAPITELLA CAPITATA	7	16	11	10	7	51	
	410	SCOLELEPIS TEXANA	9	1	6	2	1	19	
	410	CHONE CF. AMERICANA	3	1	4	2	3	13	
	410	MEDIOMASTUS AMBISETA	0	1	5	5	0	11	
	410	GLYCINDE SOLITARIA	2	1	3	2	2	10	
	410	LEITOSCOLOPLOS ROBUSTUS	2	0	1	2	3	8	
	410	PRIONOSPIO HETEROBRANCHIA	3	0	1	1	2	7	
	410	SPIOCHAETOPTERUS C. OCULATUS	4	1	1	0	0	6	
	410	PODARKE OBSCURA	0	1	0	0	2	3	
	410	HOBSONIA FLORIDA	1	0	1	0	0	2	
	410	MEDIOMASTUS SP.	2	0	0	0	0	2	
	410	NOTOMASTUS HEMIPODUS	0	2	0	0	0	2	
	410	POLYDORA SOCIALIS	0	0	1	1	0	2	
	410	ARMANDIA MACULATA	0	0	1	0	0	1	
	410	ETEONE HETEROPODA	0	1	0	0	0	1	
	410	GLYCERA SP. C	1	0	0	0	0	1	
		TOTAL						290	20
OLIGOCHAETE	420	TUBICIDAE SP. W/OUT HAIRS	3	1	3	2	0	9	
	420	LIMNODRILOIDES RUBICUNDUS	4	0	0	0	0	4	
	420	TUBIFICOIDES BROWNAE	2	2	0	0	0	4	
	420	THALASSODRILIDES GURWITSCHI	1	0	0	0	1	2	
		TOTAL						19	1
GASTROPOD	510	ACTEOCINA CANALICULATA	16	17	16	4	2	55	
	510	ASTYRIS LUNATUS	0	0	1	0	5	6	
	510	ODOSTOMIA NR. GIBBOSA	1	0	3	1	0	5	
	510	BULLA STRIATA	1	1	0	0	1	3	
	510	ANACHIS OBESA	0	0	0	1	0	1	
	510	BITTIUM VARIUM	0	0	0	0	1	1	
	510	NASSARIUS VIBEX	0	1	0	0	0	1	
		TOTAL						72	5
BIVALVE	520	MYSELLA PLANULATA	11	8	12	6	27	64	
	520	PARASTARTE TRIQUETRA	9	6	11	6	5	37	
	520	TELLINA TAMPAENSIS	5	5	2	3	2	17	

TABLE 42 . STATION 9: MAJOR GROUPS----JUNE 1999									
		TAXA	1	2	REPLICATE				
					3	4	5	TOTAL	%
	520	AMYGDALUM PAPHIUM	0	0	0	1	1	2	
	520	TELLINA VERSICOLOR	0	0	0	0	2	2	
	520	TAGELUS DIVISUS	0	1	0	0	0	1	
		TOTAL						123	9
PYCNOGONID	630	CALLIPALLENE BREVIROSTRIS	0	0	0	0	3	3	
		TOTAL						3	<1
CUMACEA	641	OXYUROSTYLUS CF. SMITHI	0	0	1	0	0	1	
		TOTAL						1	<1
ISOPOD	644	EDOTEA TRILOBA	0	1	1	0	1	3	
	644	HARRIETA FAXONI	0	0	0	0	1	1	
	644	SPHAEROMA QUADRIDENTATUM	0	0	0	0	1	1	
		TOTAL						5	<1
AMPHIPOD	645	GRANDIDIERELLA BONNIEROIDES	197	114	153	184	180	828	
	645	AMPELISCA HOLMESI	2	2	3	2	1	10	
	645	CERAPUS TUBULARIS	1	4	4	0	1	10	
	645	PARACAPRELLA TENUIS	0	0	1	0	0	1	
		TOTAL						849	59
DECAPOD	646	DIOGENIDAE SP.	0	1	0	0	0	1	
	646	PANOPEUS HERBSTII	0	0	0	0	1	1	
	646	XANTHIDAE SP.	0	0	0	0	1	1	
		TOTAL						3	<1
HOLOTHUROIDEA	710	DENDROCHIROTIDA SP.	3	1	3	0	0	7	
	710	PARACAUDINA CHILENSIS	0	1	0	0	0	1	
		TOTAL						8	1
ASCIDACEA	1300	MOGULA ARENATA	0	2	0	0	0	2	
		TOTAL						2	<1
		TOTAL ORGANISMS	351	240	307	266	278	1442	
		TOTAL TAXA						52	

TABLE 43. STATION 10: MAJOR GROUPS—JUNE 1999									
		TAXA	1	2	REPLICATE		5		
					3	4		TOTAL	%
PLATYHELMINTHES	200	EUPLANA GRACILIS	3	1	0	0		4	
	200	STYLOCHUS ELLIPTICUS	0	1	0	0		1	
		TOTAL						5	1
NEMERTEAN	300	NEMERTEA SP.	5	0	3	2		10	
		TOTAL						10	1
POLYCHAETE	410	POLYDORA SOCIALIS	0	0	19	1		20	
	410	AXIOHELLA MUCOSA	0	0	0	12		12	
	410	GLYCIDAE SOLITARIA	4	3	3	1		11	
	410	MAGELONA PETTIBONEAE	1	3	0	4		8	
	410	NEREIDAE SP.	1	0	6	0		7	
	410	ARICIDEA PHILBINA	2	3	0	1		6	
	410	NEREIS FALSA	0	0	6	0		6	
	410	ARMANDIA MACULATA	2	1	0	0		3	
	410	CAPITELLA CAPITATA	3	0	0	0		3	
	410	CAPITELLA JONESI	0	0	2	1		3	
	410	DIOPATRA CUPREA	0	1	0	2		3	
	410	GLYCERA SP. C	0	0	2	1		3	
	410	GRUBEOSYLLIS CLAVATA	0	0	0	3		3	
	410	PARAPRIONOSPION PINNATA	1	0	1	0		2	
	410	SCOLELEPIS TEXANA	0	2	0	0		2	
	410	PODARKEOPSIS LEVIFUSCINA	0	1	0	0		1	
	410	PRIONOSPION HETEROBRANCHIA	0	0	1	0		1	
	410	SPIONIDAE SP.	0	0	1	0		1	
	410	SYLLIDAE SP.	1	0	0	0		1	
		TOTAL						96	14
OLIGOCHAETE	420	TUBICIDAE SP. W/OUT HAIRS	9	1	1	18		29	
	420	LIMNODRILOIDES RUBICUNDUS	0	1	6	0		7	
	420	LIMNODRILOIDES BARNARDI	0	0	0	1		1	
		TOTAL						37	5
GASTROPOD	510	ASTYRIS LUNATUS	8	0	5	18		31	
	510	CREPIDULA MACULATA	0	0	2	1		3	
	510	LUCINIDAE SP.	0	2	0	1		3	
	510	NASSARIUS VIBEX	2	0	0	0		2	
	510	PISANIA TINCTA	1	1	0	0		2	
	510	ANACHIS OBESA	0	0	0	1		1	
	520	ANADARA TRANSVERSA	0	0	0	1		1	
	510	BITTUM VARIUM	0	0	0	1		1	
	510	BOONEA IMPRESSA	1	0	0	0		1	
		TOTAL						45	7

TABLE 43. STATION 10: MAJOR GROUPS-----JUNE 1999									
		TAXA	1	2	3	4	5	TOTAL	%
BIVALVE	520	MYSELLA PLANULATA	94	4	28	4		130	
	520	TELLINA TAMPAENSIS	0	1	1	3		5	
	520	ANADARA TRANSVERSA	0	0	0	1		1	
	510	ANOMALOCARDIA AUBERIANA	0	1	0	0		1	
	520	LAEVICARDIUM MORTONI	1	0	0	0		1	
		TOTAL						138	20
CUMACEA	641	OXYUROSTYLUS CF. SMITHI	3	9	0	1		13	
	641	CYCLASPIS VARIANS	0	1	0	0		1	
		TOTAL						14	2
MYSID	642	AMERICAMYSIS BAHIA	2	0	0	0		2	
		TOTAL						2	<1
TANAID	643	HARGERIA REPAX	0	0	0	2		2	
	643	HALMYRAPSEUDES BAHAMENSIS	1	0	0	0		1	
		TOTAL						3	<1
ISOPOD	644	CYATHURA POLITA	0	2	6	0		8	
	644	ERICHSONIELLA ATTENUATA	1	0	0	2		3	
	644	AMAKUSANTHURUS MAGNIFICA	1	0	0	0		1	
		TOTAL						12	2
AMPHIPOD	645	ACANTHOHAUSTORIUS MILLERSI	185	18	19	0		222	
	645	SYNCHELIDIUM AMERICANUM	3	0	7	1		11	
	645	CYMADEUSA COMPTA	0	0	0	10		10	
	645	AMPELISCA ABDITA	0	0	7	2		9	
	645	ELASMOPUS LEVIS	0	0	0	9		9	
	645	GITANOPSIS SP.	4	0	2	2		8	
	645	CERAPUS TUBULARIS	1	0	1	5		7	
	645	LEMBOS WEBSTERI	0	0	0	7		7	
	645	ACUMINODEUTOPUS NAGLEI	4	2	0	0		6	
	645	AMPELISCA HOLMESI	3	0	0	0		3	
	645	ERICHTHONIUS RUBICORNIS	0	0	2	0		2	
	645	LISTRIELLA BARNARDI	2	0	0	0		2	
	645	COROPHIUM SP. A	0	0	0	1		1	
		TOTAL						297	44
DECAPOD	646	PAGURUS CF. STIMPSONI	4	1	0	6		11	
	646	AMBIDEXTER SYMMETRICUS	0	0	1	0		1	
	646	HIPPOLYTE PLEUROCANTHUS	1	0	0	0		1	
	646	TOZEUMA CAROLINENSE	1	0	0	0		1	
		TOTAL						14	2

TABLE 43. STATION 10: MAJOR GROUPS--JUNE 1999									
		TAXA	1	2	3	4	5	TOTAL	%
ECHINODERM	700	MELLITA QUINQUEISPERFORATA	0	1	0	0		1	
		TOTAL						1	<1
ASCIDACEA	1300	MOGULA ARENATA	1	3	0	4		8	
		TOTAL						8	1
		TOTAL ORGANISMS	356	64	132	130		682	
		TOTAL TAXA						65	

TABLE 44. STATION 1: MAJOR GROUPS---SEPTEMBER 1999											
		TAXA	1	2	REPLICATE		3	4	5	TOTAL	%
CNIDARIA	100	THENARIA SP.	0	0	0	0	0	0	3	3	
		TOTAL								3	<1
NEMERTEA	300	NEMERTEA SP.	1	1	0	0	0	0	0	2	
		TOTAL								2	<1
POLYCHAETE	410	POLYDORA SOCIALIS	55	5	5	15	14			94	
	410	CAPITELLA CAPITATA	0	2	1	0	2			5	
	410	NEREIDAE SP.	1	0	0	1	2			4	
	410	GENETYLLIS CASTANEA	1	2	0	1	0			4	
	410	MARPHYSA CF. SANGUINEA	0	2	0	1	1			4	
	410	ARICIDEA PHILBINA	3	0	0	0	0			3	
	410	FABRICINUDA TRILOBOTA	3	0	0	0	0			3	
	410	EHLERSIA CORNUTA	2	0	1	0	0			3	
	410	NEMATONEREIS HEBES	1	1	0	0	0			2	
	410	NEREIS GRAYI	0	0	0	1	1			2	
	410	ONUPHIDAE SP.	0	0	0	0	1			1	
	410	PHYLLODOCIDAE SP.	0	0	1	0	0			1	
	410	NEREIS FALSA	0	0	0	1	0			1	
	410	STREBLOSPIO BENEDICTI	0	0	0	1	0			1	
	410	NEREIS LAMELLOSA	0	0	1	0	0			1	
		TOTAL								129	8
OLIGOCHAETE	420	THALASSODRILIDES GURWITSCHI	0	146	1	2	4			153	
		TOTAL								153	9
GASTROPOD	510	PYRGOCYTHARA PLICOSA	6	1	2	0	3			12	
	510	BOONEA IMPRESSA	0	8	0	0	1			9	
	510	ASTYRIS LUNATUS	0	8	0	0	0			8	
	510	ANACHIS OBESA	1	0	0	0	2			3	
	510	CERITHIOPSIS GREENI	1	1	0	0	0			2	
	510	VITRINELLA CF. FLORIDANA	0	1	0	0	0			1	
	510	CREPIDULA PLANA	0	0	0	1	0			1	
	510	NASSARIUS VIBEX	0	1	0	0	0			1	
		TOTAL								37	2
BIVALVE	520	CRASSOSTREA VIRGINICA	4	0	0	2	1			7	
	520	GEUKENSIA GRANOSISSIMA	0	2	0	1	0			3	
	520	LYONSIA FLORIDANA	0	0	0	1	1			2	
	520	ISCHADIUM RECURVUM	0	0	0	2	0			2	
	520	ANOMIA SIMPLEX	0	0	0	2	0			2	
	520	OSTREA EQUESTIS	0	0	0	1	0			1	
	520	LUCINA NASSULA	0	1	0	0	0			1	
	520	ANADARA NOTABALIS	0	0	0	0	1			1	

TABLE 44.		STATION 1: MAJOR GROUPS—SEPTEMBER 1999								
		TAXA	1	2	REPLICATE				TOTAL	%
		TOTAL			3	4	5		19	1
TANAID	643	HARGERIA REPAX	13	32	4	24	3		76	
		TOTAL							76	
ISOPOD	644	UROMUNNA HAYESI	1	0	0	0	0		1	
	644	XENANTHURA BREVITELSON	1	0	0	0	0		1	
	644	HARRIETA FAXONI	0	1	0	0	0		1	
		TOTAL							3	<1
AMPHIPOD	645	MELITA NITIDA	49	241	46	369	269		974	
	645	GITANOPSIS SP.	9	23	0	14	5		51	
	645	CYMADEUSA COMPTA	0	41	0	2	2		45	
	645	GRANDIDIERELLA BONNIEROIDES	5	4	1	16	1		27	
	645	COROPHIUM SP. A	21	1	1	0	3		26	
	645	PARACAPRELLA TENUIS	0	11	0	0	0		11	
	645	AMPHIPODA SP. A	0	0	2	2	3		7	
	645	ERICHTHONIUS RUBICORNIS	0	3	0	0	0		3	
		TOTAL							1144	69
DECAPOD	646	PETROLISTHES CF. ARMATUS	2	10	5	7	18		42	
	646	PANOPEUS HERBSTII	1	15	3	5	8		32	
	646	ALPHEUS ARMAILLATIS	0	2	0	4	2		8	
		TOTAL							82	5
CIRRIPEDIA	647	BALANUS IMPROVISUS	4	0	0	1	0		5	
		TOTAL							5	<1
		TOTAL TORGANISMS	185	566	74	477	351		1653	
		TOTAL TAXA							53	

TABLE 45.	STATION 2: MAJOR GROUPS---SEPTEMBER 1999								
			REPLICATE						
		TAXA	1	2	3	4	5	TOTAL	%
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS	2	4	0	1	0	7	
	300	NEMERTEA SP.	2	0	1	0	0	3	
		TOTAL						10	1
POLYCHAETE	410	LAONEREIS CULVERI	36	30	59	48	29	202	
	410	ARICIDEA PHILBINA	27	23	27	46	10	133	
	410	CAPITELLA CAPITATA	4	4	7	22	0	37	
	410	LEITOSCOLOPLOS ROBUSTUS	7	6	9	11	2	35	
	410	HETEROMASTUS FILIFORMIS	0	4	7	3	2	16	
	410	STREBLOSPIO BENEDICTI	4	1	1	3	6	15	
	410	ETEONE HETEROPODA	0	0	2	7	1	10	
	410	HOBSONIA FLORIDA	4	1	1	0	0	6	
	410	MELINNA MACULATA	1	2	0	0	0	3	
	410	MARPHYSA CF. SANGUINEA	0	0	0	1	0	1	
		TOTAL						458	68
OLIGOCHAETE	420	TUBIFICIDAE SP. W/OUT HAIRS	0	0	1	5	5	11	
	420	THALASSODRILIDES GURWITSCHI	0	0	0	3	3	6	
		TOTAL						17	3
GASTROPOD	510	ACTEOCINA CANALICULATA	1	1	4	1	0	7	
	510	SAYELLA LAEVIGATA	3	1	0	0	1	5	
	510	ASSIMINEA SUCCINEA	0	0	1	0	0	1	
		TOTAL						13	2
PELECYPOD	520	TELLINA TAMPAENSIS	2	0	0	1	1	4	
	520	MYSELLA PLANULATA	0	0	1	0	0	1	
	520	BIVALVIA SP.	0	0	0	1	0	1	
	520	MACOMA CONSTRICTA	1	0	0	0	0	1	
		TOTAL						7	1
TANAID	643	HARGERIA REPAX	3	3	21	12	85	124	
		TOTAL						124	19
ISOPOD	644	XENANTHURA BREVITELSON	10	1	3	3	6	23	
	644	ERICHSONIELLA ATTENUATA	0	0	0	0	1	1	
		TOTAL						24	4
AMPHIPOD	645	CYMA DUSA COMPTA	0	1	1	0	6	8	
	645	AMPELISCA ABDITA	0	0	1	0	0	1	
	645	COROPHIUM SP. A	0	0	0	0	1	1	
	645	GRANDIDIERELLA BONNIEROIDES	0	0	0	0	1	1	
		TOTAL						11	2

TABLE 45.		STATION 2: MAJOR GROUPS---SEPTEMBER 1999								
				REPLICATE						
		TAXA	1	2	3	4	5		TOTAL	%
CIRRIPEDIA	647	BALANUS IMPROVISUS	0	0	0	1	4		5	
		TOTAL							5	1
		TOTAL ORGANISMS	107	82	147	169	164		669	
		TOTAL TAXA							29	

TABLE 46.		STATION 3: MAJOR GROUPS---SEPTEMBER 1999								
		TAXA	1	2	REPLICATE				TOTAL	%
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS	1	0	3	11	1		16	
									16	5
POLYCHAETE	410	CAPITELLA CAPITATA	0	0	0	6	1		7	
	410	HETEROMASTUS FILIFORMIS	3	0	0	1	0		4	
	410	LAONEREIS CULVERI	1	0	0	3	0		4	
	410	POLYDORA LIGNI	0	2	0	0	0		2	
	410	SERPULIDAE SP. A	0	2	0	0	0		2	
	410	LEITOSCOLOPLOS ROBUSTUS	0	0	0	1	0		1	
									20	6
OLIGOCHAETE	420	TUBIFICIDAE SP. W/OUT HAIRS	19	0	19	0	0		38	
	420	THALASSODRILIDES GURWITSCHI	6	0	7	0	0		13	
									51	17
GASTROPOD	510	HYDROBIIDAE SP.	5	15	1	4	3		28	
	510	ACTEOCINA CANALICULATA	0	3	0	0	0		3	
	510	MELONGENA CORONA	0	0	0	0	1		1	
									32	10
PELECYPOD	520	MYTILOPSIS LEUKOPHAETA	0	11	0	4	0		15	
	520	GEUKENSIA GRANOSISSIMA	0	13	0	0	1		14	
	520	ISCHADIUM RECURVUM	0	6	0	0	0		6	
	520	AMYGDALUM PAPHIUM	0	3	0	0	0		3	
	520	CRASSOSTREA VIRGINICA	0	3	0	0	0		3	
	520	TAGELUS DIVISUS	1	0	0	0	0		1	
		TOTAL							42	14
TANAID	643	HARGERIA REPAX	0	20	1	1	0		22	
		TOTAL							22	7
ISOPOD	644	ERICHSONIELLA ATTENUATA	0	4	0	0	1		5	
	644	SPHAEROMA QUADRIDENTATUM	0	1	0	0	1		2	
	644	CYATHURA POLITA	0	0	0	1	0		1	
	644	HARRIETA FAXONI	0	1	0	0	0		1	
		TOTAL							9	3
AMPHIPOD	645	CYMAUSA COMPTA	0	10	2	0	1		13	
	645	MELITA NITIDA	0	8	0	0	1		9	
	645	COROPHIUM SP. A	0	8	0	0	0		8	
	645	GITANOPSIS SP.	0	6	0	0	0		6	
	645	CERAPUS SP.A	0	2	0	0	0		2	
		TOTAL							38	12

TABLE 46. STATION 3: MAJOR GROUPS—SEPTEMBER 1999									
		TAXA	1	2	3	4	5	TOTAL	%
DECAPOD	646	PALAEEMONETES PUGIO	0	37	0	0	1	38	
	646	EURYPANOPEUS DEPRESSUS	0	4	0	0	0	4	
	646	PANOPEUS HERBSTII	0	1	0	0	1	2	
	646	PENAEUS DUORARUM	0	1	0	0	0	1	
		TOTAL						45	15
CIRRIPIEDIA	647	BALANUS IMPROVISUS	0	33	0	0	0	33	
		TOTAL						33	11
		TOTAL ORGANISMS	36	194	33	32	13	308	
		TOTAL TAXA						33	

TABLE 47. STATION 4: MAJOR GROUPS—SEPTEMBER 1999									
		TAXA	1	2	REPLICATE				
					3	4	5	TOTAL	%
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS	3	3	2	7	4	19	
	300	NEMERTEA SP.	2	1	1	0	1	5	
		TOTAL						24	5
POLYCHAETE	410	CAPITELLA CAPITATA	9	12	31	21	10	83	
	410	ARICIDEA PHILBINA	21	3	20	17	17	78	
	410	LAONEREIS CULVERI	8	12	24	11	7	62	
	410	LEITOSCOLOPLOS ROBUSTUS	5	0	8	8	2	23	
	410	STREBLOSPIO BENEDICTI	3	6	4	2	1	16	
	410	HOBSONIA FLORIDA	0	0	1	1	1	3	
	410	MELINNA MACULATA	0	3	0	0	0	3	
	410	HETEROMASTUS FILIFORMIS	0	2	0	0	0	2	
	410	ETEONE HETEROPODA	0	0	1	0	0	1	
	410	MARPHYSA SP.B	0	1	0	0	0	1	
		TOTAL						272	56
GASTROPOD	510	ACTEOCINA CANALICULATA	8	4	15	17	2	46	
	510	HYDROBIIDAE SP.	1	0	3	1	0	5	
	510	ASTYRIS LUNATUS	1	1	0	0	0	2	
	510	CREPIDULA MACULATA	0	0	0	1	0	1	
	510	SAYELLA LAEVIGATA	0	0	0	1	0	1	
		TOTAL						55	11
PELECYPOD	520	TELLINA TAMPAENSIS	4	1	2	1	2	10	
	520	PARASTARTE TRIQUETRA	3	0	4	0	0	7	
	520	MACOMA CONSTRICTA	0	0	0	1	0	1	
	520	TAGELUS DIVISUS	0	0	0	1	0	1	
		TOTAL						19	4
CUMACEAN	641	CYCLASPIS VARIANS	0	0	0	1	0	1	
		TOTAL						1	<1
MYSID	642	BOWMANIELLA SP.	1	0	0	0	0	1	
		TOTAL						1	<1
TANAID	643	HARGERIA REPAX	0	0	0	0	7	7	
		TOTAL						7	1
ISOPOD	644	XENANTHURA BREVITELSON	11	14	26	5	15	71	
	644	ERICHSONIELLA ATTENUATA	0	5	0	0	0	5	
	644	CYATHURA POLITA	0	2	0	0	0	2	
		TOTAL						78	16
AMPHIPOD	645	CYMAIDUSA COMPTA	1	7	4	0	0	12	

TABLE 47.		STATION 4: MAJOR GROUPS—SEPTEMBER 1999							
		TAXA	1	2	REPLICATE		5	TOTAL	%
	645	AMPELISCA ABDITA	0	1	0	2	0	3	
	645	AMPELISCA HOLMESI	0	0	1	0	2	3	
	645	CERAPUS SP.A	0	1	0	0	0	1	
		TOTAL						19	4
CIRRIPIEDIA	647	BALANUS IMPROVISUS	0	4	0	0	1	5	
		TOTAL						5	1
INSECT	651	POLYPEDILUM SCALAENUM	0	0	2	1	1	4	
		TOTAL						4	1
		TOTAL ORGANISMS	81	83	149	99	73	485	
		TOTAL TAXA						33	

TABLE 48.	STATION 5: MAJOR GROUPS---SEPTEMBER 1999											
		TAXA	1	2	REPLICATE		3	4	5		TOTAL	%
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS	3	3	8	5	9				28	
	300	NEMERTEA SP.	0	8	7	5	2				22	
		TOTAL									50	3
POLYCHAETE	410	STREBLOSPIO BENEDICTI	77	5	3	7	5				97	
	410	CAPITELLA CAPITATA	11	6	21	11	15				64	
	410	FABRICINUDA TRILOBOTA	17	5	1	0	0				23	
	410	ARICIDEA PHILBINAE	1	1	6	1	0				9	
	410	LAONEREIS CULVERI	0	1	0	4	3				8	
	410	LEITOSCOLOPLOS ROBUSTUS	0	0	1	1	1				3	
	410	MELINNA MACULATA	0	0	3	0	0				3	
	410	ETEONE HETEROPODA	0	1	0	0	1				2	
	410	HOBSONIA FLORIDA	1	1	0	0	0				2	
	410	HETEROMASTUS FILIFORMIS	0	0	1	0	0				1	
	410	MARPHYSA CF. SANGUINEA	0	0	0	0	1				1	
		TOTAL									213	11
OLIGOCHAETE	420	TUBIFICIDAE SP. W/OUT HAIRS	0	0	6	0	2				8	
		TOTAL									8	<1
GASTROPOD	510	ACTEOCINA CANALICULATA	20	28	18	14	19				99	
	510	HYDROBIIDAE SP.	0	4	2	0	1				7	
	510	NUDIBRANCHIA SP. A	0	0	1	0	0				1	
		TOTAL									107	5
PELECYPOD	520	PARASTARTE TRIQUETRA	8	18	11	10	4				51	
	520	TELLINA TAMPAENSIS	5	9	7	10	1				32	
	520	TAGELUS DIVISUS	3	9	4	0	1				17	
	520	AMYGDALUM PAPYRIUM	2	0	3	0	2				7	
	520	MACOMA TENTA	2	0	2	1	0				5	
		TOTAL									112	6
CUMACEAN	641	CYCLASPIS VARIANS	5	5	0	9	5				24	
	641	ALMYRACUMA PROXIMOCULI	0	1	1	0	0				2	
	641	OXYUROSTYLUS CF. SMITHI	2	0	0	0	0				2	
		TOTAL									28	1
MYSID	642	BOWMANIELLA SP.	4	3	2	1	6				16	
		TOTAL									16	1
TANAID	643	HARGERIA REPAX	2	2	3	8	1				16	
		TOTAL									16	1
ISOPOD	644	XENANTHURA BREVITELSON	11	14	12	13	3				53	

TABLE 48. STATION 5: MAJOR GROUPS--SEPTEMBER 1999	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

TABLE 48.	STATION 5: MAJOR GROUPS---SEPTEMBER 1999				REPLICATE				
		TAXA	1	2	3	4	5	TOTAL	%
	644	EDOTEA TRILOBA	2	0	1	2	0	5	
		TOTAL						58	3
AMPHIPOD	645	CERAPUS SP.A	200	90	248	552	144	1234	
	645	AMPELISCA ABDITA	7	31	11	34	22	105	
	645	AMPELISCA HOLMESI	13	7	1	0	0	21	
	645	GRANDIDIERELLA BONNIEROIDES	0	0	0	1	0	1	
		TOTAL						1361	69
		TOTAL ORGANISMS	396	252	384	689	248	1969	
		TOTAL TAXA						33	

TABLE 49.		STATION 6: MAJOR GROUPS—SEPTEMBER 1999								
		TAXA	1	2	REPLICATE			5	TOTAL	%
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS	18	8	15	12	13		66	
	300	NEMERTEA SP.	0	1	0	0	0		1	
		TOTAL							67	20
POLYCHAETE	410	LEITOSCOLOPLOS ROBUSTUS	6	2	3	1	3		15	
	410	CAPITELLA CAPITATA	1	3	2	4	1		11	
	410	ARICIDEA PHILBINA	0	2	1	0	2		5	
	410	HETEROMASTUS FILIFORMIS	2	1	0	1	1		5	
	410	HOBSONIA FLORIDA	2	1	0	0	1		4	
	410	LAONEREIS CULVERI	0	1	1	0	1		3	
	410	GENETYLLIS CASTANEA	0	0	1	0	0		1	
	410	MELINNA MACULATA	0	0	0	0	1		1	
		TOTAL							45	13
OLIGOCHAETE	420	LIMNODRILIDES RUBICUNDUS	7	14	0	102	9		132	
	420	THALASSODRILIDES GURWITSCHI	1	5	0	2	0		8	
	420	TUBIFICIDAE SP. W/OUT HAIRS	1	0	0	0	0		1	
		TOTAL							141	41
GASTROPOD	510	ODOSTOMIA NR. GIBBOSA	0	6	1	3	0		10	
	510	ACTEOCINA CANALICULATA	1	1	2	0	0		4	
	510	SAYELLA CROSSEANA	1	0	0	0	0		1	
		TOTAL							15	4
PELECYPOD	520	PARASTARTE TRIQUETRA	4	4	1	3	1		13	
	520	TELLINA TAMPAENSIS	5	2	4	1	0		12	
	520	TAGELUS DIVISUS	0	0	0	1	2		3	
	520	ANOMALOCARDIA AUBERIANA	0	0	0	0	1		1	
		TOTAL							29	9
	643	HARGERIA REPAX	4	3	1	0	2		10	
		TOTAL							10	3
ISOPOD	644	XENANTHURA BREVITELSON	4	1	0	0	1		6	
	644	CYATHURA POLITA	0	1	0	0	0		1	
	644	EDOTEA TRILOBA	0	0	1	0	0		1	
		TOTAL							8	2
AMPHIPOD	645	GRANDIDIERELLA BONNIERIDES	2	6	1	0	1		10	
	645	COROPHIUM ELLISI	5	0	4	0	0		9	
	645	CERAPUS SP. A	1	0	1	0	2		4	
	645	AMPELISCA ABDITA	0	1	1	0	0		2	
	645	COROPHIUM SP. A	1	0	0	0	0		1	
		TOTAL							26	8

TABLE 49. STATION 6: MAJOR GROUPS---SEPTEMBER 1999									
					REPLICATE				
		TAXA	1	2	3	4	5		TOTAL %
		TOTAL ORGANISMS	66	63	40	130	42		341
		TOTAL TAXA							29

TABLE 50. STATION 7: MAJOR GROUPS—SEPTEMBER 1999									
		TAXA	1	2	REPLICATE		5	TOTAL	%
CNIDARIA	100	THENARIA SP.	7	0	0	0	0	7	
		TOTAL						7	1
PLATYHELMINTES	200	STYLOCHUS ELLIPTICUS	5	0	0	0	1	6	
		TOTAL						6	1
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS	2	2	0	0	2	6	
		TOTAL						6	1
POLYCHAETE	410	NEANTHES SUCCINEA	40	0	4	1	2	47	
	410	POLYDORA LIGNI	12	0	1	0	2	15	
	410	GENETYLLIS CASTANEA	11	0	0	0	1	12	
	410	MAGELONA PETTIBONEAE	1	1	0	0	0	2	
	410	LEITOSCOLOPLOS ROBUSTUS	0	1	0	0	0	1	
	410	PODARKEOPSIS LEVIFUSCINA	0	1	0	0	0	1	
	410	STREBLOSPIO BENEDICTI	0	1	0	0	0	1	
		TOTAL						79	11
OLIGOCHAETE	420	TUBIFICIDAE SP. W/OUT HAIRS	0	9	0	1	1	11	
	420	THALASSODRILIDES GURWITSCHI	0	3	0	7	0	10	
		TOTAL						21	3
GASTROPOD	510	BITTIUM VARIUM	92	3	23	1	35	154	
	510	ASTYRIS LUNATUS	43	2	17	7	17	86	
	510	NASSARIUS ALBUS	5	1	3	2	11	22	
	510	BOONEA IMPRESSA	3	3	1	1	2	10	
	510	CREPIDULA PLANA	5	0	1	0	0	6	
	510	ACTEOCINA CANALICULATA	3	1	1	0	0	5	
	510	CREPIDULA MACULATA	1	0	0	0	2	3	
	510	NUDIBRANCHIA SP. A	0	0	1	0	2	3	
	510	VITRINELLA CF. FLORIDANA	0	3	0	0	0	3	
	510	NASSARIUS VIBEX	0	0	2	0	0	2	
	510	ODOSTOMIA NR. GIBBOSA	0	0	1	0	0	1	
		TOTAL						295	43
PELECYPOD	520	ISCHADIUM RECURVUM	24	0	1	0	1	26	
	520	CRASSOSTREA VIRGINICA	18	1	0	0	0	19	
	520	AMYGDALUM PAPHYRIUM	0	0	2	0	0	2	
	520	TELLINA TAMPAENSIS	0	0	1	0	0	1	
		TOTAL						48	7
AMPHIPOD	645	CYMA DUSA COMPTA	8	3	12	3	15	41	
	645	MELITA NITIDA	5	0	0	0	6	11	
	645	GRANDIDIERELLA BONNIEROIDES	3	0	2	0	4	9	

TABLE	50.	STATION 7: MAJOR GROUPS---SEPTEMBER 1999							
		TAXA	1	2	REPLICATE		5	TOTAL	%
	645	ERICHTHONIUS RUBICORNIS	0	7	1	0	0	8	
	645	GITANOPSIS SP.	1	0	1	0	2	4	
	645	BATEA CATHERINENSIS	1	0	0	0	0	1	
		TOTAL						74	11
DECAPOD	646	EURYPANOPEUS DEPRESSUS	58	1	12	2	26	99	
	646	PAGURIDAE SP.	8	0	0	0	3	11	
	646	PETROLISTHES CF. ARMATUS	10	0	1	0	0	11	
	646	PALAEEMONETES PUGIO	1	0	5	0	3	9	
	646	EURYTIUM LIMOSUM	0	0	0	0	1	1	
		TOTAL						131	19
CIRRIPIEDIA	647	BALANUS IMPROVISUS	10	0	2	0	15	27	
		TOTAL						27	4
		TOTAL ORGANISMS	377	43	95	25	154	694	
		TOTAL TAXA						39	

TABLE 51.		STATION 8: MAJOR GROUPS---SEPTEMBER 1999				REPLICATE		TOTAL	%
		TAXA	1	2	3	4	5		
NEMERTEAN	300	NEMERTEA SP.	0	0	0	0	1	1	
		TOTAL						1	<1
POLYCHAETE	410	CAPITELLA CAPITATA	2	24	9	7	7	49	
	410	LAONEREIS CULVERI	2	16	8	3	5	34	
	410	MAGELONA PETTIBONEAE	3	7	7	10	3	30	
	410	STREBLOSPIO BENEDICTI	1	5	1	1	2	10	
	410	GLYCIDINDE SOLITARIA	2	2	1	0	0	5	
	410	ARICIDEA PHILBINAE	0	2	0	0	2	4	
	410	CAPITELLA JONESI	4	0	0	0	0	4	
	410	SPIOCHAETOPTERUS C. OCULATUS	0	0	4	0	0	4	
	410	ETEONE HETEROPODA	0	1	1	0	1	3	
	410	ASYCHIS ELONGATA	0	1	0	0	0	1	
	410	NEANTHES SUCCINEA	0	1	0	0	0	1	
	410	PRIONOSPION HETEROBRANCHIA	0	0	0	1	0	1	
	410	SCOLOPLOS RUBRA	1	0	0	0	0	1	
		TOTAL						147	43
OLIGOCHAETE	420	LIMNODRILOIDES RUBICUNDUS	1	0	0	0	0	1	
	420	TECTIDRILUS SQUALIDUS	0	1	0	0	0	1	
		TOTAL						2	1
GASTROPOD	510	BITTUM VARIUM	17	43	5	17	5	87	
	510	HYDROBIIDAE SP.	12	7	0	1	0	20	
	510	ASTYRIS LUNATUS	1	2	0	3	2	8	
	510	ACTEOCINA CANALICULATA	0	2	1	3	1	7	
	510	CAECUM PULCHELLUM	0	2	0	0	0	2	
	510	HAMINOEA SUCCINEA	0	1	0	1	0	2	
	510	SAYELLA LAEVIGATA	0	0	0	0	2	2	
	510	BOONEA IMPRESSA	1	0	0	0	0	1	
		TOTAL						129	38
PELECYPOD	520	TELLINA TAMPAENSIS	4	5	0	0	1	10	
		TOTAL						10	3
CUMACEAN	641	CYCLASPIS VARIANS	1	1	3	1	1	7	
	641	OXYUROSTYLUS CF. SMITHI	1	1	2	1	0	5	
		TOTAL						12	
MYSID	642	AMERICAMYSIS ALMYRA	1	0	0	0	0	1	
	642	AMERICAMYSIS BAHIA	5	1	0	1	0	7	
	642	BOWMANIELLA SP.	1	1	0	2	2	6	
		TOTAL						14	4

TABLE 51. STATION 8: MAJOR GROUPS---SEPTEMBER 1999									
			REPLICATE						
		TAXA	1	2	3	4	5	TOTAL	%
AMPHIPOD	645	CYMATUSA COMPTA	1	0	0	0	0	1	
		TOTAL						1	<1
CIRRIPIEDIA	647	BALANUS IMPROVISUS	3	21	0	3	1	28	
		TOTAL						28	8
		TOTAL ORGANISMS	64	147	42	55	36	344	
		TOTAL TAXA						32	

TABLE 52.		STATION 9: MAJOR GROUPS---SEPTEMBER 1999								
		TAXA	1	2	REPLICATE		5		TOTAL	%
NEMERTEAN	300	CF. TUBULANUS PELLUCIDUS	0	2	0	0	4		6	
	300	NEMERTEA SP.	1	3	1	1	0		6	
		TOTAL							12	2
POLYCHAETE	410	ARICIDEA PHILBINA	5	3	7	11	11		37	
	410	LAONEREIS CULVERI	4	5	5	10	6		30	
	410	CAPITELLA CAPITATA	2	1	2	5	9		19	
	410	ETEONE HETEROPODA	0	3	0	1	3		7	
	410	MELINNA MACULATA	3	0	2	0	0		5	
	410	MONTICELLINA DORSOBRANCHIALIS	0	0	0	3	0		3	
	410	LEITOSCOLOPLOS ROBUSTUS	0	1	0	1	0		2	
	410	GLYCIDINDE SOLITARIA	1	0	0	0	0		1	
	410	HOBSONIA FLORIDA	0	0	0	0	1		1	
		TOTAL							105	22
OLIGOCHAETE	420	TUBIFICIDAE SP. W/OUT HAIRS	10	20	31	23	21		105	
	420	TUBIFICOIDES BROWNAE	17	7	0	10	13		47	
		TOTAL							152	31
GASTROPOD	510	HYDROBIIDAE SP.	3	2	2	0	13		20	
	510	ACTEOCINA CANALICULATA	3	1	2	0	1		7	
	510	BULLA STRIATA	2	2	0	1	1		6	
	510	ASTYRIS LUNATUS	2	0	0	0	1		3	
	510	BITTIUM VARIUM	2	0	0	0	1		3	
	510	VITRINELLA CF. FLORIDANA	2	0	0	0	0		2	
	510	ANOMALOCARDIA AUBERIANA	0	0	0	1	0		1	
	510	NASSARIUS ALBUS	1	0	0	0	0		1	
		TOTAL							43	9
PELECYPOD	520	PARASTARTE TRIQUETRA	25	9	10	9	16		69	
	520	TELLINA TAMPAENSIS	3	8	4	6	3		24	
	520	AMYGDALUM PAPHIUM	0	0	0	0	1		1	
	520	MACOMA TENTA	0	0	0	1	0		1	
	520	TAGELUS DIVISUS	0	1	0	0	0		1	
		TOTAL							96	20
CUMACEAN	641	OXYUROSTYLUS CF. SMITHI	0	0	1	3	2		6	
	641	CYCLASPIS VARIANS	1	0	0	0	1		2	
	641	ALMYRACUMA PROXIMOCULI	1	0	0	0	0		1	
		TOTAL							9	2
MYSID	642	AMERICAMYSIS BAHIA	0	0	0	3	0		3	
		TOTAL							3	1

TABLE 52.	STATION 9: MAJOR GROUPS---SEPTEMBER 1999									
			REPLICATE							
		TAXA	1	2	3	4	5		TOTAL	%
TANAID	643	HARGERIA REPAX	1	0	0	0	0		1	
		TOTAL							1	0
ISOPOD	644	ERICHSONIELLA ATTENUATA	6	0	1	3	4		14	
	644	HARRIETA FAXONI	0	0	0	0	1		1	
	644	XENANTHURA BREVITELSON	1	0	0	0	0		1	
		TOTAL							16	3
AMPHIPOD	645	AMPELISCA ABDITA	3	3	5	16	7		34	
		TOTAL							34	7
CIRRIPIEDIA	647	BALANUS IMPROVISUS	6	0	3	6	1		16	
		TOTAL							16	3
		TOTAL ORGANISMS	105	71	76	114	121		487	
		TOTAL TAXA							36	

TABLE 53.	STATION 10: MAJOR GROUPS—SEPTEMBER 1999								
		TAXA	1	2	3	4	5	TOTAL	%
	510	HAMINOEA SUCCINEA	0	0	0	2	0	2	
	510	CREPIDULA PLANA	0	0	1	0	0	1	
	510	CREPIDULA SP.	0	1	0	0	0	1	
	510	NUDIBRANCHIA SP. A	1	0	0	0	0	1	
	510	SAYELLA LAEVIGATA	0	0	0	1	0	1	
	510	TURBONILLA VIRIDIMARIS	0	0	1	0	0	1	
		TOTAL						307	54
PELECYPOD	520	ANADARA FLORIDANA	0	0	1	1	0	2	
	520	AMYGDALUM PAPHIUM	0	0	0	0	1	1	
	520	ISCHADIUM RECURVUM	0	0	1	0	0	1	
	520	MYSELLA PLANULATA	0	1	0	0	0	1	
	520	PARVILUCINA MULTILINEATA	0	0	0	0	1	1	
		TOTAL						6	1
ISOPOD	644	ERICHSONIELLA ATTENUATA	0	1	0	1	0	2	
	644	PARACERCEIS CAUDATA	0	1	0	0	1	2	
		TOTAL						4	1
AMPHIPOD	645	CYADUSA COMPTA	2	1	2	3	0	8	
	645	AMPELISCA ABDITA	1	1	2	2	0	6	
	645	BATEA CATHERINENSIS	0	2	0	0	3	5	
	645	AMPELISCA VADORUM	0	0	1	0	0	1	
	645	LISTRIELLA BARNARDI	0	1	0	0	0	1	
		TOTAL						21	4
DECAPOD	646	PAGURIDAE SP.	0	2	0	2	0	4	
	646	AMBIDEXTER SYMMETRICUS	0	1	0	0	1	2	
	646	PENAEUS DUORARUM	0	1	0	0	0	1	
		TOTAL						7	1
CIRRIPIEDIA	647	BALANUS IMPROVISUS	10	12	13	7	6	48	
		TOTAL						48	8
ASCIDACEA	1300	MOGULA ARENATA	0	0	0	0	1	1	
		TOTAL						1	<1
		TOTAL ORGANISMS	92	164	103	134	79	572	
		TOTAL TAXA						57	

TABLE 53. STATION 10: MAJOR GROUPS---SEPTEMBER 1999									
		TAXA	REPLICATE					TOTAL	%
			1	2	3	4	5		
CNIDARIA	100	THENARIA SP.	1	0	0	0	2	3	
		TOTAL						3	1
PLATYHELMINTES	200	STYLOCHUS ELLIPTICUS	0	0	1	2	0	3	
		TOTAL						3	1
NEMERTEAN	300	NEMERTEA SP.	0	0	0	0	1	1	
		TOTAL						1	<1
POLYCHAETE	410	CARAZZIELLA HOBSONAE	0	0	0	20	0	20	
	410	NEANTHES SUCCINEA	0	7	2	6	4	19	
	410	MAGELONA PETTIBONEAE	6	5	3	1	3	18	
	410	ARICIDEA PHILBINA	0	0	3	0	6	9	
	410	MEDIOMASTUS CALIFORNIENSIS	3	1	4	0	0	8	
	410	NEREIDAE SP.	4	0	2	0	0	6	
	410	PRIONOSPIO HETEROBRANCHIA	1	2	1	2	0	6	
	410	SPIOCHAETOPTERUS C. OCULATUS	1	2	1	0	2	6	
	410	CAPITELLA CAPITATA	1	0	3	1	0	5	
	410	POLYDORA LIGNI	0	4	1	0	0	5	
	410	DIOPATRA CUPREA	1	0	1	0	2	4	
	410	GLYCIDAE SOLITARIA	0	0	0	1	1	2	
	410	MOOREONUPHIS SP.	0	0	2	0	0	2	
	410	AUTOLYTUS DENTALIUS	0	1	0	0	0	1	
	410	EHLERSIA CORNUTA	1	0	0	0	0	1	
	410	GLYCERA SP. C	0	0	0	1	0	1	
	410	GRUBEOSYLLIS CLAVATA	0	1	0	0	0	1	
	410	MEDIOMASTUS AMBISETA	0	0	0	1	0	1	
	410	MEDIOMASTUS SP.	0	0	0	1	0	1	
	410	ONUPHIDAE SP.	0	1	0	0	0	1	
	410	TRAVISIA HOBSONAE	0	1	0	0	0	1	
		TOTAL						118	21
OLIGOCHAETE	420	TUBIFICOIDES BROWNAE	4	3	13	5	4	29	
	420	TUBIFICIDAE SP. W/OUT HAIRS	3	12	5	2	2	24	
		TOTAL						53	9
GASTROPOD	510	BITTIUM VARIUM	27	46	15	36	24	148	
	510	ASTYRIS LUNATUS	18	43	20	29	12	122	
	510	ACTEOCINA CANALICULATA	3	0	0	3	1	7	
	510	CAECUM PULCHELLUM	3	2	0	1	0	6	
	510	ODOSTOMIA NR. GIBBOSA	0	5	0	1	0	6	
	510	CREPIDULA MACULOSA	0	1	3	0	0	4	
	510	NASSARIUS VIBEX	0	2	1	0	1	4	
	510	BOONEA IMPRESSA	1	0	0	2	0	3	

TABLE 54.	STATISTICAL ANALYSIS FOR JUNE									
					STATION					
	1	2	3	4	5	6	7	8	9	10
Taxa	86	47	40	49	55	38	40	50	52	65
Individuals	2069	2226	789	1863	1080	1961	2232	404	1442	681
ORGS/m2	26526	28538	10115	23885	13846	25141	28615	5179	18487	10913
H'ln	3.1306	1.9381	2.5949	2.3741	2.3343	2.2995	1.9171	3.0659	1.9086	2.8011
H'log10	1.3596	0.8417	1.1270	1.0311	1.0138	0.9987	0.8326	1.3315	0.8289	1.2165
H'log2	4.5164	2.7961	3.7437	3.4251	3.3677	3.3175	2.7658	4.4232	2.7535	4.0411
J'(equitability)	0.7028	0.5034	0.7034	0.6100	0.5825	0.6322	0.5197	0.7837	0.4830	0.6710
Marg, (richness)	11.1332	5.9679	5.8464	6.3745	7.7312	4.8805	5.0579	8.1647	7.0115	9.8106
Simpson	0.0785	0.3465	0.1170	0.1577	0.2323	0.1975	0.2508	0.0686	0.3476	0.1501
Gini	0.9215	0.6535	0.8830	0.8423	0.7677	0.8025	0.7492	0.9314	0.6524	0.8499
TABLE 55.	STATISTICAL ANALYSIS FOR SEPTEMBER									
			STATION							
	1	2	3	4	5	6	7	8	9	10
Taxa	50	29	33	33	33	29	39	32	36	57
Individuals	1653	669	308	485	1969	341	694	344	487	572
ORGS/m2	21192	8577	3949	6218	25244	4372	8897	4410	6244	7333
H'ln	1.8182	2.2030	2.9548	2.5783	1.7051	2.2889	2.8015	2.6172	2.7255	2.7645
H'log10	0.7897	0.9568	1.2832	1.1198	0.7405	0.9941	1.2167	1.1366	1.1837	1.2006
H'log2	2.6232	3.1783	4.2628	3.7197	2.4600	3.3022	4.0417	3.7758	3.9320	3.9884
J'(equitability)	0.4648	0.6542	0.8451	0.7374	0.4877	0.6797	0.7647	0.7552	0.7606	0.6838
Marg, (richness)	6.6124	4.3039	5.5845	5.1745	4.2187	4.8012	5.8082	5.3076	5.6559	8.8201
Simpson	0.3642	0.1731	0.0671	0.1071	0.4040	0.1959	0.0996	0.1139	0.0974	0.1277
Gini	0.6358	0.8269	0.9329	0.8929	0.5960	0.8041	0.9004	0.8861	0.9026	0.8723

TABLE 56. SUMMARY TABLE OF PHYSICAL STATION DATA.									
STATION			DEPTH	SUBSTRATE	VEGETATION	JUNE\SEPTEMBER			
			(m)			SALINITY ^{0/00}	TEMP. [°]	D.O %	pH
1	LATITUDE	26° 30' 51.031" N	1	OYSTER BED	NONE	32\17	30\30	NA*178	8.2\7.8
	LONGITUDE	82° 03' 11.997" W							
2	LATITUDE	26° 34' 15.294" N	1	FINE SAND W/MUD	HALODULE	30\12	31\31	NA*172	8.1\7.4
	LONGITUDE	82° 05' 10.343" W							
3	LATITUDE	26° 34' 18.678" N	<1	SAND\ DRIFT ALGAE	MANGROVE	33\15	30\29	NA*91	7.8\7.8
	LONGITUDE	82° 03' 34.408" W							
4	LATITUDE	26° 34' 20.072" N	1.5	FINE SAND W/MUD	HALODULE	28\14	30\30	NA*>100	8.1\7.9
	LONGITUDE	82° 03' 53.000" W							
5	LATITUDE	26° 35' 39.862" N	1	MUD W/FINE SAND	THALASSIA	33\15	30\30	NA*<100	8.1\7.9
	LONGITUDE	82° 03' 34.426" W							
6	LATITUDE	26° 35' 49.586" N	1	MUD\ DRIFT ALGAE	NONE	32\15	29\30	NA*>100	7.8\7.9
	LONGITUDE	82° 03' 58.896" W							
7	LATITUDE	26° 39' 47.143" N	1	OYSTER BED\SAND	MANGROVE	36\14	29\30	NA*>100	7.9\8.2
	LONGITUDE	82° 05' 18.170" W							
8	LATITUDE	26° 39' 18.166" N	1.5	FINE SAND	NONE	37\13	29\30	NA*>100	8.0\8.0
	LONGITUDE	82° 05' 28.482" W							
9	LATITUDE	26° 38' 21.035" N	1	MUD\SAND	HALODULE	35\14	28\30	NA*>100	7.9\8.0
	LONGITUDE	82° 04' 47.645" W							
10	LATITUDE	26° 40' 55.445" N	1	FINE SAND	THALASSIA\HALODULE	36\NA*	29\30	NA*>100	8.2\8.3
	LONGITUDE	82° 06' 29.060" W							
	*EQUIPMENT MALFUNCTION								

