

ENVIRONMENTAL STUDIES,
SOUTH TEXAS OUTER CONTINENTAL SHELF,
BIOLOGY AND CHEMISTRY

Submitted to:

The Bureau of Land Management
Washington, D. C. 20240

by

The University of Texas Marine Science Institute
Port Aransas Marine Laboratory
Port Aransas, Texas 78373

Acting for and on behalf
of a consortium program
conducted by:

Rice University
Texas A&M University
University of Texas

FINAL REPORT 1977
Contract AA550-CT7-11

VOLUME VI
APPENDICES N - S

January 15, 1979

CONTENTS

<u>APPENDIX</u>		<u>PAGE</u>
N	NEUSTON PROJECT.	N-1
O	MEIOFAUNA PROJECT.	O-1
P	BENTHIC INVERTEBRATES: MACROINFAUNA AND EPIFAUNA	P-1
Q	DEMERSAL FISHES.	Q-1
R	HISTOPATHOLOGY OF DEMERSAL FISHES.	R-1
S	HISTOPATHOLOGY OF INVERTEBRATE EPIFAUNA.	S-1

APPENDIX N

NEUSTON PROJECT

List of Tables

<u>Table</u>		<u>Page</u>
1	1977 Neuston Sample Analyses Listing Numbers of Individuals per 1000 m ³ in Each Sample	N-2
2	Listing of Most Abundant Decapod Taxa in 1977 Neuston Samples. Abundances are Given in Numbers Per 1000 m ³ and as Percent of Total Sample Decapods	N-139
3	Identification and Calculated Numbers of Ichthyoplankton Obtained from Sample Aliquots by Date, Station, Transect and Time of Day	N-145

TABLE 1

1977 NEUSTON SAMPLE ANALYSES LISTING
NUMBERS OF INDIVIDUALS PER 1000 m³ IN EACH SAMPLE

Explanation of Table:

Station: D = Day, N = Night

Concentration Equal to 1 Individuals=Conversion factor used to convert number of individuals actually counted in a given aliquot to number of individuals/1000 m³ water filtered.

TABLE 1 CONT.'D

WINTER 1977: TRANSECT 1: STATION:	10	20	30
FORAMINIFERA			
SIPHONOPHORES			
PHYSALIA			
PORPITA			
VELLELA	0.0	0.0	1630.2
SIPHONOPHORE PARTS	COMMON	COMMON	RARE
MEDUSAE	97.8	151.7	4365.9
CTENOPHORES			
NEMATODES			
POLYCHAETES			
ALCIOPIDAE			
TOMOPTERIDAE			
TYPHLOSCOLECIDAE			
OTHER			
UNIDENTIFIED WORM			
MOLLUSCA			
BIVALVE MEROPLANKTERS			
GASTROPOD MEROPLANKTERS	4.1	0.0	2761.4
GLAUCUS			
JANTHINA SHELLS	0.0	0.0	13.2
JANTHINA BUBBLE PARTS	0.0	0.0	13.2
HETEROPODS			
ATLANTIDAE			
PTEROTRACHEIDAE			
PTEROPODS	0.0	0.0	487.3
CAVOLINIA CIRROSA			
CAVOLINIA INFLEXA			
CAVOLINIA LONGIROSTRIS			
CAVOLINIA UNCINATA			
CRESEIS ACICULA	4.1	4236.4	0.0
CRESEIS VIRGULA			
DIACRIA QUADRIDENTATA			
LIMACINA MULLINOIDES	0.0	0.0	162.4
LIMACINA INFLATA	0.0	0.0	162.4
LIMACINA TROCHIFORMIS			
STYLICOLA SUBULA			
HYALOCYLIS STEIATA			
PERACILIS SPP.			
GYMNOZOMES			
OTHER	0.0	0.0	1299.5
CRUSTACEA			
AMPHIPODA	4.1	0.0	0.0
HYPERIIDAE	12.2	452.1	1137.1
PHRONIMIDS			
PHRONIMA COLLETTI			
BARNACLE NAUPLII	69.2	0.0	0.0
BARNACLE CYPRIDS			
DECAPODA			
BRACHYURAN CRABS			
PORTUNID CRABS	0.0	0.0	5.1
CARIDEAN SHRIMP			
LUCIFER FAXONI	2.1	21542.6	812.2
LUCIFER TYPUS			
LARVAE			
AMPHURAN CRAB LARVAE	0.0	0.0	0.0
BRACHYURAN MEALOWS	0.0	1603.2	2436.5
BRACHYURAN ZOEAS	12.2	303.3	162.4

TABLE 1 CONT.'D

WINTER 1977:

TRANSECT I:

STATION:

1D 2D 3D

(cont.)

MACRURAN LARVAE			
SHRIMP LARVAE	0.0	303.3	2761.4
STOMATOPOD ALINA LARVAE	0.0	303.3	30.5
EUPHAUSTIIDS	4.1	151.7	1137.1
CUMACEA	0.0	0.0	487.3
MYSIDACEA	4.1	0.0	324.9
OSTRACODA	118.1	0.0	2111.7
CLADOCERA	0.0	606.6	0.0
COPEPODA			
CALANOIDS			
CANDACIA CURTA MALE			
CANDACIA CURTA FEMALE	0.0	0.0	162.4
CANDACIA PACHYDACTYLA MALE			
CANDACIA PACHYDACTYLA FEMALE			
CANDACIA BIPINNATA MALE			
CANDACIA BIPINNATA FEMALE			
CANDACIA SPP.	0.0	0.0	437.3
CENTROPAGES FURCATUS MALE	0.0	0.0	0.0
CENTROPAGES FURCATUS FEMALE	53.0	0.0	162.4
EUCHAETA MARINA MALE	0.0	0.0	162.4
EUCHAETA MARINA FEMALE	9.1	0.0	487.3
EUCHAETA SPP.			
EUCHAETA SPP. IMMATURE	20.4	303.3	2274.1
NANNOCALANUS MINOR	9.1	0.0	12192.7
PLEUROMAMMA RISECKI FEMALE			
PLEUROMAMMA GRACILIS FEMALE	0.0	0.0	162.4
P. GRACILIS + RISECKI MALES			
PLEUROMAMMA ABDOMINALIS IMMATURE			
PLEUROMAMMA SPP. IMMATURE			
RHINCALANUS CORNUTUS	0.0	151.7	9439.1
RHINCALANUS UNIDENTIFIED	3.1	0.0	324.9
TEMORA STYLIFERA	12.2	2891.5	1451.9
TEMORA TUBBINATA	142.6	1211.3	1624.4
PARACANDACIA HISPIDOSA MALE			
PARACANDACIA HISPIDOSA FEMALE			
UNDINULA VULGARIS MALE			
UNDINULA VULGARIS FEMALE			
UNDINULA VULGARIS IMMATURES	12.2	0.0	0.0
EUCALANUS ATTENUATUS MALE	0.0	0.0	1451.9
EUCALANUS ATTENUATUS FEMALE	0.0	0.0	1949.2
EUCALANUS ATTENUATUS IMMATURES			
EUCALANUS ELONGATUS MALES			
EUCALANUS ELONGATUS FEMALES			
EUCALANUS ELONGATUS IMMATURES			
EUCALANUS PILATUS MALES			
EUCALANUS PILATUS FEMALES			
EUCALANUS PILATUS IMMATURES			
NEOCALANUS GRACILIS MALES			
NEOCALANUS GRACILIS FEMALES			
NEOCALANUS GRACILIS IMMATURES			
EUCALANUS SPP. MALE			
EUCALANUS SPP. FEMALE	0.0	0.0	9446.7
COPELID	0.0	0.0	0.0
ANOMALOCERA ORNATA MALE	24.4	1330.1	162.4
ANOMALOCERA ORNATA FEMALE	16.3	8645.9	0.0
ANOMALOCERA ORNATA IMMATURE	246.2	406.6	162.4
CALANOPTA AMERICANA MALE	0.0	0.0	324.9
CALANOPTA AMERICANA FEMALE	29.5	0.0	324.9
LABIDOCERA ACUTIFRONS MALE			
LABIDOCERA ACUTIFRONS FEMALE	4.1	0.0	0.0
LABIDOCERA AFFEPTIVA MALE	16.3	455.0	0.0

TABLE 1 CONT.'D

WINTER 1977:

TRANSECT I:

STATION:

1D

2D

3D

(cont.)

	1D	2D	3D
LABIDOCERA AESTIVA FEMALE	12.2	0.0	0.0
LABIDOCERA SCOTTI MALE			
LABIDOCERA SCOTTI FEMALE			
LABIDOCERA IMMATURE	20.4	0.0	0.0
PONTELLA MEADII MALE			
PONTELLA MEADII FEMALE			
PONTELLA MIMOCRAVI	4.1	0.0	0.0
PONTELLA SECURIFER MALE			
PONTELLA SECURIFER FEMALE			
PONTELLA ATLANTICA MALE			
PONTELLA ATLANTICA FEMALE			
PONTELLA SP. "A" MALE			
PONTELLA SP. "A" FEMALE			
PONTELLA IMMATURE	4.1	0.0	0.0
PONTELOPSIS VILLOSA MALE	9.1	303.3	0.0
PONTELOPSIS VILLOSA FEMALE	12.2	151.7	0.0
PONTELOPSIS IMMATURE	4.1	1354.9	0.0
PONTELLINA PLUMATA MALE			
PONTELLINA PLUMATA FEMALE			
PONTELLINA IMMATURE			
IMMATURE & UNIDENTIFIED CALANOID	130.3	1213.3	12934.9
CYCLOPOIDA	28.5	303.3	3573.6
COPILIA MIRABILIS MALE	0.0	0.0	497.3
COPILIA MIRABILIS FEMALE	0.0	0.0	3096.3
COPILIA QUADRATA MALE			
COPILIA QUADRATA FEMALE			
SAPPHIRINA STELLATA			
SAPPHIRINA NIGROMACULATA			
SAPPHIRINA METALLINA			
SAPPHIRINA SPP.	0.0	0.0	447.3
HARPACTICOIDA			
CALIGOIDA			
COPPOD NAUPLIUS	0.0	0.0	3036.3
ECHINODERM LARVAE			
CHAETOGNATHS	44.8	4541.6	7959.4
TUNICATES			
DOLIOLIDS	9.1	2274.9	4873.1
LARVACEANS	0.0	303.3	19167.5
SALPS	0.0	0.0	812.2
FISH	19.3	45.0	1979.7
FISH EGGS	8.1	1971.6	1299.5
HALOBATES MICANS			
PLANT STEMS	PRESENT	PRESENT	PRESENT
PLASTIC	PRESENT		PRESENT
SARGASSUM			
SARGASSUM FAUNA			PRESENT
TAR	16.3	0.0	14.7
TERRESTRIAL INSECTS	4.1	0.0	162.4
WOOD	PRESENT		
MISCELLANEOUS DEBRIS	PRESENT		PRESENT
COPPOD EXOSKELETONS	ABUNDANT		RARE
SHELL FRAGMENTS			
STRING			
FEATHERS			
SEA BEANS (PLANT SEEDS)			
TOTAL NO. PER 1,000 CUBIC METERS	1346.	70299.	123268.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	4.1	151.7	162.4
ALLOQUOT SIZE	1/ 2.	1/ 64.	1/ 32.

TABLE 1 CONT.'D

WINTER 1977: TRANSECT I: STATIONS:	10	20	30
TOTAL NO. PER 1,000 CUBIC METERS	1346.	70298.	123268.
TOTAL MOLLUSCA	9.	4216.	4893.
TOTAL CRUSTACEA	1128.	56441.	65335.
TOTAL DECAPOD LARVAE	12.	2275.	5360.
TOTAL COPEPODA	896.	31100.	53929.
TOTAL ADULT PONTELLID COPEPODS	126.	23365.	812.
TOTAL IMMATURE PONTELLID COPEPODS	375.	1972.	162.
TOTAL TUNICATES	8.	2578.	24853.
TOTAL FISH	18.	45.	1980.
TOTAL FISH EGGS	8.	1972.	1299.
TAR (GRAMS PER 1,000 CUBIC METERS)	14.29	0.00	14.72

TABLE 1 CONT.'D

WINTER 1977: TRANSECT II:	10	1N	20	2N	30	3N
FORAMINIFERA	0.0	0.0	0.0	0.0	0.0	2.6
SIPHONOPHORES						
PHYSALIA	0.0	8.0	4.4	2.8	5.1	0.0
DORPITA						
VELLELA	0.0	0.0	280.1	717.1	1007.7	7.9
SIPHONOPHORE PARTS	RARE	RARE	COMMON	RARE	COMMON	RARE
MEDUSAE	2612.2	3824.7	175.1	1254.9	42.1	4047.1
CTENOPHORES	0.0	0.0	0.0	0.0	41.0	0.0
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE	0.0	0.0	0.0	179.3	82.1	0.0
OTHER	0.0	0.0	105.0	0.0	369.2	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS						
GASTROPOD MEROPLANKTERS	331.6	0.0	70.0	758.5	82.1	672.8
GLAUCUS						
JANTHINA SHELLS	0.0	0.0	0.0	0.0	12.8	0.0
JANTHINA BUBBLE PARTS	0.0	0.0	0.0	0.0	41.0	0.0
HETEROPODS						
ATLANTIDAE						
PTEROTRACHEIDAE	0.0	0.0	0.0	0.0	0.0	2.6
PTEROPDS						
CAVOLINIA GIBBOSA	0.0	0.0	0.0	0.0	2.6	0.0
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	326.5	0.0	1365.4	596.4	779.5	2.6
CRESEIS VIRGULA						
DIACPIA QUADRIDENTATA						
LIMACINA SULIMIDES						
LIMACINA INFLATA						
LIMACINA PROCHIFORMIS	0.0	255.0	70.0	358.5	0.0	0.0
STYLOLA SUBULA						
HYALICYLIS STRIATA						
PERACILIS SPP.						
GYMNOSOMES						
OTHER	0.0	0.0	175.1	0.0	2.6	26.2
CRUSTACEA						
AMPHIRODA	0.0	255.0	0.0	179.3	0.0	0.0
HYPERIIDAE	989.8	5509.6	420.1	0.0	257.2	51162.3
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII	1637.9	255.0	0.0	0.0	0.0	2.6
BARNACLE CYPRIDS	0.0	0.0	35.0	0.0	297.2	2.6
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS						
CARIDEAN SHRIMP	0.0	510.0	35.0	0.0	0.0	123.0
LUCIFER FAXONI	325.5	0.0	335.1	358.5	246.2	816.8
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	326.5	0.0	0.0	0.0	0.0	0.0
BRACHYURAN MEGALOPS	989.8	2039.3	420.1	1434.2	246.2	7882.2
BRACHYURAN ZOEAE	0.0	255.0	4026.3	179.3	42.1	1366.5

WINTER 1977:

TABLE 1 CONT.'D

TRANSECT II:

(cont.)	1D	1N	2D	2N	3D	3N
MACRURAN LARVAE						
SHRIMP LARVAE	653.1	1274.9	1050.3	1792.7	41.0	14484.3
STOMATOPOD ALIMA LARVAE	0.0	0.0	140.0	0.0	0.0	2.6
EUPHAUSIIDIS	0.0	0.0	140.0	717.1	574.4	2696.3
CUMACEA						
MYSTIDACEA	0.0	0.0	0.0	0.0	41.0	672.6
OSTRACODA	10172.6	5354.6	175.1	6453.8	287.2	22658.6
CLADOCERA						
COPEPODA						
CALANIDS						
CANDACIA CURTA MALE	0.0	0.0	0.0	0.0	0.0	2.6
CANDACIA CURTA FEMALE	0.0	0.0	35.0	0.0	0.0	2.6
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.	0.0	0.0	0.0	0.0	0.0	2.6
CENTROPAGES FURCATUS MALE	326.5	510.0	70.0	0.0	82.1	25.2
CENTROPAGES FURCATUS FEMALE	5236.8	1529.9	735.2	358.3	451.3	12212.0
EUCHAETA MARINA MALE	0.0	0.0	140.0	1613.4	0.0	680.6
EUCHAETA MARINA FEMALE	0.0	255.0	105.0	896.4	41.0	675.4
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE	0.0	255.0	420.1	856.4	0.0	1358.6
NANNOCALANUS MINOR	0.0	255.0	210.1	2468.3	0.0	2683.2
PLEUROMAMMA PISECKI FEMALE	0.0	0.0	0.0	179.3	0.0	0.0
PLEUROMAMMA GRACILIS FEMALE	0.0	0.0	0.0	179.3	0.0	670.2
P. GRACILIS + PISECKI MALES						
PLEUROMAMMA ABDOMINALIS IMMATURE						
PLEUROMAMMA SPP. IMMATURE	0.0	0.0	35.0	179.3	0.0	0.0
RHINCALANUS CORNUTUS	0.0	510.0	700.2	3226.9	1271.9	4795.3
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	331.6	1274.9	2415.8	1434.2	697.4	672.8
TEMORA TURBINATA	25306.1	16928.7	3222.8	1075.6	1682.1	74549.7
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNCINULA VULGARIS MALE						
UNCINULA VULGARIS FEMALE						
UNCINULA VULGARIS IMMATURES						
EUCALANUS ATTENUATUS MALE	0.0	0.0	35.0	179.3	0.0	0.0
EUCALANUS ATTENUATUS FEMALE	0.0	510.0	0.0	856.4	0.0	4320.9
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES						
EUCALANUS PILEATUS FEMALES						
EUCALANUS PILEATUS IMMATURES						
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE	0.0	0.0	0.0	537.8	0.0	0.0
EUCALANUS SPP. FEMALE	0.0	0.0	1295.4	179.3	0.0	2580.6
PATELLIDS	326.5	0.0	0.0	0.0	41.0	0.0
ANCHALOCERA ORNATA MALE	4260.2	3509.7	10323.2	1613.4	0.0	25.2
ANCHALOCERA ORNATA FEMALE	7525.5	5609.0	7457.3	1613.4	0.0	638.5
ANCHALOCERA ORNATA IMMATURE	84612.2	32127.5	8007.5	1434.2	360.2	55355.5
CALANOPTA AMERICANA MALE	0.0	255.0	250.1	4661.1	41.0	6136.1
CALANOPTA AMERICANA FEMALE	0.0	255.0	325.1	7529.4	123.1	4064.1
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	979.6	3059.8	105.0	1792.7	41.0	7557.6

WINTER 1977:

TABLE 1 CONT.'D

TRANSECT II:

(cont.)

	1D	1N	2D	2N	3D	3N
LABIDOCERA AESTIVA FEMALE	0.0	1274.9	70.0	388.5	82.1	7418.8
LABIDOCERA SCOTTI MALE	0.0	255.0	0.0	0.0	0.0	0.0
LABIDOCERA SCOTTI FEMALE	0.0	0.0	70.0	0.0	0.0	0.0
LABIDOCERA IMMATURE	1316.3	754.9	245.1	0.0	0.0	0.0
PONTELLA MEADII MALE						
PONTELLA MEADII FEMALE						
PONTELLA MIMOCEPHALI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE						
PONTELOPSIS VILLOSA MALE	0.0	0.0	290.1	0.0	0.0	0.0
PONTELOPSIS VILLOSA FEMALE	0.0	0.0	395.1	0.0	41.0	0.0
PONTELOPSIS IMMATURE	0.0	0.0	105.0	0.0	0.0	0.0
PONTELLINA PLUMATA MALE	0.0	0.0	35.0	0.0	0.0	0.0
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	3918.4	5864.5	2975.9	10577.0	1922.2	35651.8
CYCLOPOIDA	1316.3	2549.8	1890.6	1254.9	3035.9	2798.4
COPILIA MIRABILIS MALE	0.0	0.0	105.0	0.0	0.0	0.0
COPILIA MIRABILIS FEMALE	0.0	0.0	210.1	0.0	0.0	0.0
COPILIA QUADRATA MALE	0.0	0.0	0.0	0.0	0.0	2.6
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA	0.0	0.0	210.1	0.0	0.0	0.0
SAPPHIRINA NIGROVACUOLATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA	0.0	0.0	0.0	0.0	0.0	5.2
CALIGIDA						
COPEPOD NAUPLIUS	0.0	0.0	70.0	0.0	0.0	2680.6
ECHINODERM LARVAE						
CHAETOGNATHS	6260.2	15043.9	17920.6	12549.0	5707.7	12996.9
TUNICATES						
DOLIOLIDS	326.5	255.0	2485.9	2330.5	2297.4	6735.6
LARVACEANS	0.0	0.0	105.0	0.0	1723.1	21007.9
SALPS	0.0	0.0	0.0	0.0	0.0	7.9
FISH	643.3	1047.8	70.0	1090.6	359.0	774.9
FISH EGGS	653.1	1019.9	2330.7	1254.9	7173.5	2701.6
HALOBATES MICANS						
PLANT STEMS	PRESENT		PRESENT			
PLASTIC			PRESENT	PRESENT		PRESENT
SARGASSUM				PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA					PRESENT	PRESENT
TAP	21.9	0.0	8.1	28.3	6.9	2.3
TERRESTRIAL INSECTS	5.1	4.0	0.0	0.0	2.6	0.0
WOOD	PRESENT		PRESENT	PRESENT		
MISCELLANEOUS DEBRIS	PRESENT					
COPEPOD EXOSKELETONS	RARE	RARE	COMMON	RARE	COMMON	RARE
SHELL FRAGMENTS					PRESENT	
STRING						
FEATHERS	PRESENT					
SEA BEANS (PLANT SEEDS)	PRESENT			PRESENT		
TOTAL NO. PER 1,000 CUBIC METERS	141736.	114525.	80134.	77441.	31907.	379059.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	326.5	255.0	15.0	179.3	41.0	670.2
ALIQOUT SIZE	1/ 64.	1/ 64.	1/ 16.	1/ 64.	1/ 16.	1/256.

TABLE 1 CONT.'D

WINTER 1977: TRANSECT II:	1D	1N	20	2N	3D	3N
TOTAL NO. PER 1,000 CUBIC METERS	161739.	114525.	80144.	77641.	31397.	379059.
TOTAL MOLLUSCA	558.	255.	1481.	1613.	921.	704.
TOTAL CRUSTACEA	149245.	90518.	52551.	55395.	8935.	324596.
TOTAL DECAPOD LARVAE	1969.	3570.	5437.	3406.	369.	23733.
TOTAL COPEPODA	134143.	74954.	45724.	44280.	6392.	222526.
TOTAL ADULT PONTELLID COPEPODS	13092.	14279.	19231.	17569.	369.	25895.
TOTAL IMMATURE PONTELLID COPEPODS	95929.	32892.	8438.	1434.	369.	55955.
TOTAL TUNICATES	327.	255.	2591.	2331.	421.	27751.
TOTAL FISH	663.	1048.	70.	1090.	159.	775.
TOTAL FISH EGGS	653.	1020.	2381.	1255.	7179.	2702.
TAR (GRAMS PER 1,000 CUBIC METERS)	21.94	0.00	9.10	26.33	6.92	2.62

TABLE 1 CONT.'D

WINTER 1977: TRANSECT III: STATIONS	10	20	30
FORAMINIFERA	0.0	0.0	40.0
SIPHONOPHORES			
PHYSALIA	0.0	23.7	0.0
POPPITA			
VELLELA	0.0	53.2	300.0
SIPHONOPHORE PARTS		COMMON	COMMON
MEDUSAE	14317.7	0.0	20.0
CTENOPHORES			
NEMATODES			
POLYCHAETES			
ALCIDIIDAE			
TENOPTERIDAE			
TYPHLOSCOLECIDAE			
OTHER			
UNIDENTIFIED WORM			
MOLLUSCA			
BIVALVE MEGALOPANKTERS	0.0	0.0	20.0
GASTROPOD MEGALOPANKTERS	0.0	0.0	20.0
GLAUCUS			
JANTHINA SHELLS			
JANTHINA BUBBLE RAFTS			
METEROPODS			
ATLANTIDAE			
OTEROTRACHEIDAE			
PTEPOPODS			
CAVOLINIA GIBBOSA			
CAVOLINIA INFLEXA			
CAVOLINIA LONGIROSTRIS			
CAVOLINIA UNCINATA			
CRESEIS ACICULA	0.0	347.8	0.0
CRESEIS VIRGULA			
DIACRIA QUADRIDENTATA	0.0	0.0	20.0
LIMACINA BULIMIGIDES			
LIMACINA INFLATA			
LIMACINA TROCHIFORMIS			
STYLIOCLA SURULA			
HYALOCYLIS STRIATA			
PERACLIS SPP.			
GYMNOSOMES			
OTHER	0.0	31.6	20.0
CRUSTACEA			
AMPHIPODA	0.0	0.0	40.0
HYPERIIDAE	1574.9	0.0	0.0
PHRONIMIDS			
PHRONIMA COLLETTI			
BARNACLE NAUPLII	143.2	0.0	0.0
BARNACLE CYPRIDS	0.0	505.9	520.0
DECAPODA			
BRACHYURAN CRABS			
PORTUNID CRABS			
CARIDEAN SHRIMP			
LUCIFER FAXONI	0.0	0.0	100.0
LUCIFER TYDUS			
LARVAE			
ANOMURAN CRAB LARVAE	0.0	0.0	0.0
BRACHYURAN MEGALOPS	0.0	0.0	60.0
BRACHYURAN ZOEAE	859.1	159.1	40.0

TABLE 1 CONT.'D

WINTER 1977:

TRANSECT III:

STATION: (cont.)	1D	2D	3D
MACRUPAN LARVAE			
SHRIMP LARVAE	143.2	63.2	200.0
STOMATOPOD ALINA LARVAE			
EUPHAUSIID	0.0	0.0	20.0
CUMACEA	0.0	0.0	290.0
MYSIDACEA	0.0	0.0	43.0
OSTRACODA	0.0	63.2	80.0
CLADOCERA			
COPEPODA			
CALANOID			
CANDACIA CURTA MALE	0.0	31.6	0.0
CANDACIA CURTA FEMALE			
CANDACIA PACHYDACTYLA MALE			
CANDACIA PACHYDACTYLA FEMALE			
CANDACIA BIPINNATA MALE			
CANDACIA BIPINNATA FEMALE			
CANDACIA SPP.			
CENTROPAGES FURCATUS MALE	0.0	0.0	0.0
CENTROPAGES FURCATUS FEMALE	3149.9	0.0	0.0
EUCHAETA MARINA MALE	0.0	0.0	40.0
EUCHAETA MARINA FEMALE	0.0	0.0	20.0
EUCHAETA SPP.			
EUCHAETA SPP. IMMATURE	0.0	0.0	20.0
NANNOCALANUS MINOR	0.0	125.5	40.0
PLEUROMAMMA PISECKI FEMALE	0.0	0.0	60.0
PLEUROMAMMA GRACILIS FEMALE			
P. GRACILIS + PISECKI MALES			
PLEUROMAMMA ABDOMINALIS IMMATURE			
PLEUROMAMMA SPP. IMMATURE			
RHINCALANUS CORNUTUS	0.0	94.9	480.0
RHINCALANUS UNIDENTIFIED			
TEMORA STYLIFERA	715.9	0.0	0.0
TEMORA TUBBINATA	2720.4	94.9	40.0
PARACANDACIA BISPINOSA MALE			
PARACANDACIA BISPINOSA FEMALE			
UNDINULA VULGARIS MALE			
UNDINULA VULGARIS FEMALE			
UNDINULA VULGARIS IMMATURES			
EUCALANUS ATTENUATUS MALE			
EUCALANUS ATTENUATUS FEMALE	0.0	31.6	30.0
EUCALANUS ATTENUATUS IMMATURES			
EUCALANUS ELONGATUS MALES			
EUCALANUS ELONGATUS FEMALES			
EUCALANUS ELONGATUS IMMATURES			
EUCALANUS PILEATUS MALES			
EUCALANUS PILEATUS FEMALES			
EUCALANUS PILEATUS IMMATURES			
NEOCALANUS GRACILIS MALES			
NEOCALANUS GRACILIS FEMALES			
NEOCALANUS GRACILIS IMMATURES			
EUCALANUS SPP. MALE			
EUCALANUS SPP. FEMALE	0.0	0.0	340.0
PONTELLID	0.0	0.0	0.0
ANOMALOCERA ORNATA MALE	859.1	7593.0	50.0
ANOMALOCERA ORNATA FEMALE	1145.4	3762.3	0.0
ANOMALOCERA ORNATA IMMATURE	28778.5	3573.1	50.0
CALANOPIA AMERICANA MALE			
CALANOPIA AMERICANA FEMALE	0.0	63.2	0.0
LABIDOCERA ACUTIFRONS MALE			
LABIDOCERA ACUTIFRONS FEMALE	0.0	31.6	0.0
LABIDOCERA AESTIVA MALE	0.0	0.0	0.0

WINTER 1977:

TABLE 1 CONT.'D

TRANSECT III:

STATION:	1D	2D	3D
(cont.)			
LABIDJCERA AESTIVA FEMALE	429.5	31.6	0.0
LABIDJCERA SCOTTI MALE			
LABIDJCERA SCOTTI FEMALE			
LABIDJCERA IMMATURE	572.7	0.0	0.0
PONTELLA MEADII MALE			
PONTELLA MEADII FEMALE			
PONTELLA MIMOCERAMI	0.0	31.6	0.0
PONTELLA SECURIFER MALE			
PONTELLA SECURIFER FEMALE	0.0	31.6	0.0
PONTELLA ATLANTICA MALE			
PONTELLA ATLANTICA FEMALE			
PONTELLA SP. "A" MALE			
PONTELLA SP. "A" FEMALE			
PONTELLA IMMATURE			
PONTELLOPSIS VILLOSA MALE	0.0	158.1	40.3
PONTELLOPSIS VILLOSA FEMALE	0.0	94.9	20.0
PONTELLOPSIS IMMATURE	0.0	94.9	0.0
PONTELLINA PLOMATA MALE			
PONTELLINA PLOMATA FEMALE			
PONTELLINA IMMATURE			
IMMATURE & UNIDENTIFIED CALANOID	3293.1	379.4	1340.0
CYCLOPOIDA	143.2	53.2	200.0
COPILIA MIRABILIS MALE	0.0	0.0	40.0
COPILIA MIRABILIS FEMALE			
COPILIA QUADRATA MALE			
COPILIA QUADRATA FEMALE	0.0	3.0	20.0
SAPPHIRINA STELLATA	0.0	3.0	20.0
SAPPHIRINA NIGROMACULATA			
SAPPHIRINA METALLINA			
SAPPHIRINA SP.			
HARPACTICOIDA			
CALIGOIDA			
COPEPOD NAUPLIUS			
ECHINODERM LARVAE	0.0	3.0	40.0
CHAETOGNATHS	2147.7	940.2	2300.0
TUNICATES			
DOLIOLIDS	0.0	411.1	800.0
LARVACEANS	3.0	53.2	460.0
SALPS			
FISH	424.2	33.5	2.5
FISH EGGS	143.2	727.3	1320.0
MALCOBATES MICANS			
PLANT STEMS	PRESENT	PRESENT	
PLASTIC	PRESENT		
SARGASSUM		PRESENT	PRESENT
SARGASSUM FAUNA			
TAP	5.6	15.0	1.5
TERRESTRIAL INSECTS	2.2	0.0	0.0
WOOD			
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS	RARE	RARE	RARE
SHELL FRAGMENTS			
STRING			
FEATHERS	PRESENT		
SEA BEANS (PLANT SEEDS)			
TOTAL NO. PER 1,000 CUBIC METERS	61763.	19757.	9743.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	143.2	31.6	20.0
ALIQUNT SIZE	1/ 64.	1/ 16.	1/ 8.

TABLE 1 CONT.'D

WINTER 1977: TRANSECT III: STATION:	10	20	30
TOTAL NO. PER 1,000 CUBIC METERS	61763.	19757.	5743.
TOTAL MOLLUSCA	0.	379.	80.
TOTAL CRUSTACEA	44395.	17012.	4100.
TOTAL DECAPOD LARVAE	1002.	221.	300.
TOTAL COPEPODA	41664.	16221.	2640.
TOTAL ADULT PONTELLID COPEPODS	2434.	11794.	120.
TOTAL IMMATURE PONTELLID COPEPODS	29351.	3649.	60.
TOTAL TUNICATES	0.	474.	1260.
TOTAL FISH	624.	74.	3.
TOTAL FISH EGGS	143.	727.	1320.
TAR (GRAMS PER 1,000 CUBIC METERS)	5.59	14.98	1.50

TABLE 1 CONT.'D

WINTER 1977: TRANSECT IV: STATION:	10	20	30
FORAMINIFERA			
SIPHONOPHORES			
PHYSALIA	0.0	149.8	14.7
PORPITA	0.0	4.0	0.0
VELLELA	0.0	0.0	155.4
SIPHONOPHORE PARTS	PARE	RARE	RARE
MEOUSAE	0.0	0.0	938.4
CTENOPHORES			
NEMATODES			
POLYCHAETES			
ALCIOPIIDAE			
TOMOPTERIDAE			
TYPHLOSCOLECIDAE			
OTHER			
UNIDENTIFIED WORM			
MOLLUSCA			
BIVALVE MEREPLANKTERS			
GASTROPOD MEREPLANKTERS	0.0	259.1	2530.6
GLAUCUS			
JANTHINA SHELLS	0.0	0.0	2.9
JANTHINA BUBBLE PARTS			
METEROPODS			
ATLANTIDAE			
PTEROTRACHEIDAE			
PTEROPODS			
CAVOLINIA GIBBOSA			
CAVOLINIA INFLEXA			
CAVOLINIA LONGICOSTIS			
CAVOLINIA UNCINATA			
CRESEIS ACICULA	0.0	259.1	137.7
CRESEIS VIRGULA			
DIACRIA QUADRIDENTATA			
LIMACINA EULIMNIDES			
LIMACINA INFLATA	0.0	0.0	46.9
LIMACINA TROCHIFORMIS			
STYLICLA SUBULA			
HYALOCYLIS STRIATA			
PERACLIS SPP.			
GYMNOZOMES			
OTHER			
CRUSTACEA			
AMPHIPODA			
HYPERIIDAE	0.0	0.0	281.5
PHRONIMIDS			
PHRONIMA COLLETTI			
BARNACLE NAUPLII	0.0	0.0	0.0
BARNACLE CYPRIOS	0.0	0.0	516.1
DECAPODA			
BRACHYURAN CRABS			
PORTUNID CRABS			
CARIDEAN SHRIMP			
LUCIFER FAXONI	0.0	11141.7	140.3
LUCIFER TYPUS			
LARVAE			
ANDMURAN CRAB LARVAE	0.0	0.0	0.0
BRACHYURAN MEGALOPS	0.0	0.0	46.9
BRACHYURAN ZOEAS	0.0	777.3	140.3

TABLE 1 CONT.'D

WINTER 1977:

TRANSECT IV:

STATION:	1D	2D	3D
(cont.)			
MACRURAN LARVAE			
SHRIMP LARVAE	0.0	259.1	46.9
STOMATOPOD ALIMA LARVAE			
EUPHAUSIIDS	0.0	0.0	93.9
CUMACEA	0.0	0.0	46.7
MYSIDACEA			
OSTRACODA	0.0	0.0	750.7
CLADOCERA			
COPEPODA			
CALANOIDS			
CANDACIA CURTA MALE	0.0	0.0	187.7
CANDACIA CURTA FEMALE	0.0	0.0	42.9
CANDACIA PACHYDICTYLA MALE			
CANDACIA PACHYDICTYLA FEMALE			
CANDACIA BIPINNATA MALE			
CANDACIA BIPINNATA FEMALE			
CANDACIA SPP.	0.0	0.0	281.5
CENTROPAGES FURCATUS MALE	0.0	0.0	231.5
CENTROPAGES FURCATUS FEMALE	0.0	518.2	2205.3
EUCHAETA MARINA MALE	0.0	0.0	46.9
EUCHAETA MARINA FEMALE	0.0	0.0	97.8
EUCHAETA SPP.			
EUCHAETA SPP. IMMATURE	0.0	0.0	422.3
NANNOCALANUS MINOR	0.0	0.0	1531.5
PLEUROMAMMA DISSECKI FEMALE			
PLEUROMAMMA GRACILIS FEMALE			
P. GRACILIS + DISSECKI MALES			
PLEUROMAMMA AEDOMINALIS IMMATURE			
PLEUROMAMMA SPP. IMMATURE			
RHINCALANUS CORRUPUS	0.0	0.0	140.8
RHINCALANUS UNIDENTIFIED			
TEMORA STYLIFERA	0.0	259.1	93.8
TEMORA TURBINATA	691.9	2732.0	750.7
PARACANDACIA BISPINOSA MALE			
PARACANDACIA BISPINOSA FEMALE			
UNDINULA VULGARIS MALE			
UNDINULA VULGARIS FEMALE			
UNDINULA VULGARIS IMMATURES			
EUCALANUS ATTENUATUS MALE			
EUCALANUS ATTENUATUS FEMALE	0.0	0.0	197.7
EUCALANUS ATTENUATUS IMMATURES			
EUCALANUS ELONGATUS MALES			
EUCALANUS ELONGATUS FEMALES			
EUCALANUS ELONGATUS IMMATURES			
EUCALANUS PILEATUS MALES			
EUCALANUS PILEATUS FEMALES			
EUCALANUS PILEATUS IMMATURES			
NEOCALANUS GRACILIS MALES			
NEOCALANUS GRACILIS FEMALES			
NEOCALANUS GRACILIS IMMATURES			
EUCALANUS SPP. MALE	0.0	0.0	281.5
EUCALANUS SPP. FEMALE	0.0	0.0	1407.6
PONTELLIDS	0.0	0.0	0.0
ANOMALOCERA CORNATA MALE	11757.6	60900.7	234.9
ANOMALOCERA CORNATA FEMALE	11137.8	47157.9	328.4
ANOMALOCERA CORNATA IMMATURE	362508.1	852210.3	328.4
CALANOPIA AMERICANA MALE			
CALANOPIA AMERICANA FEMALE	671.9	0.0	234.6
LABIDOCERA ACUTIFRONS MALE			
LABIDOCERA ACUTIFRONS FEMALE			
LABIDOCERA AESTIVA MALE	0.0	0.0	234.6

TABLE 1 CONT.'D

WINTER 1977:

TRANSECT IV:

STATION:	1D	2D	3D
(cont.)			
LABIDOCERA AESTIVA FEMALE	0.0	259.1	234.6
LABIDOCERA SCOTTI MALE			
LABIDOCERA SCOTTI FEMALE			
LABIDOCERA IMMATURE	0.0	0.0	93.8
PONTELLA MEADII MALE			
PONTELLA MEADII FEMALE			
PONTELLA MINOCFRAMI			
PONTELLA SECURIFER MALE			
PONTELLA SECURIFER FEMALE			
PONTELLA ATLANTICA MALE			
PONTELLA ATLANTICA FEMALE			
PONTELLA SP. "A" MALE			
PONTELLA SP. "A" FEMALE			
PONTELLA IMMATURE			
PONTELOPSIS VILLOSA MALE	0.0	518.2	0.0
PONTELOPSIS VILLOSA FEMALE	0.0	259.1	0.0
PONTELOPSIS IMMATURE			
PONTELLINA PLUMATA MALE			
PONTELLINA PLUMATA FEMALE			
PONTELLINA IMMATURE			
IMMATURE & UNIDENTIFIED CALANOID	0.0	2950.2	1689.1
CYCLOPOIDA	1323.8	0.0	1642.2
COPILIA MIRABILIS MALE	0.0	0.0	46.9
COPILIA MIRABILIS FEMALE	0.0	0.0	563.0
COPILIA QUADRATA MALE			
COPILIA QUADRATA FEMALE			
SAPPHIRINA STELLATA	0.0	0.0	140.8
SAPPHIRINA NIGROVACULATA			
SAPPHIRINA METALLINA			
SAPPHIRINA SPP.			
HARPACTICOIDA			
CALIGOIDA			
COPEPOD NAUPLIUS			
ECHINODERM LARVAE			
CHAETOGNATHS	0.0	4434.9	8915.0
TUNICATES			
DOLIOLIDS	691.9	518.2	4259.8
LARVACEANS	0.0	0.0	1874.8
SALPS	0.0	0.0	231.5
FISH	8.1	34.3	46.9
FISH EGGS	0.0	1627.5	4129.0
HALOBATES HICANS			
PLANT STEMS	PRESENT	PRESENT	PRESENT
PLASTIC		PRESENT	
SARGASSUM			PRESENT
SARGASSUM FAUNA			PRESENT
TAR	0.0	6.1	0.6
TERRESTRIAL INSECTS	0.0	0.0	46.9
WOOD	PRESENT	PRESENT	PRESENT
MISCELLANEOUS DEBRIS		PRESENT	PRESENT
COPEPOD EXOSKELETONS		RARE	RARE
SHELL FRAGMENTS		PRESENT	
STRING	PRESENT		
FEATHERS			
SEA BEANS (PLANT SEEDS)		PRESENT	
TOTAL NO. PER 1,000 CURIC METERS	438981.	988720.	39258.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	691.9	259.1	46.9
ALICQUOT SIZE	1/256.	1/64.	1/16.

TABLE 1 CONT.'D

WINTER 1977: TRANSEC IV: STATION::	10	20	30
TOTAL NO. PER 1,000 CUBIC METERS	402931.	538720.	39258.
TOTAL MOLLUSCA	0.	518.	2819.
TOTAL CRUSTACEA	402397.	979473.	13372.
TOTAL DECAPOD LARVAE	0.	1036.	235.
TOTAL COPEPODA	402397.	967255.	11308.
TOTAL ADULT PONTELLID COPEPODS	43597.	109025.	1267.
TOTAL IMMATURE PONTELLID COPEPODS	362602.	852210.	422.
TOTAL TUNICATES	692.	519.	6428.
TOTAL FISH	3.	65.	47.
TOTAL FISH EGGS	0.	3529.	4129.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.00	6.07	0.59

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 10:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA				
SIPHONOPHORES				
PHYSALIA	20.0	0.0	0.0	0.0
PORPITA	0.0	20.0	0.0	10.0
VELLELA	40.0	20.0	30.0	80.0
SIPHONOPHORE PARTS	RARE	RARE	RARE	RARE
MEOUSAE	0.0	0.0	0.0	30.0
CTENOPHORES	10.0	10.0	0.0	10.0
NEMATODES				
POLYCHAETES				
ALCIOPIIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE				
OTHER				
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS				
GASTROPOD MEROPLANKTERS				
GLAUCUS				
JANTHINA SHELLS				
JANTHINA BUBBLE RAFTS				
HETEROPODS				
ATLANTIDAE				
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS				
CAVOLINIA UNCINATA				
CRESEIS ACICULA				
CRESEIS VIRGULA				
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS				
STYLICLA SUBULA				
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER	0.0	10.0	640.0	0.0
CRUSTACEA				
AMPHIPODA	640.0	650.0	0.0	0.0
HYPERIIDAE	0.0	640.0	640.0	0.0
PHRONIMIDS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIDS	0.0	0.0	0.0	640.0
DECAPODA				
BRACHYURAN CRABS				
PORTUNID CRABS	0.0	0.0	0.0	10.0
CARIDEAN SHRIMP	0.0	0.0	0.0	10.0
LUCIFER FAXONI	0.0	0.0	0.0	640.0
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE				
BRACHYURAN MEGALOPS	0.0	1280.0	2560.0	640.0
BRACHYURAN ZOEAS	0.0	640.0	0.0	0.0

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 1D:

NET 1 NET 2 NET 3 NET 4

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE				
STOMATOPOD ALIMA LARVAE	240.0	210.0	200.0	800.0
EUPHAUSIID				
CUMACEA				
MYSIDACEA				
OSTRACODA	640.0	640.0	0.0	1290.0
CLADOCERA				
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE				
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.				
CENTROPAGES FURCATUS MALE				
CENTROPAGES FURCATUS FEMALE				
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE				
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR				
PLEUROMAMMA PISECKI FEMALE				
PLEUROMAMMA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUROMAMMA ABDOMINALIS IMMATURE				
PLEUROMAMMA SPP. IMMATURE				
RHINCALANUS CORNUTUS				
RHINCALANUS UNIDENTIFIED				
TEGORA STYLIFERA				
TEGORA TURBINATA				
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNCINULA VULGARIS MALE				
UNCINULA VULGARIS FEMALE				
EUCALANUS ATTENUATUS MALE				
EUCALANUS ATTENUATUS FEMALE				
EUCALANUS SPP. MALE	640.0	0.0	0.0	0.0
EUCALANUS SPP. FEMALE				
PONTELLIDS				
ANOMALOCERA ORNATA MALE	309480.0	279690.0	352640.0	344960.0
ANOMALOCERA ORNATA FEMALE	151680.0	131200.0	186240.0	174720.0
ANOMALOCERA ORNATA IMMATURE	29800.0	19840.0	25600.0	28160.0
CALANOPIA AMERICANA MALE				
CALANOPIA AMERICANA FEMALE				
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	640.0	0.0	640.0	0.0
LABIDOCERA AESTIVA FEMALE	0.0	0.0	640.0	0.0
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE				
PONTELLA MEADII MALE				
PONTELLA MEADII FEMALE				
PONTELLA MEMOCERAMI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 1D:

NET 1 NET 2 NET 3 NET 4

(cont.)

PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE				
PONTELLOPSIS VILLOSA MALE	0.0	0.0	640.0	0.0
PONTELLOPSIS VILLOSA FEMALE	0.0	0.0	640.0	0.0
PONTELLOPSIS IMMATURE				
PONTELLINA PLUMATA MALE				
PONTELLINA PLUMATA FEMALE				
PONTELLINA IMMATURE				
IMMATURE & UNIDENTIFIED CALANOID	0.0	640.0	0.0	1280.0
CYCLOPOIDA	0.0	640.0	0.0	0.0
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA				
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
HARPACTICOIDA				
CALIGOIDA				
COPEPOD NAUPLIUS				
ECHINODERM LARVAE	0.0	640.0	1920.0	640.0
CHAETOGNATHS				
TUNICATES				
DOLIOLIDS				
LARVACEANS				
SALPS	0.0	0.0	0.0	10.0
FISH	0.0	50.0	0.0	0.0
FISH EGGS	640.0	0.0	2560.0	640.0
HALOBATES NICANS				
PLANT STEMS		PRESENT		
PLASTIC			PRESENT	PRESENT
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA	PRESENT	PRESENT	PRESENT	PRESENT
TAR	220.0	270.0	320.0	270.0
TERRESTRIAL INSECTS	30.0	660.0	660.0	650.0
WOOD	PRESENT	PRESENT	PRESENT	PRESENT
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS				
SHELL FRAGMENTS	PRESENT			
STRING				
FEATHERS		PRESENT		PRESENT
SEA BEANS (PLANT SEEDS)	PRESENT			
TOTAL NO. PER 1,000 CUBIC METERS	492500.	637470.	576250.	555210.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	640.0	640.0	640.0	640.0
ALIQUOT SIZE	1/ 64.	1/ 64.	1/ 64.	1/ 64. 1/

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 10:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1,000 CUBIC METERS	492500.	437470.	576250.	555210.
TOTAL MOLLUSCA	0.	10.	640.	0.
TOTAL CRUSTACEA	491760.	436060.	570440.	553140.
TOTAL DECAPOD LARVAE	0.	1920.	2560.	640.
TOTAL COPEPODA	490240.	432000.	567040.	549120.
TOTAL ADULT PONTELLID COPEPODS	460800.	410880.	541440.	519580.
TOTAL IMMATURE PONTELLID COPEPODS	28800.	19840.	25600.	29160.
TOTAL TUNICATES	0.	0.	0.	10.
TOTAL FISH	0.	50.	0.	0.
TOTAL FISH EGGS	640.	0.	2560.	640.
TAR (GRAMS PER 1,000 CUBIC METERS)	220.00	270.00	320.00	270.00

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION IN:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA				
SIPHONOPHORES				
PHYSALIA	17.2	25.9	0.0	8.6
POPPITA				
VELLELA	551.7	413.8	25.9	439.7
SIPHONOPHORE PARTS	RARE	RARE	RARE	RARE
MEOUSAS	413.8	827.6	965.5	137.9
CTENOPHORES				
NEMATODES				
POLYCHAETES				
ALCIOPIIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE				
OTHER	0.0	137.9	0.0	0.0
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS				
GASTROPOD MEROPLANKTERS	2620.7	827.6	827.6	551.7
GLAUCUS				
JANTHINA SHELLS	0.0	0.0	8.6	0.0
JANTHINA BUBBLE RAFTS	0.0	0.0	8.6	0.0
HETEROPODS				
ATLANTIDAE				
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS				
CAVOLINIA UNCINATA				
CRESEIS ACICULA				
CRESEIS VIRGULA				
DIACRIA QUADRIDENTATA				
LIMACINA BULINOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS	137.9	0.0	0.0	0.0
STYLIOLA SUBULA				
HYALOCYLIS STRIATA				
PERACLLIS SPP.				
GYMNOSOMES				
OTHER	17.2	0.0	0.0	0.0
CRUSTACEA				
AMPHIPODA	275.9	137.9	137.9	137.9
HYPERIIDAE	33655.2	16413.8	18344.8	28965.5
PHRONIMIDS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIDS	0.0	0.0	137.9	0.0
DECAPODA				
BRACHYURAN CRABS	413.8	0.0	0.0	0.0
PORTUNID CRABS	0.0	0.0	137.9	0.0
CARIDEAN SHRIMP	275.9	689.7	827.6	413.8
LUCIFER FAXONI	689.7	827.6	1241.4	551.7
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE	965.5	413.8	689.7	827.6
BRACHYURAN MEGALOPS	27034.5	20689.7	33931.0	29555.2
BRACHYURAN ZOEAS	3448.3	0.0	4275.9	3448.3

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 1N:

NET 1 NET 2 NET 3 NET 4

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRUPAN LARVAE				
SHRIMP LARVAE	3862.1	3448.3	2758.6	3448.3
STOMATOPOD ALIMA LARVAE	137.9	413.8	275.9	137.9
EUPHAUSIIDS	137.9	137.9	275.9	275.9
CUMACEA				
MYSIDACEA	551.7	689.7	137.9	413.8
OSTRACODA	413.8	275.9	0.0	137.9
CLADOCEPA				
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE				
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.				
CENTROPAGES FURCATUS MALE	551.7	689.7	551.7	275.9
CENTROPAGES FURCATUS FEMALE	5793.1	8413.8	7310.3	11586.2
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE				
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE	0.0	137.9	0.0	0.0
NANNOCALANUS MINOR	0.0	0.0	137.9	137.9
PLEUROMAMMA PISECKI FEMALE				
PLEUROMAMMA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUROMAMMA ABDOMINALIS IMMATURE				
PLEUROMAMMA SPP. IMMATURE				
RHINCALANUS CORNUTUS	275.9	689.7	413.8	551.7
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	0.0	413.8	0.0	413.8
TEMORA TURBINATA	137.9	275.9	0.0	275.9
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
EUCALANUS ATTENUATUS MALE				
EUCALANUS ATTENUATUS FEMALE	0.0	0.0	0.0	137.9
EUCALANUS SPP. MALE	0.0	0.0	0.0	137.9
EUCALANUS SPP. FEMALE	275.9	137.9	0.0	137.9
PONTELLIDS				
ANOMALOCERA ORNATA MALE	14069.0	11172.4	16965.5	10206.9
ANOMALOCERA ORNATA FEMALE	9931.0	7586.2	12000.0	7862.1
ANOMALOCERA ORNATA IMMATURE	551.7	1103.4	1241.4	827.6
CALANCIPIA AMERICANA MALE	0.0	0.0	0.0	137.9
CALANCIPIA AMERICANA FEMALE				
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	1379.3	1517.2	1379.3	1655.2
LABIDOCERA AESTIVA FEMALE	275.9	551.7	413.8	275.9
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	275.9	137.9	137.9	275.9
PONTELLA MEADII MALE				
PONTELLA MEADII FEMALE				
PONTELLA MIMOCERAMI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 1N:

NET 1 NET 2 NET 3 NET 4

(cont.)

PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE				
PONTELLOPSIS VILLOSA MALE				
PONTELLOPSIS VILLOSA FEMALE				
PONTELLOPSIS IMMATURE				
PONTELLINA PLUMATA MALE				
PONTELLINA PLUMATA FEMALE				
PONTELLINA IMMATURE	137.9	0.0	0.0	0.0
IMMATURE & UNIDENTIFIED CALANOID	5482.8	4137.9	4275.9	4627.6
CYCLIPOIDA	275.9	0.0	0.0	413.8
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA				
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
HARPACTICOIDA	137.9	0.0	0.0	0.0
CALIGOIDA				
COPEPOD NAUPLIUS				
ECHINODERM LARVAE				
CHAETOGNATHS	7586.2	9241.4	11862.1	6344.8
TUNICATES				
DOLIOLIDS	275.9	137.9	137.9	551.7
LARVACEANS	137.9	413.8	275.9	551.7
SALPS				
FISH	275.9	25.9	137.9	0.0
FISH EGGS	137.9	275.9	551.7	965.5
HALOBATES MICANS				
PLANT STEMS	PRESENT			
PLASTIC			PRESENT	
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA			PRESENT	PRESENT
TAR	7.8	4.3	2.6	2.6
TERRESTRIAL INSECTS	569.0	422.4	422.4	413.8
WOOD	PRESENT	PRESENT	PRESENT	PRESENT
MISCELLANEOUS DEBRIS				
COPEPOD EXOSKELETONS		RARE	RARE	PRESENT
SHELL FRAGMENTS	PRESENT			
STRING				
FEATHERS				
SEA BEANS (PLANT SEEDS)				PRESENT
TOTAL NO. PER 1,000 CUBIC METERS	125154.	93853.	123223.	118516.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	137.9	137.9	137.9	137.9
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 16.	1/ 16.

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 1N:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1,000 CUBIC METERS	125154.	93853.	123223.	118516.
TOTAL MOLLUSCA	2776.	828.	845.	552.
TOTAL CRUSTACEA	112413.	81103.	108000.	108551.
TOTAL DECAPOD LARVAE	35310.	24552.	41655.	37379.
TOTAL COPEPODA	40552.	36965.	44828.	40138.
TOTAL ADULT PONTELLID COPEPODS	25655.	20828.	30759.	20138.
TOTAL IMMATURE PONTELLID COPEPODS	966.	1241.	1379.	1103.
TOTAL TUNICATES	414.	552.	414.	1103.
TOTAL FISH	276.	26.	138.	0.
TOTAL FISH EGGS	138.	276.	552.	966.
TAR (GRAMS PER 1,000 CUBIC METERS)	7.76	4.31	2.59	2.59

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 20:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA	0.0	415.6	207.8	207.8
SIPHONOPHORES				
PHYSALIA	51.9	90.9	39.0	39.0
PORPITA				
VELLELA	428.6	701.3	558.4	675.3
SIPHONOPHORE PARTS	RARE		RARE	COMMON
MEDUSAE				
CTENOPHORES				
NEMATODES				
POLYCHAETES				
ALCIPIDAE				
TOMOPTERIDAE				
TYPHLOSACLECIDAE				
OTHER	207.8	0.0	0.0	0.0
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS				
GASTROPOD MEROPLANKTERS				
GLAUCUS				
JANTHINA SHELLS	0.0	0.0	220.8	0.0
JANTHINA BUBBLE RAFTS	0.0	26.0	0.0	0.0
HETEROPODS				
ATLANTIDAE				
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS				
CAVOLINIA UNCINATA				
CRESEIS ACICULA	415.6	415.6	207.8	0.0
CRESEIS VIRGULA				
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS				
STYLICLA SUBULA				
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNUSONES				
OTHER				
CRUSTACEA				
AMPHIPODA	0.0	207.8	0.0	0.0
HYPERIIDAE	831.2	415.6	0.0	0.0
PHRONINIDS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIDS	1039.0	831.2	207.8	831.2
DECAPODA				
BRACHYURAN CRABS				
PORTUNID CRABS				
CARIDEAN SHRIMP	0.0	0.0	0.0	415.6
LUCIFER FAXONI	0.0	0.0	207.8	0.0
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE				
BRACHYURAN MEGALOPS	207.8	207.8	207.8	207.8
BRACHYURAN ZOEAS	207.8	0.0	0.0	0.0

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 2D:

NET 1 NET 2 NET 3 NET 4

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE				
STOMATOPOD ALIMA LARVAE				
SUPHAUSIIDS				
CUMACEA				
MYSIDACEA	0.0	0.0	0.0	415.6
OSTRACODA	0.0	207.8	0.0	0.0
CLADOCERA				
COPEPODA				
CALANIDS				
CANDACIA CURTA MALE	0.0	0.0	207.8	0.0
CANDACIA CURTA FEMALE				
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.				
CENTROPAGES FURCATUS MALE	0.0	207.8	207.8	415.6
CENTROPAGES FURCATUS FEMALE	0.0	207.8	0.0	0.0
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE				
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR	207.8	207.8	0.0	0.0
PLEUROMAMMA PISECKI FEMALE				
PLEUROMAMMA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUROMAMMA ABDOMINALIS IMMATURE				
PLEUROMAMMA SPP. IMMATURE				
RHINCALANUS CORNUTUS	415.6	207.8	207.8	0.0
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA				
TEMORA TURBINATA				
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
EUCALANUS ATTENUATUS MALE				
EUCALANUS ATTENUATUS FEMALE				
EUCALANUS SPP. MALE				
EUCALANUS SPP. FEMALE				
PONTELLIDS				
ANOMALOCERA ORNATA MALE	28259.7	39688.3	42805.2	40311.7
ANOMALOCERA ORNATA FEMALE	15506.5	25766.2	28051.9	25974.0
ANOMALOCERA ORNATA IMMATURE	17562.3	14961.0	15792.2	17246.8
CALANOPIA AMERICANA MALE				
CALANOPIA AMERICANA FEMALE				
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	207.8	207.8	0.0	0.0
LABIDOCERA AESTIVA FEMALE	0.0	207.8	0.0	0.0
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE				
PONTELLA MEADII MALE				
PONTELLA MEADII FEMALE				
PONTELLA MIMOCERAMI	207.8	0.0	0.0	0.0
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 2D:

NET 1 NET 2 NET 3 NET 4

(cont.)

PONTELLA SP. MALE				
PONTELLA SP. FEMALE				
PONTELLA IMMATURE				
PONTELLOPSIS VILLOSA MALE	207.8	0.0	415.6	207.8
PONTELLOPSIS VILLOSA FEMALE	207.8	0.0	0.0	207.8
PONTELLOPSIS IMMATURE	207.8	0.0	0.0	0.0
PONTELLINA PLUMATA MALE				
PONTELLINA PLUMATA FEMALE				
PONTELLINA IMMATURE				
IMMATURE & UNIDENTIFIED CALANOID	0.0	531.2	207.8	0.0
CYCLOPOIDA	0.0	0.0	207.8	415.6
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA				
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
HARPACTICOIDA				
CALIGOIDA				
COPEPOD NAUPLIUS				
ECHINODERM LARVAE				
CHAETOGNATHS				
TUNICATES				
DOLIOLIDS	3740.3	5518.2	3948.1	4779.2
LARVACEANS	0.0	0.0	207.8	0.0
SALPS				
FISH	26.0	0.0	0.0	26.0
FISH EGGS	34909.1	43013.0	50285.7	41974.0
HALOBATES MICANS				
PLANT STEMS				
PLASTIC	PRESENT		PRESENT	
SARGASSUM	PRESENT		PRESENT	PRESENT
SARGASSUM FAUNA	PRESENT	PRESENT		PRESENT
TAR	66.2	49.4	81.8	75.3
TERRESTRIAL INSECTS	13.0	13.0	207.8	13.0
WOOD				
MISCELLANEOUS DEBRIS				PRESENT
COPEPOD EXOSKELETONS			RARE	RARE
SHELL FRAGMENTS				PRESENT
STRING				
FEATHERS				
SEA BEANS (PLANT SEEDS)				
TOTAL NO. PER 1,000 CUBIC METERS	135169.	134857.	144610.	134363.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	207.8	207.8	207.8	207.8
ALIQUOT SIZE	1/16.	1/16.	1/16.	1/16.

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 20:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1,000 CUBIC METERS	135169.	134857.	144610.	134363.
TOTAL MOLLUSCA	416.	442.	429.	0.
TOTAL CRUSTACEA	95376.	84363.	88727.	86649.
TOTAL DECAPOD LARVAE	416.	208.	208.	208.
TOTAL COPEPODA	93091.	82493.	88104.	84779.
TOTAL ADULT PONTELLID COPEPODS	74597.	65870.	71273.	66701.
TOTAL IMMATURE PONTELLID COPEPODS	17870.	14961.	15792.	17247.
TOTAL TUNICATES	3740.	5818.	4156.	4779.
TOTAL FISH	26.	0.	0.	26.
TOTAL FISH EGGS	34909.	43013.	50286.	41974.
TAP (GRAMS PER 1,000 CUBIC METERS)	66.23	49.35	81.82	75.32

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 2N:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA	0.0	320.0	320.0	160.0
SIPHONOPHORES				
PHYSALIA	10.0	0.0	0.0	0.0
PORPITA				
VELLELA	170.0	240.0	100.0	230.0
SIPHONOPHORE PARTS	ABUNDANT	ABUNDANT	ABUNDANT	ABUNDANT
MEDUSAE	1600.0	1600.0	640.0	800.0
CTENOPHORES				
NEMATODES	0.0	0.0	160.0	0.0
POLYCHAETES				
ALCIDIIDAE				
TOMOPTERIDAE	0.0	480.0	0.0	0.0
TYPHLOSCOLECIDAE	0.0	0.0	0.0	160.0
OTHER	0.0	160.0	0.0	0.0
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS				
GASTROPOD MEROPLANKTERS	160.0	1290.0	480.0	640.0
GLAUCUS	0.0	0.0	10.0	0.0
JANTHINA SHELLS				
JANTHINA BUBBLE RAFTS				
HETEROPODS				
ATLANTIDAE				
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS	0.0	0.0	160.0	0.0
CAVOLINIA UNCINATA				
CRESEIS ACICULA				
CRESEIS VIRGULA				
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES	0.0	0.0	0.0	160.0
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS	1120.0	3200.0	1440.0	2880.0
STYLIOLA SUBULA				
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER	640.0	800.0	160.0	480.0
CRUSTACEA				
AMPHIPODA	640.0	800.0	320.0	800.0
HYPERIIDAE	14400.0	18560.0	14240.0	21440.0
PHRONIMIDS	0.0	0.0	160.0	0.0
PHRONINA COLLETTI				
BARNACLE NAUPLII	160.0	0.0	0.0	0.0
BARNACLE CYPRIIDS	0.0	640.0	0.0	160.0
DECAPODA				
BRACHYURAN CRABS				
POPTUNID CRABS	0.0	0.0	10.0	0.0
CARIDEAN SHRIMP	800.0	640.0	320.0	1440.0
LUCIFER FAXONI	6080.0	12960.0	10720.0	9760.0
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE				
BRACHYURAN MEGALOPS	1120.0	3040.0	2240.0	1280.0
BRACHYURAN ZOEAS	1120.0	1760.0	1280.0	1920.0

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 2N:

NET 1 NET 2 NET 3 NET 4

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE	160.0	1760.0	320.0	320.0
STOMATOPOD ALINA LARVAE	320.0	160.0	160.0	480.0
EUPHAUSIIDS	320.0	640.0	320.0	800.0
CUMACEA				
MYSIDACEA	0.0	320.0	320.0	160.0
OSTRACODA	1760.0	4640.0	4000.0	4760.0
CLADOCEFA				
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE	0.0	160.0	160.0	0.0
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.	0.0	160.0	160.0	0.0
CENTROPAGES FURCATUS MALE				
CENTROPAGES FURCATUS FEMALE	320.0	960.0	640.0	480.0
EUCHAETA MARINA MALE	0.0	160.0	0.0	0.0
EUCHAETA MARINA FEMALE	0.0	160.0	160.0	0.0
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE	0.0	320.0	0.0	160.0
NANNOCALANUS MINDR	1600.0	3680.0	1760.0	1920.0
PLEUROMANNA PISECKI FEMALE				
PLEUROMANNA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUROMANNA ABDOMINALIS IMMATURE				
PLEUROMANNA SPP. IMMATURE				
RHINCALANUS CORNUTUS	3200.0	5120.0	4480.0	6400.0
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	800.0	2720.0	2880.0	480.0
TEMORA TURBINATA	800.0	1440.0	1120.0	1440.0
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
EUCALANUS ATTENUATUS MALE	800.0	480.0	480.0	800.0
EUCALANUS ATTENUATUS FEMALE	480.0	800.0	1120.0	1120.0
EUCALANUS SPP. MALE	480.0	320.0	480.0	320.0
EUCALANUS SPP. FEMALE	1280.0	1280.0	1600.0	1760.0
PONTELLIDS				
ANOMALOCERA ORNATA MALE	24960.0	23680.0	26080.0	24160.0
ANOMALOCERA ORNATA FEMALE	7520.0	11520.0	12160.0	9600.0
ANOMALOCERA ORNATA IMMATURE	19360.0	15680.0	15040.0	16640.0
CALANOPIA AMERICANA MALE	960.0	960.0	320.0	1120.0
CALANOPIA AMERICANA FEMALE	1600.0	1280.0	800.0	1760.0
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	4480.0	5120.0	3840.0	4480.0
LABIDOCERA AESTIVA FEMALE	1120.0	2240.0	2080.0	960.0
LABIDOCERA SCOTTI MALE	0.0	0.0	160.0	0.0
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	1280.0	1920.0	1760.0	2240.0
PONTELLA MEADII MALE				
PONTELLA MEADII FEMALE				
PONTELLA MINOCERAMI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 2N:

NET 1 NET 2 NET 3 NET 4

(cont.)

PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE				
PONTELLOPSIS VILLOSA MALE	320.0	320.0	0.0	160.0
PONTELLOPSIS VILLOSA FEMALE	160.0	160.0	0.0	0.0
PONTELLOPSIS IMMATURE	0.0	480.0	160.0	320.0
PONTELLINA PLUMATA MALE	160.0	0.0	0.0	0.0
PONTELLINA PLUMATA FEMALE	160.0	160.0	0.0	0.0
PONTELLINA IMMATURE	0.0	0.0	160.0	480.0
IMMATURE & UNIDENTIFIED CALANOID	3680.0	1920.0	3360.0	3520.0
CYCLOPOIDA	0.0	160.0	320.0	0.0
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA	0.0	0.0	160.0	160.0
SAPPHIRINA METALLINA	0.0	160.0	160.0	160.0
SAPPHIRINA SPP.				
HARPACTICOIDA	160.0	0.0	0.0	0.0
CALIGOIDA				
COPEPOD NAUPLIUS	160.0	480.0	320.0	160.0
ECHINODERM LARVAE				
CHAETOGNATHS	2880.0	3360.0	5120.0	2560.0
TUNICATES				
DOLIOLIDS	7040.0	7200.0	4960.0	8320.0
LARVACEANS	1600.0	4000.0	4160.0	5120.0
SALPS	10.0	0.0	0.0	0.0
FISH	160.0	500.0	10.0	190.0
FISH EGGS	6400.0	9920.0	8000.0	7840.0
HALOBATES MICANS				
PLANT STEMS				
PLASTIC	PRESENT			
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA		PRESENT	PRESENT	PRESENT
TAP	76.0	36.0	26.0	40.0
TERRESTRIAL INSECTS	10.0	160.0	320.0	0.0
WOOD			PRESENT	
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS	RARE	RARE		RARE
SHELL FRAGMENTS				
STRING				
FEATHERS				
SEA BEANS (PLANT SEEDS)				
TOTAL NO. PER 1,000 CUBIC METERS	124520.	163140.	142370.	153860.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	160.0	160.0	160.0	160.0
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 16.	1/ 16.

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 2N:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1,000 CUBIC METERS	124520.	163140.	142370.	153860.
TOTAL MOLLUSCA	1920.	5280.	2250.	4160.
TOTAL CRUSTACEA	102560.	129440.	116010.	124160.
TOTAL DECAPOD LARVAE	2400.	6560.	3840.	3520.
TOTAL COPEPODA	73680.	83520.	81600.	80640.
TOTAL ADULT PONTELLID COPEPODS	41440.	45440.	45440.	42240.
TOTAL IMMATURE PONTELLID COPEPODS	20640.	18080.	17120.	19680.
TOTAL TUNICATES	8650.	11200.	9120.	13440.
TOTAL FISH	160.	500.	10.	190.
TOTAL FISH EGGS	6400.	9920.	8000.	7840.
TAR (GRAMS PER 1,000 CUBIC METERS)	76.00	36.00	26.00	40.00

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 30:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA	177.8	0.0	0.0	177.8
SIPHONOPHORES				
PHYSALIA				
PORPITA				
VELLELA	533.3	822.2	244.4	444.4
SIPHONOPHORE PARTS	ABUNDANT	ABUNDANT	ABUNDANT	ABUNDANT
MEDUSAE	711.1	1600.0	888.9	888.9
CTENOPHORES	122.2	111.1	288.9	222.2
NEMATODES				
POLYCHAETES				
ALCISOPIIDAE				
TOMOPTERIDAE				
TYPHLOSACLECIDAE	0.0	0.0	177.8	0.0
OTHER	0.0	177.8	0.0	0.0
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS				
GASTROPOD MEROPLANKTERS	0.0	355.6	0.0	177.8
GLAUCUS				
JANTHINA SHELLS	11.1	0.0	11.1	0.0
JANTHINA BUBBLE RAFTS	0.0	0.0	11.1	0.0
HETEROPODS				
ATLANTIDAE	0.0	0.0	177.8	0.0
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA	66.7	44.4	77.8	177.8
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS	0.0	0.0	0.0	11.1
CAVOLINIA UNCINATA	0.0	177.8	0.0	0.0
CRESEIS ACICULA	1066.7	1244.4	888.9	355.6
CRESEIS VIRGULA				
DIACRIA QUADRIIDENTATA				
LIMACINA BULINOIDES				
LIMACINA INFLATA				
LIMACINA TRUCHIFORMIS				
STYLIGLA SUBULA				
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER				
CRUSTACEA				
ANPHIPODA	244.4	577.8	11.1	33.3
HYPERIIDAE	3022.2	2133.3	888.9	0.0
PHRONIMIOS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIDS	1066.7	1955.6	533.3	355.6
DECAPODA				
BRACHYURAN CRABS				
PORTUNID CRABS	11.1	44.4	0.0	0.0
CARIDEAN SHRIMP	0.0	188.9	0.0	0.0
LUCIFER FAXONI	1600.0	1066.7	1600.0	1422.2
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE				
BRACHYURAN MEGALOPS	3200.0	3377.8	4444.4	4977.8
BRACHYURAN ZEAES	177.8	711.1	177.8	177.8

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 3D:

NET 1 NET 2 NET 3 NET 4

(cont.)

MACRURAN LARVAE				
SHRIMP LARVAE	544.4	177.8	0.0	0.0
STOMATOPOD ALIMA LARVAE	1277.8	355.6	888.9	711.1
EUPHAUSIID	0.0	177.8	0.0	0.0
CUMACEA				
MYSIDACEA				
OSTRACODA				
CLADOCERA				
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CUPTA FEMALE	0.0	177.8	0.0	0.0
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.				
CENTROPAGES FURCATUS MALE				
CENTROPAGES FURCATUS FEMALE	0.0	533.3	0.0	533.3
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE				
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR	177.8	0.0	0.0	0.0
PLEUROMAMMA PISECKI FEMALE				
PLEUROMAMMA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUROMAMMA ABDONINALIS IMMATURE				
PLEUROMAMMA SPP. IMMATURE				
RHINCALANUS CORNUTUS				
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	711.1	1066.7	1422.2	888.9
TEMORA TURBINATA	1066.7	1600.0	711.1	0.0
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
EUCALANUS ATTENUATUS MALE				
EUCALANUS ATTENUATUS FEMALE				
EUCALANUS SPP. MALE				
EUCALANUS SPP. FEMALE	0.0	711.1	177.8	0.0
PONTELLIDS				
ANOMALOCERA ORNATA MALE	75199.9	59733.3	54400.0	57777.8
ANOMALOCERA ORNATA FEMALE	44444.4	33777.8	30577.8	31644.4
ANOMALOCERA ORNATA IMMATURE	355.6	533.3	1066.7	355.6
CALANOPIA AMERICANA MALE				
CALANOPIA AMERICANA FEMALE				
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	1066.7	888.9	533.3	1422.2
LABIDOCERA AESTIVA FEMALE	355.6	888.9	711.1	888.9
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	0.0	177.8	0.0	0.0
PONTELLA MEADII MALE				
PONTELLA MEADII FEMALE				
PONTELLA MINOCERAMI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				

TABLE 1 CONT'D

MARCH 1977:

TRANSECT II:

STATION 3D:

NET 1 NET 2 NET 3 NET 4

(cont.)

PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE				
PONTELLOPSIS VILLOSA MALE	0.0	0.0	177.8	0.0
PONTELLOPSIS VILLOSA FEMALE				
PONTELLOPSIS IMMATURE	533.3	0.0	0.0	0.0
PONTELLINA PLUMATA MALE				
PONTELLINA PLUMATA FEMALE				
PONTELLINA IMMATURE				
IMMATURE & UNIDENTIFIED CALANOID	177.8	355.6	177.8	355.6
CYCLOPOIDA	0.0	355.6	0.0	0.0
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA				
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
MARPACTICOIDA				
CALIGOIDA				
COPEPOD NAUPLIUS				
ECHINODERM LARVAE				
CHAETOGNATHS	355.6	0.0	177.8	0.0
TUNICATES				
DOLIOLIDS	0.0	888.9	711.1	355.6
LARVACEANS				
SALPS				
FISH	733.3	33.3	44.4	177.8
FISH EGGS	1066.7	1422.2	1244.4	4800.0
HALOBATES MICANS				
PLANT STEMS				
PLASTIC		PRESENT		
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA	PRESENT	PRESENT		
TAR	98.9	55.6	30.0	45.6
TERRESTRIAL INSECTS	0.0	188.9	0.0	177.8
WOOD				
MISCELLANEOUS DEBRIS				
COPEPOD EXOSKELETONS				
SHELL FRAGMENTS				
STRING				
FEATHERS				PRESENT
SEA BEANS (PLANT SEEDS)				
TOTAL NO. PER 1,000 CUBIC METERS	140077.	118633.	103444.	109511.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	177.8	177.8	177.8	177.8
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 16.	1/ 16. 1/

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 30:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1,000 CUBIC METERS	140077.	118633.	103444.	109511.
TOTAL MOLLUSCA	1144.	1822.	1167.	722.
TOTAL CRUSTACEA	135233.	111566.	98500.	101544.
TOTAL DECAPOD LARVAE	3922.	4267.	4622.	5156.
TOTAL COPEPODA	124089.	100809.	89955.	93866.
TOTAL ADULT PONTELLID COPEPODS	121067.	95289.	86400.	91733.
TOTAL IMMATURE PONTELLID COPEPODS	889.	711.	1067.	356.
TOTAL TUNICATES	0.	889.	711.	356.
TOTAL FISH	733.	33.	44.	178.
TOTAL FISH EGGS	1067.	1422.	1244.	4800.
TAR (GRAMS PER 1,000 CUBIC METERS)	98.89	55.56	30.00	45.56

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION JM:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA	1185.2	0.0	790.1	0.0
SIPHONOPHORES				
PHYSALIA				
PORPITA				
VELLELA	24.7	24.7	24.7	74.1
SIPHONOPHORE PARTS	RARE	RARE	RARE	RARE
MEDUSAE	790.1	3950.6	4345.7	1975.3
CTENOPHORES	0.0	0.0	790.1	395.1
NEMATODES				
POLYCHAETES				
ALCIOPIOIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE				
OTHER				
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS				
GASTROPOD MEROPLANKTERS	0.0	0.0	0.0	395.1
GLAUCUS	0.0	0.0	0.0	12.3
JANTHINA SHELLS				
JANTHINA BUBBLE RAFTS				
HETEROPODS				
ATLANTIDAE	0.0	0.0	790.1	790.1
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA	0.0	395.1	0.0	395.1
CAVOLINIA LONGIROSTRIS	0.0	0.0	395.1	0.0
CAVOLINIA UNCINATA				
CRESEIS ACICULA	0.0	395.1	0.0	0.0
CRESEIS VIRGULA				
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS	0.0	395.1	0.0	0.0
STYLIOLA SUBULA	0.0	0.0	0.0	395.1
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER	0.0	12.3	0.0	0.0
CRUSTACEA				
AMPHIPODA	395.1	395.1	395.1	12.3
HYPERIIDAE	55308.6	91259.3	68740.7	66370.3
PHRONIMIDS	790.1	0.0	0.0	395.1
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIIDS				
DECAPODA				
BRACHYURAN CRABS	0.0	0.0	12.3	0.0
PORTUNID CRABS	0.0	0.0	12.3	0.0
CARIDEAN SHRIMP	580.2	950.6	506.2	1370.4
LUCIFER FAXONI	12642.0	24093.8	19358.0	15012.3
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE				
BRACHYURAN MEGALOPS	8382.7	12271.6	14234.6	17024.7
BRACHYURAN ZOEAE	3950.6	7518.5	7111.1	3950.6

TABLE 1 CONT.'D

MARCH 1977:

TRANSECT II:

STATION 3N:

NET 1 NET 2 NET 3 NET 4

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRUPAN LARVAE				
SHRIMP LARVAE	5444.4	3469.1	4086.4	4172.8
STOMATOPOD ALIMA LARVAE	814.8	432.1	814.8	24.7
EUPHAUSIIDS	395.1	0.0	1580.2	790.1
CUMACEA				
MYSIDACEA	407.4	432.1	12.3	419.8
OSTRACODA	27654.3	64395.1	42666.7	38716.0
CLADOCERA				
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE				
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.	395.1	395.1	395.1	0.0
CENTROPAGES FURCATUS MALE	2765.4	3555.6	3160.5	3160.5
CENTROPAGES FURCATUS FEMALE	3950.6	7901.2	14222.2	10666.7
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE	0.0	0.0	0.0	395.1
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR	5135.8	3950.6	9086.4	3950.6
PLEUROMAMMA PISECKI FEMALE	0.0	0.0	0.0	790.1
PLEUROMAMMA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUROMAMMA ABDOMINALIS IMMATURE				
PLEUROMAMMA SPP. IMMATURE				
RHINCALANUS CORNUTUS	0.0	790.1	0.0	0.0
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	0.0	790.1	395.1	0.0
TEMORA TURBINATA	0.0	395.1	0.0	0.0
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
EUCALANUS ATTENUATUS MALE	0.0	0.0	395.1	0.0
EUCALANUS ATTENUATUS FEMALE				
EUCALANUS SPP. MALE	2370.4	395.1	395.1	395.1
EUCALANUS SPP. FEMALE	4345.7	13037.0	7506.2	5925.9
PONTELLIDS				
ANOMALOCERA ORNATA MALE	1185.2	790.1	3555.6	395.1
ANOMALOCERA ORNATA FEMALE	2370.4	790.1	1580.2	0.0
ANOMALOCERA ORNATA IMMATURE	790.1	790.1	790.1	395.1
CALANOPIA AMERICANA MALE	395.1	0.0	790.1	395.1
CALANOPIA AMERICANA FEMALE	1185.2	1975.3	1975.3	0.0
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	6716.0	10666.7	13432.1	11061.7
LABIDOCERA AESTIVA FEMALE	2370.4	395.1	1185.2	4740.7
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	395.1	790.1	790.1	395.1
PONTELLA MEADII MALE				
PONTELLA MEADII FEMALE				
PONTELLA MIMOCERAMI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				

TABLE 1 CONT'D

MARCH 1977:

TRANSECT II:

STATION 3N:

NET 1 NET 2 NET 3 NET 4

(cont.)

PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE				
PONTELLOPSIS VILLOSA MALE				
PONTELLOPSIS VILLOSA FEMALE				
PONTELLOPSIS IMMATURE				
PONTELLINA PLUMATA MALE				
PONTELLINA PLUMATA FEMALE				
PONTELLINA IMMATURE				
IMMATURE & UNIDENTIFIED CALANOID	0.0	0.0	0.0	395.1
CYCLOPOIDA	0.0	790.1	395.1	790.1
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA	395.1	395.1	0.0	395.1
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
HARPACTICOIDA				
CALIGOIDA				
COPEPOD NAUPLIUS				
ECHINODERM LARVAE				
CHAETOGNATHS	3111.1	7938.3	6123.5	4246.9
TUNICATES				
OCCILIOLIDS	114172.8	146962.9	122864.2	84543.2
LARVACEANS	0.0	0.0	1185.2	395.1
SALPS				
FISH	5012.3	6592.6	7913.6	5963.0
FISH EGGS	395.1	1580.2	395.1	1185.2
HALOBATES MICANS				
PLANT STEMS				
PLASTIC				PRESENT
SARGASSUM				
SARGASSUM FAUNA				
TAR				
TERRESTRIAL INSECTS				
WOOD		PRESENT		
MISCELLANEOUS DEBRIS				
COPEPOD EXOSKELETONS	RARE		RARE	
SHELL FRAGMENTS				
STRING				
FEATHERS				
SEA BEANS (PLANT SEEDS)				
TOTAL NO. PER 1,000 CUBIC METERS	276221.	422060.	365196.	293270.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	395.1	395.1	395.1	395.1
ALIQUOT SIZE	1/ 32.	1/ 32.	1/ 32.	1/ 32. 1/

TABLE 1 CONT.'D

MARCH 1977: TRANSECT II: STATION 3N:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1,000 CUBIC METERS	276221.	422060.	365196.	293270.
TOTAL MOLLUSCA	0.	1198.	1185.	1988.
TOTAL CRUSTACEA	151531.	253814.	219580.	192506.
TOTAL DECAPOD LARVAE	17778.	23259.	25432.	25148.
TOTAL COPEPODA	34765.	48593.	60049.	44247.
TOTAL ADULT PONTELLID COPEPODS	14222.	14617.	22519.	16593.
TOTAL IMMATURE PONTELLID COPEPODS	1185.	1580.	1580.	790.
TOTAL TUNICATES	114173.	146963.	124049.	84938.
TOTAL FISH	5012.	6593.	7914.	5963.
TOTAL FISH EGGS	395.	1580.	395.	1185.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.00	0.00	0.00	0.00

TABLE 1 CONT.'D

APRIL 1977: TRANSECT II: STATION ID:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA	0.0	0.0	0.0	195.1
SIPHONOPHORES				
PHYSALIA				
PORPITA				
VELLELA				
SIPHONOPHORE PARTS		RARE		
MEDUSAE	8195.1	9951.2	5658.5	5073.2
CTENOPHORES				
NEMATODES				
POLYCHAETES				
ALCIDIPOIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE				
OTHER	0.0	585.4	0.0	0.0
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS	195.1	195.1	0.0	0.0
GASTROPOD MEROPLANKTERS	195.1	195.1	0.0	0.0
GLAUCUS				
JANTHINA SHELLS				
JANTHINA BUBBLE RAFTS				
HETEROPODS				
ATLANTIDAE				
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS				
CAVOLINIA UNCINATA				
CRESEIS ACICULA				
CRESEIS VIRGULA				
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS				
STYLIOLA SUBULA				
HYALOCYLIS STRIATA				
PERACCLIS SPP.				
GYMNOSOMES				
OTHER				
CRUSTACEA				
AMPHIPODA				
HYPERIIDAE	2926.8	975.6	585.4	2926.8
PHRONIMIDS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIOS				
DECAPODA				
BRACHYURAN CRABS				
PORTUNID CRABS				
CARIDEAN SHRIMP				
LUCIFER FAXONI	2926.8	1170.7	975.6	2341.5
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE	0.0	0.0	0.0	195.1
BRACHYURAN MEGALOPS	0.0	195.1	0.0	0.0
BRACHYURAN ZOEAE	2926.8	10926.8	5268.3	5463.4

TABLE 1 CONT'D

APRIL 1977:

TRANSECT II:

STATION 1D:

NET 1 NET 2 NET 3 NET 4

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE	585.4	975.6	1365.9	390.2
STOMATOPOD ALIMA LARVAE	0.0	585.4	0.0	195.1
EUPHAUSIID	195.1	0.0	0.0	0.0
CUMACEA				
MYSIDACEA				
OSTRACODA				
CLADOCERA	2341.5	1756.1	975.6	2146.3
COPEPODA				
CALANOID				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE				
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.				
CENTROPAGES FURCATUS MALE	0.0	0.0	195.1	195.1
CENTROPAGES FURCATUS FEMALE	195.1	195.1	195.1	0.0
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE	195.1	0.0	0.0	0.0
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR				
PLEUROMANNA PISECKI FEMALE				
PLEUROMANNA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUROMANNA ABDOMINALIS IMMATURE				
PLEUROMANNA SPP. IMMATURE				
RHINCALANUS CORNUTUS				
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	390.2	0.0	780.5	780.5
TEMORA TURBINATA	1170.7	1951.2	1756.1	1951.2
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
UNDINULA VULGARIS IMMATURES				
EUCALANUS ATTENUATUS MALE				
EUCALANUS ATTENUATUS FEMALE				
EUCALANUS ATTENUATUS IMMATURES				
EUCALANUS ELONGATUS MALES				
EUCALANUS ELONGATUS FEMALES				
EUCALANUS ELONGATUS IMMATURES				
EUCALANUS PILEATUS MALES				
EUCALANUS PILEATUS FEMALES				
EUCALANUS PILEATUS IMMATURES				
NEOCALANUS GRACILIS MALES				
NEOCALANUS GRACILIS FEMALES				
NEOCALANUS GRACILIS IMMATURES				
EUCALANUS SPP. MALE	0.0	0.0	0.0	195.1
EUCALANUS SPP. FEMALE	195.1	0.0	390.2	195.1
PONTELLIDS				
ANOMALOCERA ORNATA MALE	585.4	975.6	975.6	195.1
ANOMALOCERA ORNATA FEMALE	195.1	0.0	390.2	585.4
ANOMALOCERA ORNATA IMMATURE	6243.9	5463.4	1561.0	3122.0
CALANOPIA AMERICANA MALE				
CALANOPIA AMERICANA FEMALE				
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	2536.6	390.2	0.0	1170.7

TABLE 1 CONT.'D

APRIL 1977:

TRANSECT II:

STATION 1D:

NET 1 NET 2 NET 3 NET 4

(cont.)

	NET 1	NET 2	NET 3	NET 4
LABIDOCERA AESTIVA FEMALE	0.0	195.1	0.0	195.1
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	1365.9	1170.7	2341.5	2146.3
PONTELLA MEADII MALE	5268.3	6439.0	5463.4	2341.5
PONTELLA MEADII FEMALE	1756.1	1951.2	2146.3	1561.0
PONTELLA MIMOCERAMI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				
PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE	2731.7	1756.1	1756.1	1170.7
PONTELLOPSIS VILLOSA MALE	0.0	195.1	0.0	0.0
PONTELLOPSIS VILLOSA FEMALE				
PONTELLOPSIS IMMATURE	0.0	0.0	0.0	195.1
PONTELLINA PLUMATA MALE				
PONTELLINA PLUMATA FEMALE				
PONTELLINA IMMATURE				
IMMATURE & UNIDENTIFIED CALANOID	585.4	975.6	195.1	390.2
CYCLIPOIDA	0.0	1365.9	585.4	780.5
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA				
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
HARPACTICOIDA				
CALIGOIDA				
COPEPOD NAUPLIUS				
ECHINODERM LARVAE				
CHAETOGNATHS	23024.4	22634.1	22048.8	16585.4
TUNICATES				
ODOLIOLIDS	0.0	585.4	0.0	0.0
LARVACEANS	975.6	1170.7	1951.2	0.0
SALPS				
FISH	792.7	2109.8	1597.6	390.2
FISH EGGS	5073.2	4292.7	3122.0	4487.8
HALOBATES MICANS				
PLANT STEMS				
PLASTIC			PRESENT	PRESENT
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA				
TAR	7.1	13.1	7.0	3.1
TERRESTRIAL INSECTS	3731.7	1561.0	2146.3	975.6
WOOD				
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS	RARE		RARE	RARE
SHELL FRAGMENTS				
STRING				
FEATHERS				
SEA BEANS (PLANT SEEDS)		PRESENT		
TOTAL NO. PER 1.000 CUBIC METERS	77500.	82890.	64427.	58537.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	195.1	195.1	195.1	195.1
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 16.	1/ 16.

TABLE 1 CONT'D

APRIL 1977: TRANSECT II: STATION 10:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1,000 CUBIC METERS	77500.	82890.	64427.	58537.
TOTAL MOLLUSCA	390.	390.	0.	0.
TOTAL CRUSTACEA	35317.	38244.	27317.	30049.
TOTAL DECAPOD LARVAE	3512.	12098.	6634.	6049.
TOTAL COPEPODA	23415.	21659.	18146.	16390.
TOTAL ADULT PONTELLID COPEPODS	10341.	10146.	8976.	6049.
TOTAL IMMATURE PONTELLID COPEPODS	10341.	8390.	5659.	6634.
TOTAL TUNICATES	976.	1756.	1951.	0.
TOTAL FISH	793.	2110.	1598.	390.
TOTAL FISH EGGS	5073.	4293.	3122.	4488.
TAR (GRAMS PER 1,000 CUBIC METERS)	7.06	13.10	6.95	3.13

TABLE 1 CONT'D

APRIL 1977: TRANSECT III: STATION IN:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA				
SIPHONOPHORES				
PHYSALIA				
PORPITA				
VELLELA				
SIPHONOPHORE PARTS		RARE	RARE	RARE
MEDUSAE	3581.0	6247.6	7923.8	5752.4
CTENOPHORES				
NEMATODES				
POLYCHAETES				
ALCIDIIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE	38.1	0.0	0.0	0.0
OTHER	0.0	76.2	38.1	0.0
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS	1828.6	1371.4	1600.0	419.0
GASTROPOD MEROPLANKTERS	114.3	304.8	190.5	76.2
GLAUCUS	0.0	0.0	38.1	0.0
JANTHINA SHELLS				
JANTHINA BUBBLE RAFTS				
HETEROPODS				
ATLANTIDAE	0.0	0.0	114.3	0.0
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS				
CAVOLINIA UNCINATA				
CRESEIS ACICULA	0.0	0.0	38.1	0.0
CRESEIS VIGULA				
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS	76.2	38.1	0.0	0.0
STYLIOLA SUBULA				
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER				
CRUSTACEA				
AMPHIPODA				
HYPERIIDAE	723.8	1676.2	1523.8	3542.9
PHRONIMIDS				
PHRONIMA COLLETTI	152.4	190.5	0.0	76.2
BARNACLE NAUPLII				
BARNACLE CYPRIOS				
DECAPODA				
BRACHYURAN CRABS				
PORTUNID CRABS	0.0	76.2	0.0	0.0
CARIDEAN SHRIMP				
LUCIFER FAXONI	838.1	2742.9	2514.3	1371.4
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE	0.0	0.0	0.0	38.1
BRACHYURAN MEGALOPS	76.2	190.5	38.1	152.4
BRACHYURAN ZOEAS	3542.9	3314.3	3542.9	3200.0

APRIL 1977:

TABLE 1 CONT.'D

TRANSECT II:

STATION 1N:

NET 1 NET 2 NET 3 NET 4

(cont.)

MACRURAN LARVAE				
SHRIMP LARVAE	342.9	152.4	342.9	761.9
STOMATOPOD ALINA LARVAE	0.0	38.1	190.5	38.1
EUPHAUSIIDS	76.2	0.0	0.0	0.0
CUMACEA				
MYSIDACEA	38.1	76.2	76.2	38.1
OSTRACODA	114.3	190.5	152.4	647.6
CLADOCERA	342.9	1104.8	1181.0	761.9
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE				
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.				
CENTROPAGES FURCATUS MALE	38.1	38.1	0.0	0.0
CENTROPAGES FURCATUS FEMALE	228.6	228.6	266.7	457.1
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE				
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
HANNOCALANUS MINOR	0.0	0.0	0.0	38.1
PLEUROMAMMA PISECKI FEMALE				
PLEUROMAMMA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUROMAMMA ABDOMINALIS IMMATURE				
PLEUROMAMMA SPP. IMMATURE				
RHINCALANUS CORNUTUS				
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	838.1	1447.6	1523.8	838.1
TEMORA TURBINATA	3695.2	8114.3	6095.2	5485.7
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
UNDINULA VULGARIS IMMATURES				
EUCALANUS ATTENUATUS MALE				
EUCALANUS ATTENUATUS FEMALE				
EUCALANUS ATTENUATUS IMMATURES				
EUCALANUS ELONGATUS MALES				
EUCALANUS ELONGATUS FEMALES				
EUCALANUS ELONGATUS IMMATURES				
EUCALANUS PILEATUS MALES				
EUCALANUS PILEATUS FEMALES				
EUCALANUS PILEATUS IMMATURES				
NEOCALANUS GRACILIS MALES				
NEOCALANUS GRACILIS FEMALES				
NEOCALANUS GRACILIS IMMATURES				
EUCALANUS SPP. MALE	0.0	0.0	114.3	76.2
EUCALANUS SPP. FEMALE	190.5	76.2	152.4	228.6
PONTELLIDS				
ANOMALOCERA ORNATA MALE	304.8	152.4	342.9	190.5
ANOMALOCERA ORNATA FEMALE	0.0	76.2	76.2	76.2
ANOMALOCERA ORNATA IMMATURE	723.8	533.3	952.4	761.9
CALANOPIA AMERICANA MALE	0.0	38.1	38.1	38.1
CALANOPIA AMERICANA FEMALE	0.0	0.0	38.1	38.1
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	5790.5	8571.4	11314.3	6590.5

TABLE 1 CONT.'D

APRIL 1977:

TRANSECT II:

STATION 1N:

NET 1 NET 2 NET 3 NET 4

(cont.)

	NET 1	NET 2	NET 3	NET 4
LABIDOCERA AESTIVA FEMALE	495.2	685.7	1295.2	533.3
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	1866.7	4990.5	3733.3	4000.0
PONTELLA MEADII MALE	1028.6	1600.0	1485.7	952.4
PONTELLA MEADII FEMALE	800.0	1142.9	838.1	419.0
PONTELLA MIMOCERANI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				
PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE	304.8	228.6	1219.0	761.9
PONTELLOPSIS VILLOSA MALE	0.0	0.0	38.1	0.0
PONTELLOPSIS VILLOSA FEMALE				
PONTELLOPSIS IMMATURE	38.1	723.8	0.0	0.0
PONTELLINA PLUMATA MALE				
PONTELLINA PLUMATA FEMALE				
PONTELLINA IMMATURE				
IMMATURE & UNIDENTIFIED CALANOID	990.5	495.2	1142.9	457.1
CYCLOPOIDA	152.4	228.6	76.2	381.0
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA				
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
HARPACTICOIDA				
CALIGOIDA				
COPEPOD NAUPLIUS				
ECHINODERM LARVAE				
CHAETOGNATHS	13904.8	25447.6	34704.8	16495.2
TUNICATES				
DOLIOLIDS	0.0	0.0	152.4	0.0
LAPVACEANS	609.5	419.0	228.6	266.7
SALPS				
FISH	190.5	228.6	238.1	381.0
FISH EGGS	2704.8	4723.8	4647.6	4152.4
HALOBATES MICANS				
PLANT STEMS				
PLASTIC				
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA	PRESENT	PRESENT	PRESENT	
TAR	0.0	7.6	1.0	0.8
TERRESTRIAL INSECTS	685.7	2895.2	4666.7	2085.7
WOOD				
MISCELLANEOUS DEBRIS				PRESENT
COPEPOD EXOSKELETONS		RARE		RARE
SHELL FRAGMENTS				
STRING				
FEATHERS				
SEA BEANS (PLANT SEEDS)				
TOTAL NO. PER 1,000 CUBIC METERS	47457.	80876.	94885.	62581.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	38.1	38.1	38.1	38.1
ALIQUOT SIZE	1/ 4.	1/ 4.	1/ 4.	1/ 4. 1/

TABLE 1 CONT'D

APRIL 1977: TRANSECT II: STATION IN:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1,000 CUBIC METERS	47467.	80876.	94885.	62581.
TOTAL MOLLUSCA	2019.	1714.	1981.	495.
TOTAL CRUSTACEA	23581.	38895.	40229.	32571.
TOTAL DECAPOD LARVAE	3962.	3657.	3924.	4152.
TOTAL COPEPODA	17333.	29143.	30667.	21943.
TOTAL ADULT PONTELLID COPEPODS	8419.	12267.	15467.	8838.
TOTAL IMMATURE PONTELLID COPEPODS	2933.	6476.	5905.	5524.
TOTAL TUNICATES	610.	419.	381.	267.
TOTAL FISH	190.	229.	238.	381.
TOTAL FISH EGGS	2705.	4724.	4648.	4152.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.04	7.65	1.05	0.84

TABLE 1 CONT.'D

APRIL 1977: TRANSECT II: STATION 20:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA	57.1	57.1	0.0	57.1
SIPHONOPHORES				
PHYSALIA				
PORPITA	114.3	0.0	57.1	0.0
VELLELA				
SIPHONOPHORE PARTS	COMMON	RARE	RARE	RARE
MEDUSAE				
CTENOPHORES				
NEMATODES				
POLYCHAETES				
ALCIOPIIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE	57.1	57.1	0.0	57.1
OTHER	0.0	0.0	0.0	57.1
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS				
GASTROPOD MEROPLANKTERS	57.1	71.4	57.1	57.1
GLAJCUS	28.6	0.0	0.0	0.0
JANTHINA SHELLS				
JANTHINA BUBBLE RAFTS				
METEROPODS				
ATLANTIDAE				
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS				
CAVOLINIA UNCINATA				
CRESEIS ACICULA				
CRESEIS VIRGULA	1428.6	1200.0	1257.1	1428.6
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS	57.1	114.3	0.0	57.1
STYLICLA SUBULA				
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER	0.0	114.3	114.3	171.4
CRUSTACEA				
AMPHIPODA	57.1	0.0	0.0	0.0
HYPERIIDAE	65314.3	29028.6	16571.4	54228.6
PHRONIMIDS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIDS				
DECAPODA				
BRACHYURAN CRABS				
PORTUNID CRABS				
CARIDEAN SHRIMP				
LUCIFER FAXONI	2000.0	800.0	1600.0	1428.6
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE	0.0	0.0	57.1	0.0
BRACHYURAN MEGALOPS				
BRACHYURAN ZOEAS	7485.7	6914.3	6400.0	7657.1

APRIL 1977:

TABLE 1 CONT.'D

TRANSECT II:

STATION 2D:

NET 1 NET 2 NET 3 NET 4

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE				
STOMATOPOD ALINA LARVAE				
EUPHAUSIID				
CUMACEA				
MYSIDACEA				
OSTRACODA	57.1	57.1	57.1	114.3
CLADOCERA	285.7	457.1	57.1	285.7
COPEPODA				
CALANOID				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE				
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.				
CENTROPAGES FURCATUS MALE	171.4	457.1	285.7	285.7
CENTROPAGES FURCATUS FEMALE	457.1	457.1	400.0	114.3
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE				
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR	114.3	114.3	114.3	114.3
PLEUROMAMMA PISECKI FEMALE	57.1	0.0	0.0	0.0
PLEUROMAMMA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUROMAMMA ABDOMINALIS IMMATURE				
PLEUROMAMMA SPP. IMMATURE				
RHINCALANUS CORNUTUS				
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	228.6	342.9	457.1	114.3
TEMORA TURBINATA				
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
UNDINULA VULGARIS IMMATURES				
EUCALANUS ATTENUATUS MALE				
EUCALANUS ATTENUATUS FEMALE				
EUCALANUS ATTENUATUS IMMATURES				
EUCALANUS ELONGATUS MALES				
EUCALANUS ELONGATUS FEMALES				
EUCALANUS ELONGATUS IMMATURES				
EUCALANUS PILEATUS MALES				
EUCALANUS PILEATUS FEMALES				
EUCALANUS PILEATUS IMMATURES				
NEOCALANUS GRACILIS MALES				
NEOCALANUS GRACILIS FEMALES				
NEOCALANUS GRACILIS IMMATURES				
EUCALANUS SPP. MALE				
EUCALANUS SPP. FEMALE	0.0	57.1	0.0	57.1
MONTELLIDS				
ANOMALOCERA ORNATA MALE	1542.9	1485.7	1485.7	1314.3
ANOMALOCERA ORNATA FEMALE	914.3	914.3	1085.7	1257.1
ANOMALOCERA ORNATA IMMATURE	2400.0	3029.6	3485.7	3200.0
CALANOPTIA AMERICANA MALE	0.0	57.1	0.0	0.0
CALANOPTIA AMERICANA FEMALE				
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	171.4	342.9	57.1	171.4

APRIL 1977:

TABLE 1 CONT.'D

TRANSECT II:

STATION 2D:

NET 1 NET 2 NET 3 NET 4

(cont.)

	NET 1	NET 2	NET 3	NET 4
LABIDOCERA AESTIVA FEMALE	342.9	171.4	171.4	342.9
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	0.0	57.1	57.1	57.1
PONTELLA MEADII MALE				
PONTELLA MEADII FEMALE	57.1	57.1	0.0	0.0
PONTELLA MIMOCERAMI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE	0.0	0.0	0.0	57.1
PONTELLA ATLANTICA FEMALE				
PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE	342.9	228.6	285.7	457.1
PONTELLOPSIS VILLOSA MALE	57.1	0.0	0.0	57.1
PONTELLOPSIS VILLOSA FEMALE	0.0	57.1	57.1	0.0
PONTELLOPSIS IMMATURE	285.7	114.3	0.0	0.0
PONTELLINA PLUMATA MALE				
PONTELLINA PLUMATA FEMALE				
PONTELLINA IMMATURE				
IMMATURE & UNIDENTIFIED CALANOID	171.4	171.4	228.6	114.3
CYCLOPOIDA	228.6	114.3	114.3	400.0
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA				
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
MARPACTICOIDA				
CALIGOIDA				
COPEPOD NAUPLIUS				
ECHINODERM LARVAE				
CHAETOGNATHS	914.3	971.4	1085.7	914.3
TUNICATES				
OOLIOLIOS				
LARVACEANS	742.9	1257.1	400.0	857.1
SALPS				
FISH	14.3	0.0	0.0	71.4
FISH EGGS	22114.3	24857.1	22228.6	23428.6
HALOSATES MICANS	57.1	114.3	171.4	71.4
PLANT STEMS				
PLASTIC				
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA				
TAP	1.4	2.4	3.1	1.4
TERRESTRIAL INSECTS	457.1	800.0	585.7	314.3
WOOD				
MISCELLANEOUS DEBRIS		PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS			RARE	
SHELL FRAGMENTS				
STRING				
FEATHERS				
SEA BEANS (PLANT SEEDS)	PRESENT			
TOTAL NO. PER 1,000 CUBIC METERS	9384.3	75100.	58986.	99371.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	57.1	57.1	57.1	57.1
ALIQUOT SIZE	1/ 4.	1/ 4.	1/ 4.	1/ 4. 1/

TABLE 1 CONT.'D

APRIL 1977: TRANSECT II: STATION 20:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1.000 CUBIC METERS	38843.	75100.	58986.	99371.
TOTAL MOLLUSCA	1571.	1500.	1429.	1714.
TOTAL CRUSTACEA	62514.	45371.	32914.	71428.
TOTAL DECAPOD LARVAE	7486.	6914.	6457.	7657.
TOTAL COPEPODA	7314.	8114.	8171.	7714.
TOTAL ADULT PONTELLID COPEPODS	3086.	3086.	2857.	3200.
TOTAL IMMATURE PONTELLID COPEPODS	3029.	3429.	3829.	3714.
TOTAL TUNICATES	743.	1257.	400.	857.
TOTAL FISH	14.	0.	0.	71.
TOTAL FISH EGGS	22114.	24857.	22229.	23429.
TAR (GRAMS PER 1.000 CUBIC METERS)	1.43	2.40	3.13	1.43

TABLE 1 CONT.'D

APRIL 1977: TRANSECT 11: STATION 24:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA				
SIPHONOPHORES				
PHYSALIA				
PORPITA				
VELLELA	0.0	58.3	9.7	9.7
SIPHONOPHORE PARTS	RARE		RARE	RARE
MEDUSAE	0.0	932.0	310.7	310.7
CTENOPHORES				
NEMATODES				
POLYCHAETES				
ALCICPIIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE				
OTHER	621.4	621.4	310.7	0.0
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS	621.4	310.7	310.7	1553.4
GASTROPOD MEROPLANKTERS	932.0	310.7	0.0	2796.1
GLAUCUS	9.7	9.7	0.0	0.0
JANTHINA SHELLS				
JANTHINA BUBBLE RAFTS				
HETEROPODS				
ATLANTIDAE	932.0	932.0	0.0	932.0
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS				
CAVOLINIA UNGINATA				
CRESEIS ACICULA	310.7	0.0	310.7	0.0
CRESEIS VIRGULA				
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS	1242.7	2485.4	1553.4	2485.4
STYLIOLA SUBULA				
HYALOCYLIS STRIATA				
PEPAELIS SPP.				
GYMNOSOMES				
OTHER	0.0	621.4	310.7	621.4
CRUSTACEA				
AMPHIPODA				
HYPERIIDAE	230524.3	179883.4	242640.8	203805.8
PHRONIMIDS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIDS				
DECAPODA				
BRACHYURAN CRABS				
PORTUNID CRABS	9.7	0.0	0.0	9.7
CARIDEAN SHRIMP	1563.1	2796.1	621.4	1553.4
LUCIFER FAXONI	10873.8	14912.6	12116.5	12737.9
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE	12427.2	15534.0	11805.8	14912.6
BRACHYURAN MEGALOPS	54504.8	119922.3	79223.3	92271.8
BRACHYURAN ZOEAS				

TABLE 1 CONT.'D

APRIL 1977:

TRANSECT II:

STATION 2N:

NET 1 NET 2 NET 3 NET 4

(cont.)

MACRURAN LARVAE				
SHRIMP LARVAE	12427.2	13048.5	10563.1	15844.7
STOMATOPOD ALINA LARVAE	621.4	1553.4	621.4	1242.7
EUPHAUSIID	621.4	0.0	0.0	0.0
CUMACEA				
MYSIDACEA	2174.8	3417.5	4970.9	2485.4
OSTRACODA	31058.0	57475.7	37592.2	43805.8
CLADOCERA	0.0	0.0	0.0	310.7
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE				
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.				
CENTROPAGES FURCATUS MALE	3417.5	7145.6	4970.9	4660.2
CENTROPAGES FURCATUS FEMALE	3728.2	11805.8	5592.2	6213.6
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE				
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR	932.0	1864.1	2174.8	1553.4
PLEUROMAMMA PISECKI FEMALE				
PLEUROMAMMA GRACILIS FEMALE	0.0	0.0	310.7	0.0
P. GRACILIS + PISECKI MALES				
PLEUROMAMMA ABDOMINALIS IMMATURE				
PLEUROMAMMA SPP. IMMATURE				
RHINCALANUS CORNUTUS	0.0	0.0	0.0	310.7
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	310.7	932.0	932.0	0.0
TEMORA TURBINATA	0.0	310.7	0.0	310.7
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
UNDINULA VULGARIS IMMATURES				
EUCALANUS ATTENUATUS MALE				
EUCALANUS ATTENUATUS FEMALE				
EUCALANUS ATTENUATUS IMMATURES				
EUCALANUS ELONGATUS MALES				
EUCALANUS ELONGATUS FEMALES				
EUCALANUS ELONGATUS IMMATURES				
EUCALANUS PILEATUS MALES				
EUCALANUS PILEATUS FEMALES				
EUCALANUS PILEATUS IMMATURES				
NEOCALANUS GRACILIS MALES				
NEOCALANUS GRACILIS FEMALES				
NEOCALANUS GRACILIS IMMATURES				
EUCALANUS SPP. MALE	0.0	0.0	310.7	621.4
EUCALANUS SPP. FEMALE	4660.2	8388.3	7767.0	4038.8
PONTELLIDS				
ANOMALOCERA ORNATA MALE	2485.4	3728.2	2485.4	621.4
ANOMALOCERA ORNATA FEMALE	3728.2	1242.7	1553.4	621.4
ANOMALOCERA ORNATA IMMATURE	621.4	621.4	621.4	932.0
CALANCIPIA AMERICANA MALE	310.7	1864.1	621.4	2485.4
CALANCIPIA AMERICANA FEMALE	932.0	2485.4	2485.4	4970.9
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	39767.0	52194.2	41631.1	30446.6

TABLE 1 CONT.'D

APRIL 1977:

TRANSECT II:

STATION 2N:

NET 1 NET 2 NET 3 NET 4

(cont.)

LABIDOCERA AESTIVA FEMALE	8388.3	10563.1	11184.5	7456.3
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	2485.4	2796.1	2485.4	3417.5
PONTELLA MEADII MALE	0.0	310.7	310.7	310.7
PONTELLA MEADII FEMALE				
PONTELLA MINOCERAMI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				
PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE				
PONTELLOPSIS VILLOSA MALE	0.0	0.0	310.7	0.0
PONTELLOPSIS VILLOSA FEMALE				
PONTELLOPSIS IMMATURE				
PONTELLINA PLUMATA MALE				
PONTELLINA PLUMATA FEMALE				
PONTELLINA IMMATURE				
IMMATURE & UNIDENTIFIED CALANOID	6213.6	8699.0	9009.7	8388.3
CYCLOPOIDA	932.0	310.7	621.4	1553.4
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA	1242.7	0.0	0.0	0.0
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
HARPACTICOIDA				
CALIGOIDA				
COPEPOD NAUPLIUS				
ECHINODERM LARVAE				
CHAETOGNATHS	31068.0	41631.1	30135.9	41941.7
TUNICATES				
DOLIOLIDS	0.0	932.0	310.7	0.0
LARVACEANS	310.7	0.0	0.0	0.0
SALPS				
FISH	660.2	330.1	660.2	631.1
FISH EGGS	9941.7	16776.7	9320.4	8699.0
HALOBATES MICANS	58.3	941.7	932.0	621.4
PLANT STEMS				
PLASTIC				
SARGASSUM	PRESENT			
SARGASSUM FAUNA	PRESENT			
TAR	0.0	0.2	0.0	0.8
TERRESTRIAL INSECTS	6213.6	4669.9	3436.9	3728.2
WOOD				
MISCELLANEOUS DEBRIS				
COPEPOD EXOSKELETONS	RARE		RARE	
SHELL FRAGMENTS				
STRING				
FEATHERS				
SEA BEANS (PLANT SEEDS)				
TOTAL NO. PER 1,000 CUBIC METERS	319892.	595368.	543445.	532222.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	310.7	310.7	310.7	310.7
ALIQUOT SIZE	1/ 32.	1/ 32.	1/ 32.	1/ 32. 1/

TABLE 1 CONT.'D

APRIL 1977: TRANSECT II: STATION 2N:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1,000 CUBIC METERS	519892.	595368.	543445.	532222.
TOTAL MOLLUSCA	4049.	4670.	2485.	8388.
TOTAL CRUSTACEA	464796.	523495.	494912.	466339.
TOTAL DECAPOD LARVAE	109359.	148505.	101592.	123029.
TOTAL COPEPODA	77980.	114951.	94757.	77359.
TOTAL ADULT PONTELLID COPEPODS	35612.	72388.	60583.	46913.
TOTAL IMMATURE PONTELLID COPEPODS	3107.	3417.	3107.	4350.
TOTAL TUNICATES	311.	932.	311.	0.
TOTAL FISH	650.	330.	660.	631.
TOTAL FISH EGGS	9942.	16777.	9320.	8699.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.00	0.18	0.00	0.80

TABLE 1 CONT.'D

APRIL 1977: TRANSECT II: STATION 30:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA	581.8	872.7	581.8	581.8
SIPHONOPHORES				
PHYSALIA	0.0	18.2	0.0	0.0
PORPITA	290.9	290.9	290.9	0.0
VELLELA	0.0	18.2	0.0	0.0
SIPHONOPHORE PARTS	COMMON	COMMON	COMMON	COMMON
MEDUSAE	1454.5	1745.5	2036.4	1454.5
CTENOPHORES				
NEMATODES				
POLYCHAETES				
ALCIPIDAE				
TCHOPTERIDAE				
TYPHLOSCOLECIDAE				
OTHER				
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS	290.9	0.0	290.9	0.0
GASTROPOD MEROPLANKTERS	0.0	0.0	290.9	0.0
GLAUCUS				
JANTHINA SHELLS				
JANTHINA BUBBLE RAFTS				
HETEROPODS				
ATLANTIDAE	581.8	2036.4	1745.5	290.9
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA				
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS				
CAVOLINIA UNGINATA				
CRESEIS ACICULA				
CRESEIS VIRGULA	581.8	872.7	1454.5	290.9
DIACRIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA				
LIMACINA TROCHIFORMIS	1163.6	290.9	1454.5	0.0
STYLIOLA SUBULA				
HYALOCYLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER	0.0	0.0	290.9	0.0
CRUSTACEA				
AMPHIPODA	0.0	290.9	0.0	0.0
HYPERIIDAE	18618.2	21818.2	17745.4	28472.7
PHRONIMIOS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIOS				
DECAPODA				
BRACHYURAN CRABS				
PORTUNID COABS				
CARIDEAN SHRIMP				
LUCIFER FAXONI	6690.9	7563.6	10763.6	7854.5
LUCIFER TYPUS				
LARVAE				
ANOMURAN CRAB LARVAE				
BRACHYURAN MEGALOPS				
BRACHYURAN ZOEAS	6690.9	9309.1	6400.0	2327.3

TABLE 1 CONT.'D

APRIL 1977:

TRANSECT II:

STATION 3D:

NET 1 NET 2 NET 3 NET 4

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE	1163.6	1163.6	872.7	872.7
STOMATOPOD ALIMA LARVAE	9600.0	8145.4	6690.9	4072.7
EUPHAUSIIDOS	1454.5	1163.6	290.9	581.8
CUMACEA				
MYSIDACEA				
OSTRACODA	2036.4	2036.4	2909.1	2036.4
CLADOCERA	3200.0	5818.2	2909.1	4654.5
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE	0.0	0.0	0.0	290.9
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE				
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.	581.8	0.0	0.0	0.0
CENTROPAGES FURCATUS MALE				
CENTROPAGES FURCATUS FEMALE	290.9	0.0	1745.5	1163.6
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE				
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR	0.0	290.9	0.0	0.0
PLEUROMAMMA PISECKI FEMALE	290.9	0.0	290.9	0.0
PLEUROMAMMA GRACILIS FEMALE				
P. GRACILIS + PISECKI MALES				
PLEUROMAMMA ABDOMINALIS IMMATURE				
PLEUROMAMMA SPP. IMMATURE				
PHINCALANUS CORNUTUS				
PHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	6400.0	5818.2	11927.3	6400.0
TEMORA TURBINATA	581.8	872.7	290.9	290.9
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
UNDINULA VULGARIS IMMATURES				
EUCALANUS ATTENUATUS MALE				
EUCALANUS ATTENUATUS FEMALE	0.0	0.0	0.0	290.9
EUCALANUS ATTENUATUS IMMATURES				
EUCALANUS ELONGATUS MALES				
EUCALANUS ELONGATUS FEMALES				
EUCALANUS ELONGATUS IMMATURES				
EUCALANUS PILEATUS MALES				
EUCALANUS PILEATUS FEMALES				
EUCALANUS PILEATUS IMMATURES				
NEOCALANUS GRACILIS MALES				
NEOCALANUS GRACILIS FEMALES				
NEOCALANUS GRACILIS IMMATURES				
EUCALANUS SPP. MALE				
EUCALANUS SPP. FEMALE	581.8	3781.8	6981.8	1745.5
PONTELLIDS				
ANOMALOCERA ORNATA MALE	2036.4	1163.6	1163.6	872.7
ANOMALOCERA ORNATA FEMALE	581.8	1163.6	1163.6	0.0
ANOMALOCERA ORNATA IMMATURE	290.9	581.8	0.0	0.0
CALANOPIA AMERICANA MALE				
CALANOPIA AMERICANA FEMALE				
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	8436.4	12509.1	19781.8	7272.7

APRIL 1977:	TABLE 1 CONT.'D			
TRANSECT II:				
STATION 3D:	NET 1	NET 2	NET 3	NET 4
(cont.)				
LABIDOCERA AESTIVA FEMALE	9309.1	11054.5	17454.5	6400.0
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	34036.3	31418.2	45381.8	25890.9
PONTELLA MEADII MALE				
PONTELLA MEADII FEMALE	0.0	0.0	581.8	290.9
PONTELLA MIMOCRAMI	290.9	0.0	0.0	0.0
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				
PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE				
PONTELLOPSIS VILLOSA MALE	872.7	581.8	872.7	290.9
PONTELLOPSIS VILLOSA FEMALE	290.9	581.8	581.8	0.0
PONTELLOPSIS IMMATURE	290.9	0.0	0.0	0.0
PONTELLINA PLUMATA MALE	1745.5	1454.5	1454.5	1454.5
PONTELLINA PLUMATA FEMALE	0.0	290.9	0.0	0.0
PONTELLINA IMMATURE				
IMMATURE & UNIDENTIFIED CALANOID	8727.3	3781.8	4072.7	4945.4
CYCLOPOIDA	4654.5	2618.2	2909.1	2036.4
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE				
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE				
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA	0.0	0.0	3200.0	290.9
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
HAPPACTICOIDA				
CALIGOIDA				
COPEPOD NAUPLIUS				
ECHINODERM LARVAE	872.7	0.0	0.0	0.0
CHAETOGNATHS	51200.0	68363.6	55854.5	39272.7
TUNICATES				
DOLIOLIDS	4072.7	3200.0	2327.3	2618.2
LARVACEANS	581.8	2909.1	2909.1	1745.5
SALPS	290.9	0.0	1163.6	290.9
FISH	18.2	0.0	1163.6	0.0
FISH EGGS	5818.2	11345.4	0.0	8145.4
HALOBATES MICANS	0.0	581.8	290.9	290.9
PLANT STEMS				
PLASTIC				PRESENT
SARGASSUM				
SARGASSUM FAUNA				
TAR	9.2	0.6	0.3	1.6
TERRESTRIAL INSECTS	2909.1	1454.5	2327.3	3781.8
WOOD				
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS				
SHELL FRAGMENTS				
STRING				
FEATHERS				
SEA BEANS (PLANT SEEDS)				
TOTAL NO. PER 1,000 CUBIC METERS	200454.	229272.	242908.	167563.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	290.9	290.9	290.9	290.9
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 16.	1/ 16. 1/

TABLE 1 CONT.'D

APRIL 1977: TRANSECT II: STATION 33:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1,000 CUBIC METERS	200454.	229272.	242908.	167563.
TOTAL MOLLUSCA	2618.	3200.	5527.	592.
TOTAL CRUSTACEA	125090.	132654.	162327.	106472.
TOTAL DECAPOD LARVAE	7855.	10473.	7273.	3200.
TOTAL COPEPODA	75636.	75345.	113745.	57600.
TOTAL ADULT PONTELLID COPEPODS	23564.	28800.	43055.	16582.
TOTAL IMMATURE PONTELLID COPEPODS	34618.	32000.	45382.	25891.
TOTAL TUNICATES	4945.	6109.	6400.	4655.
TOTAL FISH	18.	0.	1164.	0.
TOTAL FISH EGGS	5818.	11345.	0.	8145.
TAR (GRAMS PER 1,000 CUBIC METERS)	9.20	0.58	0.29	1.60

TABLE 1 CONT'D

APRIL 1977: TRANSECT II: STATION 3N:	NET 1	NET 2	NET 3	NET 4
FORAMINIFERA	0.0	192.8	385.5	578.3
SIPHONOPHORES				
PHYSALIA	0.0	0.0	0.0	12.0
PORPITA				
VELLELA	12.0	12.0	0.0	12.0
SIPHONOPHORE PARTS	COMMON	COMMON	COMMON	COMMON
MEDUSAE	963.9	385.5	578.3	385.5
CTENOPHORES				
NEMATODES				
POLYCHAETES				
ALCIOPIIDAE				
TOMOPTERIDAE				
TYPHLOSCOLECIDAE	192.8	0.0	0.0	0.0
OTHER	0.0	0.0	0.0	192.8
UNIDENTIFIED WORM				
MOLLUSCA				
BIVALVE MEROPLANKTERS	0.0	1349.4	385.5	192.8
GASTROPOD MEROPLANKTERS	192.8	385.5	192.8	192.8
GLAUCUS				
JANTHINA SHELLS				
JANTHINA BUBBLE RAFTS				
HETEROPODS				
ATLANTIDAE	192.8	192.8	578.3	192.8
PTEROTRACHEIDAE				
PTEROPODS				
CAVOLINIA GIBBOSA	24.1	12.0	24.1	36.1
CAVOLINIA INFLEXA				
CAVOLINIA LONGIROSTRIS				
CAVOLINIA UNCINATA				
CRESEIS ACICULA	0.0	192.8	0.0	0.0
CRESEIS VIRGULA	192.8	0.0	578.3	0.0
DIACFIA QUADRIDENTATA				
LIMACINA BULIMOIDES				
LIMACINA INFLATA	192.8	192.8	963.9	0.0
LIMACINA TROCHIFORMIS	1542.2	4241.0	2506.0	2313.3
STYLICLA SUBULA	0.0	192.8	0.0	0.0
HYALOCYCLIS STRIATA				
PERACLIS SPP.				
GYMNOSOMES				
OTHER	192.8	0.0	192.8	0.0
CRUSTACEA				
AMPHIPODA	0.0	192.8	0.0	192.8
HYPERIIDAE	53807.2	53204.8	63807.2	56674.7
PHRONIMIDS				
PHRONIMA COLLETTI				
BARNACLE NAUPLII				
BARNACLE CYPRIDS				
DECAPODA				
BRACHYURAN CRABS				
PORTUNID CRABS				
CARIDEAN SHRIMP	5397.6	4048.2	5397.6	3662.7
LUCIFER FAXONI	12337.3	15228.9	19662.6	18120.5
LUCIFER TYPUS				
LARVAE	192.8	0.0	0.0	0.0
ANOMURAN CRAB LARVAE				
BRACHYURAN MEGALOPS	771.1	1734.9	963.9	1927.7
BRACHYURAN ZOEAS	68819.3	88096.4	79228.9	72289.1

TABLE 1 CONT.'D

APRIL 1977:

TRANSECT II:

STATION 3N:

NET 1 NET 2 NET 3 NET 4

(cont.)

	NET 1	NET 2	NET 3	NET 4
MACRURAN LARVAE				
SHRIMP LARVAE	3662.7	6361.4	4048.2	2891.6
STOMATOPOD ALINA LARVAE	9831.3	12722.9	14457.8	12915.7
EUPHAUSIIDS	10216.9	10602.4	7132.5	9253.0
CUMACEA				
MYSIDACEA				
OSTRACODA	12722.9	16771.1	11373.5	8481.9
CLADOCERA	192.8	578.3	385.5	192.8
COPEPODA				
CALANOIDS				
CANDACIA CURTA MALE				
CANDACIA CURTA FEMALE	192.8	192.8	192.8	0.0
CANDACIA PACHYDACTYLA MALE				
CANDACIA PACHYDACTYLA FEMALE				
CANDACIA BIPINNATA MALE	0.0	192.8	0.0	0.0
CANDACIA BIPINNATA FEMALE				
CANDACIA SPP.	0.0	192.8	385.5	192.8
CENTROPAGES FURCATUS MALE	192.8	578.3	0.0	0.0
CENTROPAGES FURCATUS FEMALE	578.3	771.1	771.1	1349.4
EUCHAETA MARINA MALE				
EUCHAETA MARINA FEMALE				
EUCHAETA SPP.				
EUCHAETA SPP. IMMATURE				
NANNOCALANUS MINOR	4819.3	7132.5	3469.9	2120.5
PLEUROMAMMA PISECKI FEMALE	2891.6	1927.7	1542.2	771.1
PLEUROMAMMA GRACILIS FEMALE	1734.9	1349.4	385.5	963.9
P. GRACILIS + PISECKI MALES	578.3	385.5	385.5	385.5
PLEUROMAMMA ABDOMINALIS IMMATURE	0.0	0.0	0.0	192.8
PLEUROMAMMA SPP. IMMATURE	192.8	0.0	0.0	0.0
RHINCALANUS CORNUTUS	385.5	0.0	385.5	0.0
RHINCALANUS UNIDENTIFIED				
TEMORA STYLIFERA	3469.9	7903.6	5012.0	4048.2
TEMORA TURBINATA	0.0	0.0	192.8	0.0
PARACANDACIA BISPINOSA MALE				
PARACANDACIA BISPINOSA FEMALE				
UNDINULA VULGARIS MALE				
UNDINULA VULGARIS FEMALE				
UNDINULA VULGARIS IMMATURES	192.8	0.0	0.0	192.8
EUCALANUS ATTENUATUS MALE	192.8	0.0	0.0	0.0
EUCALANUS ATTENUATUS FEMALE	385.5	771.1	578.3	192.8
EUCALANUS ATTENUATUS IMMATURES				
EUCALANUS ELONGATUS MALES				
EUCALANUS ELONGATUS FEMALES				
EUCALANUS ELONGATUS IMMATURES				
EUCALANUS PILEATUS MALES				
EUCALANUS PILEATUS FEMALES				
EUCALANUS PILEATUS IMMATURES				
NEOCALANUS GRACILIS MALES				
NEOCALANUS GRACILIS FEMALES				
NEOCALANUS GRACILIS IMMATURES				
EUCALANUS SPP. MALE	578.3	192.8	0.0	0.0
EUCALANUS SPP. FEMALE	8481.9	12530.1	10602.4	7132.5
PONTELLIDS				
ANOMALOCERA CRNATA MALE				
ANOMALOCERA CRNATA FEMALE				
ANOMALOCERA CRNATA IMMATURE	0.0	192.8	0.0	0.0
CALANOPIA AMERICANA MALE				
CALANOPIA AMERICANA FEMALE	0.0	192.8	0.0	192.8
LABIDOCERA ACUTIFRONS MALE				
LABIDOCERA ACUTIFRONS FEMALE				
LABIDOCERA AESTIVA MALE	578.3	3277.1	1542.2	1542.2

TABLE 1 CONT.'D

APRIL 1977:

TRANSECT II:

STATION 3N:

NET 1 NET 2 NET 3 NET 4

(cont.)

	NET 1	NET 2	NET 3	NET 4
LABIDOCERA AESTIVA FEMALE	1734.9	578.3	192.8	1156.6
LABIDOCERA SCOTTI MALE				
LABIDOCERA SCOTTI FEMALE				
LABIDOCERA IMMATURE	578.3	963.9	1349.4	963.9
PONTELLA HEADII MALE				
PONTELLA HEADII FEMALE				
PONTELLA MINOCERANI				
PONTELLA SECURIFER MALE				
PONTELLA SECURIFER FEMALE				
PONTELLA ATLANTICA MALE				
PONTELLA ATLANTICA FEMALE				
PONTELLA SP. "A" MALE				
PONTELLA SP. "A" FEMALE				
PONTELLA IMMATURE	192.8	0.0	192.8	0.0
PONTELLOPSIS VILLOSA MALE	0.0	192.8	0.0	0.0
PONTELLOPSIS VILLOSA FEMALE	192.8	0.0	385.5	0.0
PONTELLOPSIS IMMATURE	0.0	0.0	192.8	192.8
PONTELLINA PLUMATA MALE	192.8	192.8	0.0	192.8
PONTELLINA PLUMATA FEMALE	0.0	192.8	0.0	385.5
PONTELLINA IMMATURE	192.8	0.0	385.5	385.5
IMMATURE & UNIDENTIFIED CALANOID	1349.4	2698.8	1734.9	2120.5
CYCLOPOIDA	771.1	385.5	578.3	385.5
COPILIA MIRABILIS MALE				
COPILIA MIRABILIS FEMALE	192.8	0.0	0.0	0.0
COPILIA QUADRATA MALE				
COPILIA QUADRATA FEMALE	0.0	0.0	0.0	192.8
SAPPHIRINA STELLATA				
SAPPHIRINA NIGROMACULATA	385.5	192.8	0.0	0.0
SAPPHIRINA METALLINA				
SAPPHIRINA SPP.				
HARPACTICOIDA				
CALIGOIDA				
COPEPOD NAUPLIUS	192.8	0.0	0.0	192.8
ECHINODERM LARVAE				
CHAETOGNATHS	46650.6	51084.3	42987.9	36433.7
TUNICATES				
DOLIOLIDS	4048.2	3662.7	3469.9	3662.7
LARVACEANS	4048.2	3855.4	2598.8	5012.0
SALPS	385.5	385.5	0.0	192.8
FISH	590.4	975.9	626.5	228.9
FISH EGGS	2598.8	4433.7	2698.8	4048.2
HALOBATES MICANS	0.0	385.5	385.5	192.8
PLANT STEMS				
PLASTIC				
SARGASSUM				
SARGASSUM FAUNA				
TAR	0.8	3.1	0.4	0.0
TETRESTRIAL INSECTS	2698.8	3084.3	3662.7	5204.8
WOOD				
MISCELLANEOUS DEBRIS				
COPEPOD EXOSKELETONS				
SHELL FRAGMENTS				
STRING				
FEATHERS				
SEA BEANS (PLANT SEEDS)				
TOTAL NO. PER 1.000 CUBIC METERS	284192.	327939.	299830.	271131.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	192.8	192.8	192.8	192.8
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 16.	1/ 16. 1/

TABLE 1 CONT.'D

APRIL 1977: TRANSECT II: STATION 3N:	NET 1	NET 2	NET 3	NET 4
TOTAL NO. PER 1.000 CUBIC METERS	284192.	327939.	299830.	271131.
TOTAL MOLLUSCA	2530.	6759.	5422.	2928.
TOTAL CRUSTACEA	217831.	252144.	236337.	211277.
TOTAL DECAPOD LARVAE	73446.	96193.	84241.	77108.
TOTAL COPEPODA	29879.	42602.	29879.	24675.
TOTAL ADULT PONTELLID COPEPODS	2699.	4627.	2120.	3470.
TOTAL IMMATURE PONTELLID COPEPODS	964.	1157.	2120.	1542.
TOTAL TUNICATES	8482.	7904.	6169.	8867.
TOTAL FISH	590.	976.	627.	229.
TOTAL FISH EGGS	2699.	4434.	2699.	4048.
TAR (GRAMS PER 1.000 CUBIC METERS)	0.77	3.08	0.39	0.00

TABLE 1 CONT.'D

SPRING 1977: TRANSECT I: STATION:	102	103	202	204	301	304
FORAMINIFERA	0.0	0.0	0.0	0.0	194.2	0.0
SIPHONOPHORES						
PHYSALIA						
PORPITA	0.0	0.0	2341.5	780.5	116.5	155.3
VELLELA						
SIPHONOPHORE PARTS	RARE				COMMON	COMMON
MEDUSAE	0.0	0.0	0.0	0.0	0.0	38.8
CTENOPHORES						
NEMATODES	0.0	0.0	0.0	0.0	3.0	38.8
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	4173.9	3200.0	0.0	0.0	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS						
GASTROPOD MEROPLANKTERS	3478.3	1391.3	0.0	0.0	38.8	77.7
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
METEROPODS						
ATLANTIDAE	0.0	0.0	0.0	390.2	0.0	38.8
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACTICULA						
CRESEIS VIRGULA	417.4	417.4	45268.3	149853.6	349.5	271.8
DIACRIA QUADRIDENTATA						
LIMACINA BULINOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	139.1	0.0	2341.5	6243.9	1669.9	310.7
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA	0.0	0.0	390.2	0.0	38.8	0.0
HYPERIIDAE	139.1	139.1	138536.6	69853.6	621.4	116.5
PHRONIMIDS						
PHRONIMA COLLETTI	139.1	0.0	0.0	0.0	0.0	0.0
BARNACLE NAUPLII	0.0	0.0	0.0	0.0	38.8	0.0
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORYUNIO CRABS	0.0	0.0	0.0	0.0	0.0	9.7
CARIDEAN SHRIMP						
LUCIFER FAXONI	37565.2	30747.8	42926.8	26536.6	194.2	38.8
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	1530.4	139.1	0.0	0.0	0.0	0.0
BRACHYURAN MEGALOPS	556.5	139.1	7024.4	9756.1	0.0	0.0
BRACHYURAN ZOEAE	16139.1	14469.6	3512.2	2341.5	77.7	0.0

SPRING 1977:

TABLE 1 CONT. D

TRANSECT I:

STATION:

1D2 1D3 2D2 2D4 3D1 3D4

(cont.)

	1D2	1D3	2D2	2D4	3D1	3D4
MACRURAN LARVAE						
SHRIMP LARVAE	3060.9	1669.6	3902.4	2341.5	38.8	0.0
STOMATOPOD ALINA LARVAE	0.0	0.0	1170.7	390.2	0.0	0.0
EUPHAUSIIDS	0.0	139.1	0.0	0.0	0.0	0.0
CUMACEA						
MYSIDACEA						
OSTRACODA	0.0	0.0	3902.4	1951.2	77.7	0.0
CLADOCERA	7791.3	9043.5	1951.2	2731.7	77.7	38.8
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.	0.0	0.0	0.0	0.0	77.7	0.0
CENTROPAGES FURCATUS MALE	2087.0	2087.0	2341.5	1170.7	621.4	233.0
CENTROPAGES FURCATUS FEMALE	2643.5	1252.2	2731.7	2731.7	1825.2	427.2
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR	417.4	0.0	58926.8	23604.9	77.7	38.8
PLEUROMHAMMA PISECKI FEMALE						
PLEUROMHAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUROMHAMMA ABDOMINALIS IMMATURE						
PLEUROMHAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIPERA	695.7	139.1	34731.7	16720.5	776.7	233.0
TEMORA TURBINATA	0.0	139.1	0.0	1170.7	77.7	0.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES						
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES						
EUCALANUS PILEATUS FEMALES						
EUCALANUS PILEATUS IMMATURES						
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE	139.1	0.0	10146.3	11707.3	2524.3	776.7
EUCALANUS SPP. FEMALE	417.4	139.1	30048.8	22243.9	4271.8	1747.6
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE						
CALANOPIA AMERICANA FEMALE						
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	139.1	0.0	7024.4	12097.6	38.8	0.0

TABLE 1 CONT.'D

SPRING 1977:

TRANSECT I:

STATION:

1D2 1D3 2D2 2D4 3D1 3D4

(cont.)

LABIDOCERA AESTIVA FEMALE	0.0	0.0	6634.1	9756.	0.0	0.0
LABIDOCERA SCOTTI MALE						
LABIDOCERA SCOTTI FEMALE						
LABIDOCERA IMMATURE	278.3	0.0	1170.7	780.5	38.8	0.0
PONTELLA MEADII MALE	3060.9	1530.4	390.2	1170.7	194.2	349.5
PONTELLA MEADII FEMALE	2504.3	2365.2	390.2	3512.2	116.5	38.8
PONTELLA MINOCERAMI						
PONTELLA SECURIFER MALE	0.0	0.0	0.0	0.0	699.0	0.0
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	1113.0	695.7	390.2	390.2	0.0	776.7
PONTELLOPSIS VILLOSA MALE	0.0	0.0	0.0	0.0	38.8	0.0
PONTELLOPSIS VILLOSA FEMALE	0.0	0.0	0.0	0.0	0.0	38.8
PONTELLOPSIS IMMATURE						
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE	0.0	0.0	0.0	0.0	0.0	38.8
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	278.3	139.1	1561.0	1170.7	116.5	233.0
CYCLOPOIDA	139.1	139.1	1170.7	2341.5	582.5	77.7
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE	0.0	0.0	0.0	0.0	38.8	0.0
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
MARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	5704.3	6678.3	0.0	0.0	155.3	38.8
CHAETOGNATHS	6260.9	5704.3	71414.6	59317.1	42019.4	10252.4
TUNICATES						
OOLIOLOIDS	139.1	139.1	2341.5	1170.7	1631.1	815.5
LARVACEANS	0.0	0.0	390.2	780.5	155.3	116.5
SALPS						
FISH	156.5	0.0	1573.2	390.2	281.6	271.8
FISH EGGS	1113.0	1113.0	127999.9	101853.6	14951.5	8504.9
HALOBATES MICANS	0.0	417.4	0.0	390.2	155.3	0.0
PLANT STEMS						
PLASTIC						PRESENT
SARGASSUM	PRESENT		PRESENT	PRESENT		PRESENT
SARGASSUM FAUNA	PRESENT		PRESENT	PRESENT	PRESENT	PRESENT
TAR	0.1	0.3	38.0	83.6	11.7	7.0
TERRESTRIAL INSECTS						
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT		PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS	RARE					RARE
SHELL FRAGMENTS						
STRING						
FEATHERS			PRESENT	PRESENT		
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	102417.	84174.	614646.	547901.	75000.	26146.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	139.1	139.1	390.2	390.2	38.8	38.8
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 32.	1/ 32.	1/ 4.	1/ 4.

TABLE 1 CONT.'D

SPRING 1977: TRANSECT I: STATION:	102	103	202	204	301	304
TOTAL NO. PER 1,000 CUBIC METERS	102417.	84174.	614646.	547901.	75000.	26146.
TOTAL MOLLUSCA	4035.	1809.	47610.	156486.	2058.	699.
TOTAL CRUSTACEA	80696.	64974.	359804.	224390.	12560.	5136.
TOTAL DECAPOD LARVAE	21287.	16417.	14439.	14439.	117.	0.
TOTAL COPEPODA	13774.	8487.	156487.	108487.	11495.	4932.
TOTAL ADULT PONTELLID COPEPODS	5704.	3856.	14439.	25537.	1087.	466.
TOTAL IMMATURE PONTELLID COPEPODS	1391.	656.	1561.	1171.	39.	777.
TOTAL TUNICATES	139.	139.	2732.	1951.	1786.	932.
TOTAL FISH	157.	0.	1573.	390.	282.	272.
TOTAL FISH EGGS	1113.	1113.	128000.	101854.	14951.	8505.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.14	0.28	37.95	83.59	11.73	7.01

TABLE 1 CONT.'D

SPRING 1977: TRANSECT II: STATION:	101	103	1N2	1N4	201	204
FORAMINIFERA						
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS					RARE	RARE
MEDUSAE	1333.3	1066.7	4173.9	1947.8	1600.0	266.7
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIDIIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	0.0	0.0	278.3	0.0	266.7	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	0.0	0.0	556.5	278.3	0.0	0.0
GASTROPOD MEROPLANKTERS	5600.0	6400.0	4173.9	1669.6	266.7	266.7
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	0.0	533.3	556.5	0.0	533.3	266.7
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	0.0	0.0	278.3	834.8	0.0	0.0
CRESEIS VIRGULA	266.7	2133.3	3060.9	278.3	3733.3	1333.3
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	800.0	0.0	278.3	556.5	0.0	0.0
STYLICLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER	533.3	0.0	0.0	0.0	11733.3	0.0
CRUSTACEA						
AMPHIPODA						
HYPERIIDAE	266.7	1066.7	4452.2	2782.6	46666.6	99733.3
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIIDS						
DECAPODA						
BRACHYURAN CRABS	0.0	0.0	0.0	278.3	0.0	0.0
PORTUNID CRABS						
CARIDEAN SHRIMP	10400.0	0.0	0.0	0.0	0.0	0.0
LUCIFER FAXONI	28000.0	60900.0	11587.0	12521.7	3466.7	17066.7
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	533.3	1066.7	15582.6	12243.5	266.7	0.0
BRACHYURAN MEGALOPS	266.7	2133.3	13913.0	9182.6	1866.7	5066.7
BRACHYURAN ZOEAS	4000.0	3200.0	29773.9	14747.8	2133.3	2133.3

TABLE 1 CONT'D

SPRING 1977:

TRANSECT II:

STATION:	1D1	1D3	1N2	1N4	2D1	2D4
(cont.)						
MACRURAN LARVAE						
SHRIMP LARVAE	10133.3	10133.3	13634.8	11130.4	0.0	533.3
STOMATOPOD ALIMA LARVAE	0.0	0.0	278.3	0.0	266.7	266.7
EUPHAUSIIDS						
CUMACEA						
MYSIDACEA						
OSTRACODA	0.0	1066.7	0.0	278.3	1333.3	533.3
CLADOCERA	111999.9	124266.6	67895.6	48139.1	1333.3	2133.3
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	3200.0	7466.7	4173.9	2504.3	0.0	266.7
CENTROPAGES FURCATUS FEMALE	6933.3	4266.7	11408.7	6400.0	533.3	800.0
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR						
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES	0.0	0.0	278.3	0.0	0.0	0.0
PLEUROMAMMA ABDOMINALIS IMMATURE						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	266.7	533.3	3339.1	2504.3	5066.7	4000.0
TEMORA TURBINATA	4266.7	3200.0	9739.1	11130.4	0.0	1066.7
PARACANCACIA BISPINOSA MALE						
PARACANCACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES						
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES						
EUCALANUS PILEATUS FEMALES						
EUCALANUS PILEATUS IMMATURES						
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE	2133.3	533.3	1113.0	278.3	4800.0	5066.7
EUCALANUS SPP. FEMALE	2666.7	2666.7	3339.1	834.8	0.0	7733.3
PONTELLIDS						
ANOMALOCERA CRNATA MALE						
ANOMALOCERA CRNATA FEMALE						
ANOMALOCERA CRNATA IMMATURE						
CALANOPIA AMERICANA MALE						
CALANOPIA AMERICANA FEMALE	0.0	0.0	278.3	0.0	0.0	0.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	4266.7	4800.0	53982.6	45913.0	0.0	533.3

TABLE 1 CONT'D

SPRING 1977:

TRANSECT II:

STATION:	1D1	1D3	1N2	1N4	2D1	2D4
(cont.)						
LABIDOCERA AESTIVA FEMALE	4533.3	4266.7	16695.6	15226.1	266.7	0.0
LABIDOCERA SCOTTI MALE						
LABIDOCERA SCOTTI FEMALE	266.7	0.0	0.0	0.0	0.0	0.0
LABIDOCERA IMMATURE	29866.6	29233.3	42573.9	26156.5	800.0	1333.3
PONTELLA MEADII MALE	2666.7	3733.3	1947.8	1391.3	800.0	870.0
PONTELLA MEADII FEMALE	266.7	1600.0	834.8	1113.0	0.0	800.0
PONTELLA MINOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	266.7	533.3	0.0	278.3	266.7	1066.7
PONTELLOPSIS VILLOSA MALE						
PONTELLOPSIS VILLOSA FEMALE	266.7	0.0	0.0	0.0	0.0	0.0
PONTELLOPSIS IMMATURE						
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	1066.7	1066.7	5565.2	1947.8	266.7	266.7
CYCLOPOIDA	1866.7	2133.3	556.5	278.3	900.0	1066.7
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE						
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	29600.0	21266.7	10573.9	5565.2	533.3	0.0
CHAETOGNATHS	25333.3	42666.6	39234.8	27269.6	51733.3	54933.3
TUNICATES						
OGLIOLIDS	1066.7	533.3	834.8	0.0	6400.0	5866.7
LARVACEANS	0.0	0.0	2226.1	556.5	0.0	0.0
SALPS						
FISH	0.0	533.3	1139.1	834.8	266.7	0.0
FISH EGGS	0.0	533.3	1113.0	3040.9	3200.0	1600.0
HALOBATES MICANS	0.0	533.3	0.0	0.0	0.0	0.0
PLANT STEMS						
PLASTIC						
SARGASSUM						
SARGASSUM FAUNA	PRESENT					
TAR	0.5	0.5	0.6	0.0	1.9	37.8
TERRESTRIAL INSECTS						
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT			PRESENT	PRESENT
COPEPOD EXOSKELETONS	RARE	RARE				
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	294932.	346666.	381521.	269912.	151199.	216799.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	266.7	533.3	278.3	278.3	266.7	266.7
ALIQUOT SIZE	1/ 16.	1/ 32.	1/ 32.	1/ 32.	1/ 16.	1/ 16.

TABLE 1 CONT.'D

SPRING 1977: TRANSECT II: STATION:	101	103	1N2	1N4	201	204
TOTAL NO. PER 1,000 CUBIC METERS	294932.	346666.	381521.	269912.	151199.	216799.
TOTAL MOLLUSCA	7200.	9067.	8904.	3617.	16267.	1867.
TOTAL CRUSTACEA	228533.	267733.	312487.	226782.	70133.	151200.
TOTAL DECAPOD LARVAE	14933.	16533.	72904.	47304.	4267.	7733.
TOTAL COPEPODA	62933.	64000.	155269.	115478.	12900.	23733.
TOTAL ADULT PONTELLID COPEPODS	12000.	14400.	73739.	63443.	1067.	2133.
TOTAL IMMATURE PONTELLID COPEPODS	30400.	29867.	42574.	26435.	1067.	2400.
TOTAL TUNICATES	1067.	533.	3061.	557.	6400.	5867.
TOTAL FISH	0.	533.	1139.	635.	267.	0.
TOTAL FISH EGGS	0.	533.	1113.	3061.	3200.	1600.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.53	0.53	0.56	0.00	1.95	37.80

TABLE 1 CONT.'D

SPRING 1977: TRANSECT II: STATION:	2N3	2N4	301	302	3N1	3N2
FORAMINIFERA						
SIPHONOPHORES						
PHYSALIA						
PORPITA	0.0	0.0	0.0	195.1	0.0	0.0
VELLELA						
SIPHONOPHORE PARTS	RARE	RARE	COMMON	COMMON		
MEDUSAE	615.4	4307.7	8585.4	9365.9	5600.0	10400.0
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER						
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	615.4	0.0	0.0	0.0	400.0	0.0
GASTROPOD MEROPLANKTERS	28307.7	6153.8	0.0	975.6	800.0	800.0
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	3692.3	1846.2	780.5	390.2	0.0	0.0
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	615.4	0.0	0.0	0.0	0.0	0.0
CRESEIS VIRGULA	27692.3	11592.3	20878.0	27121.9	1500.0	1600.0
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	37538.5	26461.5	975.6	2536.6	29600.0	56800.0
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA	0.0	0.0	0.0	0.0	400.0	0.0
HYPERIIDAE	407384.6	340307.6	585.4	4097.6	97200.0	99200.0
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS						
CARIDEAN SHRIMP	2461.5	8615.4	0.0	0.0	8400.0	8000.0
LUCIFER FAXONI	25846.2	19076.9	780.5	1170.7	800.0	4000.0
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	3076.9	0.0	0.0	0.0	0.0	0.0
BRACHYURAN MEGALOPS	24615.4	32615.4	0.0	0.0	74800.0	76000.0
BRACHYURAN ZOEAS	38153.8	59692.3	195.1	0.0	800.0	1600.0

SPRING 1977:

TABLE 1 CONT.'D

TRANSECT II:

STATION:	2N3	2N4	3D1	3D2	3N1	3N2
(cont.)						
MACRURAN LARVAE						
SHRIMP LARVAE	54769.2	46769.2	1365.9	585.4	9600.0	8600.0
STOMATOPOD ALINA LARVAE	615.4	615.4	0.0	0.0	0.0	1600.0
EUPHAUSIID	0.0	0.0	195.1	390.2	0.0	0.0
CUMACEA						
MYSIDACEA	1230.8	0.0	0.0	0.0	0.0	0.0
OSTRACODA	19076.9	14769.2	1365.9	2926.8	10000.0	11200.0
CLADOCERA	615.4	615.4	390.2	195.1	400.0	1600.0
COPEPODA						
CALANOID						
CANDACIA CURTA MALE	0.0	0.0	0.0	195.1	0.0	0.0
CANDACIA CURTA FEMALE	0.0	0.0	195.1	195.1	0.0	0.0
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.	0.0	0.0	0.0	0.0	400.0	800.0
CENTROPAGES FURCATUS MALE	3076.9	5538.5	3902.4	4427.8	17600.0	13600.0
CENTROPAGES FURCATUS FEMALE	9230.8	6769.2	9365.9	11707.3	22000.0	32800.0
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE	0.0	615.4	0.0	0.0	400.0	0.0
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE	0.0	0.0	0.0	0.0	400.0	0.0
NANNOCALANUS MINOR	0.0	0.0	1756.1	3122.0	2400.0	2400.0
PLEUROMAMMA PISECKI FEMALE	0.0	0.0	0.0	0.0	0.0	800.0
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES	0.0	0.0	0.0	0.0	800.0	800.0
PLEUROMAMMA ABDOMINALIS IMMATURE						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CERNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMOFA STYLIFERA	36923.1	33230.8	6634.1	11707.3	4000.0	6400.0
TEMOFA TURBINATA	3692.3	14769.2	0.0	195.1	0.0	0.0
PARACANCACIA BISPINOSA MALE						
PARACANCACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES	0.0	0.0	0.0	195.1	0.0	0.0
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE	0.0	0.0	0.0	0.0	400.0	0.0
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES						
EUCALANUS PILEATUS FEMALES						
EUCALANUS PILEATUS IMMATURES						
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE	14769.2	9846.2	5658.5	3707.3	21600.0	20000.0
EUCALANUS SPP. FEMALE	40000.0	39384.6	13073.2	14634.1	35600.0	54400.0
PONTELLIDS						
ANOMALOCERA CORNATA MALE						
ANOMALOCERA CORNATA FEMALE						
ANOMALOCERA CORNATA IMMATURE						
CALANOPTIA AMERICANA MALE	2461.5	6769.2	0.0	0.0	1200.0	1600.0
CALANOPTIA AMERICANA FEMALE	14769.2	11692.3	390.2	1365.9	400.0	2400.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	38153.8	36923.1	975.6	585.4	35600.0	50400.0

TABLE 1 CONT.'D

SPRING 1977:

TRANSECT II:

STATION:

2N3

2N4

3D1

3D2

3N1

3N2

(cont.)

	2N3	2N4	3D1	3D2	3N1	3N2
LABIDOCERA AESTIVA FEMALE	19076.9	24000.0	1170.7	1170.7	16000.0	28000.0
LABIDOCERA SCOTTI MALE						
LABIDOCERA SCOTTI FEMALE						
LABIDOCERA IMMATURE	12923.1	14153.8	0.0	585.4	2800.0	1600.0
PONTELLA MEADII MALE	12307.7	11692.3	585.4	390.2	0.0	0.0
PONTELLA MEADII FEMALE	1230.8	1230.8	195.1	0.0	0.0	2400.0
PONTELLA MIMOCERANI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "M" MALE						
PONTELLA SP. "M" FEMALE						
PONTELLA IMMATURE	9846.2	8615.4	585.4	390.2	6000.0	6400.0
PONTELLOPSIS VILLOSA MALE						
PONTELLOPSIS VILLOSA FEMALE						
PONTELLOPSIS IMMATURE						
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	4923.1	9230.8	2926.8	1756.1	4800.0	7200.0
CYCLOPOIDA	1230.8	615.4	585.4	390.2	400.0	800.0
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE	0.0	0.0	195.1	585.4	0.0	0.0
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA	0.0	0.0	195.1	195.1	800.0	0.0
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	615.4	1846.2	975.6	1756.1	3200.0	5600.0
CHAETOGNATHS	58461.5	55384.6	23414.6	26731.7	58000.0	60000.0
TUNICATES						
DOLIOLIDS	4307.7	8615.4	6439.0	5463.4	5200.0	4800.0
LARVACEANS	1846.2	1230.8	0.0	195.1	0.0	0.0
SALPS						
FISH	3346.2	1384.6	0.0	0.0	3212.5	1687.5
FISH EGGS	17230.8	12307.7	975.6	585.4	400.0	0.0
HALOBATES MICANS	0.0	0.0	0.0	0.0	400.0	800.0
PLANT STEMS						
PLASTIC						
SARGASSUM					PRESENT	PRESENT
SARGASSUM FAUNA					PRESENT	PRESENT
TAR	0.6	0.0	0.2	0.2	0.0	0.0
TERRESTRIAL INSECTS						
WOOD						
MISCELLANEOUS DEBRIS	PRESENT			PRESENT		
COPEPOD EXOSKELETONS	RARE	RARE				
SHELL FRAGMENTS						
STRING						
FEATHERS					COMMON	
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	987345.	889384.	116292.	142243.	486413.	587288.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	615.4	615.4	195.1	195.1	400.0	800.0
ALIQUOT SIZE	1/ 64.	1/ 64.	1/ 16.	1/ 16.	1/ 32.	1/ 64.

TABLE 1 CONT.'D

SPRING 1977: TRANSECT II: STATION:	2N3	2N4	3D1	3D2	3N1	3N2
TOTAL NO. PER 1,000 CUBIC METERS	987345.	889384.	116292.	142243.	486413.	587238.
TOTAL MOLLUSCA	98462.	46154.	22634.	31024.	32400.	59200.
TOTAL CRUSTACEA	801230.	757538.	52293.	65756.	376800.	444000.
TOTAL DECAPOD LARVAE	120615.	139077.	1561.	585.	85200.	86400.
TOTAL COPEPODA	223384.	234461.	47415.	55390.	174400.	232000.
TOTAL ADULT PONTELLID COPEPODS	88000.	92308.	3317.	3512.	55200.	84800.
TOTAL IMMATURE PONTELLID COPEPODS	22769.	22769.	585.	976.	8800.	8000.
TOTAL TUNICATES	6154.	9846.	6439.	5659.	5200.	4800.
TOTAL FISH	3346.	1385.	0.	0.	3213.	1688.
TOTAL FISH EGGS	17231.	12308.	976.	585.	400.	0.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.62	0.00	0.20	0.20	0.00	0.80

TABLE 1 CONT.'D

SPRING 1977: TRANSECT III: STATION:	104	101	202	204	301	304
FORAMINIFERA	0.0	177.8	0.0	0.0	63.5	63.5
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS		RARE	COMMON	RARE	COMMON	COMMON
MEDUSAE	1777.8	2311.1	2980.4	4862.7	1587.3	1015.9
CTENOPHORES	0.0	0.0	0.0	0.0	127.0	63.5
NEMATODES						
POLYCHAETES						
ALCIOPTIDAE						
TOMOPTERIDAE	177.8	0.0	0.0	0.0	0.0	0.0
TYPHLOSCOLECIDAE						
OTHER	0.0	0.0	0.0	156.9	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	177.8	177.8	0.0	156.9	0.0	0.0
GASTROPOD MEROPLANKTERS	177.8	355.6	156.9	627.5	317.5	190.5
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
METEROPODS						
ATLANTIDAE	355.6	0.0	1333.3	941.2	127.0	0.0
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA						
CRESEIS VIRGULA	7288.9	533.3	6588.2	7058.8	5523.8	5142.9
DIACRIA QUADRIDENTATA						
LIMACINA BULINOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	0.0	177.8	470.6	1411.8	190.5	127.0
STYLIDIA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER	355.6	355.6	0.0	0.0	0.0	0.0
CRUSTACEA						
AMPHIPODA	0.0	0.0	78.4	0.0	0.0	0.0
HYPERIIDAE	177.8	355.6	705.9	2980.4	127.0	63.5
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS						
CARIDEAN SHRIMP						
LUCIFER FAXONI	5866.7	7111.1	1568.6	1568.6	381.0	190.5
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	533.3	0.0	0.0	470.6	127.0	0.0
BRACHYURAN MEGALOPS	177.8	1244.4	784.3	156.9	63.5	0.0
BRACHYURAN ZOEAS	2666.7	4266.7	3372.5	3294.1	825.4	317.5

SPRING 1977:

TABLE 1 CONT.'D

TRANSECT III:

STATION:	1D4	1D1	2D2	2D4	3D1	3D4
(cont.)						
MACRURAN LARVAE						
SHRIMP LARVAE	8355.6	12444.4	11686.3	11607.8	2603.2	1269.8
STOMATOPOD ALIHA LARVAE	355.6	177.8	705.9	1098.0	254.0	0.0
EUPHAUSIID						
CUMACEA						
MYSIDACEA						
OSTRACODA	3022.2	4444.4	3294.1	2352.9	698.4	1206.3
CLADOCERA	70044.4	34488.9	32000.0	47058.8	18222.2	28825.4
COPEPODA						
CALANOID						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE	0.0	0.0	0.0	0.0	190.5	0.0
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	355.6	888.9	941.2	784.3	3555.6	2857.1
CENTROPAGES FURCATUS FEMALE	1777.8	1244.4	2823.5	1725.5	4761.9	2920.6
EUCHAETA MARINA MALE	0.0	0.0	78.4	0.0	0.0	0.0
EUCHAETA MARINA FEMALE	0.0	0.0	78.4	0.0	0.0	0.0
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE	0.0	0.0	235.3	0.0	0.0	0.0
NANNOCALANUS MINOR	177.8	0.0	313.7	627.5	381.0	127.0
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUROMAMMA ABDOMINALIS IMMATURE						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNATUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	4977.8	1955.6	12000.0	9725.5	7174.6	3365.1
TEMORA TURBINATA	0.0	21333.3	1490.2	2509.8	63.5	190.5
PARACANDACIA STSPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES						
EUCALANUS ATTENUATUS MALE	0.0	0.0	156.9	0.0	0.0	0.0
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES						
EUCALANUS PILEATUS FEMALES						
EUCALANUS PILEATUS IMMATURES						
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE	4622.2	7288.9	9333.3	6902.0	0.0	0.0
EUCALANUS SPP. FEMALE	14755.5	18844.4	15921.6	14902.0	14222.2	9714.3
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE						
CALANOPIA AMERICANA FEMALE	177.8	0.0	0.0	0.0	0.0	0.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	1244.4	2488.9	2196.1	4549.0	571.4	190.5

SPRING 1977:

TABLE 1 CONT'D

TRANSECT III:

STATION:

1D4 1D1 2D2 2D4 3D1 3D4

(cont.)

LABIDOCERA AESTIVA FEMALE	1422.2	1955.6	549.0	784.3	696.4	381.0
LABIDOCERA SCOTTI MALE						
LABIDOCERA SCOTTI FEMALE						
LABIDOCERA IMMATURE	1600.0	533.3	2509.8	2823.5	634.9	761.9
PONTELLA MEADII MALE	177.8	0.0	0.0	0.0	0.0	0.0
PONTELLA MEADII FEMALE	0.0	0.0	156.9	0.0	0.0	127.0
PONTELLA MINOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	177.8	177.8	0.0	470.6	63.5	127.0
PONTELLOPSIS VILLOSA MALE	0.0	0.0	78.4	0.0	0.0	0.0
PONTELLOPSIS VILLOSA FEMALE	0.0	0.0	0.0	0.0	63.5	0.0
PONTELLOPSIS IMMATURE	0.0	0.0	78.4	0.0	0.0	0.0
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	1244.4	1600.0	1098.0	1254.9	317.5	444.4
CYCLOPOIDA	533.3	1600.0	1411.8	941.2	888.9	1142.9
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE	177.8	0.0	0.0	0.0	0.0	0.0
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA	0.0	0.0	0.0	0.0	317.5	0.0
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
MARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	24000.0	0.0	26588.2	52862.7	36254.0	44317.5
CHAETOGNATHS	35555.5	38933.3	33490.2	33882.3	29015.9	21714.3
TUNICATES						
OOLIDIIDS	12977.8	9244.4	9882.3	7215.7	34730.2	34476.2
LARVACEANS	0.0	0.0	0.0	0.0	127.0	0.0
SALPS						
FISH	177.8	0.0	156.9	156.9	190.5	127.0
FISH EGGS	4622.2	6400.0	1568.6	1882.4	1079.4	2539.7
HALOBATES NIGRANS						
PLANT STEMS						
PLASTIC	PRESENT					
SARGASSUM						
SARGASSUM FAUNA						
TAR	0.2	0.0	0.4	0.0	0.0	0.0
TERRESTRIAL INSECTS						
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS		RARE			RARE	RARE
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	212266.	183111.	188862.	229803.	166539.	163999.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	177.8	177.8	78.4	156.9	63.5	63.5
ALIQUOT SIZE	1/ 8.	1/ 8.	1/ 4.	1/ 8.	1/ 4.	1/ 4.

TABLE 1 CONT.'D

SPRING 1977: TRANSECT III: STATION:	104	101	202	204	301	304
TOTAL NO. PER 1.000 CUBIC METERS	212266.	163111.	188862.	229803.	166539.	163999.
TOTAL MOLLUSCA	8356.	1600.	8549.	10196.	6159.	5460.
TOTAL CRUSTACEA	123911.	122844.	104235.	117647.	56000.	53079.
TOTAL DECAPOD LARVAE	11733.	17956.	15843.	15529.	3619.	1587.
TOTAL COPEPODA	32711.	58311.	50039.	47059.	32698.	21206.
TOTAL ADULT PONTELLID COPEPODS	3022.	4444.	2980.	5333.	1333.	698.
TOTAL IMMATURE PONTELLID COPEPODS	1778.	711.	2588.	3294.	698.	889.
TOTAL TUNICATES	12978.	9244.	9882.	7216.	34857.	34476.
TOTAL FISH	178.	0.	157.	157.	190.	127.
TOTAL FISH EGGS	4622.	6400.	1569.	1882.	1079.	2540.
TAR (GRAMS PER 1.000 CUBIC METERS)	0.18	0.00	0.39	0.00	0.00	0.00

TABLE 1 CONT.'D

SPRING 1977: TRANSECT IV: STATION:	101	102	202	203	301	303
FORAMINIFERA	0.0	0.0	0.0	0.0	579.7	58.0
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA	0.0	0.0	0.0	0.0	0.0	58.0
SIPHONOPHORE PARTS	RARE	RARE			COMMON	
MEDUSAE	0.0	0.0	12387.1	12387.1	115.9	115.9
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIGIIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	0.0	293.6	0.0	0.0	58.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS						
GASTROPOD MEROPLANKTERS	293.6	0.0	1376.3	1376.3	347.8	231.9
GLAUCUS	0.0	0.0	0.0	0.0	0.0	58.0
JANTHINA SHELLS	0.0	0.0	0.0	0.0	0.0	58.0
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	0.0	293.6	1376.3	0.0	58.0	0.0
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	0.0	0.0	0.0	0.0	231.9	173.9
CRESEIS VIRGULA	587.2	880.7	4129.0	12387.1	695.7	463.8
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	1174.3	880.7	0.0	1376.3	115.9	115.9
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER	0.0	0.0	0.0	0.0	58.0	0.0
CRUSTACEA						
AMPHIPODA						
HYPERIIDAE	1467.9	293.6	22021.5	26150.5	115.9	0.0
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS						
CARIDEAN SHRIMP						
LUCIFER FAXONI	11156.0	1614.7	366107.5	465204.3	58.0	0.0
LUCIFER TYPUS						
LARVAE						
ANONURAN CRAB LARVAE	293.6	146.8	0.0	0.0	0.0	0.0
BRACHYURAN MEGALCPS	1174.3	440.4	0.0	0.0	0.0	58.0
BRACHYURAN ZOEAE	5578.0	1908.3	0.0	1376.3	289.9	115.9

SPRING 1977:

TABLE 1 CONT.'D

TRANSECT IV:

STATION:

1D1

1D2

2D2

2D3

3D1

3D3

(cont.)

MACRURAN LARVAE						
SHRIMP LARVAE	8220.2	1614.7	1376.3	0.0	0.0	58.0
STOMATOPOD ALIMA LARVAE	293.6	146.8	0.0	0.0	0.0	0.0
EUPHAUSIID						
CUMACEA						
MYSIDACEA						
GSTRACODA	293.6	0.0	0.0	0.0	0.0	58.0
CLADOCERA	49614.7	9834.9	15139.8	0.0	173.9	173.9
COPEPDA						
CALANOID						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	2935.8	587.2	1376.3	9834.4	347.8	231.9
CENTROPAGES FURCATUS FEMALE	6752.3	1908.3	28903.2	33032.3	1797.1	1101.4
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR	0.0	0.0	1376.3	0.0	115.9	231.9
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE	0.0	0.0	0.0	0.0	58.0	0.0
P. GRACILIS + PISECKI MALES						
PLEUROMAMMA ABDOMINALIS IMMATURE						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	2348.6	1467.9	4129.0	2752.7	231.9	231.9
TEMORA TUBBINATA	587.2	440.4	0.0	5505.4	0.0	58.0
PARACANDACIA RISPINOZA MALE						
PARACANDACIA RISPINOZA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES	0.0	0.0	0.0	0.0	231.9	0.0
EUCALANUS ATTENUATUS MALE	0.0	0.0	0.0	0.0	115.9	0.0
EUCALANUS ATTENUATUS FEMALE	0.0	0.0	0.0	1376.3	0.0	58.0
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES						
EUCALANUS PILEATUS FEMALES						
EUCALANUS PILEATUS IMMATURES						
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE	9394.5	8367.0	12387.1	15139.8	289.9	811.6
EUCALANUS SPP. FEMALE	31412.8	2935.8	44043.0	41290.3	985.5	521.7
PONTELLID						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE						
CALANOPIA AMERICANA FEMALE	0.0	146.8	0.0	0.0	0.0	58.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	9394.5	3816.5	0.0	0.0	58.0	0.0

TABLE 1 CONT'D

SPRING 1977:

TRANSECT IV:

STATION:

1D1

1D2

2D2

2D3

3D1

3D3

(cont.)

LABIDOCERA AESTIVA FEMALE	5871.6	1614.7	5505.4	1376.3	0.0	58.0
LABIDOCERA SCOTTI MALE	0.0	0.0	0.0	0.0	58.0	0.0
LABIDOCERA SCOTTI FEMALE						
LABIDOCERA IMMATURE	5578.0	1761.5	0.0	1376.3	173.9	347.8
PONTELLA MEADII MALE	21137.6	5431.2	0.0	0.0	0.0	0.0
PONTELLA MEADII FEMALE	8513.8	3229.4	0.0	0.0	58.0	0.0
PONTELLA MIMOCEPAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE	0.0	0.0	0.0	0.0	58.0	0.0
PONTELLA ATLANTICA FEMALE	0.0	0.0	0.0	0.0	58.0	0.0
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE	0.0	0.0	0.0	0.0	0.0	115.9
PONTELLA IMMATURE	66935.8	17614.7	0.0	1376.3	115.9	115.9
PONTELLOPSIS VILLOSA MALE						
PONTELLOPSIS VILLOSA FEMALE	0.0	146.8	0.0	0.0	0.0	0.0
PONTELLOPSIS IMMATURE	0.0	0.0	0.0	0.0	58.0	0.0
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE	0.0	0.0	0.0	0.0	0.0	115.9
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	293.6	587.2	1376.3	5505.4	231.9	173.9
CYCLOPOIDA	587.2	733.9	0.0	1376.3	347.8	173.9
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE	0.0	0.0	0.0	0.0	173.9	173.9
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA	293.6	0.0	0.0	0.0	0.0	0.0
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	880.7	1467.9	2752.7	12387.1	173.9	0.0
CHAETOGNATHS	33761.5	9247.7	23397.8	35784.9	22260.9	22666.7
TUNICATES						
DOLIOLIDS	39339.4	11743.1	5505.4	19268.8	2029.0	3304.3
LARVACEANS	293.6	0.0	2752.7	2752.7	0.0	463.8
SALPS						
FISH	293.6	440.4	0.0	10.8	130.4	289.9
FISH EGGS	15266.1	7486.2	0.0	2752.7	1333.3	1797.1
HALOBATES MICANS	587.2	440.4	0.0	0.0	115.9	53.0
PLANT STEMS						
PLASTIC						
SARGASSUM						
SARGASSUM FAUNA				PRESENT		PRESENT
TAR	0.3	0.9	0.0	0.0	0.5	0.1
TERRESTRIAL INSECTS	0.0	0.0	0.0	0.0	58.0	115.9
WOOD				PRESENT	PRESENT	
MISCELLANEOUS DEBRIS	PRESENT	PRESENT				
COPEPOD EXOSKELETONS	RARE	RARE				
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1.000 CUBIC METERS	342605.	99963.	557419.	712957.	34565.	35072.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	293.6	146.8	1376.3	1376.3	58.0	58.0
ALiquot SIZE	1/ 32.	1/ 16.	1/128.	1/128.	1/ 4.	1/ 4.

TABLE 1 CONT.'D

SPRING 1977: TRANSECT IV: STATION:	101	102	202	203	301	303
TOTAL NO. PER 1,000 CUBIC METERS	342605.	99963.	557419.	712957.	34565.	35072.
TOTAL MOLLUSCA	2055.	2055.	6882.	15140.	1507.	1101.
TOTAL CRUSTACEA	249247.	66055.	503742.	611097.	5681.	4696.
TOTAL DECAPOD LARVAE	15266.	4110.	1376.	1376.	290.	232.
TOTAL COPEPODA	171156.	50055.	99097.	118365.	5043.	4232.
TOTAL ADULT PONTELLID COPEPODS	44917.	14385.	5505.	1376.	290.	348.
TOTAL IMMATURE PONTELLID COPEPODS	72514.	19376.	0.	2753.	348.	464.
TOTAL TUNICATES	39633.	11743.	8258.	22022.	2029.	3768.
TOTAL FISH	294.	440.	0.	11.	130.	290.
TOTAL FISH EGGS	15266.	7486.	0.	2753.	1333.	1797.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.29	0.88	0.00	0.00	0.52	0.12

TABLE 1 CONT.'D

JULY 1977: TRANSECT II: STATION:	102	104	1N1	1N2	202	203
FORAMINIFERA	326.5	0.0	747.7	448.6	158.4	316.6
SIPHONOPHORES						
PHYSALIA						
POMPA						
VELLELA						
SIPHONOPHORE PARTS			ABUNDANT	ABUNDANT	RARE	RARE
MEDUSAE	5551.0	4244.9	149.5	299.1	0.0	0.0
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE	326.5	0.0	0.0	448.6	0.0	0.0
OTHER	326.5	0.0	0.0	0.0	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS						
GASTROPOD MEROPLANKTERS	0.0	0.0	0.0	149.5	0.0	0.0
GLAUCUS	0.0	0.0	0.0	0.0	0.0	39.6
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	0.0	0.0	149.5	149.5	0.0	0.0
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS	0.0	0.0	149.5	0.0	0.0	0.0
CAVOLINIA UNCINATA						
CRESEIS ACICULA	653.1	979.6	149.5	0.0	39.6	0.0
CRESEIS VIRGULA	0.0	0.0	448.6	149.5	158.4	118.6
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	0.0	326.5	19887.8	15700.9	0.0	0.0
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER	0.0	0.0	299.1	0.0	39.6	0.0
CRUSTACEA						
AMPHIPODA	0.0	0.0	0.0	0.0	39.6	0.0
HYPERIIDAE	41469.4	32000.0	5084.1	9570.1	396.0	0.0
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS	0.0	10.2	0.0	0.0	0.0	0.0
CARIDEAN SHRIMP	0.0	0.0	149.5	0.0	0.0	0.0
LUCIFER FAXONI	35265.3	19265.3	13158.9	7925.2	79.2	0.0
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE						
BRACHYURAN MEGALOPS	326.5	0.0	448.6	149.5	0.0	0.0
BRACHYURAN ZOEAS	11755.1	11429.6	5084.1	5383.2	158.4	237.6

JULY 1977:

TABLE 1 CONT'D

TRANSECT II:

STATION:

1D2 1D4 1N1 1N2 2D2 2D3

(cont.)

	1D2	1D4	1N1	1N2	2D2	2D3
MACRURAN LARVAE						
SHRIMP LARVAE	326.5	326.5	1046.7	299.1	0.0	0.0
STOMATOPOD ALIYA LARVAE	3591.8	1632.7	149.5	299.1	79.2	37.6
EUPHAUSIID						
CUMACEA						
MYSIDACEA	0.0	0.0	0.0	149.5	0.0	0.0
OSTRACODA	326.5	0.0	1345.8	2542.1	39.6	0.0
CLADOCERA	2612.2	1959.2	7327.1	8672.9	198.0	198.0
COPEPODA						
CALANOID						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.	0.0	0.0	0.0	299.1	0.0	0.0
CENTROPAGES FURCATUS MALE	18612.2	8163.3	22280.4	25121.5	198.0	118.8
CENTROPAGES FURCATUS FEMALE	52571.4	32000.0	41271.0	43364.5	554.5	316.8
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR	326.5	0.0	299.1	149.5	0.0	0.0
PLEUROMAHMA PISECKI FEMALE						
PLEUROMAHMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUROMAHMA ABDOMINALIS IMMATURE						
PLEUROMAHMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	40163.3	32979.6	1943.9	598.1	1663.4	1029.7
TEMORA TURBINATA	326.5	326.5	0.0	149.5	0.0	0.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES						
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES						
EUCALANUS PILEATUS FEMALES						
EUCALANUS PILEATUS IMMATURES						
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE	0.0	0.0	897.2	1196.3	0.0	0.0
EUCALANUS SPP. FEMALE	0.0	0.0	1794.4	1196.3	0.0	0.0
PONTELLID						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	0.0	0.0	299.1	1495.3	0.0	0.0
CALANOPIA AMERICANA FEMALE	0.0	326.5	1046.7	2093.5	0.0	0.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE						

TABLE 1 CONT 'D

JULY 1977:

TRANSECT II:

STATION:

1D2 1D4 1N1 1N2 2D2 2D3

(cont.)

LABIDOCERA AESTIVA FEMALE						
LABIDOCERA SCOTTI MALE	979.6	2285.7	19289.7	15102.8	39.6	0.0
LABIDOCERA SCOTTI FEMALE	326.5	0.0	299.1	448.6	0.0	0.0
LABIDOCERA IMMATURE	326.5	0.0	448.6	448.6	514.9	277.2
PONTELLA MEADII MALE	0.0	326.5	0.0	0.0	0.0	0.0
PONTELLA MEADII FEMALE						
PONTELLA MINOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	0.0	979.6	0.0	0.0	158.4	118.8
PONTELLOPSIS VILLOSA MALE	0.0	0.0	1196.3	299.1	0.0	0.0
PONTELLOPSIS VILLOSA FEMALE	0.0	0.0	299.1	747.7	0.0	39.6
PONTELLOPSIS IMMATURE	979.6	2285.7	0.0	299.1	39.6	118.8
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	326.5	0.0	2093.5	4635.5	0.0	0.0
CYCLOPOIDA	0.0	326.5	1196.3	1046.7	0.0	0.0
COPIILIA MIRABILIS MALE						
COPIILIA MIRABILIS FEMALE	0.0	0.0	0.0	149.5	0.0	0.0
COPIILIA QUADRATA MALE						
COPIILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	326.5	0.0	3887.9	3887.9	0.0	0.0
CHAETOGNATHS	8816.3	3591.8	4336.4	3588.8	158.4	79.2
TUNICATES						
ODOLIOLIDS	0.0	0.0	598.1	897.2	0.0	0.0
LARVACEANS	3591.8	2285.7	9719.6	18691.6	79.2	39.6
SALPS						
FISH	653.1	979.6	11962.6	14953.3	237.6	237.6
FISH EGGS	47020.4	34612.2	42317.8	0.0	9386.1	7366.3
HALOBATES MICANS	0.0	326.5	598.1	299.1	79.2	39.6
PLANT STEMS						
PLASTIC						
SARGASSUM			PRESENT	PRESENT		
SARGASSUM FAUNA			PRESENT	PRESENT		PRESENT
TAR	0.0	0.0	0.3	0.6	0.0	0.2
TERRESTRIAL INSECTS						
WOOD						
MISCELLANEOUS DEBRIS			PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS						
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1.000 CUBIC METERS	278203.	193969.	223850.	193495.	14495.	10733.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	326.5	326.5	149.5	149.5	39.6	39.6
ALIQUOT SIZE	1/ 32.	1/ 32.	1/ 16.	1/ 16.	1/ 4.	1/ 4.

TABLE 1 CONT'D

JULY 1977: TRANSECT II: STATION:	102	104	101	102	202	203
TOTAL NO. PER 1.000 CUBIC METERS	278203.	193969.	223850.	193495.	14495.	10733.
TOTAL MOLLUSCA	653.	1306.	21084.	16150.	238.	158.
TOTAL CRUSTACEA	210612.	146295.	127252.	132635.	4158.	2495.
TOTAL DECAPOD LARVAE	12408.	11755.	6579.	5832.	158.	238.
TOTAL COPEPODA	114939.	79673.	93458.	97645.	3168.	2020.
TOTAL ADULT PONTELLIC COPEPODS	1306.	2939.	22430.	20187.	40.	40.
TOTAL IMMATURE PONTELLID COPEPODS*	1306.	3265.	449.	748.	713.	515.
TOTAL TUNICATES	3592.	2286.	10318.	19589.	79.	40.
TOTAL FISH	653.	980.	11963.	14953.	238.	238.
TOTAL FISH EGGS	47020.	34612.	42318.	0.	9386.	7366.
TAP (GRAMS PER 1.000 CUBIC METERS)	0.00	0.00	0.30	0.60	0.00	0.2

TABLE 1 CONT'D

JULY 1977: TRANSECT II: STATION:	2N1	2N2	301	302	3N1	3N3
FORAMINIFERA	5082.4	3952.9	45.5	45.5	0.0	0.0
SIPHONOPHORES						
PHYSALIA						
PORPITA	11.8	0.0	0.0	0.0	0.0	0.0
VELLELA						
SIPHONOPHORE PARTS	COMMON	COMMON	COMMON	RARE	COMMON	COMMON
MEDUSAE	1129.4	198.2	636.4	500.0	820.5	820.5
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIIDAE	0.0	0.0	0.0	0.0	273.5	273.5
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	0.0	0.0	45.5	0.0	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	0.0	0.0	45.5	0.0	0.0	0.0
GASTROPOD MEROPLANKTERS	941.2	198.2	0.0	45.5	0.0	547.0
GLAUCUS	0.0	0.0	0.0	45.5	0.0	0.0
JANTHINA SHELLS	0.0	0.0	500.0	45.5	0.0	0.0
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	0.0	0.0	136.4	0.0	0.0	0.0
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	188.2	0.0	227.3	90.9	547.0	547.0
CRESEIS VIRGULA	188.2	564.7	500.0	227.3	0.0	273.5
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	17317.6	9035.3	136.4	2181.8	4649.6	3008.5
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACILIS SPP.						
GYMNOSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA	0.0	0.0	0.0	0.0	3008.5	547.0
HYPERIIDAE	2635.3	15247.1	45.5	45.5	17777.8	3008.5
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS	211.8	0.0	0.0	0.0	0.0	0.0
CARIDEAN SHRIMP	0.0	0.0	0.0	0.0	13948.7	11760.7
LUCIFER FAXONI	6211.8	6400.0	500.0	500.0	14769.2	17777.8
LUCIFER TYPUS						
LARVAE						
ANONURAN CRAB LARVAE	0.0	188.2	0.0	0.0	0.0	0.0
BRACHYURAN MEGALOPS	564.7	1129.4	0.0	0.0	8205.1	10393.2
BRACHYURAN ZOEAS	0.0	941.2	90.9	0.0	3008.5	5470.1

TABLE 1 CONT.'D

JULY 1977:

TRANSECT II:

STATION:

2N1 2N2 3D1 3D2 3N1 3N3

(cont.)

	2N1	2N2	3D1	3D2	3N1	3N3
MACRURAN LARVAE						
SHRIMP LARVAE	2258.8	4894.1	90.9	45.5	3008.5	4923.1
STOMATOPOD ALIMA LARVAE	564.7	564.7	0.0	0.0	5196.8	4647.8
EUPHAUSTIIDS	0.0	188.2	0.0	45.5	2735.0	2461.8
CUMACEA						
MYSIDACEA	376.5	1129.4	0.0	0.0	0.0	0.0
OSTRACODA	1317.6	1317.6	0.0	0.0	13128.2	7658.1
CLADOCERA	1892.4	1882.4	954.5	545.5	0.0	0.0
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.	0.0	0.0	0.0	45.5	273.5	547.0
CENTROPAGES FURCATUS MALE	1317.6	752.9	45.5	45.5	547.0	547.0
CENTROPAGES FURCATUS FEMALE	3754.7	5082.4	727.3	136.4	1094.0	820.8
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR	188.2	564.7	0.0	45.5	273.5	1367.8
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUROMAMMA ABDOMINALIS IMMATURE						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CCRNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	2447.1	4141.2	3681.8	5318.2	10119.7	15589.7
TEMORA TURBINATA	0.0	0.0	0.0	0.0	273.5	0.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNOINULA VULGARIS MALE						
UNOINULA VULGARIS FEMALE						
UNOINULA VULGARIS IMMATURES	188.2	376.5	227.3	409.1	0.0	0.0
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES						
EUCALANUS PILEATUS FEMALES						
EUCALANUS PILEATUS IMMATURES						
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE	0.0	376.5	0.0	136.4	820.5	0.0
EUCALANUS SPP. FEMALE	564.7	564.7	0.0	227.3	2188.0	1914.5
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	0.0	0.0	0.0	0.0	273.5	273.5
CALANOPIA AMERICANA FEMALE	0.0	0.0	0.0	0.0	547.0	547.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE						

JULY 1977:

TABLE 1 CONT.'D

TRANSECT II:

STATION:

2N1 2N2 3D1 3D2 3N1 3N3

(cont.)

LABIDOCERA AESTIVA FEMALE						
LABIDOCERA SCOTTI MALE	6211.8	5082.4	45.5	90.9	2461.5	1094.0
LABIDOCERA SCOTTI FEMALE	2259.8	1129.4	0.0	0.0	620.5	547.0
LABIDOCERA IMMATURE	376.5	0.0	727.3	636.4	273.5	0.0
PONTELLA MEADII MALE						
PONTELLA MEADII FEMALE						
PONTELLA MIMOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE	0.0	0.0	45.5	45.5	0.0	0.0
PONTELLA ATLANTICA FEMALE	0.0	0.0	45.5	0.0	0.0	0.0
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	0.0	1317.6	2954.5	2636.4	0.0	547.0
PONTELLOPSIS VILLOSA MALE	0.0	0.0	136.4	0.0	273.5	273.5
PONTELLOPSIS VILLOSA FEMALE	0.0	0.0	45.5	45.5	0.0	0.0
PONTELLOPSIS IMMATURE	0.0	0.0	181.8	45.5	0.0	0.0
PONTELLINA PLUMATA MALE	0.0	0.0	0.0	0.0	0.0	273.5
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	1505.9	1892.4	1181.8	1272.7	3008.5	3829.1
CYCLOPOIDA	0.0	752.9	2663.6	2772.7	0.0	273.5
COPILIA MIRABILIS MALE	0.0	376.5	0.0	45.5	0.0	0.0
COPILIA MIRABILIS FEMALE	0.0	564.7	0.0	0.0	0.0	0.0
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA	0.0	0.0	0.0	0.0	0.0	820.5
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS	0.0	0.0	0.0	45.5	0.0	0.0
ECHINOCERM LARVAE	1317.6	3200.0	0.0	0.0	0.0	0.0
CHAETOGNATHS	16941.2	24470.6	4363.6	6545.5	20512.8	24068.4
TUNICATES						
DOLIOLIDS	3011.8	1892.4	45.5	136.4	1641.0	820.5
LARVACEANS	1505.9	2635.3	318.2	1181.8	0.0	0.0
SALPS	0.0	376.5	0.0	0.0	0.0	0.0
FISH	6211.8	3576.5	2522.7	2170.5	2735.0	3282.1
FISH EGGS	6211.8	2635.3	12136.4	13454.5	9025.6	4376.1
HALOBATES MICANS	0.0	376.5	181.8	227.3	0.0	547.0
PLANT STEMS			PRESENT	PRESENT		
PLASTIC		PRESENT	PRESENT	PRESENT		
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT		PRESENT
SARGASSUM FAUNA	PRESENT	PRESENT	PRESENT	PRESENT		
TAP	0.9	7.3	2.7	24.0	0.0	0.5
TERRESTRIAL INSECTS	0.0	0.0	11.4	0.0	0.0	0.0
WOOD						
MISCELLANEOUS DEBRIS			PRESENT	PRESENT		
COPEPOD EXOSKELETONS						
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1.000 CUBIC METERS	94906.	110329.	36443.	42080.	148239.	136478.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	188.2	188.2	45.5	45.5	273.5	273.5
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 4.	1/ 4.	1/ 32.	1/ 32.

TABLE 1 CONT.'D

JULY 1977: TRANSECT II: STATION:	2N1	2N2	301	302	3N1	3N3
TOTAL NO. PER 1,000 CUBIC METERS	94906.	110329.	36443.	42080.	148239.	136478.
TOTAL MOLLUSCA	18635.	9788.	1545.	2636.	5197.	4376.
TOTAL CRUSTACEA	34847.	55153.	11727.	12318.	108034.	96820.
TOTAL DECAPOD LARVAE	2824.	7153.	182.	45.	14222.	20786.
TOTAL COPEPODA	18824.	21271.	10045.	11136.	23248.	28171.
TOTAL ADULT PONTELLID COPEPODS	8471.	6212.	318.	182.	4376.	3009.
TOTAL IMMATURE PONTELLID COPEPODS	376.	1318.	3864.	3318.	274.	547.
TOTAL TUNICATES	4518.	4894.	364.	1318.	1641.	821.
TOTAL FISH	6212.	3576.	2523.	2170.	2735.	3282.
TOTAL FISH EGGS	6212.	2635.	12136.	13455.	9026.	4376.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.94	7.34	2.67	24.00	0.00	0.5

TABLE 1 CONT.'D

AUGUST 1977: TRANSECT II: STATION:	102	104	101	103	201	203
FORAMINIFERA	0.0	0.0	0.0	0.0	2838.7	2150.5
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS	RARE	RARE	RARE	RARE	COMMON	COMMON
MEDUSAE	0.0	0.0	278.3	278.3	0.0	172.0
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIDIIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	0.0	0.0	278.3	278.3	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	38.8	0.0	556.5	556.5	0.0	0.0
GASTROPOD MEROPLANKTERS	38.8	0.0	278.3	278.3	86.0	0.0
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE						
PTEROPTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBROSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	0.0	0.0	575443.4	575443.4	0.0	0.0
CRESEIS VIRGULA	0.0	38.8	0.0	0.0	129.0	0.0
DIACRIA QUADRIDENTATA						
LIMACINA BULINOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	0.0	0.0	0.0	0.0	0.0	43.0
STYLICLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES	38.8	0.0	0.0	0.0	0.0	0.0
OTHER	0.0	0.0	0.0	0.0	0.0	43.0
CRUSTACEA						
AMPHIPODA						
HYPERIIDAE	310.7	38.8	31443.5	31443.5	0.0	0.0
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIIDS						
DECAPODA						
BRACHYURAN CRABS	0.0	0.0	556.5	556.5	0.0	0.0
PORTUNID CRABS						
CARIDEAN SHRIMP	0.0	0.0	0.0	0.0	43.0	0.0
LUCIFER FAXONI	3805.8	4349.5	47304.3	47304.3	172.0	43.0
LUCIFER TYPUS						
LARVAE						
ANDMURAN CRAB LARVAE						
BRACHYURAN MEGALOPS	116.5	155.3	3060.9	3060.9	0.0	0.0
BRACHYURAN ZOEAS	38.8	0.0	35339.1	35339.1	129.0	0.0

TABLE 1 CONT.'D

AUGUST 1977:

TRANSECT II:

STATION:	1D2	1D4	1N1	1N3	2D1	2D3
(cont.)						
MACRURAN LARVAE						
SHRIMP LARVAE	77.7	18.8	3617.4	3617.4	0.0	0.0
STOMATOPOD ALIMA LARVAE	0.0	0.0	2782.6	2782.6	0.0	0.0
EUPHAUSIID						
CUMACEA						
MYSIDACEA	0.0	0.0	1669.6	1669.6	0.0	0.0
OSTRACODA						
CLADOCERA	0.0	0.0	0.0	0.0	129.0	129.0
COPEPDA						
CALANOID						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	0.0	38.8	4452.2	4452.2	0.0	0.0
CENTROPAGES FURCATUS FEMALE	660.2	660.2	23095.6	23095.6	36.0	0.0
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR						
PLEUROMANNA PISECKI FEMALE						
PLEUROMANNA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUROMANNA ABDOMINALIS IMMATURE						
PLEUROMANNA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	0.0	0.0	1391.3	1391.3	43.0	86.0
TEMORA TURBINATA	77.7	0.0	278.3	278.3	0.0	0.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE	0.0	0.0	0.0	0.0	0.0	43.0
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES	0.0	0.0	0.0	0.0	129.0	129.0
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES						
EUCALANUS PILEATUS FEMALES	77.7	155.3	2226.1	2226.1	0.0	0.0
EUCALANUS PILEATUS IMMATURES	0.0	0.0	278.3	278.3	0.0	43.0
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE						
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	0.0	0.0	0.0	0.0	43.0	0.0
CALANOPIA AMERICANA FEMALE	0.0	0.0	278.3	278.3	0.0	0.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE						

TABLE 1 CONT.'D

AUGUST 1977:

TRANSECT II:

STATION:

1D2

1D4

1N1

1N3

2D1

2D3

(cont.)

LABIDOCERA AESTIVA FEMALE						
LABIDOCERA SCOTTI MALE	621.4	854.4	1391.3	1391.3	0.0	0.0
LABIDOCERA SCOTTI FEMALE	660.2	815.5	278.3	278.3	301.1	215.1
LABIDOCERA IMMATURE	233.0	233.0	2226.1	2226.1	258.1	301.1
PONTELLA MEADII MALE	116.5	116.5	0.0	0.0	0.0	43.0
PONTELLA MEADII FEMALE						
PONTELLA MIMOCERAMI	660.2	970.9	278.3	278.3	0.0	0.0
PONTELLA SECURIFER MALE	116.5	77.7	0.0	0.0	0.0	0.0
PONTELLA SECURIFER FEMALE	38.8	77.7	0.0	0.0	0.0	0.0
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	737.9	699.0	0.0	0.0	946.2	602.2
PONTELLOPSIS VILLOSA MALE	893.2	815.5	5843.5	5843.5	516.1	258.1
PONTELLOPSIS VILLOSA FEMALE	543.7	582.5	7791.3	7791.3	86.0	172.0
PONTELLOPSIS IMMATURE	155.3	77.7	2226.1	2226.1	215.1	258.1
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	0.0	0.0	278.3	278.3	43.0	129.0
CYCLOPOIDA	0.0	0.0	278.3	278.3	344.1	301.1
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE	0.0	0.0	0.0	0.0	344.1	215.1
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA	0.0	0.0	0.0	0.0	0.0	43.0
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
MARFRACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	77.7	0.0	0.0	0.0	817.2	989.2
CHAETOGNATHS	338.3	116.5	1947.8	1947.8	1806.5	1978.5
TUNICATES						
DOLIOLIDS	0.0	0.0	0.0	0.0	43.0	0.0
LARVACEANS	116.5	38.8	6400.0	6400.0	4817.2	4731.2
SALPS	0.0	0.0	0.0	0.0	43.0	86.0
FISH	38.8	155.3	10295.6	10295.6	172.0	301.1
FISH EGGS	1542.2	194.2	1113.0	1113.0	5075.3	2795.7
HALOBATES MICANS	194.2	77.7	0.0	0.0	129.0	43.0
PLANT STEMS						PRESENT
PLASTIC						
SARGASSUM		PRESENT			PRESENT	
SARGASSUM FAUNA					PRESENT	
TAR	0.1	0.1	0.0	0.0	0.9	0.1
TERRESTRIAL INSECTS						
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS						
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	12466.	11379.	774956.	774956.	19785.	16344.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	38.8	38.8	278.3	278.3	43.0	43.0
ALIQUOT SIZE	1/ 4.	1/ 4.	1/ 32.	1/ 32.	1/ 4.	1/ 4.

TABLE 1 CONT.'D

AUGUST 1977: TRANSECT II: STATION:	102	104	101	103	201	203
TOTAL NO. PER 1,000 CUBIC METERS	12466.	11379.	774956.	774956.	19785.	16344.
TOTAL MOLLUSCA	117.	39.	576278.	576278.	215.	86.
TOTAL CRUSTACEA	9942.	10757.	178087.	178087.	3140.	2452.
TOTAL DECAPOD LARVAE	233.	194.	42017.	42017.	129.	0.
TOTAL COPEPODA	5592.	6175.	52313.	52313.	2667.	2280.
TOTAL ADULT PONTELLID COPEPODS	3650.	4311.	15861.	15861.	946.	688.
TOTAL IMMATURE PONTELLID COPEPODS	1126.	1010.	4452.	4452.	1419.	1161.
TOTAL TUNICATES	117.	39.	6400.	6400.	4903.	4817.
TOTAL FISH	39.	155.	10296.	10296.	172.	301.
TOTAL FISH EGGS	1592.	194.	1113.	1113.	5075.	2796.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.12	0.12	0.00	0.00	0.90	0.13

TABLE 1 CONT.'D

AUGUST 1977: TRANSECT II: STATION:	2N1	2N4	302	303	3N1	3N3
FORAMINIFERA	1156.6	1060.2	32.8	65.6	375.0	562.5
SIPHONOPHORES						
PHYSALIA						
PORPITA	0.0	0.0	0.0	0.0	31.3	0.0
VELLELA						
SIPHONOPHORE PARTS	RARE	RARE	COMMON	COMMON		COMMON
MEDUSAE	192.8	96.4	65.6	131.1	125.0	187.5
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE	96.4	0.0	32.8	0.0	0.0	0.0
OTHER						
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS						
GASTROPOD MEROPLANKTERS	578.3	192.8	98.4	32.8	197.5	62.5
GLAUCUS						
JANTHINA SHELLS	0.0	0.0	0.0	0.0	62.5	62.5
JANTHINA BUBBLE RAFTS						
METEPOPODS						
ATLANTIDAE	192.8	96.4	32.8	0.0	0.0	250.0
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBROSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS	0.0	0.0	0.0	0.0	0.0	125.0
CAVOLINIA UNCINATA						
CPESFIS ACICULA	674.7	96.4	98.4	98.4	250.0	312.5
CRESEIS VIRGULA	2891.6	1156.6	918.0	196.7	312.5	187.5
DIACFIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	2024.1	1060.2	131.1	163.9	1250.0	2437.5
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACCLIS SPP.						
GYMNOSOMES						
OTHER	0.0	0.0	0.0	0.0	625.0	250.0
CRUSTACEA						
AMPHIPODA	0.0	0.0	0.0	0.0	62.5	62.5
HYPERIIDAE	82795.1	46072.3	32.8	131.1	3697.5	5500.0
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS						
CARIDEAN SHRIMP	96.4	0.0	0.0	0.0	1125.0	1125.0
LUCIFER FAXONI	10891.6	9349.4	1704.9	1377.0	5250.0	7437.5
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	2313.3	5204.8	262.3	65.6	9562.5	12500.0
BRACHYURAN MEGALOPS	31036.1	27759.0	163.9	0.0	1250.0	1625.0
BRACHYURAN ZOEAS						

TABLE 1 CONT.'D

AUGUST 1977:

TRANSECT II:

STATION:	2N1	2N4	3D2	3D3	3N1	3N3
(cont.)						
MACRURAN LARVAE						
SHRIMP LARVAE	5108.4	1445.8	0.0	0.0	437.5	1000.0
STOMATOPUS ALTHA LARVAE	0.0	0.0	0.0	0.0	203.1	250.0
EUPHAUSIIDS	0.0	0.0	98.4	32.8	0.0	187.5
CUMACEA						
MYSIDACEA	2602.4	2024.1	0.0	0.0	125.0	125.0
OSTRACODA	0.0	0.0	0.0	0.0	500.0	375.0
CLADOCERA	0.0	0.0	32.8	98.4	62.5	187.5
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	674.7	96.4	0.0	0.0	0.0	62.5
CENTROPAGES FURCATUS FEMALE	2698.8	1445.8	0.0	0.0	62.5	125.0
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NAHNCALANUS MINOR	0.0	0.0	0.0	32.8	0.0	0.0
PLEURONAMMA PISECKI FEMALE						
PLEURONAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEURONAMMA ABDOMINALIS IMMATURE						
PLEURONAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	963.9	481.9	32.8	32.8	1125.0	1312.5
TEMORA TURBINATA	96.4	0.0	32.8	0.0	0.0	62.5
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE	289.2	0.0	32.8	0.0	0.0	0.0
UNDINULA VULGARIS FEMALE	192.8	96.4	0.0	0.0	0.0	62.5
UNDINULA VULGARIS IMMATURES	2698.8	578.3	131.1	0.0	4875.0	7562.5
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES	0.0	0.0	32.8	0.0	0.0	0.0
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES	0.0	0.0	0.0	0.0	187.5	125.0
EUCALANUS PILEATUS FEMALES	0.0	0.0	0.0	0.0	437.5	625.0
EUCALANUS PILEATUS IMMATURES	385.5	96.4	65.6	0.0	187.5	125.0
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE						
PUNTELLIDS	0.0	0.0	0.0	0.0	0.0	62.5
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE						
CALANOPIA AMERICANA FEMALE	0.0	0.0	0.0	0.0	0.0	62.5
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE						

AUGUST 1977:

TABLE 1 CONT.'D

TRANSECT II:

STATION:	2N1	2N4	3D2	3D3	3N1	3N3
(cont.)						
LABIDOCERA AESTIVA FEMALE						
LABIDOCERA SCOTTI MALE	192.8	96.4	32.8	32.8	0.0	0.0
LABIDOCERA SCOTTI FEMALE	96.4	0.0	0.0	0.0	0.0	0.0
LABIDOCERA IMMATURE	96.4	289.2	98.4	98.4	312.5	312.5
PONTELLA MEADII MALE						
PONTELLA MEADII FEMALE						
PONTELLA MINOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	289.2	96.4	852.5	721.3	125.0	125.0
PONTELLOPSIS VILLOSA MALE	674.7	1156.6	295.1	131.1	312.5	500.0
PONTELLOPSIS VILLOSA FEMALE	578.3	867.5	196.7	196.7	0.0	125.0
PONTELLOPSIS IMMATURE	667.5	963.9	428.2	295.1	62.5	0.0
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	289.2	192.8	196.7	131.1	687.5	875.0
CYCLOPOIDA	192.8	96.4	1213.1	1147.5	500.0	687.5
COPILIA MIRABILIS MALE	0.0	0.0	0.0	0.0	125.0	62.5
COPILIA MIRABILIS FEMALE	0.0	0.0	459.0	295.1	437.5	625.0
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA	96.4	96.4	65.6	98.4	0.0	0.0
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.	0.0	0.0	0.0	0.0	125.0	0.0
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	192.8	481.9	1868.9	1934.4	1375.0	1750.0
CHAETOGNATHS	5208.8	7710.8	3278.7	2360.7	4687.5	4937.5
TUNICATES						
DOLIOLIDS	3662.6	2602.4	32.8	0.0	62.5	312.5
LARVACEANS	3759.0	7710.8	7049.2	7600.6	1062.5	2000.0
SALPS	0.0	96.4	196.7	262.3	125.0	0.0
FISH	4542.2	2313.3	131.1	262.3	893.6	812.5
FISH EGGS	5743.1	3662.6	4950.8	3836.1	2697.5	3687.5
HALOBATES MICANS	289.2	192.8	295.1	131.1	503.0	500.0
PLANT STEMS	PRESENT			PRESENT		
PLASTIC						
SARGASSUM	PRESENT					
SARGASSUM FAUNA	PRESENT					PRESENT
TAR	2.1	0.0	0.6	1.5	0.2	0.3
TERRESTRIAL INSECTS	102.4	96.4	32.8	0.0	0.0	0.0
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT		PRESENT
COPEPOD EXOSKELETONS						
SHELL FRAGMENTS						
STRING						
FEATHERS	PRESENT					
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	177559.	127132.	25705.	22000.	45435.	62313.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	96.4	96.4	32.8	32.8	62.5	62.5
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 4.	1/ 4.	1/ 8.	1/ 8.

TABLE 1 CONT.'D

AUGUST 1977: TRANSECT II: STATION:	2N1	2N4	3D2	3D3	3N1	3N3
TOTAL NO. PER 1.000 CUBIC METERS	177559.	127132.	25705.	22000.	45438.	62313.
TOTAL MOLLUSCA	6361.	2602.	1279.	492.	2688.	3688.
TOTAL CRUSTACEA	145928.	98313.	4721.	3377.	29641.	42500.
TOTAL DECAPOD LARVAE	38458.	34410.	426.	66.	10250.	15125.
TOTAL COPEPODA	11084.	6458.	2426.	1672.	8375.	12125.
TOTAL ADULT PONTELLID COPEPODS	1542.	2120.	525.	361.	313.	750.
TOTAL IMMATURE PONTELLID COPEPODS	1253.	1349.	1377.	1115.	500.	438.
TOTAL TUNICATES	7422.	10410.	7279.	7869.	1250.	2313.
TOTAL FISH	4542.	2313.	131.	262.	891.	813.
TOTAL FISH EGGS	5783.	3663.	4951.	3836.	2688.	3688.
TAR (GRAMS PER 1.000 CUBIC METERS)	2.10	0.00	0.56	1.51	0.19	0.25

TABLE 1 CONT.'D

FALL 1977: TRANSECT 1: STATION:	103	104	201	204	301	302
FORAMINIFERA						
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS			RARE	RARE	RARE	RARE
MEDUSAE	2635.3	1892.4	0.0	0.0	0.0	0.0
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCICRIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	376.5	376.5	0.0	0.0	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS						
GASTROPOD MEROPLANKTERS	2258.8	752.9	0.0	0.0	0.0	2424.2
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
METEROPODS						
ATLANTIDAE						
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	0.0	0.0	0.0	113.2	0.0	0.0
CRESEIS VIRGULA						
DIACRIA OJADRIDENTATA						
LIMACINA BULINOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	0.0	0.0	0.0	0.0	969.7	1616.2
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOZOMES						
OTHER						
CRUSTACEA						
AMPHIPODA						
HYPERIIDAE	0.0	0.0	37.7	37.7	23111.1	9535.4
PHRONIMIDS						
PHRONINA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIOS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS	0.0	0.0	0.0	9.4	0.0	0.0
CARIDEAN SHRIMP	752.9	0.0	0.0	9.4	0.0	0.0
LUCIFER FAXONI	14682.4	14632.4	1584.9	1169.8	323.2	1131.3
LUCIFER TYPUS						
LARVAE						
ANDMURAN CRAB LARVAE	0.0	7935.9	0.0	0.0	0.0	0.0
BRACHYURAN MEGALOPS	19932.9	16138.2	1735.8	1132.1	55798.0	62343.8
BRACHYURAN ZOEAS	24094.1	10164.7	188.7	56.6	808.1	1292.9

FALL 1977:

TABLE 1 CONT.'D

TRANSECT I:

STATION:	1D3	1D4	2D1	2D4	3D1	3D2
(cont.)						
MACRUFAN LARVAE						
SHRIMP LARVAE	23741.2	17694.1	150.9	75.5	1292.9	1292.9
STomatopod ALIMA LARVAE	0.0	0.0	0.0	37.7	0.0	0.0
EUPHAUSIID						
CUMACEA						
MYSIDACEA	376.5	0.0	0.0	0.0	0.0	0.0
OSTRACODA	0.0	0.0	0.0	0.0	161.6	484.8
CLADOCERA						
COPEPODA						
CALANCIOS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	8282.4	13929.4	188.7	152.8	323.2	161.6
CENTROPAGES FURCATUS FEMALE	29364.7	33882.4	3018.9	4000.0	646.5	484.8
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNUCALANUS MINOR	0.0	0.0	0.0	0.0	646.5	0.0
PLEUROMANNA PISECKI FEMALE						
PLEUROMANNA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUROMANNA ARDOMINALIS IMMATURE						
PLEUROMANNA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	0.0	0.0	75.5	75.5	161.6	323.2
TEMORA TURBINATA	1505.9	4141.2	113.2	188.7	0.0	0.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES	0.0	0.0	0.0	0.0	646.5	0.0
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES	1129.4	1882.4	0.0	0.0	0.0	0.0
EUCALANUS PILEATUS FEMALES	9411.8	12047.1	113.2	9.4	161.6	484.8
EUCALANUS PILEATUS IMMATURES	17694.1	22964.7	0.0	9.4	2909.1	3878.8
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE						
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	0.0	0.0	0.0	0.0	484.8	1292.9
CALANOPIA AMERICANA FEMALE	376.5	1505.9	0.0	0.0	484.8	7757.6
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	53717.6	66258.8	452.9	113.2	0.0	0.0

FALL 1977:

TABLE 1 CONT'D

TRANSECT I:

STATION:

1D3 1D4 2D1 2D4 3D1 3D2

(cont.)

	1D3	1D4	2D1	2D4	3D1	3D2
LABIDOCERA AESTIVA FEMALE	39152.9	42541.2	226.4	139.7	0.0	0.0
LABIDOCERA SCOTTI MALE	15941.2	23717.6	4867.7	2726.4	0.0	161.6
LABIDOCERA SCOTTI FEMALE	38400.0	53458.8	226.4	149.8	0.0	161.6
LABIDOCERA IMMATURE	0.0	201035.3	3207.5	5471.7	0.0	967.7
PONTELLA MEADII MALE	0.0	0.0	1283.0	556.0	0.0	0.0
PONTELLA MEADII FEMALE	376.5	0.0	566.0	377.4	0.0	0.0
PONTELLA MINOCEPANI						
PONTELLA SECURIFER MALE						
PONTELLA OCCUPIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	4517.6	4874.1	1396.2	935.7	0.0	0.0
PONTELLOPSIS VILLOSA MALE	752.9	1129.4	490.6	603.8	0.0	323.2
PONTELLOPSIS VILLOSA FEMALE	0.0	0.0	226.4	113.2	0.0	0.0
PONTELLOPSIS IMMATURE	0.0	0.0	113.2	0.0	1616.2	0.0
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	44800.0	49674.1	37.7	226.4	0.0	484.8
CYCLOPOIDA	0.0	0.0	264.2	75.5	0.0	0.0
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE						
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROVACUOLATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGONIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	8292.4	3348.2	0.0	0.0	0.0	0.0
CHAETOGNATHS	13929.4	14632.4	1434.0	1118.7	2747.5	11636.4
TUNICATES						
DOLIOLIDES						
LARVAEANS	376.5	0.0	37.7	75.5	0.0	0.0
SALPS						
FISH	1564.7	1541.2	37.7	0.0	161.6	171.7
FISH EGGS	0.0	752.9	1056.6	743.4	0.0	161.6
HALOPTATES MICANS	376.5	376.5	415.1	150.9	161.6	0.0
PLANT STEMS						
PLASTIC		PRESENT				
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT		PRESENT
SARGASSUM FAUNA	PRESENT	PRESENT	PRESENT	PRESENT		PRESENT
TAR	29.8	46.8	43.4	29.8	22.6	13.4
TERRESTRIAL INSECTS						
WOOD						
MISCELLANEOUS DEBRIS	PRESENT		PRESENT	PRESENT		PRESENT
COPEPOD EXOSKELETONS			PRESENT	PRESENT		
SHELL FRAGMENTS						
STRINGS						
FEATHERS	PRESENT					
SEA BEANS (PLANT SEEDS)				PRESENT		
TOTAL NO. PER 1.000 CUBIC METERS	367623.	623470.	23547.	21104.	101973.	109615.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	376.5	376.5	37.7	37.7	161.6	161.6
ALIQUNT SIZE	1/ 32.	1/ 32.	1/ 4.	1/ 4.	1/ 16.	1/ 16.

TABLE 1 CONT'D

FALL 1977: TRANSECT 1: STATION:	103	104	201	204	301	302
TOTAL NO. PER 1,000 CUBIC METERS	387823.	623470.	23547.	21104.	101979.	108615.
TOTAL MOLLUSCA	2259.	753.	0.	113.	970.	4040.
TOTAL CRUSTACEA	354023.	599717.	20302.	18726.	97939.	92606.
TOTAL DECAPOD LARVAE	73788.	51953.	2075.	1254.	61899.	64970.
TOTAL COPEPODA	268423.	533092.	16604.	16198.	12444.	16485.
TOTAL ADULT PONTELLID COPEPODS	151717.	188612.	3340.	4858.	5333.	9597.
TOTAL IMMATURE PONTELLID COPEPODS	4518.	205929.	4717.	6377.	1616.	970.
TOTAL TUNICATES	376.	0.	38.	75.	0.	0.
TOTAL FISH	1565.	1541.	38.	0.	162.	172.
TOTAL FISH EGGS	0.	753.	1057.	943.	0.	162.
TAR (GRAMS PER 1,000 CUBIC METERS)	29.84	46.32	43.42	28.79	26.63	13.39

TABLE 1 CONT.'D

FALL 1977: TRANSECT II: STATION:	101	102	101	104	201	203
FORAMINIFERA						
SIPHONOPHORES						
PHYSAIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS		RARE		RARE	ABUNDANT	RARE
MEDUSAE	307.7	923.1	1066.7	1931.0	0.0	0.0
CTENOPHORES	102.6	0.0	0.0	0.0	0.0	0.0
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	0.0	307.7	0.0	0.0	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	0.0	0.0	0.0	152.4	0.0	0.0
GASTROPOD MEROPLANKTERS	0.0	205.1	914.3	4266.7	46.5	46.5
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUNDLE RAFTS						
HETEROPUS						
ATLANTIDAE						
PTEROTRACHEIDAE						
PTEROPUS						
CAVOLINTA GIBBOSA						
CAVOLINTA INFLEXA						
CAVOLINTA LONGIROSTRIS						
CAVOLINTA UNCINATA						
CRESEIS ACICULA	102.6	0.0	304.8	152.4	0.0	46.5
CRESEIS VIRGULA	0.0	0.0	0.0	1066.7	139.5	186.0
DIACRIA QUADRIDENTATA						
LIMACINA MULLINOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	0.0	0.0	0.0	152.4	46.5	46.5
STYLICLA SUBULA						
HYALOCYLLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA						
HYPERIIDAE	102.6	0.0	457.1	3352.4	46.5	46.5
PHEGONIID						
PHEGONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORUNID CRABS	0.0	0.0	19.0	9.5	0.0	0.0
CARDIFAN SHRIMP	0.0	0.0	9.5	0.0	0.0	0.0
LUCIFER FAXONI	102.6	512.8	457.1	457.1	46.5	46.5
LUCIFER TYPUS						
LARVAE						
ANDRIURAN CRAB LARVAE						
BRACHYURAN MEGALOPS	307.7	102.6	7009.5	12617.6	0.0	0.0
BRACHYURAN ZOEAS	0.0	102.6	1981.0	3504.8	465.1	511.6

TABLE 1 CONT.'D

FALL 1977:

TRANSECT II:

STATION:	1D1	1D2	1N1	1N4	2D1	2D3
(cont.)						
MEGALOPHAGAN LARVAE						
SMALLER LARVAE	615.4	512.8	13714.3	25295.2	139.5	93.0
STOICATA PPD ALTHA LARVAE						
EUPHAUSIID						
CUMACEA						
MYSIDACEA	0.0	0.0	152.4	0.0	0.0	0.0
OSTRACODA	0.0	0.0	0.0	0.0	46.5	93.0
CLADOCERA						
COPEPODA						
CALANOID						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	307.7	1025.6	4266.7	8339.1	0.0	46.5
CENTROPAGES FURCATUS FEMALE	1641.0	1743.6	19939.5	50133.3	0.0	93.0
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNUCALANUS MINOR						
PLEUROMANNA PISECKI FEMALE						
PLEUROMANNA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUROMANNA ABDOMINALIS IMMATURE						
PLEUROMANNA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	0.0	0.0	304.8	607.5	0.0	0.0
TEMORA TURBINATA	0.0	102.6	761.9	1371.4	0.0	0.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE	0.0	0.0	0.0	0.0	0.0	46.5
UNDINULA VULGARIS FEMALE	0.0	0.0	0.0	152.4	0.0	0.0
UNDINULA VULGARIS IMMATURES	0.0	0.0	304.8	0.0	790.7	1023.3
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES	0.0	102.6	152.4	1676.2	0.0	0.0
EUCALANUS PILEATUS FEMALES	307.7	820.3	13866.7	24330.9	0.0	0.0
EUCALANUS PILEATUS IMMATURES	0.0	205.1	17521.8	30476.2	0.0	0.0
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE						
PONTELLID						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPTIA AMERICANA MALE	0.0	0.0	0.0	304.8	0.0	0.0
CALANOPTIA AMERICANA FEMALE	0.0	0.0	304.8	1219.0	0.0	0.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA ACUTIFRONS IMMATURE						
LABIDOCERA ACUTIFRONS MALE	717.9	1846.2	3352.4	8333.1	0.0	46.5

TABLE 1 CONT.'D

FALL 1977:

TRANSECT II:

STATION:	1D1	1D2	1N1	1N4	2D1	2D3
(cont.)						
LABIDOCERA AESTIVA FEMALE	2871.8	4615.4	1981.0	4076.2	46.5	93.0
LABIDOCERA SCOTTI MALE	26564.1	65743.6	5485.7	11866.7	232.6	46.5
LABIDOCERA SCOTTI FEMALE	5641.0	21333.3	304.8	1066.7	46.5	46.5
LABIDOCERA IMMATURE	44820.5	93948.7	1828.6	4266.7	1239.3	1438.4
PONTELLA MEADII MALE						
PONTELLA MEADII FEMALE	0.0	0.0	0.0	152.4	0.0	0.0
PONTELLA MINGOCHANI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	615.4	1846.2	914.3	1066.7	93.0	46.5
PONTELOPSIS VILLOSA MALE	205.1	512.8	1219.0	304.8	146.0	186.0
PONTELOPSIS VILLOSA FEMALE	205.1	0.0	0.0	0.0	139.5	139.5
PONTELOPSIS IMMATURE	0.0	0.0	152.4	152.4	43.0	46.5
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	0.0	0.0	0.0	304.8	93.0	372.1
CYCLOPOIDA	102.6	0.0	0.0	0.0	46.5	0.0
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE						
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA NEFALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS	0.0	102.6	0.0	0.0	0.0	0.0
SCHEMOPH LARVAE	410.3	307.7	0.0	607.5	0.0	0.0
CHAETOGNATHS	2256.4	2051.3	6552.4	17523.8	7767.4	9418.6
TUNICATES						
OLLICULIDS	0.0	0.0	0.0	0.0	232.6	93.0
LARVACEANS	410.3	0.0	0.0	304.8	232.6	139.5
SALPS						
FISH	0.0	102.6	19.0	639.1	46.5	0.0
FISH EGGS	717.9	820.5	1066.7	4266.7	1255.8	1209.3
HALOBATES MICANS	0.0	0.0	0.0	1676.2	0.0	93.0
PLANT STEMS						PRESENT
PLASTIC						
SARGASSUM			PRESENT	PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA			PRESENT		PRESENT	PRESENT
TAR	2.1	9.2	0.0	1.3	1.3	0.0
TERRESTRIAL INSECTS	102.6	0.0	0.0	0.0	0.0	0.0
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS			PRESENT	PRESENT		PRESENT
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	90564.	199847.	106257.	235314.	13448.	14791.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	102.6	102.6	152.4	152.4	46.5	46.5
ALLOQUOT SIZE	1/ 8.	1/ 8.	1/ 16.	1/ 16.	1/ 4.	1/ 4.

TABLE 1 CONT'D

FALL 1977: TRANSECT II: STATION:	101	102	101	104	201	203
TOTAL NO. PER 1,000 CUBIC METERS	90564.	199897.	106257.	235314.	13488.	14791.
TOTAL MOLLUSCA	103.	205.	1219.	5790.	233.	326.
TOTAL CRUSTACEA	86051.	195076.	96333.	202523.	3674.	4512.
TOTAL DECAPOD LARVAE	923.	718.	22705.	41443.	605.	605.
TOTAL COPEPODA	84923.	193846.	72533.	157257.	2930.	3721.
TOTAL ADULT PONTELLID COPEPODS	37231.	94051.	12648.	33329.	651.	558.
TOTAL IMMATURE PONTELLID COPEPODS	45435.	95794.	2895.	5185.	1395.	1581.
TOTAL TUNICATES	410.	0.	0.	305.	465.	233.
TOTAL FISH	0.	103.	19.	638.	47.	0.
TOTAL FISH EGGS	718.	821.	1067.	4267.	1256.	1209.
TAN (GRAMS PER 1,000 CUBIC METERS)	2.05	9.23	0.00	1.34	1.27	0.00

TABLE 1 CONT.'D

FALL 1977: TRANSECT II: STATION:	2N1	2N4	301	303	3N1	3N3
FORAMINIFERA	164.9	0.0	117.6	39.2	0.0	145.5
SIPHONOPHORES	0.0	0.0	0.0	39.2	0.0	0.0
PHYSALIA						
POPPITA						
VELLELA						
SIPHONOPHORE PARTS	COMMON	COMMON	COMMON		COMMON	COMMON
MEDUSAE	1484.5	1314.3	39.2	39.2	0.0	0.0
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE	164.7	329.9	0.0	0.0	0.0	0.0
OTHER						
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	164.9	329.9	0.0	0.0	0.0	0.0
GASTROPOD MEROPLANKTERS	989.7	2204.1	0.0	0.0	436.4	290.9
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIIDAE	164.9	324.7	0.0	39.2	0.0	0.0
PTEROTRACHEIDAE						
OTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	164.7	329.9	39.2	39.2	436.4	290.9
CRESEIS VIRGULA	329.9	1154.5	274.5	509.8	145.5	0.0
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	9732.0	22103.1	39.2	117.6	3490.9	1600.0
STYLIDIA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA						
HYPERIIDAE	20453.6	57896.9	0.0	0.0	50618.2	21672.7
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIOS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS	10.3	10.3	0.0	0.0	0.0	0.0
CARIDEAN SHRIMP	0.0	0.0	0.0	0.0	872.7	2618.2
LUCIFER FAXONI	3299.0	5443.3	9039.2	7607.8	4509.1	4363.6
LUCIFER TYPUS						
LARVAE						
BRACHYURAN CRAB LARVAE						
BRACHYURAN MEGALOPS	11711.3	12371.1	0.0	0.0	15272.7	29903.6
BRACHYURAN ZOEAS	12466.0	18639.2	741.2	784.3	3019.2	14254.5

TABLE 1 CONT.'D

FALL 1977:

TRANSECT II:

STATION:	2N1	2N4	3D1	3D3	3N1	3N3
(cont.)						
MACRO-PAN LARVAE						
SHRIMP LARVAE	7422.7	8092.5	745.1	1019.6	3200.0	4945.5
STOMATOPOD ALIMA LARVAE	0.0	164.9	0.0	39.2	0.0	145.5
EUPHAUSIID	0.0	0.0	0.0	0.0	0.0	436.4
CUMACEA						
MYSIDACEA	1484.5	2969.1	0.0	0.0	0.0	0.0
OSTRACODA	494.8	989.7	0.0	0.0	145.5	0.0
CLADOCERA	164.9	0.0	0.0	0.0	0.0	0.0
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE	0.0	0.0	0.0	0.0	0.0	145.5
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	494.8	659.8	117.6	78.4	436.4	145.5
CENTROPAGES FURCATUS FEMALE	1319.6	3299.0	666.7	156.9	436.4	581.8
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR	0.0	0.0	0.0	0.0	0.0	145.5
PLEUROMANNA PISECKI FEMALE						
PLEUROMANNA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUROMANNA ABDOMINALIS IMMATURE						
PLEUROMANNA SPP. IMMATURE						
RHINCALANUS CORNUTUS	0.0	0.0	0.0	0.0	0.0	145.5
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	659.8	1649.5	2000.0	902.0	290.9	581.8
TEMORA TURBINATA	0.0	0.0	0.0	0.0	0.0	290.9
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE	0.0	0.0	0.0	39.2	0.0	0.0
UNDINULA VULGARIS FEMALE	164.9	0.0	0.0	0.0	0.0	0.0
UNDINULA VULGARIS IMMATURES	1154.6	1979.4	392.2	39.2	0.0	727.3
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES	72.2	2969.1	39.2	0.0	0.0	0.0
EUCALANUS PILEATUS FEMALES	309.3	8742.3	235.3	235.3	0.0	1018.2
EUCALANUS PILEATUS IMMATURES	154.6	3958.8	313.7	196.1	0.0	1745.5
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE						
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	164.9	659.8	0.0	0.0	581.8	727.3
CALANOPIA AMERICANA FEMALE	4298.7	12536.1	0.0	78.4	1745.5	2036.4
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	989.7	3134.0	0.0	0.0	0.0	0.0

TABLE 1 CONT.'D

FALL 1977:

TRANSECT II:

STATION:

2N1

2N4

3D1

3D3

3N1

3N3

(cont.)

LABIDOCERA AESTIVA FEMALE	824.7	939.7	0.0	0.0	0.0	0.0
LABIDOCERA SCOTTI MALE	51.5	1154.6	39.2	0.0	0.0	0.0
LABIDOCERA SCOTTI FEMALE	10.3	0.0	0.0	0.0	0.0	0.0
LABIDOCERA IMMATURE	494.8	1154.6	78.4	0.0	0.0	145.5
PONTELLA MEADII MALE						
PONTELLA MEADII FEMALE						
PONTELLA MINGOCEPANI	10.3	0.0	0.0	0.0	0.0	0.0
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	329.9	0.0	39.2	78.4	0.0	145.5
PONTELLOPSIS VILLOSA MALE	2639.2	3951.9	39.2	78.4	145.5	0.0
PONTELLOPSIS VILLOSA FEMALE	989.7	1481.5	78.4	39.2	145.5	145.5
PONTELLOPSIS IMMATURE	0.0	494.8	313.7	78.4	145.5	145.5
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	494.8	989.7	666.7	39.2	0.0	290.9
CYCLOPOIDA	989.7	1649.5	313.7	156.9	145.5	0.0
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE	164.9	0.0	0.0	0.0	0.0	0.0
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA	0.0	164.9	0.0	0.0	0.0	0.0
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA	0.0	164.9	0.0	0.0	0.0	0.0
CALIGONIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	53278.3	28371.1	117.6	0.0	0.0	0.0
CHAETOGNATHS	27051.5	19134.0	4235.3	3254.9	11490.9	18763.6
TUNICATES						
DOLIOLIDIS	824.7	494.8	117.6	39.2	581.8	372.7
LARVACEANS	659.8	494.8	784.3	588.2	0.0	2327.3
SALPS						
FISH	3463.9	3639.2	39.2	0.0	472.7	54.5
FISH EGGS	1319.6	3793.8	117.6	235.3	145.5	145.5
HALOQUATES MICANS	164.9	164.9	0.0	39.2	0.0	145.5
PLANT STEMS						
PLASTIC						
SARGASSUM	PRESENT	PRESENT		PRESENT		PRESENT
SARGASSUM FAUNA	PRESENT	PRESENT			PRESENT	
TAR	7.4	0.9	1.45	0.74	0.0	0.0
TERRESTRIAL INSECTS						
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT		PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS			PRESENT	PRESENT	PRESENT	
SHELL FRAGMENTS						
STRING						
FEATHERS					PRESENT	
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	174803.	244143.	20980.	15627.	103909.	112199.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	164.9	164.9	39.2	39.2	145.5	145.5
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 4.	1/ 4.	1/ 16.	1/ 16.

TABLE 1 CONT'D

FALL 1977: TRANSECT II: STATION:	2N1	2N4	301	303	3N1	3N3
TOTAL NO. PER 1,000 CUBIC METERS	174803.	244143.	20980.	16627.	103909.	112199.
TOTAL MOLLUSCA	11546.	27546.	353.	706.	4509.	2182.
TOTAL CRUSTACEA	73526.	156381.	14745.	11470.	86564.	87563.
TOTAL DECAPOD LARVAE	32000.	37093.	1686.	1924.	26491.	49164.
TOTAL COPEPODA	15619.	49814.	5020.	2039.	3927.	9164.
TOTAL ADULT PONTELLID COPEPODS	9969.	23918.	157.	196.	2618.	2909.
TOTAL IMMATURE PONTELLID COPEPODS	825.	1649.	431.	157.	145.	436.
TOTAL TUNICATES	1485.	990.	902.	627.	532.	3200.
TOTAL FISH	3464.	3639.	39.	0.	473.	55.
TOTAL FISH EGGS	1320.	3794.	118.	235.	115.	145.
TAR (GRAMS PER 1,000 CUBIC METERS)	7.42	0.82	1.45	0.74	0.00	0.00

TABLE 1 CONT'D

FALL 1977: TRANSECT III: STATIONS:	101	104	201	203	301	303
FORAMINIFERA	0.0	0.0	297.9	85.1	0.0	0.0
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS	RARE			COMMON	RARE	RARE
MEDUSAE	333.3	0.0	0.0	42.6	0.0	0.0
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIDIIDAE						
TOMOPTERIIDAE						
TYPHLOSCOLECIDAE						
OTHER						
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	0.0	0.0	127.7	0.0	0.0	0.0
GASTROPOD MEROPLANKTERS	0.0	0.0	0.0	0.0	51.9	0.0
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
METEROPODS						
ATLANTIDAE	0.0	0.0	297.9	170.2	0.0	0.0
PTEROTRACHEIDAE						
PTEROPODS	0.0	0.0	0.0	42.6	0.0	0.0
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS	0.0	0.0	42.6	0.0	0.0	0.0
CAVOLINIA UNCINATA						
CRESEIS ACICULA	0.0	0.0	85.1	0.0	0.0	0.0
CRESEIS VIRGULA	0.0	0.0	693.6	425.5	0.0	103.9
DIACRIA QUADRIDENTATA						
LIMACINA BULIMIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	0.0	0.0	170.2	127.7	0.0	0.0
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACILIS SPP.						
GYMNOSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA						
HYPERIIDAE	166.7	125.0	42.6	212.8	0.0	0.0
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS	0.0	0.0	0.0	42.6	0.0	0.0
PORTUNID CRABS						
CARIDEAN SHRIMP	0.0	0.0	42.6	0.0	0.0	0.0
LUCIFER FAXONI	2916.7	625.0	6693.6	2972.3	51.9	0.0
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE						
BRACHYURAN MEGALOPS	83.3	166.7	85.1	170.2	51.9	0.0
BRACHYURAN ZOEAS	125.0	125.0	2297.9	2170.2	259.7	0.0

TABLE 1 CONT.'D

FALL 1977:

TRANSECT III:

STATION:	1D1	1D4	2D1	2D3	3D1	3D3
(cont.)						
MACRURAN LARVAE						
SHRIMP LARVAE	166.7	41.7	3489.4	2510.6	0.0	0.0
STOMATOPOD ALINA LARVAE	0.0	0.0	0.0	85.1	0.0	0.0
EUPHAUSIIDS	83.3	0.0	0.0	0.0	0.0	0.0
CUMACEA	0.0	0.0	468.1	297.9	0.0	0.0
MYSTACEA						
OSTRACODA	0.0	0.0	42.6	0.0	0.0	0.0
CLADOCERA						
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	208.3	250.0	638.3	42.6	0.0	0.0
CENTROPAGES FURCATUS FEMALE	1416.7	833.3	723.4	255.3	51.9	0.0
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR	0.0	0.0	85.1	0.0	0.0	0.0
PLEURONAMMA PISECKI FEMALE						
PLEURONAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEURONAMMA ABDOMINALIS IMMATURE						
PLEURONAMMA SPP. IMMATURE						
RHINCALANUS COPNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	0.0	0.0	255.3	170.2	51.9	0.0
TEMORA TURBINATA	0.0	0.0	170.2	0.0	0.0	0.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE	0.0	0.0	425.5	0.0	0.0	0.0
UNDINULA VULGARIS FEMALE	0.0	0.0	0.0	212.8	103.9	0.0
UNDINULA VULGARIS IMMATURES	0.0	0.0	851.1	425.5	259.7	0.0
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES	0.0	0.0	468.1	21.3	0.0	0.0
EUCALANUS PILEATUS FEMALES	166.7	41.7	1446.8	595.1	0.0	0.0
EUCALANUS PILEATUS IMMATURES	0.0	0.0	2170.2	138.3	0.0	0.0
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE						
PONTELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	0.0	0.0	383.0	42.6	0.0	0.0
CALANOPIA AMERICANA FEMALE	0.0	0.0	1021.3	510.6	0.0	0.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA FESTIVA MALE	291.7	708.3	42.6	0.0	0.0	0.0

TABLE 1 CONT.'D

FALL 1977: TRANSECT III: STATION:	101	104	201	203	301	303
TOTAL NO. PER 1,000 CUBIC METERS	26583.	25375.	39191.	36000.	2234.	468.
TOTAL MOLLUSCA	0.	0.	1617.	766.	52.	104.
TOTAL CRUSTACEA	24958.	24750.	27830.	24277.	1091.	0.
TOTAL DECAPOD LARVAE	375.	333.	5872.	4851.	312.	0.
TOTAL COPEPODA	21417.	23667.	14468.	8915.	727.	0.
TOTAL ADULT PONTELLID COPEPODS	3208.	3833.	4553.	5149.	52.	0.
TOTAL IMMATURE PONTELLID COPEPODS	14667.	17042.	2538.	1702.	104.	0.
TOTAL TUNICATES	42.	42.	638.	340.	260.	0.
TOTAL FISH	0.	0.	638.	787.	0.	0.
TOTAL FISH EGGS	125.	208.	128.	125.	354.	104.
TAR (GRAMS PER 1,000 CUBIC METERS)	1.92	52.00	0.00	0.00	0.00	0.00

TABLE 1 CONT.'D

FALL 1977: TRANSPECT IV: STATION:	102	103	201	204	301	303
FORAMINIFERA	0.0	0.0	0.0	0.0	127.7	127.7
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS		PRESENT		COMMON	ABUNDANT	COMMON
MEDUSAE	7230.8	12461.5	0.0	36.7	0.0	0.0
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIIDAE						
TOMOPTERIIDAE	0.0	0.0	0.0	0.0	42.6	85.1
TYPHLOSCOLECIDAE						
OTHER	461.5	0.0	0.0	0.0	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS						
GASTROPOD MEROPLANKTERS	0.0	153.8	73.4	0.0	95.1	127.7
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
METERCPODS						
ATLANTIDAE						
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	0.0	0.0	110.1	0.0	0.0	0.0
CRESEIS VIRGULA	1230.8	461.5	0.0	0.0	766.0	212.8
DIACRIA QUADRIDENTATA						
LIMACINA RULINOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	307.7	0.0	0.0	0.0	42.6	255.3
STYLIDLA SUBULA						
HYALOCYLIS STRIATA						
PERACILIS SPP.	0.0	0.0	36.7	0.0	0.0	0.0
GYMNCSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA	153.8	153.8	0.0	0.0	0.0	0.0
HYPERIIDAE	2923.1	4000.0	36.7	0.0	85.1	42.6
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIOS						
DECAPODA						
BRACHYURAN CRABS	0.0	153.8	0.0	0.0	0.0	0.0
PORTUNID CRABS	38.5	0.0	0.0	0.0	0.0	0.0
CARIDEAN SHRIMP	0.0	0.0	0.0	0.0	42.6	0.0
LUCIFER FAXONI	38461.5	45076.9	256.9	146.8	1148.9	723.4
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	1076.9	1230.8	0.0	0.0	0.0	0.0
BRACHYURAN MEGALOPS	23015.4	17846.2	36.7	0.0	0.0	0.0
BRACHYURAN ZOEAS	24923.1	28000.0	0.0	0.0	42.6	0.0

TABLE 1 CONT'D

FALL 1977:

TRANSECT IV:

STATION:	1D2	1D3	2D1	2D4	3D1	3D3
(cont.)						
MACHURAN LARVAE						
SHRIMP LARVAE	28923.1	30923.1	0.0	0.0	42.6	0.0
STOMATOPOD ALINA LARVAE	0.0	307.7	0.0	0.0	0.0	0.0
EUPHAUSIIDS	0.0	0.0	36.7	0.0	127.7	0.0
CYPRIDEA	153.6	0.0	0.0	0.0	0.0	0.0
MYSIDACEA	153.8	461.5	0.0	0.0	0.0	0.0
OSTRACODA	0.0	0.0	0.0	0.0	0.0	85.1
CLADOCERA						
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.						
CENTROPAGES FURCATUS MALE	923.1	1384.6	0.0	0.0	42.6	0.0
CENTROPAGES FURCATUS FEMALE	9538.5	8153.8	36.7	0.0	170.2	0.0
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANICALANUS MINOR	0.0	0.0	0.0	0.0	85.1	0.0
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUROMAMMA ABDOMINALIS IMMATURE						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	153.8	0.0	0.0	0.0	127.7	212.8
TEMORA TURBINATA	769.2	461.5	0.0	0.0	0.0	0.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES	0.0	0.0	0.0	36.7	127.7	85.1
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES	769.2	1076.9	0.0	0.0	0.0	0.0
EUCALANUS PILEATUS FEMALES	13692.3	16769.2	0.0	0.0	85.1	127.7
EUCALANUS PILEATUS IMMATURES	461.5	1076.9	0.0	0.0	127.7	42.6
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE						
POCELLIDS						
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	461.5	615.4	0.0	0.0	0.0	42.6
CALANOPIA AMERICANA FEMALE	1846.2	1538.5	0.0	0.0	42.6	0.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	25230.8	22000.0	0.0	0.0	0.0	0.0

TABLE 1 CONT.'D

FALL 1977:

TRANSECT IV:

STATION:	1D2	1D3	2D1	2D4	3D1	3D3
(cont.)						
LABIDOCERA AESTIVA FEMALE	8461.5	9538.5	0.0	0.0	95.1	42.6
LABIDOCERA SCOTTI MALE	17692.3	21384.0	0.0	16.7	7.0	42.6
LABIDOCERA SCOTTI FEMALE	5230.8	8461.5	0.0	36.7	0.0	0.0
LABIDOCERA IMMATURE	9692.3	14461.5	146.9	110.1	469.1	170.2
PONTELLA MEADII MALE	0.0	307.7	0.0	0.0	0.0	0.0
PONTELLA MEADII FEMALE	307.7	461.5	0.0	7.0	42.6	0.0
PONTELLA MIMOCEPANI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE	0.0	0.0	0.0	36.7	0.0	0.0
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	153.8	0.0	183.5	110.1	297.9	42.6
PONTELLOPSIS VILLOSA MALE	6461.5	6153.8	73.4	0.0	212.8	212.8
PONTELLOPSIS VILLOSA FEMALE	307.7	461.5	73.4	0.0	127.7	85.1
PONTELLOPSIS IMMATURE	307.7	153.8	110.1	0.0	127.7	85.1
PONTELLINA PLUMATA MALE	0.0	0.0	0.0	0.0	42.6	0.0
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	7538.5	8923.1	0.0	36.7	0.0	42.6
CYCLOPOIDA	153.8	153.8	0.0	0.0	1021.3	638.3
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE						
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA	0.0	0.0	0.0	0.0	0.0	42.6
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA	0.0	0.0	36.7	0.0	42.6	0.0
CALICOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	24307.7	18923.1	0.0	0.0	680.9	212.8
CHAETONATHS	7846.2	10307.7	550.5	73.4	2170.2	1531.9
TUNICATES						
DOLICLIDS	0.0	0.0	0.0	0.0	690.9	42.6
LARVACEANS	0.0	615.4	36.7	0.0	510.6	553.2
SALPS						
FISH	1750.0	2086.5	45.9	110.1	35.1	42.6
FISH EGGS	2307.7	2461.5	256.9	146.8	808.5	297.9
HALOBATES MICANS	307.7	461.5	110.1	146.8	42.6	42.6
PLANT STEMS	PRESENT	PRESENT	PRESENT			
PLASTIC						
SARGASSUM						
SARGASSUM FAUNA	PRESENT	PRESENT	PRESENT	PRESENT		
TAR	7.3	0.3	0.0	0.0	0.0	1.5
TERRESTRIAL INSECTS	307.7	0.0	36.7	7.0	95.1	212.8
WOOD						RARE
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT		PRESENT
COPEPOD EXOSKELETONS						
SHELL FRAGMENTS						
STRING						
FEATHERS				RARE		
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	273634.	299624.	2284.	1064.	10344.	6511.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	153.8	153.8	36.7	36.7	42.6	42.6
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 4.	1/ 4.	1/ 4.	1/ 4.

TABLE 1 CONT.'D

FALL 1977: TRANSECT IV: STATION:	102	103	201	204	301	303
TOTAL NO. PER 1,000 CUBIC METERS	273634.	299624.	2284.	1064.	10594.	6511.
TOTAL MOLLUSCA	1538.	615.	220.	0.	894.	596.
TOTAL CRUSTACEA	227423.	251538.	991.	550.	3702.	2085.
TOTAL DECAPOD LARVAE	75538.	79000.	37.	0.	95.	0.
TOTAL COPEPODA	110000.	123384.	624.	404.	2213.	1234.
TOTAL ADULT PONTELLID COPEPODS	56000.	70923.	147.	110.	553.	425.
TOTAL IMMATURE PONTELLID COPEPODS	10154.	14615.	440.	220.	894.	298.
TOTAL TUNICATES	0.	615.	37.	0.	1191.	596.
TOTAL FISH	1750.	2087.	46.	110.	95.	43.
TOTAL FISH EGGS	2308.	2462.	257.	147.	809.	298.
TAR (GRAMS PER 1,000 CUBIC METERS)	7.26	0.31	0.00	0.00	0.00	1.52

TABLE 1 CONT.'D

NOVEMBER 1977: TRANSECT II: STATION:	102	104	101	103	202	20
FORAMINIFERA						
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS	RARE		RARE	RARE	RARE	COMM
MEDUSAE	0.0	598.1	252.0	755.9	0.0	0.
Ctenophores						
NEMATODES						
POLYCHAETES						
ALCIPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	0.0	598.1	0.0	0.0	0.0	0.
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	0.0	0.0	503.9	0.0	0.0	35.
GASTROPOD MEROPLANKTERS	0.0	0.0	0.0	755.9	2265.5	3079.
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	0.0	0.0	0.0	0.0	35.4	35.
PTEROTRACHEIDAE						
PTEROPODS						
CAYOLINIA GIBBOSA						
CAYOLINIA INFLEXA	0.0	0.0	0.0	0.0	35.4	0.
CAYOLINIA LONGIROSTRIS						
CAYOLINIA UNCINATA						
CRESEIS ACICULA	299.1	299.1	0.0	0.0	0.0	0.
CRESEIS VIRGULA	0.0	0.0	503.9	1007.9	0.0	35.
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	0.0	0.0	0.0	0.0	0.0	106.
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACILIS SPP.						
GYMNOSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA						
HYPERIIDAE	0.0	0.0	3023.6	4031.5	0.0	105.
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS						
CARIDEAN SHRIMP						
LUCIFER FAXONI	5991.3	6579.4	3275.6	4031.5	35.4	35.
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE						
BRACHYURAN MEGALOPS	0.0	0.0	1007.9	1007.9	0.0	0.
BRACHYURAN ZOEAS	0.0	0.0	2519.7	1763.8	35.4	35.

TABLE 1 CONT.'D

NOVEMBER 1977:

TRANSECT II:

STATION: 1D2 1D4 1N1 1N3 2D2 2D3

(cont.)

	1D2	1D4	1N1	1N3	2D2	2D3
MACRURAN LARVAE						
SHRIMP LARVAE	14355.1	19439.3	33007.9	32252.0	775.8	212.
STOMATOPOD ALINA LARVAE						
EUPHAUSIIDES	0.0	0.0	0.0	503.9	0.0	0.
CUMACEA						
MYSIDACEA						
OSTRACODA						
CLADOCERA	299.1	0.0	503.9	0.0	0.0	0.
COPEPODA	0.0	299.1	0.0	0.0	0.0	0.
CALANOIDES						
CANDACIA CURTA MALE	0.0	0.0	0.0	0.0	0.0	35.
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.	0.0	0.0	0.0	0.0	141.6	35.
CENTROPAGES FURCATUS MALE	4186.9	8074.8	1259.8	1259.8	0.0	0.
CENTROPAGES FURCATUS FEMALE	20934.6	15252.3	8063.0	11590.5	106.2	35.
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR						
PLEUROMAMMA PISECKI FEMALE						
PLEUROMAMMA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUROMAMMA ABDOMINALIS IMMATURE						
PLEUROMAMMA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	9869.2	7177.6	8566.9	9070.9	70.8	141.
TEMORA TURBINATA	53532.7	48149.5	51401.6	57196.8	0.0	0.
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE	0.0	0.0	0.0	0.0	0.0	106.
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES	299.1	0.0	503.9	0.0	1097.3	1097.
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS FILEATUS MALES	18243.0	18841.1	9826.8	10834.6	0.0	0.
EUCALANUS FILEATUS FEMALES	49345.8	48149.5	48377.9	65007.9	106.2	106.
EUCALANUS FILEATUS IMMATURES	70579.4	44859.8	27716.5	30992.1	35.4	141.
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE						
PONTELLIDS	0.0	598.1	0.0	252.0	0.0	0.
ANOMALOCERA CORNATA MALE						
ANOMALOCERA CORNATA FEMALE						
ANOMALOCERA CORNATA IMMATURE						
CALANOPSIS AMERICANA MALE	299.1	1495.3	14110.2	11590.5	0.0	0.
CALANOPSIS AMERICANA FEMALE	1196.3	3837.9	37039.4	47622.0	35.4	0.
LABIDOCERA ACUTIFRONS MALE	0.0	0.0	0.0	0.0	35.4	0.
LABIDOCERA ACUTIFRONS FEMALE	0.0	0.0	0.0	0.0	70.8	0.
LABIDOCERA AESTIVA MALE	7177.6	8672.9	0.0	503.9	35.4	70.

TABLE 1 CONT.'D

NOVEMBER 1977:

TRANSECT II:

STATION:	1D2	1D4	1N1	1N3	2D2	2D3
(cont.)						
LABIDOCERA AESTIVA FEMALE	6579.4	5383.2	503.9	252.0	35.4	106.2
LABIDOCERA SCOTTI MALE	40672.9	55327.1	10582.7	14966.1	339.4	424.8
LABIDOCERA SCOTTI FEMALE	46953.3	55028.0	755.9	1259.8	141.6	35.4
LABIDOCERA IMMATURE	10168.2	8373.8	6047.2	3779.5	495.6	460.2
PONTELLA MEADII MALE	0.0	0.0	252.0	0.0	0.0	0.0
PONTELLA MEADII FEMALE	0.0	0.0	252.0	0.0	0.0	35.4
PONTELLA MIMOCERANI	598.1	0.0	252.0	0.0	0.0	0.0
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	299.1	0.0	755.9	755.9	247.8	35.4
PONTELLOPSIS VILLOSA MALE	5084.1	4785.0	7811.0	10834.6	1026.5	779.8
PONTELLOPSIS VILLOSA FEMALE	897.2	2093.5	3527.6	6803.1	672.6	283.2
PONTELLOPSIS IMMATURE	598.1	0.0	1763.8	2771.7	389.4	0.0
PONTELLINA PLUMATA MALE	0.0	0.0	0.0	0.0	35.4	35.4
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	2691.6	1196.3	0.0	755.9	0.0	0.0
CYCLOPOIDA	0.0	598.1	252.0	0.0	1132.7	708.0
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE						
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.	0.0	0.0	503.9	0.0	0.0	0.0
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	0.0	0.0	0.0	0.0	849.6	672.4
CHAETOGNATHS	10168.2	12261.7	13606.3	17889.8	2053.1	2548.7
TUNICATES						
OLLICLIDS	0.0	0.0	0.0	0.0	424.8	247.4
LARVACEANS	15252.3	19439.3	14110.2	18897.6	2796.5	3185.4
SALPS						
FISH	0.0	0.0	252.0	0.0	265.5	327.4
FISH EGGS	598.1	0.0	252.0	0.0	389.4	495.6
MALOBATES MICANS						
PLANT STEMS						
PLASTIC						
SARGASSUM					PRESENT	PRESENT
SARGASSUM FAUNA					PRESENT	PRESENT
TAR	9.9	0.0	4.8	0.0	12.9	100.0
TERRESTRIAL INSECTS	0.0	0.0	1007.9	755.9	53.1	132.7
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS		PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
SHELL FRAGMENTS						
STRING						
FEATHERS	PRESENT	PRESENT				
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	397158.	397457.	313952.	371653.	15319.	15965.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	299.1	299.1	252.0	252.0	35.4	35.
ALIQOUT SIZE	1/ 32.	1/ 32.	1/ 32.	1/ 32.	1/ 4.	1/ 4.

TABLE 1 CONT.'D

NOVEMBER 1977: TRANSECT II: STATION:	102	104	101	103	202	201
TOTAL NO. PER 1,000 CUBIC METERS	397158.	397457.	313952.	371653.	16319.	15965.
TOTAL MOLLUSCA	299.	299.	1008.	1764.	2336.	3292.
TOTAL CRUSTACEA	370841.	363663.	282708.	331590.	6018.	4354.
TOTAL DECAPOD LARVAE	14353.	19439.	36535.	35024.	814.	248.
TOTAL COPEPODA	350205.	337644.	239369.	287999.	5168.	3965.
TOTAL ADULT PONTELLID COPEPODS	109458.	137271.	75087.	93984.	2478.	1770.
TOTAL IMMATURE PONTELLID COPEPODS	11065.	8374.	8567.	7307.	1133.	496.
TOTAL TUNICATES	15252.	19439.	14110.	18898.	3221.	3434.
TOTAL FISH	0.	0.	252.	0.	265.	327.
TOTAL FISH EGGS	598.	0.	252.	0.	389.	496.
TAR (GRAMS PER 1,000 CUBIC METERS)	9.87	0.00	4.81	0.00	12.89	99.1

TABLE 1 CONT.'D

NOVEMBER 1977: TRANSECT II: STATION:	2N2	2N3	301	3D2	3N1	3N
FORAMINIFERA	266.7	0.0	0.0	0.0	298.1	795.
SIPHONOPHORES						
PHYSALIA						
PORPITA						
VELLELA						
SIPHONOPHORE PARTS	RARE	RARE	ABUNDANT	ABUNDANT	COMMON	COMMON
MEDUSAE						
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIOIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER						
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	1333.3	0.0	0.0	0.0	298.1	99.
GASTROPOD MEROPLANKTERS	5600.0	4800.0	150.9	264.2	397.5	99.
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
METEROPODS						
ATLANTIDAE	266.7	0.0	301.9	943.4	397.5	0.
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA	0.0	0.0	75.5	113.2	99.4	0.
CAVOLINIA LONGIRUSTRIS	0.0	0.0	0.0	0.0	138.8	0.
CAVOLINIA UNGINATA						
CRESEIS ACICULA	0.0	0.0	0.0	0.0	1192.5	0.
CRESEIS VIRGULA	7200.0	2933.3	528.3	2679.2	894.4	894.
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA	0.0	0.0	0.0	0.0	0.0	99.
LIMACINA TROCHIFORMIS	6933.3	1866.7	37.7	452.8	993.8	1888.
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES						
OTHER						
CRUSTACEA						
AMPHIPODA						
HYPERIIDAE	144799.9	105866.6	490.6	566.0	22757.8	34683.
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS	0.0	0.0	0.0	0.0	99.4	99.
CARIDEAN SHRIMP						
LUCIFER FAXONI	5866.7	1333.3	2566.0	2528.3	0.0	1490.
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE						
BRACHYURAN MEGALOPS	0.0	266.7	754.7	264.2	1093.2	1291.
BRACHYURAN ZOEAS	8000.0	6133.3	75.5	0.0	0.0	1291.

NOVEMBER 1977:

TABLE 1 CONT'D

TRANSECT II:

STATION:

2N2

2N3

3D1

3D2

3N1

3N2

(cont.)

	2N2	2N3	3D1	3D2	3N1	3N2
MACRURAN LARVAE						
SHRIMP LARVAE	533.3	1056.7	452.8	226.4	596.3	496.
STOMATOPOD ALIMA LARVAE	0.0	0.0	9.4	9.4	0.0	0.
EUPHAUSIIDS	533.3	256.7	0.0	113.2	0.0	99.
CUMACEA						
MYSIDACEA						
OSTRACODA	266.7	800.0	0.0	264.2	0.0	298.
CLADOCERA						
COPEPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE	0.0	0.0	339.6	0.0	0.0	0.
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.	0.0	0.0	113.2	0.0	0.0	0.
CENTROPAGES FURCATUS MALE	0.0	0.0	0.0	75.5	0.0	198.
CENTROPAGES FURCATUS FEMALE	266.7	533.3	0.0	113.2	298.1	99.
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE	266.7	0.0	0.0	0.0	0.0	0.
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR	0.0	266.7	0.0	0.0	0.0	99.
PLEUROMANNA PISECKI FEMALE						
PLEUROMANNA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUROMANNA ABDOMINALIS IMMATURE						
PLEUROMANNA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	1066.7	266.7	226.4	301.9	298.1	695.
TEMORA TURBINATA	266.7	0.0	0.0	452.8	596.3	298.
PARACANDACIA BISPINOSA MALE	0.0	0.0	0.0	301.9	0.0	0.
PARACANDACIA BISPINOSA FEMALE	0.0	0.0	37.7	301.9	0.0	0.
UNDINULA VULGARIS MALE	800.0	1866.7	37.7	0.0	0.0	0.
UNDINULA VULGARIS FEMALE	0.0	0.0	0.0	0.0	0.0	198.
UNDINULA VULGARIS IMMATURES	3866.7	2666.7	226.4	943.4	198.8	397.
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES	0.0	266.7	0.0	0.0	0.0	0.
EUCALANUS PILEATUS FEMALES	533.3	2133.3	37.7	0.0	198.8	0.
EUCALANUS PILEATUS IMMATURES	1600.0	800.0	0.0	0.0	198.8	397.
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE	0.0	0.0	0.0	75.5	0.0	0.
PONTELLIDS	0.0	0.0	113.2	943.4	0.0	0.
ANOMALOCERA ORNATA MALE						
ANOMALOCERA ORNATA FEMALE						
ANOMALOCERA ORNATA IMMATURE						
CALANOPIA AMERICANA MALE	2133.3	1333.3	0.0	113.2	198.8	99.
CALANOPIA AMERICANA FEMALE	4000.0	1600.0	0.0	138.7	0.0	99.
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE						

NOVEMBER 1977:

TRANSECT II:

TABLE 1 CONT'D

STATION:	2N2	2N3	3D1	3D2	3N1	3N2
(cont.)						
LABIDOCERA AESTIVA FEMALE	266.7	1066.7	0.0	0.0	0.0	0.0
LABIDOCERA SCOTTI MALE	1066.7	533.3	0.0	0.0	99.4	0.0
LABIDOCERA SCOTTI FEMALE	0.0	800.0	0.0	0.0	0.0	0.0
LABIDOCERA IMMATURE	1333.3	1333.3	188.7	377.4	99.4	99.4
PONTELLA MEADII MALE						
PONTELLA MEADII FEMALE						
PONTELLA VIMOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE	0.0	0.0	0.0	37.7	0.0	0.0
PONTELLOPSIS VILLOSA MALE	4533.3	256.7	113.2	0.0	198.8	99.4
PONTELLOPSIS VILLOSA FEMALE	2933.3	1066.7	37.7	0.0	99.4	198.8
PONTELLOPSIS IMMATURE	533.3	266.7	0.0	150.9	299.1	695.7
PONTELLINA PLUMATA MALE	0.0	0.0	5660.4	4754.7	198.8	298.1
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE	0.0	0.0	0.0	0.0	0.0	99.4
IMMATURE & UNIDENTIFIED CALANOID	800.0	533.3	754.7	2867.9	0.0	894.4
CYCLOPOIDA	1066.7	1333.3	1358.5	1056.6	596.3	496.9
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE						
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOCIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	0.0	2933.3	452.8	3169.8	198.8	0.0
CHAETOGNATHS	8000.0	7466.7	1962.3	2452.8	8745.3	11130.4
TUNICATES						
DOLIOLIDS	266.7	1333.3	981.1	1018.9	397.5	993.4
LARVACEANS	16000.0	14666.7	1320.8	2415.1	1888.2	3577.6
SALPS						
FISH	800.0	816.7	188.7	84.9	99.4	503.1
FISH EGGS	533.3	0.0	0.0	37.7	99.4	99.4
HALOGATES MICANS	266.7	0.0	0.0	0.0	0.0	0.0
PLANT STEMS						
PLASTIC						
SARGASSUM	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
TAR	0.4	4.1	4.5	2.8	0.0	1.2
TERRESTRIAL INSECTS	541.7	266.7	47.2	150.9	304.3	12.4
WOOD						
MISCELLANEOUS DEBRIS			PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS			PRESENT			PRESENT
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1,000 CUBIC METERS	237340.	171749.	19641.	30811.	44627.	65410.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	266.7	256.7	37.7	37.7	99.4	99.4
ALIQOT SIZE	1/ 32.	1/ 32.	1/ 4.	1/ 4.	1/ 16.	1/ 16.

TABLE 1 CONT'D

NOVEMBER 1977: TRANSECT II: STATION:	2N2	2N3	301	302	3N1	3N2
TOTAL NO. PER 1,000 CUBIC METERS	237343.	171749.	19641.	30811.	44627.	65410.
TOTAL MOLLUSCA	21333.	9600.	1094.	4453.	4472.	3081.
TOTAL CRUSTACEA	198266.	133333.	12236.	15972.	27529.	44720.
TOTAL DECAPOD LARVAE	8533.	7467.	1283.	491.	1699.	3081.
TOTAL COPEPODA	28267.	17600.	7887.	12000.	2981.	4969.
TOTAL ADULT PONTELLID COPEPODS	14923.	6667.	5925.	6000.	795.	795.
TOTAL IMMATURE PONTELLID COPEPODS	1867.	1600.	189.	566.	398.	894.
TOTAL TUNICATES	16267.	16000.	2302.	3434.	2286.	4571.
TOTAL FISH	800.	817.	189.	85.	99.	503.
TOTAL FISH EGGS	533.	0.	0.	38.	99.	99.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.45	4.11	4.48	2.81	0.00	1.21

TABLE 1 CONT.'D

DECEMBER 1977: TRANSECT II: STATION:	103	104	103	104	203	204
FORAMINIFERA						
SIPHONOPHORES						
PHYSALIA	22.5	67.4	0.0	0.0	0.0	0.0
PORPITA						
VELLELA	0.0	0.0	0.0	0.0	64.5	0.0
SIPHONOPHORE PARTS		RARE	RARE	RARE	RARE	RARE
MEDUSAE	1618.0	898.9	3153.3	1985.4	129.0	129.0
CTENOPHORES	719.1	2516.9	0.0	0.0	0.0	0.0
NEMATODES						
POLYCHAETES						
ALCIOPIIDAE						
TOMOPTERIDAE						
TYPHLESCOLECIDAE						
OTHER	179.8	0.0	0.0	0.0	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	179.8	179.8	116.8	116.8	64.5	64.5
GASTROPOD MEROPLANKTERS	0.0	179.8	116.8	467.2	64.5	0.0
GLAUCLS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE						
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	179.8	0.0	116.8	0.0	64.5	258.1
CRESEIS VIRGULA	179.8	179.8	0.0	0.0	129.0	258.1
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	0.0	539.3	350.4	817.5	0.0	0.0
STYLIDIA SUBULA						
HYALOCYLIS STRIATA						
PERACILIS SPP.						
GYMNOSOMES						
OTHER	0.0	179.8	0.0	0.0	129.0	64.5
CRUSTACEA						
AMPHIPODA	0.0	0.0	116.8	116.8	0.0	0.0
HYPERIIDAE	6651.7	16719.1	13313.9	64700.7	709.7	258.1
PHRONIMIDS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIOS						
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS						
CARIDEAN SHRIMP	0.0	0.0	350.4	116.8	0.0	0.0
LUCIFER FAXONI	4314.6	2636.6	1051.1	1401.5	516.1	645.2
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	898.9	898.9	0.0	233.6	0.0	0.0
BRACHYURAN MEGALOPS	179.8	0.0	467.2	233.6	129.0	129.0
BRACHYURAN ZOEAS						

DECEMBER 1977:

TRANSECT II:

STATION:

(cont.)

TABLE 1 CONT.'D

	1D3	1D4	1N3	1N4	2D3	2D4
MACRURAN LARVAE						
SHRIMP LARVAE	0.0	539.3	467.2	1264.7	0.0	0.0
STOMATOPOD ALIMA LARVAE	0.0	0.0	0.0	0.0	0.0	64.5
EUPHAUSIID						
CUNACEA						
MYSIDACEA	0.0	0.0	467.2	1051.1	0.0	0.0
OSTRACODA	359.6	898.9	116.8	700.7	0.0	64.5
CLADOCERA	4494.4	7550.6	1167.9	2219.0	1096.8	1032.3
CYCLOPODA						
CALANOIDS						
CANDACIA CURTA MALE						
CANDACIA CURTA FEMALE						
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BISPINOSA MALE						
CANDACIA BISPINOSA FEMALE						
CANDACIA SPP.						
CENTROPAGES EURCATUS MALE	1252.4	2516.9	7474.4	15766.4	64.5	645.2
CENTROPAGES EURCATUS FEMALE	5573.0	4134.8	3992.7	14518.5	2903.2	2129.0
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE						
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE						
NANNOCALANUS MINOR						
PLEUROMANNA PISECKI FEMALE						
PLEUROMANNA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUROMANNA ABDOMINALIS IMMATURE						
PLEUROMANNA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TEMORA STYLIFERA	179.8	1438.2	467.2	1051.1	580.6	1161.3
TEMORA TURBINATA	25525.1	67235.9	3408.8	34802.9	3612.9	11741.9
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE						
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES	0.0	0.0	0.0	0.0	0.0	129.0
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES						
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES						
EUCALANUS PILEATUS MALES	2157.3	1258.4	116.9	29.2	322.6	387.1
EUCALANUS PILEATUS FEMALES	6112.4	4674.2	591.2	722.6	2000.0	3032.3
EUCALANUS PILEATUS IMMATURES	10786.5	14561.8	1636.1	2386.9	1161.3	1806.5
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE						
PONTELLIDS						
ANOMALOCERA ORNATA MALE	2337.1	10427.0	4571.5	11211.7	967.7	1032.3
ANOMALOCERA ORNATA FEMALE	1258.4	8909.0	3386.9	5459.1	387.1	516.1
ANOMALOCERA ORNATA IMMATURE	0.0	2516.9	237.5	583.9	64.5	0.0
CALANOPIA AMERICANA MALE	0.0	359.6	233.6	1167.9	0.0	0.0
CALANOPIA AMERICANA FEMALE	179.8	1078.7	1518.2	2802.9	64.5	129.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	1438.2	2337.1	1368.6	2919.7	64.5	0.0

TABLE 1 CONT.'D

DECEMBER 1977:

TRANSECT II:

STATION:	1D3	1D4	1N3	1N4	2D3	2D4
(cont.)						
LABIDOCERA FESTIVA FEMALE	3236.0	7910.1	1401.5	1868.6	0.0	0.0
LABIDOCERA SCOTTI MALE	4674.2	5752.9	2715.7	5956.2	258.1	322.5
LABIDOCERA SCOTTI FEMALE	2876.4	4674.2	1751.9	3153.3	451.6	774.2
LABIDOCERA IMMATURE	2696.6	5213.5	350.4	1518.2	645.2	645.2
PONTELLA MEADII MALE	0.0	0.0	0.0	0.0	0.0	64.5
PONTELLA MEADII FEMALE	0.0	0.0	0.0	233.6	0.0	0.0
PONTELLA MINOCERAMI						
PONTELLA SECURIFER MALE						
PONTELLA SECURIFER FEMALE						
PONTELLA ATLANTICA MALE						
PONTELLA ATLANTICA FEMALE						
PONTELLA SP. "A" MALE						
PONTELLA SP. "A" FEMALE						
PONTELLA IMMATURE						
PONTELLOPSIS VILLOSA MALE	1977.5	539.3	0.0	116.8	258.1	258.1
PONTELLOPSIS VILLOSA FEMALE	179.8	719.1	0.0	0.0	64.5	129.0
PONTELLOPSIS IMMATURE	1258.4	3236.0	0.0	116.8	0.0	193.5
PONTELLINA PLUMATA MALE						
PONTELLINA PLUMATA FEMALE						
PONTELLINA IMMATURE						
IMMATURE & UNIDENTIFIED CALANOID	1797.8	1977.5	1284.7	1167.9	193.5	516.1
CYCLOPOIDA	359.6	1078.7	583.9	467.2	387.1	387.1
COPILIA MIRABILIS MALE						
COPILIA MIRABILIS FEMALE	179.8	539.3	467.2	233.6	0.0	64.5
COPILIA QUADRATA MALE						
COPILIA QUADRATA FEMALE						
SAPPHIRINA STELLATA						
SAPPHIRINA NIGROMACULATA						
SAPPHIRINA METALLINA						
SAPPHIRINA SPP.						
HARPACTICOIDA						
CALIGOIDA						
COPEPOD NAUPLIUS						
ECHINODERM LARVAE	0.0	359.6	0.0	233.6	774.2	1612.9
CHAETOGNATHS	25168.5	12404.5	7124.1	11678.8	24928.7	23677.4
TUNICATES						
DOLIOLIDS	0.0	1078.7	0.0	0.0	6839.7	7032.3
LARVACEANS	719.1	719.1	350.4	116.8	4451.6	3419.4
SALPS						
FISH	179.8	179.8	0.0	0.0	129.0	129.0
FISH EGGS	179.8	179.8	350.4	350.4	1419.4	6903.2
HALOBATES MICANS	0.0	0.0	0.0	0.0	64.5	0.0
PLANT STEMS						
PLASTIC						
SARGASSUM	PRESENT	PRESENT		PRESENT	PRESENT	PRESENT
SARGASSUM FAUNA	PRESENT	PRESENT		PRESENT	PRESENT	PRESENT
TAR	6.3	6.8	0.9	1.1	0.0	4.2
TERRESTRIAL INSECTS	179.8	0.0	0.0	0.0	64.5	64.5
WOOD						
MISCELLANEOUS DEBRIS	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
COPEPOD EXOSKELETONS						
SHELL FRAGMENTS						
STRING						
FEATHERS						
SEA BEANS (PLANT SEEDS)						
TOTAL NO. PER 1.000 CUBIC METERS	122449.	201954.	77606.	196189.	56129.	71371.
CONCENTRATION EQUAL TO 1 INDIVIDUAL	179.8	179.8	116.8	116.8	64.5	64.5
ALIQUOT SIZE	1/ 16.	1/ 16.	1/ 16.	1/ 16.	1/ 8.	1/ 8.

TABLE 1 CONT.'D

DECEMBER 1977: TRANSFCT II: STATION:	103	104	1N3	1N4	203	204
TOTAL NO. PER 1,000 CUBIC METERS	122449.	201954.	77606.	196189.	56129.	71971.
TOTAL MOLLUSCA	539.	1258.	701.	1401.	452.	643.
TOTAL CRUSTACEA	92404.	180673.	64876.	179722.	16516.	27806.
TOTAL DECAPOD LARVAE	1079.	1438.	934.	1752.	129.	129.
TOTAL COPEPODA	75505.	151370.	47358.	107664.	14064.	25613.
TOTAL ADULT PONTELLID COPEPODS	13157.	42637.	17752.	34920.	2516.	3226.
TOTAL IMMATURE PONTELLID COPEPODS	3955.	10966.	584.	2219.	710.	839.
TOTAL TUNICATES	719.	1798.	350.	117.	11290.	10452.
TOTAL FISH	180.	180.	0.	0.	129.	129.
TOTAL FISH EGGS	180.	180.	350.	350.	1419.	6903.
TAR (GRAMS PER 1,000 CUBIC METERS)	6.29	6.93	0.93	1.05	0.00	4.19

TABLE 1 CONT.'D

DECEMBER 1977: TRANSECT II: STATION:	2N1	2N4	302	303	3N2	3N4
FORAMINIFERA	0.0	0.0	347.8	43.5	32.0	320.0
SIPHONOPHORES						
PHYSALIA	13.0	0.0	0.0	0.0	0.0	0.0
POPPITA						
VELLELA	40.0	0.0	0.0	0.0	0.0	64.0
SIPHONOPHORE PARTS	RARE	RARE	COMMON	COMMON	COMMON	
MEDUSAE	400.0	290.0	87.0	130.4	128.0	0.0
CTENOPHORES						
NEMATODES						
POLYCHAETES						
ALCIOPIDAE						
TOMOPTERIDAE						
TYPHLOSCOLECIDAE						
OTHER	0.0	0.0	0.0	43.5	0.0	0.0
UNIDENTIFIED WORM						
MOLLUSCA						
BIVALVE MEROPLANKTERS	360.0	960.0	43.5	0.0	64.0	32.0
GASTROPOD MEROPLANKTERS	80.0	40.0	43.5	0.0	64.0	32.0
GLAUCUS						
JANTHINA SHELLS						
JANTHINA BUBBLE RAFTS						
HETEROPODS						
ATLANTIDAE	80.0	230.0	0.0	0.0	0.0	0.0
PTEROTRACHEIDAE						
PTEROPODS						
CAVOLINIA GIBBOSA						
CAVOLINIA INFLEXA						
CAVOLINIA LONGIROSTRIS						
CAVOLINIA UNCINATA						
CRESEIS ACICULA	0.0	40.0	133.4	130.4	32.0	32.0
CRESEIS VIRGULA	160.0	0.0	217.4	173.9	445.0	384.0
DIACRIA QUADRIDENTATA						
LIMACINA BULIMOIDES						
LIMACINA INFLATA						
LIMACINA TROCHIFORMIS	1560.0	2480.0	595.7	87.0	1408.0	2432.0
STYLIOLA SUBULA						
HYALOCYLIS STRIATA						
PERACLIS SPP.						
GYMNOSOMES	0.0	0.0	0.0	43.5	0.0	12.0
OTHER	0.0	0.0	43.5	0.0	96.0	0.0
CRUSTACEA						
AMPHIPODA	0.0	40.0	0.0	0.0	104.0	0.0
HYPERIIDAE	2160.0	1890.0	43.5	87.0	1472.0	1568.0
PHRONIMIOS						
PHRONIMA COLLETTI						
BARNACLE NAUPLII						
BARNACLE CYPRIDS	0.0	0.0	87.0	0.0	0.0	0.0
DECAPODA						
BRACHYURAN CRABS						
PORTUNID CRABS	60.0	10.0	0.0	0.0	0.0	0.0
CARIDEAN SHRIMP	190.0	230.0	0.0	0.0	8.0	128.0
LUCIFER FAXONI	1560.0	2200.0	97.0	173.9	1088.0	1312.0
LUCIFER TYPUS						
LARVAE						
ANOMURAN CRAB LARVAE	40.0	0.0	0.0	0.0	0.0	0.0
BRACHYURAN MEGALOPS	240.0	30.0	0.0	0.0	4832.0	7936.0
BRACHYURAN ZOEAS	3680.0	6000.0	43.5	0.0	1024.0	1312.0

TABLE 1 CONT'D

DECEMBER 1977:

TRANSECT II:

STATION:	2N1	2N4	3D2	3D3	3N2	3N4
(cont.)						
MACRURAN LARVAE						
SHRIMP LARVAE	3600.0	4720.0	173.9	478.3	320.0	640.0
STOMATOPOD ALIMA LARVAE	240.0	160.0	0.0	0.0	0.0	0.0
EUPHAUSTIDS	0.0	0.0	87.0	0.0	0.0	0.0
CUMACEA						
MYSIDACEA	5560.0	1400.0	0.0	0.0	704.0	1215.0
OSTRACODA	80.0	240.0	43.5	43.5	64.0	298.0
CLADOCERA	4600.0	6360.0	43.5	0.0	752.0	512.0
COPEPODA						
CALANOTOS						
CANDACIA CURTA MALE	0.0	0.0	0.0	0.0	0.0	544.0
CANDACIA CURTA FEMALE	0.0	0.0	0.0	0.0	0.0	1952.0
CANDACIA PACHYDACTYLA MALE						
CANDACIA PACHYDACTYLA FEMALE						
CANDACIA BIPINNATA MALE						
CANDACIA BIPINNATA FEMALE						
CANDACIA SPP.	0.0	0.0	0.0	0.0	95.0	128.0
CENTROPAGES FURCATUS MALE	2040.0	2320.0	0.0	0.0	0.0	32.0
CENTROPAGES FURCATUS FEMALE	6320.0	7840.0	0.0	0.0	129.0	64.0
EUCHAETA MARINA MALE						
EUCHAETA MARINA FEMALE	0.0	0.0	0.0	0.0	32.0	0.0
EUCHAETA SPP.						
EUCHAETA SPP. IMMATURE	0.0	80.0	130.4	87.0	480.0	320.0
NANNICALANUS MINOR	0.0	0.0	0.0	0.0	192.0	352.0
PLEUROMANNA PISECKI FEMALE						
PLEUROMANNA GRACILIS FEMALE						
P. GRACILIS + PISECKI MALES						
PLEUROMANNA ABDOMINALIS IMMATURE						
PLEUROMANNA SPP. IMMATURE						
RHINCALANUS CORNUTUS						
RHINCALANUS UNIDENTIFIED						
TENORA STYLIFERA	760.0	880.0	0.0	0.0	32.0	32.0
TENORA TURBINATA	48600.0	83800.0	260.9	87.0	32.0	129.0
PARACANDACIA BISPINOSA MALE						
PARACANDACIA BISPINOSA FEMALE	0.0	0.0	0.0	0.0	32.0	32.0
UNDINULA VULGARIS MALE						
UNDINULA VULGARIS FEMALE						
UNDINULA VULGARIS IMMATURES	40.0	0.0	0.0	0.0	224.0	64.0
EUCALANUS ATTENUATUS MALE						
EUCALANUS ATTENUATUS FEMALE						
EUCALANUS ATTENUATUS IMMATURES	0.0	0.0	43.5	0.0	32.0	0.0
EUCALANUS ELONGATUS MALES						
EUCALANUS ELONGATUS FEMALES						
EUCALANUS ELONGATUS IMMATURES	720.0	680.0	0.0	0.0	0.0	0.0
EUCALANUS PILEATUS MALES	2640.0	2960.0	0.0	0.0	256.0	160.0
EUCALANUS PILEATUS FEMALES	4800.0	4280.0	0.0	0.0	288.0	449.0
EUCALANUS PILEATUS IMMATURES						
NEOCALANUS GRACILIS MALES						
NEOCALANUS GRACILIS FEMALES						
NEOCALANUS GRACILIS IMMATURES						
EUCALANUS SPP. MALE						
EUCALANUS SPP. FEMALE	0.0	0.0	217.4	0.0	0.0	0.0
PONTELLIDS	0.0	40.0	0.0	0.0	0.0	0.0
ANOMALOCERA ORNATA MALE	2120.0	1960.0	43.5	0.0	0.0	54.0
ANOMALOCERA ORNATA FEMALE	1240.0	760.0	0.0	0.0	0.0	0.0
ANOMALOCERA ORNATA IMMATURE	480.0	0.0	0.0	0.0	0.0	0.0
CALANOPIA AMERICANA MALE	1560.0	2000.0	0.0	0.0	288.0	0.0
CALANOPIA AMERICANA FEMALE	4520.0	4800.0	0.0	0.0	1152.0	0.0
LABIDOCERA ACUTIFRONS MALE						
LABIDOCERA ACUTIFRONS FEMALE						
LABIDOCERA AESTIVA MALE	2280.0	1200.0	0.0	0.0	0.0	0.0

TABLE 1 CONT'D

DECEMBER 1977: TRANSECT II: STATION:	2N1	2N4	302	303	3N2	3N4
TOTAL NO. PER 1,000 CUBIC METERS	119100.	160200.	52391.	40565.	26248.	37916.
TOTAL MOLLUSCA	2240.	3720.	1174.	435.	2112.	2944.
TOTAL CRUSTACEA	103850.	141200.	1435.	1000.	14320.	20512.
TOTAL DECAPOD LARVAE	7560.	10800.	217.	476.	6176.	9999.
TOTAL COPEPODA	81840.	117890.	826.	217.	4352.	5600.
TOTAL ADULT PONTELLID COPEPODS	13200.	12000.	87.	43.	1504.	96.
TOTAL IMMATURE PONTELLID COPEPODS	1920.	1720.	0.	0.	32.	32.
TOTAL TUNICATES	1960.	2920.	6826.	4435.	2624.	2496.
TOTAL FISH	160.	120.	130.	87.	1048.	670.
TOTAL FISH EGGS	5600.	6480.	1130.	609.	992.	1632.
TAR (GRAMS PER 1,000 CUBIC METERS)	0.00	2.55	0.78	1.74	5.06	16.02

TABLE 2

LISTING OF MOST ABUNDANT DECAPOD TAXA IN 1977 NEUSTON SAMPLES.
 ABUNDANCES ARE GIVEN AS NUMBERS PER 1000 m³ AND AS PERCENT OF TOTAL SAMPLE DECAPODS.

STATION	NO. OF DECAPOD TAXA	GROUP	FAMILY	SPECIES	#/1000 m ³	%
WINTER						
1/I/D	3	BRACHYURA	PORTUNIDAE	<i>Callinectes zoeas</i>	16	40%
		NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	16	40%
2/I/D	4	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	20,322	92%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	1,213	5%
3/I/D	10	BRACHYURA	PORTUNIDAE	Portunid megalopas	2,112	34%
		NATANTIA	SERGESTIDAE	Sergestid sp. A postlarvae	1,299	21%
		NATANTIA	SERGESTIDAE	<i>Lucifer zoeas</i>	1,137	18%
1/II/D	2	BRACHYURA	PORTUNIDAE	Portunid megalopas	653	50%
		ANOMURA	PAGURIDAE	Pagurid glaucothoe	653	50%
1/II/N	6	BRACHYURA	PORTUNIDAE	Portunid megalopas	1,785	50%
		NATANTIA	SERGESTIDAE	Sergestid sp. A postlarvae	510	14%
		NATANTIA	PASIPHAEIDAE	<i>Leptochela zoeas</i>	510	14%
2/II/D	12	BRACHYURA	PORTUNIDAE	<i>Callinectes zoeas</i>	3,991	68%
		NATANTIA	SERGESTIDAE	Sergestid sp. A postlarvae	455	8%
		NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	385	7%
2/II/N	9	NATANTIA	SERGESTIDAE	Sergestid sp. A postlarvae	716	19%
		NATANTIA	SERGESTIDAE	<i>Lucifer zoeas</i>	716	19%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	537	14%
		BRACHYURA	?	Sp. E megalopas	537	14%
3/II/D	5	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	246	40%
		BRACHYURA	?	Sp. E megalopas	205	33%
3/II/N	18	NATANTIA	PASIPHAEIDAE	<i>Leptochela zoeas</i>	11,461	47%
		BRACHYURA	?	Sp. E megalopas	4,989	21%
1/III/D	3	BRACHYURA	PORTUNIDAE	<i>Callinectes zoeas</i>	715	71%
		NATANTIA	SERGESTIDAE	<i>Lucifer zoeas</i>	143	14%
		BRACHYURA	XANTHIDAE	<i>Neopanope texana zoeas</i>	143	14%
2/III/D	3	BRACHYURA	PORTUNIDAE	<i>Callinectes zoeas</i>	158	71%
		NATANTIA	PASIPHAEIDAE	<i>Leptochela zoeas</i>	32	14%
		NATANTIA	SERGESTIDAE	Sergestid protozoeas	32	14%
3/III/D	4	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	200	46%
		NATANTIA	SERGESTIDAE	Sergestid sp. A postlarvae	120	27%
1/IV/D	0					
2/IV/D	4	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	11,142	92%
		BRACHYURA	PORTUNIDAE	<i>Callinectes zoeas</i>	518	4%
3/IV/D	5	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	141	38%
		BRACHYURA	PORTUNIDAE	<i>Portunus zoeas</i>	94	25%

TABLE 2 CONT.'D

STATION	NO. OF DECAPOD		GROUP	FAMILY	SPECIES	#/1000 m ³	%
	TAXA						
MARCH							
1/II/D	5		BRACHYURA	PORTUNIDAE	Portunid megalopas	960	67%
1/II/N	12		BRACHYURA	PORTUNIDAE	Portunid megalopas	26,540	71%
			BRACHYURA	PINNOOTHERIDAE	<i>Pinnixa</i> cf. <i>cylindrica</i> zoeas	3,872	10%
2/II/D	2		BRACHYURA	PORTUNIDAE	Portunid megalopas	208	57%
			BRACHYURA	PORTUNIDAE	<i>Portunus</i> zoeas	52	14%
			NATANTIA	HIPPOLYTIDAE	<i>Latreutes parvulus</i>	52	14%
			NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	52	14%
2/II/N	15		NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	9,972	66%
			BRACHYURA	PORTUNIDAE	<i>Portunus</i> zoeas	1,288	9%
			BRACHYURA	PORTUNIDAE	Portunid megalopas	964	7%
3/II/D	3		BRACHYURA	PORTUNIDAE	Portunid megalopas	3,924	65%
			NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	1,604	27%
3/II/N	15		NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	17,776	37%
			BRACHYURA	?	Sp. E megalopas	5,532	14%
			BRACHYURA	PORTUNIDAE	<i>Portunus</i> zoeas	4,740	12%
			BRACHYURA	PORTUNIDAE	Portunid megalopas	3,952	10%
APRIL							
1/II/D	13		BRACHYURA	PORTUNIDAE	<i>Callinectes</i> zoeas	6,048	66%
			NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	1,776	19%
1/II/N	21		BRACHYURA	PORTUNIDAE	<i>Callinectes</i> zoeas	2,934	50%
			NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	1,867	32%
			BRACHYURA	XANTHIDAE	<i>Neopanope texana</i> zoeas	191	3%
			BRACHYURA	PORTUNIDAE	<i>Portunus</i> zoeas	191	3%
2/II/D	4		BRACHYURA	PORTUNIDAE	<i>Callinectes</i> zoeas	5,938	69%
			NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	1,485	17%
			BRACHYURA	PORTUNIDAE	<i>Portunus</i> zoeas	1,028	12%
2/II/N	14		BRACHYURA	PORTUNIDAE	Portunid zoeas (<i>Callinectes</i> & <i>Portunus</i>)	76,743	63%
			NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	10,875	9%
			BRACHYURA	?	Sp. E megalopas	9,942	8%
3/II/D	5		NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	6,691	46%
			BRACHYURA	PORTUNIDAE	<i>Callinectes</i> zoeas	5,527	38%
			BRACHYURA	PORTUNIDAE	<i>Portunus</i> zoeas	1,164	8%
3/II/N	6		BRACHYURA	PORTUNIDAE	Portunid zoeas (<i>Callinectes</i> & <i>Portunus</i>)	68,830	76%
			NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	12,339	14%
			NATANTIA	PASIPHAEIDAE	<i>Leptocheila</i> postlarvae	5,398	6%

TABLE 2 CONT.'D

STATION	NO. OF DECAPOD TAXA	GROUP	FAMILY	SPECIES	#/1000 m ³	%
SPRING						
1/I/D	16	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	37,577	64%
		BRACHYURA	PINNOTHERIDAE	<i>Pinnixa sayana</i> zoeas	10,015	17%
		"	XANTHIDAE	<i>Hexapanopeus angustifrons</i> zoeas	4,729	8%
2/I/D	10	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	42,922	75%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	7,024	12%
		NATANTIA	PENAEIDAE	<i>Xiphopenaeus</i> zoeas	2,731	5%
3/I/D	8	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	194	63%
		BRACHYURA	PORTUNIDAE	<i>Callinectes</i> zoeas	78	25%
1/II/D	23	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	44,539	74%
		"	PENAEIDAE	<i>Trachypenaeus</i> zoeas	5,067	8%
		"	STENOPODIDAE	Stenopodid zoeas	1,600	3%
1/II/N	32	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	12,245	17%
		ANOMURA	PAGURIDAE	Pagurid zoeas	10,575	15%
		NATANTIA	SERGESTIDAE	Sergestid zoeas	6,458	10%
		BRACHYURA	PORTUNIDAE	<i>Portunus</i> zoeas	5,844	8%
		"	PINNOTHERIDAE	<i>Pinnixa sayana</i> zoeas	5,844	8%
2/II/D	12	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	10,401	64%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	3,200	20%
		"	"	<i>Portunus</i> zoeas	1,334	8%
2/II/N	25	NATANTIA	PENAEIDAE	<i>Xiphopenaeus</i> zoeas	39,386	26%
		"	SERGESTIDAE	<i>Lucifer faxoni</i>	25,847	17%
		BRACHYURA	XANTHIDAE	<i>Mentippe mercenaria</i> zoeas	12,308	8%
		"	?	Sp. I megalopas	11,693	8%
3/II/D	6	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	9,755	45%
		"	PENAEIDAE	<i>Trachypenaeus</i> zoeas	390	18%
		"	ALPHEIDAE	Alpheid zoeas	390	18%
3/II/N	9	BRACHYURA	PORTUNIDAE	Portunid megalopas	44,800	46%
		"	?	Sp. E megalopas	19,200	20%
		"	?	Sp. B "	12,000	12%
		NATANTIA	PASIPHAEIDAE	<i>Leptochela bermudensis</i>	8,000	8%
1/III/D	15	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	5,867	33%
		"	PENAEIDAE	<i>Penaeus</i> zoeas	2,845	16%
		"	"	<i>Xiphopenaeus</i> zoeas	2,134	12%
		BRACHYURA	PORTUNIDAE	<i>Callinectes</i> zoeas	1,778	10%
2/III/D	12	NATANTIA	PENAEIDAE	<i>Trachypenaeus</i> zoeas	7,061	42%
		"	ALPHEIDAE	Alpheid zoeas	3,766	22%
		BRACHYURA	PORTUNIDAE	<i>Portunus</i> zoeas	1,726	10%
		NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	1,569	9%
3/III/D	15	NATANTIA	PENAEIDAE	<i>Trachypenaeus</i> zoeas	1,270	32%
		"	ALPHEIDAE	Alpheid zoeas	762	19%
		BRACHYURA	PORTUNIDAE	<i>Callinectes</i> zoeas	445	11%
		NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	381	10%

(SPRING CONTINUED ON NEXT PAGE)

TABLE 2. CONT.'D

STATION	NO. OF DECAPOD		FAMILY	SPECIES	#/1000 m ³	%
	TAXA	GROUP				
SPRING CONTINUED						
1/IV/D	11	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	3,597	38%
		"	PENAEIDAE	<i>Trachypenaeus zoeas</i>	2,569	27%
		BRACHYURA	PORTUNIDAE	<i>Callinectes zoeas</i>	1,248	13%
		"	"	<i>Portunus zoeas</i>	1,101	12%
2/IV/D	3	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	366,096	99%
3/IV/D	6	BRACHYURA	PORTUNIDAE	<i>Portunus zoeas</i>	87	30%
		"	"	<i>Callinectes zoeas</i>	87	30%
JULY						
1/II/D	8	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	35,262	89%
		BRACHYURA	PORTUNIDAE	<i>Callinectes zoeas</i>	6,857	17%
		"	"	<i>Portunus zoeas</i>	4,571	12%
1/II/N	11	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	10,615	63%
		BRACHYURA	PORTUNIDAE	<i>Callinectes zoeas</i>	2,691	16%
		"	"	<i>Portunus zoeas</i>	2,093	12%
2/II/D	2	BRACHYURA	PORTUNIDAE	<i>Callinectes zoeas</i>	198	71%
2/II/N	16	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	6,399	56%
		"	ALPHEIDAE	<i>Alpheid zoeas</i>	1,317	11%
		"	PANDALIDAE	<i>Pandalid zoeas</i>	753	7%
3/II/D	6	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	500	79%
3/II/N	15	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	17,778	35%
		"	PASIPHAEIDAE	<i>Leptochela bermudensis</i>	11,761	23%
		BRACHYURA	PORTUNIDAE	<i>Portunid megalopas</i>	9,299	18%
"	"	"	<i>Portunus zoeas</i>	2,735	5%	
AUGUST						
1/II/D	6	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	4,074	95%
		BRACHYURA	PORTUNIDAE	<i>Portunid megalopas</i>	97	2%
1/II/N	19	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	47,311	52%
		BRACHYURA	PINNOTHERIDAE	<i>Pinnotherid sp. A</i>	18,924	21%
		"	PORTUNIDAE	<i>Portunus zoeas</i>	5,566	6%
2/II/D	4	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	172	50%
		BRACHYURA	PORTUNIDAE	<i>Callinectes sp. zoeas</i>	86	25%
2/II/N	14	BRACHYURA	PORTUNIDAE	<i>Callinectes zoeas</i>	26,799	61%
		NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	9,351	21%
3/II/D	4	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	1,706	80%
		BRACHYURA	PORTUNIDAE	<i>Portunid megalopas</i>	230	11%
		"	"	<i>Callinectes</i>	164	8%
3/II/N	13	BRACHYURA	PORTUNIDAE	<i>Portunid megalopas</i>	8,375	50%
		NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	5,250	32%
		"	PASIPHAEIDAE	<i>Leptochela bermudensis</i>	1,125	7%

TABLE 2 CONT.'D

STATION	NO. OF DECAPOD TAXA	GROUP	FAMILY	SPECIES	#/1000 m ³	%
FALL						
1/I/D	24	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	14,684	22%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	8,283	12%
		ANOMURA	PAGURIDAE	Pagurid zoeas	7,530	11%
2/I/D	5	BRACHYURA	PORTUNIDAE	Portunid megalopas	1,734	47%
		NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	1,583	43%
		BRACHYURA	PORTUNIDAE	<i>Portunus</i> zoeas	189	5%
3/I/D	10	BRACHYURA	PORTUNIDAE	Portunid megalopas	58,176	94%
		NATANTIA	ALPHEIDAE	Alpheid zoeas	646	1%
		BRACHYURA	PORTUNIDAE	<i>Callinectes</i> zoeas	485	1%
1/II/D	8	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	308	27%
		"	"	Sergestid protozoeas	257	23%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	205	18%
1/II/N	16	NATANTIA	SERGESTIDAE	Sergestid zoeas	12,040	52%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	3,962	17%
		"	?	Sp. E megalopas	2,286	10%
2/II/D	5	BRACHYURA	PORTUNIDAE	<i>Callinectes</i> zoeas	2,279	50%
		"	"	<i>Portunus</i> zoeas	140	21%
		NATANTIA	PENAEIDAE	<i>Sicyonia</i> zoeas	93	14%
2/II/N	22	BRACHYURA	PORTUNIDAE	<i>Callinectes</i> zoeas	7,425	33%
		"	"	Portunid megalopas	6,188	28%
		NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	2,723	12%
3/II/D	7	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	8,036	83%
		BRACHYURA	PORTUNIDAE	<i>Callinectes</i> zoeas	941	10%
		NATANTIA	PENAEIDAE	<i>Parapenaeus</i> zoeas	314	3%
		"	"	<i>Parapenaeus</i> protozoeas	274	3%
3/II/N	16	BRACHYURA	PORTUNIDAE	Portunid megalopas	14,987	48%
		"	"	<i>Callinectes</i> zoeas	8,003	26%
		NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	4,511	14%
1/III/D	7	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	1,793	84%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	125	6%
2/III/D	16	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	9,883	67%
		BRACHYURA	PORTUNIDAE	<i>Callinectes</i> zoeas	2,002	14%
		NATANTIA	PENAEIDAE	<i>Parapenaeus</i> protozoeas	1,363	9%
3/III/D	3	BRACHYURA	PORTUNIDAE	<i>Callinectes</i> zoeas	260	72%
		"	"	Portunid megalopas	52	14%
		NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	52	14%
1/IV/D	31	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	45,063	37%
		BRACHYURA	PINNOTHERIDAE	Pinnotherid sp. A zoeas	17,687	14%
		NATANTIA	SERGESTIDAE	Sergestid zoeas	15,380	13%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	13,842	11%

(FALL CONTINUED ON NEXT PAGE)

TABLE 2 CONT. 'D

STATION	NO. OF DECAPOD		FAMILY	SPECIES	#/1000 m ³	%
	TAXA	GROUP				
FALL						
2/IV/D	2	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	257	88%
3/IV/D	4	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	1,150	90%
		BRACHYURA	PORTUNIDAE	<i>Callinectes zoeas</i>	43	3%
		NATANTIA	SERGESTIDAE	Sergestid sp. A postlarvae	43	3%
		"	HIPPOLYTIDAE	<i>Latreutes parvulus</i>	43	3%
NOVEMBER						
1/II/D	7	NATANTIA	SERGESTIDAE	Sergestid zoeas	12,861	49%
		"	"	<i>Lucifer faxoni</i>	6,580	25%
		"	"	Sergestid protozoeas	2,692	10%
1/II/N	11	NATANTIA	SERGESTIDAE	Sergestid zoeas	27,720	71%
		"	"	<i>Lucifer faxoni</i>	4,032	10%
2/II/D	4	NATANTIA	STENOPODIDAE	Stenopodid zoeas	2,016	5%
		"	HIPPOLYTIDAE	<i>Latreutes fucorum</i>	336	59%
		"	"	<i>Latreutes parvulus</i>	159	28%
2/II/N	10	BRACHYURA	PORTUNIDAE	<i>Callinectes zoeas</i>	6,934	58%
		NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	3,600	30%
3/II/D	10	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	2,564	75%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	509	15%
3/II/N	13	BRACHYURA	PORTUNIDAE	Portunid megalopas	1,193	27%
		"	"	<i>Callinectes zoeas</i>	944	22%
		NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	746	17%
		BRACHYURA	?	Sp. B megalopas	596	14%
DECEMBER						
1/II/D	6	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	3,596	74%
		BRACHYURA	PORTUNIDAE	Portunid megalopas	899	19%
1/II/N	14	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	1,285	46%
		"	STENOPODIDAE	Stenopodid zoeas	526	19%
2/II/D	3	NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	581	82%
		BRACHYURA	PORTUNIDAE	<i>Callinectes zoeas</i>	97	14%
2/II/N	22	BRACHYURA	PORTUNIDAE	<i>Callinectes zoeas</i>	3,240	35%
		NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	1,560	17%
		"	"	Sergestid zoeas	1,280	14%
		"	"	Sergestid protozoeas	1,040	11%
3/II/D	4	NATANTIA	SERGESTIDAE	Sergestid protozoeas	218	45%
		"	"	<i>Lucifer faxoni</i>	131	27%
		"	"	Sergestid zoeas	109	23%
3/II/N	14	BRACHYURA	PORTUNIDAE	Portunid megalopas	4,448	61%
		NATANTIA	SERGESTIDAE	<i>Lucifer faxoni</i>	1,088	15%
		BRACHYURA	PORTUNIDAE	<i>Callinectes zoeas</i>	928	13%

TABLE 3

IDENTIFICATION AND CALCULATED NUMBERS OF ICHTHYOPLANKTON
OBTAINED FROM SAMPLE ALIQUOTS BY DATE, STATION, TRANSECT, AND TIME OF DAY

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
Winter		1	I	D	0	Gerreidae- <u>Eucinostomus</u> sp. Mugilidae- <u>Mugil cephalus</u>	10 2
Winter		2	I	D	1,959	Clupeidae- <u>Etrumeus teres</u> Gadidae- <u>Urophycis</u> sp. Mugilidae- <u>Mugil cephalus</u> Leptocephalus larvae	2 86 2 18
Winter		3	I	D	1,025	Bothidae- <u>Etropus crossotus</u> Carangidae- <u>Trachurus lathami</u> Clupeidae Clupeidae- <u>Etrumeus teres</u> Exocoetidae Gadidae- <u>Urophycis</u> sp. Gerreidae- <u>Eucinostomus</u> sp. Mugilidae- <u>Mugil cephalus</u> Leptocephalus larvae Unknowns	225 150 87 650 5 5 25 15 5 137
Winter		1	II	D	21	Clupeidae Clupeidae- <u>Brevoortia patronus</u> Gadidae- <u>Urophycis</u> sp. Gerreidae- <u>Eucinostomus</u> sp.	41 145 15 622
Winter		1	II	N	90	Bothidae- <u>Etropus crossotus</u> Bothidae- <u>Paralichthys</u> sp. Clupeidae- <u>Brevoortia</u> sp.	66 25 16

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
						Clupeidae- <u>Brevoortia patronus</u>	206
						Clupeidae- <u>Etrumeus teres</u>	16
						Gadidae- <u>Urophycis</u> sp.	8
						Gerreidae- <u>Eucinostomus</u> sp.	206
						Mugilidae- <u>Mugil cephalus</u>	20
						Sciaenidae- <u>Leiostomus xanthurus</u>	156
Winter		2	II	D	3,285	Gadidae- <u>Urophycis</u> sp.	16
						Sciaenidae	8
						Unknowns	84
Winter		2	II	N	954	Bothidae	52
						Bothidae- <u>Paralichthys</u> sp.	6
						Bregmacerotidae- <u>Bregmaceros atlanticus</u>	12
						Carangidae- <u>Trachurus latham</u>	35
						Clupeidae	98
						Clupeidae- <u>Brevoortia patronus</u>	52
						Clupeidae- <u>Etrumeus teres</u>	17
						Gadidae- <u>Urophycis</u> sp.	3
						Gerreidae- <u>Eucinostomus</u> sp.	46
						Gobiidae	29
						Mugilidae- <u>Mugil cephalus</u>	11
						Sciaenidae	23
						Sciaenidae- <u>Leiostomus xanthurus</u>	75
						Sciaenidae- <u>Micropogon undulatus</u>	17
						Stromateidae	17
						Triglidae- <u>Prionotus</u> sp.	6
						Unknowns	40
Winter		3	II	D	5,087	Bothidae	6
						Centriscidae- <u>Macrorhamphosus scolopax</u>	19

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
Winter		3	II	N	4,245	Gadidae- <u>Urophycis</u> sp.	159
						Mugilidae- <u>Mugil cephalus</u>	73
						Nomeidae- <u>Nomeus gronovii</u>	3
						Bothidae	74
						Bothidae- <u>Etropus crossotus</u>	133
						Bothidae- <u>Paralichthys</u> sp.	87
						Carangidae- <u>Trachurus lathami</u>	37
						Clupeidae- <u>Brevoortia patronus</u>	16
						Clupeidae- <u>Etrumeus teres</u>	1,368
						Exocoetidae	10
						Gadidae- <u>Urophycis</u> sp.	16
						Gerreidae- <u>Eucinostomus</u> sp.	528
						Gobiidae	16
						Mugilidae- <u>Mugil cephalus</u>	10
						Sciaenidae	216
						Sciaenidae- <u>Leiostomus xanthurus</u>	10
						Scorpaenidae- <u>Scorpaena</u> sp.	3
Stromateidae- <u>Peprilus</u> sp.	21						
Syngnathidae	3						
Synodontidae	5						
Triglidae- <u>Prionotus</u> sp.	10						
Unknowns	68						
Winter		1	III	D	83	Clupeidae	5
						Clupeidae- <u>Brevoortia patronus</u>	175
						Engraulidae- <u>Engraulis eurystole</u>	2
						Gadidae- <u>Urophycis</u> sp.	40
						Gerreidae- <u>Eucinostomus</u> sp.	263
						Mugilidae- <u>Mugil cephalus</u>	4

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
Winter		2	III	D	2,128	Gadidae- <u>Urophycis</u> sp. Mugilidae- <u>Mugil</u> sp. Mugilidae- <u>Mugil cephalus</u> Unknowns	7 2 11 4
Winter		3	III	D	1,269	Centriscidae- <u>Macrorhamphosus scolopax</u> Mugilidae- <u>Mugil cephalus</u> Unknowns	11 2 40
Winter		1	IV	D	114	Gadidae- <u>Urophycis</u> sp. Gerreidae- <u>Eucinostomus</u> sp. Mugilidae- <u>Mugil cephalus</u> Unknowns	25 22 3 5
Winter		2	IV	D	936	Clupeidae- <u>Brevoortia</u> sp. Gadidae- <u>Urophycis</u> sp. Gerreidae- <u>Eucinostomus</u> sp. Mugilidae- <u>Mugil</u> sp. Mugilidae- <u>Mugil cephalus</u> Nomeidae- <u>Nomeus gronovii</u> Leptocephalus larvae Unknowns	17 133 163 25 32 4 8 4
March	1	1	II	D	1,941	Clupeidae- <u>Etrumeus teres</u>	21
March	3	1	II	D	2,044	Engraulidae	21
March	2	1	II	N	1,084	Bothidae Bothidae- <u>Etropus crossotus</u> Bregmacerotidae- <u>Bregmaceros atlanticus</u>	20 79 18

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of ₃ Eggs/1000m ³	Larvae	Number of ₃ Larvae/1000m ³
						Gobiidae	20
						Sciaenidae	20
						Scombridae	9
						Unknowns	20
March	4	1	II	N	965	Bothidae- <u>Etropus crossotus</u>	39
						Gobiidae	20
						Gobiidae- <u>Gobiosoma</u> sp.	20
						Unknowns	20
March	1	2	II	D	37,284	Bregmacerotidae- <u>Bregmaceros atlanticus</u>	13
						Gadidae- <u>Urophycis</u> sp.	13
						Mullidae	30
March	4	2	II	D	41,469	Clupeidae	13
						Gadidae- <u>Urophycis</u> sp.	13
March	2	2	II	N	8,846	Antennariidae- <u>Histrio histrio</u>	10
						Clupeidae	23
						Clupeidae- <u>Etrumeus teres</u>	114
						Gadidae- <u>Urophycis</u> sp.	30
						Gerreidae- <u>Eucinostomus</u> sp.	23
						Stromateidae- <u>Peprilus</u> sp.	46
						Stromateidae- <u>Peprilus burti</u>	23
						Unknowns	46
March	4	2	II	N	8,137	Clupeidae	23
						Gadidae- <u>Urophycis</u> sp.	30
						Gerreidae- <u>Eucinostomus</u> sp.	23
						Gobiidae- <u>Gobionellus</u> sp.	23
						Triglidae- <u>Prionotus</u> sp.	23

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
March	2	3	II	D	559	Gadidae- <u>Urophycis</u> sp. Gerreidae- <u>Eucinostomus</u> sp. Mugilidae- <u>Mugil</u> sp. Mullidae	33 25 25 25
March	3	3	II	D	711	Carangidae- <u>Trachurus lathami</u> Gadidae- <u>Urophycis</u> sp. Mullidae	25 44 25
March	3	3	II	N	237	Bothidae- <u>Etropus crossotus</u> Carangidae- <u>Trachurus lathami</u> Clupeidae- <u>Etrumeus teres</u> Stromateidae- <u>Peprilus burti</u> Synodontidae Triglidae- <u>Prionotus</u> sp. Unknowns	37 53 4,888 12 26 12 448
March	4	3	II	N	290	Bothidae- <u>Etropus crossotus</u> Carangidae- <u>Trachurus lathami</u> Clupeidae- <u>Etrumeus teres</u> Sciaenidae Stromateidae Triglidae- <u>Prionotus</u> sp. Unknowns	12 26 3,540 26 53 79 342
April	2	1	II	D	5,398	Mugilidae- <u>Mugil curema</u> Mullidae Sciaenidae	134 24 1,691
April	3	1	II	D	4,618	Engraulidae- <u>Engraulis eurystole</u> Mugilidae- <u>Mugil curema</u>	65 24

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
						Mullidae	12
						Sciaenidae	1,691
April	1	1	II	N	3,009	Synodontidae	38
						Unknowns	152
April	3	1	II	N	5,105	Mugilidae- <u>Mugil curema</u>	9
						Unknowns	229
April	1	2	II	D	21,714	Scorpaenidae- <u>Scorpaena</u> sp.	14
April	4	2	II	D	23,829	Exocoetidae	57
						Syngnathidae- <u>Hippocampus erectus</u>	14
April	2	2	II	N	11,267	Clupeidae	166
						Clupeidae- <u>Etrumeus teres</u>	186
						Exocoetidae- <u>Hirundichthys rondeleti</u>	10
						Gobiidae	21
						Mullidae	10
						Sciaenidae	41
						Stromateidae- <u>Peprilus</u> sp.	62
						Synodontidae	21
						Triglidae- <u>Prionotus</u> sp.	21
April	3	2	II	N	10,874	Clupeidae	48
						Clupeidae- <u>Etrumeus teres</u>	72
						Exocoetidae- <u>Hirundichthys rondeleti</u>	10
						Gerreidae- <u>Eucinostomus</u> sp.	24
						Mugilidae- <u>Mugil curema</u>	10

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
						Mullidae	19
						Stromateidae- <u>Peprilus</u> sp.	48
						Synodontidae	48
						Unknowns	48
April	1	3	II	D	2,182	Mugilidae- <u>Mugil</u> sp.	291
						Mugilidae- <u>Mugil curema</u>	18
						Mullidae	436
						Triglidae- <u>Prionotus</u> sp.	145
April	2	3	II	D	6,836	Mullidae	145
						Sciaenidae	145
April	1	3	II	N	854	Carangidae- <u>Trachurus lathami</u>	27
						Exocoetidae- <u>Hirundichthys rondeletii</u>	27
						Gobiidae	27
						Polynemidae- <u>Polydactylus octonemus</u>	12
						Sciaenidae- <u>Cynoscion</u> sp.	55
						Stromateidae- <u>Peprilus burti</u>	83
						Synodontidae	138
April	4	3	II	N	4,021	Carangidae- <u>Trachurus lathami</u>	55
						Gobiidae	55
						Mugilidae- <u>Mugil curema</u>	24
						Polynemidae- <u>Polydactylus octonemus</u>	12
						Synodontidae	83
						Unknowns	83
Spring	2	1	I	D	2,031	Blenniidae	28
						Clupeidae	28

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
						Clupeidae- <u>Etrumeus teres</u>	56
						Exocoetidae- <u>Hirundichthys rondeleti</u>	9
						Gerreidae- <u>Eucinostomus sp.</u>	28
						Monacanthidae- <u>Monacanthus hispidus</u>	9
						Ophidiidae	56
						Unknowns	28
Spring	3	I	I	D	1,113	None	0
Spring	2	2	I	D	163,975	Carangidae- <u>Trachurus lathami</u>	26
						Exocoetidae	26
						Mullidae	571
						Synodontidae	26
						Tetraodontidae- <u>Sphoeroides sp.</u>	12
						Unknowns	26
Spring	3	2	I	D	132,645	Exocoetidae	52
						Mugilidae- <u>Mugil sp.</u>	26
						Mugilidae- <u>Mugil curema</u>	26
						Mullidae	883
						Tetraodontidae- <u>Sphoeroides sp.</u>	26
						Unknowns	52
Spring	1	3	I	D	14,563	Mugilidae- <u>Mugil curema</u>	78
						Mullidae	116
						Polynemidae- <u>Polydactylus octonemus</u>	10
						Unknowns	78
Spring	4	3	I	D	8,039	Exocoetidae	39
						Mugilidae- <u>Mugil sp.</u>	39
						Mullidae	194

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
Spring	1	1	II	D	133	Unknowns	67
Spring	3	1	II	D	615	Carangidae- <u>Trachurus lathami</u> Clupeidae- <u>Harengula jaguana</u> Engraulidae Exocoetidae- <u>Hirundichthys rondeletii</u> Unknowns	41 41 164 41 123
Spring	2	1	II	N	2,783	Carangidae- <u>Trachurus lathami</u> Clupeidae Clupeidae- <u>Opisthonema oglinum</u> Engraulidae Engraulidae- <u>Anchoa hepsetus</u> Exocoetidae- <u>Hirundichthys rondeletii</u> Mugilidae- <u>Mugil curema</u> Sciaenidae	128 21 43 706 43 9 18 642
Spring	4	1	II	N	3,061	Engraulidae Sciaenidae	278 556
Spring	1	2	II	D	2,933	Exocoetidae	267
Spring	4	2	II	D	2,333	Engraulidae	67
Spring	3	2	II	N	13,178	Bothidae Clupeidae Clupeidae- <u>Etrumeus teres</u> Clupeidae- <u>Harengula jaguana</u> Engraulidae Engraulidae- <u>Anchoa hepsetus</u> Unknowns	21 127 21 85 170 21 318

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
Spring	4	2	II	N	12,923	Engraulidae Mugilidae- <u>Mugil curema</u> Mullidae Unknowns	615 106 48 615
Spring	1	3	II	D	584	None	0
Spring	2	3	II	D	623	None	0
Spring	1	3	II	N	400	Engraulidae Exocoetidae- <u>Hirundichthys rondeleti</u> Synodontidae Triglidae- <u>Prionotus sp.</u> Unknowns	800 12 490 400 1,600
Spring	4	3	II	N	2,240	Bothidae- <u>Paralichthys sp.</u> Clupeidae Clupeidae- <u>Harengula jaguana</u> Clupeidae- <u>Opisthonema oglinum</u> Engaulidae Exocoetidae- <u>Hirundichthys rondeleti</u> Gobiidae Microdesmidae- <u>Microdesmus sp.</u> Ophidiidae Synodontidae Triglidae- <u>Prionotus sp.</u> Unknowns	240 107 587 12 213 65 133 187 27 320 400 880
Spring	1	1	III	D	4,622	Engraulidae	178
Spring	4	1	III	D	6,755	None	0

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
Spring	2	2	III	D	1,490	Bothidae Unknowns	78 78
Spring	4	2	III	D	2,510	Clupeidae- <u>Etrumeus teres</u>	157
Spring	1	3	III	D	698	Mullidae Unknowns	63 127
Spring	4	3	III	D	2,476	Unknowns	127
Spring	1	1	IV	D	14,679	Unknowns	294
Spring	2	1	IV	D	5,375	Clupeidae- <u>Etrumeus teres</u> Engraulidae- <u>Engraulis eurystole</u> Exocoetidae Unknowns	23 68 23 45
Spring	3	2	IV	D	9,634	Clupeidae Engraulidae Exocoetidae Mugilidae- <u>Mugil curema</u> Mullidae Tetraodontidae- <u>Sphoeroides</u> sp.	44 133 178 89 1,110 11
Spring	4	2	IV	D	3,774	Exocoetidae Mugilidae- <u>Mugil cephalus</u> Mugilidae- <u>Mugil curema</u> Mullidae Tetraodontidae- <u>Sphoeroides</u> sp. Unknowns	111 44 22 422 22 22

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
Spring	1	3	IV	D	1,217	Mullidae Polynemidae- <u>Polydactylus octonemus</u>	116 14
Spring	3	3	IV	D	1,743	Exocoetidae Mullidae Unknowns	112 112 56
July	2	1	II	D	47,673	Unknowns	326
July	4	1	II	D	35,265	Unknowns	653
July	1	1	II	N	42,617	Scombridae Synodontidae Unknowns	149 9,869 748
July	2	1	II	N	42,168	Clupeidae Gobiidae Unknowns	3,290 149 10,019
July	2	2	II	D	9,465	Mullidae	238
July	3	2	II	D	7,445	Mullidae Unknowns	198 40
July	1	2	II	N	6,400	Bothidae Clupeidae Gerreidae- <u>Eucinostomus sp.</u> Unknowns	188 5,459 188 188

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
July	2	2	II	N	2,823	Bothidae Clupeidae Exocoetidae- <u>Exocoetus obtusirostris</u> Exocoetidae- <u>Hirundichthys rondeletii</u> Unknowns	188 3,012 12 12 565
July	1	3	II	D	11,864	Hemiramphidae- <u>Hyporhamphus unifasciatus</u> Mullidae	11 2,465
July	2	3	II	D	13,227	Exocoetidae Mullidae Unknowns	45 2,056 102
July	1	3	II	N	9,299	Clupeidae Gerreidae- <u>Eucinostomus</u> sp.	2,461 273
July	3	3	II	N	4,103	Clupeidae Sciaenidae	2,188 547
August	2	1	II	D	1,592	None	0
August	4	1	II	D	194	Clupeidae- <u>Etrumeus teres</u> Mullidae	116 39
August	1	1	II	N	853	Carangidae- <u>Trachurus lathami</u> Clupeidae Clupeidae- <u>Etrumeus teres</u> Engraulidae Engraulidae- <u>Anchoa hepsetus</u> Microdesmidae- <u>Microdesmus</u> sp. Sciaenidae Scombridae Unknowns	260 1,855 427 5,101 18 37 241 37 1,521

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
August	1	2	II	D	5,204	Unknowns	172
August	3	2	II	D	2,839	Exocoetidae Unknowns	43 258
August	1	2	II	N	7,298	Clupeidae Clupeidae- <u>Harengula jaguana</u> Engraulidae- <u>Anchoa hepsetus</u> Exocoetidae Gobiidae Serranidae Synodontidae Unknowns	1,680 509 69 6 27 75 124 303
August	4	2	II	N	3,924	Bothidae Carangidae- <u>Trachurus lathamii</u> Clupeidae Clupeidae- <u>Harengula jaguana</u> Engraulidae Engraulidae- <u>Anchoa sp.</u> Engraulidae- <u>Anchoa hepsetus</u> Microdesmidae- <u>Microdesmus sp.</u> Scombridae Serranidae Synodontidae Unknowns	14 14 799 289 69 27 27 14 14 14 27 1,170
August	2	3	II	D	4,852	Unknowns	131
August	3	3	II	D	3,836	Unknowns	262

TABLE 3 CONT.'D

Sample Date	Net Partition	Sation	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
August	1	3	II	N	4,583	Bothidae Clupeidae Clupeidae- <u>Harengula jaguana</u> Engraulidae Exocoetidae Synodontidae Unknowns Leptocephalus larvae	21 21 21 42 8 21 812 8
August	3	3	II	N	4,521	Bothidae Clupeidae- <u>Harengula jaguana</u> Engraulidae Synodontidae Triglidae- <u>Prionotus sp.</u> Unknowns	42 62 21 42 83 792
Fall	3	1	I	D	201	Bothidae Carangidae- <u>Trachurus lathami</u> Clupeidae- <u>Harengula jaguana</u> Engraulidae Hemiramphidae- <u>Hyporhamphus unifasciatus</u> Sciaenidae Sciaenidae- <u>Menticirrhus sp.</u>	75 266 1,518 477 47 301 326
Fall	4	1	I	D	50	Bothidae Carangidae- <u>Trachurus lathami</u> Clupeidae Clupeidae- <u>Harengula jaguana</u> Engraulidae Hemiramphidae- <u>Hyporhamphus unifasciatus</u> Sciaenidae	25 176 527 75 979 60 201

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
						Sciaenidae- <u>Menticirrhus</u> sp.	176
						Unknowns	25
Fall	1	2	I	D	1,057	Unknowns	38
Fall	4	2	I	D	943	None	0
Fall	2	3	I	D	138	Balistidae	10
						Balistidae- <u>Canthidermis maculatus</u>	23
						Clupeidae	23
						Engraulidae	46
						Unknowns	69
Fall	3	3	I	D	23	Synodontidae	23
						Unknowns	23
						Leptocephalus larvae	23
Fall	1	1	II	D	718	Engraulidae- <u>Anchoa hepsetus</u>	34
Fall	2	1	II	D	376	Clupeidae	34
						Clupeidae- <u>Harengula jaguana</u>	34
						Engraulidae- <u>Anchoa</u> sp.	34
Fall	1	1	II	N	3,009	Clupeidae- <u>Harengula jaguana</u>	9
						Clupeidae- <u>Sardinella anchovia</u>	9
						Engraulidae	38
						Triglidae- <u>Prionotus</u> sp.	38
						Unknowns	114
Fall	2	1	II	N	3,467	Engraulidae- <u>Anchoa</u> sp.	76
						Gobiidae	38
						Unknowns	38

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
Fall	1	2	II	D	5,395	None	0
Fall	3	2	II	D	1,426	Bothidae- <u>Paralichthys</u> sp. Engraulidae Gobiidae Sciaenidae Unknowns	31 3,318 248 1,054 186
Fall	1	2	II	N	1,885	Bothidae Bothidae- <u>Paralichthys</u> sp. Carangidae- <u>Trachurus latham</u> Clupeidae Engraulidae Gobiidae Sciaenidae Synodontidae Unknowns	24 24 24 24 1,673 24 848 24 330
Fall	4	2	II	N	1,461	Bothidae Carangidae- <u>Trachurus latham</u> Clupeidae Engraulidae Exocoetidae- <u>Parexocoetus brachypterus</u> Sciaenidae Sciaenidae- <u>Menticirrhus</u> sp. Sciaenidae- <u>Micropogon undulatus</u> Unknowns Leptocephalus larvae	47 94 10 1,037 10 141 212 118 94 24
Fall	1	3	II	D	118	Bothidae	39
Fall	3	3	II	D	1,294	None	0

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
Fall	1	3	II	N	21	Bothidae Carangidae- <u>Trachurus lathami</u> Coryphaenidae- <u>Coryphaena hippurus</u> Engraulidae Engraulidae- <u>Anchoa hepsetus</u> Exocoetidae- <u>Parexocoetus brachypterus</u> Gerreidae- <u>Eucinostomus</u> sp. Gobiidae Hemiramphidae- <u>Euleptorhamphus velox</u> Triglidae- <u>Prionotus</u> sp. Unknowns Leptocephalus larvae	62 21 21 104 42 27 21 42 9 42 104 291
Fall	3	3	II	N	104	Bothidae Engraulidae- <u>Anchoa</u> sp. Exocoetidae- <u>Parexocoetus brachypterus</u> Gobiidae Scombridae Unknowns Leptocephalus larvae	21 104 54 62 83 229 187
Fall	1	1	III	D	83	None	0
Fall	4	1	III	D	208	None	0
Fall	1	2	III	D	128	Clupeidae- <u>Harengula jaguana</u> Gerreidae- <u>Eucinostomus</u> sp. Unknowns	298 128 42
Fall	3	2	III	D	128	Clupeidae- <u>Harengula jaguana</u> Engraulidae- <u>Anchoa</u> sp. Exocoetidae Exocoetidae- <u>Parexocoetus brachypterus</u> Gerreidae- <u>Eucinostomus</u> sp. Unknowns	638 42 42 21 42 85

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
Fall	1	3	III	D	364	None	0
Fall	1	1	IV	D	2,330	Carangidae- <u>Trachurus lathami</u> Clupeidae Clupeidae- <u>Brevoortia sp.</u> Clupeidae- <u>Sardinella anchovia</u> Engraulidae Engraulidae- <u>Anchoa sp.</u> Engraulidae- <u>Engraulis eurustole</u> Hemiramphidae- <u>Hyporhamphus unifasciatus</u> Sciaenidae Triglidae- <u>Prionotus sp.</u> Unknowns	242 154 22 38 132 44 10 32 527 44 154
Fall	3	1	IV	D	2,593	Carangidae- <u>Trachurus lathami</u> Clupeidae- <u>Harengula jaguana</u> Clupeidae- <u>Sardinella anchovia</u> Engraulidae Hemiramphidae- <u>Hyporhamphus unifasciatus</u> Sciaenidae Sciaenidae- <u>Menticirrhus sp.</u> Sciaenidae- <u>Micropogon undulatus</u>	418 66 77 308 10 132 747 110
Fall	1	2	IV	D	0	Exocoetidae	9
Fall	4	2	IV	D	147	Exocoetidae- <u>Parexocoetus brachypterus</u> Unknowns	73 73
Fall	1	3	IV	D	894	Unknowns	85
Fall	3	3	IV	D	213	Mugilidae- <u>Mugil cephalus</u>	42
November	2	1	II	D	598	None	0

TABLE 3 CONT'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of ₃ Eggs/1000m	Larvae	Number of ₃ Larvae/1000m
November	1	1	II	N	252	Sciaenidae- <u>Micropogon undulatus</u>	252
November	2	2	II	D	389	Carangidae- <u>Seriola dumerili</u> Mullidae	9 151
November	3	2	II	D	496	Mugilidae- <u>Mugil</u> sp. Mullidae	9 317
November	2	2	II	N	533	Bregmacerotidae- <u>Bregmaceros atlanticus</u> Unknowns	267 267
November	3	2	II	N	0	Bregmacerotidae- <u>Bregmaceros atlanticus</u> Carangidae Exocoetidae- <u>Parexocoetus brachypterus</u> Exocoetidae- <u>Prognichthys gibbifrons</u> Gobiidae	267 267 8 8 267
November	1	3	II	D	0	Mullidae Leptocephalus larvae	113 38
November	2	3	II	D	38	Mullidae Leptocephalus larvae	75 9
November	1	3	II	N	99	Unknowns	99
November	2	3	II	N	0	Bothidae Bregmacerotidae- <u>Bregmaceros atlanticus</u> Mugilidae- <u>Mugil curema</u>	99 397 6
December	3	1	II	D	282	Clupeidae Mugilidae- <u>Mugil cephalus</u> Mullidae	51 26 26

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
December	4	1	II	D	514	Clupeidae Syngnathidae- <u>Hippocampus erectus</u> Unknowns	26 26 51
December	1	1	II	N	117	None	0
December	3	1	II	N	100	Bothidae Stromateidae Unknowns	17 17 17
December	3	2	II	D	1,548	Gadidae- <u>Urophycis</u> sp. Mugilidae- <u>Mugil cephalus</u> Stromateidae Unknowns	21 21 21 43
December	4	2	II	D	7,484	Unknowns	43
December	1	2	II	N	5,520	Clupeidae Unknowns	40 80
December	4	2	II	N	6,320	Clupeidae Unknowns	40 40
December	2	3	II	D	1,043	Mugilidae- <u>Mugil cephalus</u> Unknowns	130 43
December	3	3	II	D	478	Mugilidae- <u>Mugil cephalus</u>	87
December	2	3	II	N	992	Exocoetidae Gobiidae Mugilidae- <u>Mugil cephalus</u>	32 96 752

TABLE 3 CONT.'D

Sample Date	Net Partition	Station	Transect	Day or Night	Number of Eggs/1000m ³	Larvae	Number of Larvae/1000m ³
						Unknowns	40
December	4	3	II	N	1,472	Exocoetidae	32
						Mugilidae- <u>Mugil cephalus</u>	776
						Triglidae- <u>Prionotus sp.</u>	32
						Unknowns	112

APPENDIX 0

MEIOFAUNA PROJECT

List of Tables

<u>Table</u>		<u>Page</u>
1	Counts of Meiofauna per Replicate Cores	0-2

TABLE 1

COUNTS OF METOFAUNA PER REPLICATE CORES - WINTER TRANSECT I

STATION NUMBER	1				2				3					
TAXA	<u>BBDV</u>	<u>BBDW</u>	<u>BBDX</u>	<u>BBDY</u>	<u>BBFU</u>	<u>BBFV</u>	<u>BBFW</u>	<u>BBFX</u>	<u>BBHS</u>	<u>BBHT</u>	<u>BBHU</u>	<u>BBHV</u>		
Nematoda	507	825	327	216	468	429	657	768	72	53	78	19		
Harpacticoida	70	49	14	12	9	28	24	32	1	1	2			
Kinorhyncha	18	19	5	1	1	13	4	9						
Ostracoda			3	1		1			1					2
Halacaridae		2												
Nauplii		1			1	3	6	5	1			2		
Turbellaria														
True Other														
True Meio. Total	595	896	349	230	479	474	691	814	75	54	82	21		
Mean True Meio.		563.3*				668.9*				63.1*				
Foraminifera	21	20	35	26	402	367	476	623	1		3			
Protozoa														
Polychaeta	12	14	6	6	14	21	55	46	2		3	1		
Bivalvia	1					2	1	3			1			
Gastropoda														
Peracarid Crust					1		3	1	1	1				
Temporary Others														
TOTAL	629	930	390	262	896	864	1226	1487	79	55	89	22		
MEAN TOTAL		601.7*				1217.3*				66.7*				

STATION NUMBER	4				5				6				TOTAL	MEAN
TAXA	<u>BCIJ</u>	<u>BCIK</u>	<u>BCIL</u>	<u>BCIM</u>	<u>BCJV</u>	<u>BCJW</u>	<u>BCJX</u>	<u>BCJY</u>	<u>BCLH</u>	<u>BCLI</u>	<u>BCLJ</u>	<u>BCLK</u>		
Nematoda	104	295	195	130	55	69	125	119	39	113	96	89	5848	265.2*
Harpacticoida	1	15	3	2	2				4	8	3	2	282	12.8*
Kinorhyncha		8		1					2	6	1		88	4.0*
Ostracoda					1				1				10	0.5*
Halacaridae					2					1			5	0.2*
Nauplii		7	2	2	1								31	1.4*
Turbellaria													0	0
True Other													0	0
True Meio. Total	105	325	200	135	61	69	125	119	46	128	100	91	(6264)	(284.1)*
Mean True Meio.		208.2*				101.8*				99.3*				
Foraminifera	11	33	28	11	27	14	6	43	6	3	12	14	2182	99.0*
Protozoa													0	0
Polychaeta	15	19	11	9	1	5	8	2	3	16	6	2	277	12.6*
Bivalvia		3											11	0.5*
Gastropoda													0	0
Peracarid Crust	1												8	0.4*
Temporary Others							1						1	0.1*
TOTAL	132	380	239	155	89	88	140	164	55	147	118	107	(8743)	(396.6)*
MEAN TOTAL		246.6*				130.9*				116.2*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - SPRING TRANSECT I

STATION NUMBER	1				2				3				TOTAL	MEAN
	BGVU	BGVV	BGVW	BGVX	BGXT	BGXU	BGXV	BGXW	BGZY	BGZZ	BHAA	BHAB		
Nematoda	21	98	8	11	26	16	53	21	16	39	16	37		
Harpacticoida	2	5	4	1	1		4		1	6	5	1		
Kinorhyncha	1	1												
Ostracoda				1	1				1	2				
Halacaridae		1	1			4	6	2	2					
Nauplii	1	1	1		3	2	1	1	1	5	3	4		
Turbellaria														
True Other														
True Meio. Total	25	106	14	13	31	22	64	24	21	52	24	42		
Mean True Meio.		43.0*				38.4*				37.8*				
Foraminifera	1	113	13	5	12	4	100	11	1	7	5	22		
Protozoa														
Polychaeta	2	9	4	5	2	1	2		2	6	4	7		
Bivalvia		1								1	1	5		
Gastropoda														
Peracarid Crust										1				
Temporary Others														
TOTAL	28	229	31	23	45	27	166	35	24	67	34	76		
MEAN TOTAL		84.6*				74.3*				54.7*				

STATION NUMBER	4				5				6				TOTAL	MEAN
	BBVU	BBVW	BBRX	BBYU	BHDU	BHDV	BHDW	BHDX	BHFS	BHFT	BHFU	BHFV		
Nematoda	651	228	424	263	61	17	28	29	2	3	6	2	2076	94.2*
Harpacticoida	4	4	3	1	1	1		3	1		1		49	2.2*
Kinorhyncha	7		5	1									15	0.7*
Ostracoda		1									1	1	8	0.4*
Halacaridae		1	1			1		2					21	1.0*
Nauplii	2		2				1	1	2			1	32	1.5*
Turbellaria													0	0
True Other													0	0
True Meio. Total	664	234	435	265	62	19	29	35	5	3	8	4	(2201)	(99.8)*
Mean True Meio.		434.9*				39.5*				5.4*				
Foraminifera	116	24	72	74	6	1		1	4	1			593	26.9*
Protozoa													0	0
Polychaeta	21	25	5	20	2							1	118	5.4*
Bivalvia	3	1	2	1					1	5		1	22	1.0*
Gastropoda	1										1		2	0.1*
Peracarid Crust													1	0.1*
Temporary Others													0	0
TOTAL	805	284	514	360	70	20	29	36	10	9	9	6	(2937)	(133.2)*
MEAN TOTAL		534.2*				42.2*				9.3*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - FALL TRANSECT I

STATION NUMBER	1				2				3					
TAXA	<u>BPAZ</u>	<u>BPBA</u>	<u>BPBB</u>	<u>BPBC</u>	<u>BPCY</u>	<u>BPCZ</u>	<u>BPDA</u>	<u>BPDB</u>	<u>BPEX</u>	<u>BPEY</u>	<u>BPEZ</u>	<u>BPFA</u>		
Nematoda	119	1037	533	506	103	105	25	37	4	35	7	7		
Harpacticoida	4	13	1	9	10	1				1		1		
Kinorhyncha	3	39	7	11	4									
Ostracoda					1									
Halacaridae					2				3					
Nauplii	2		1	4	4									
Turbellaria														
True Other														
True Meio. Total	128	1089	542	530	124	106	25	37	7	36	7	8		
Mean True Meio.		622.9*				79.5*				15.8*				
Foraminifera	23		8	198	47	36	3	5	3	4		2		
Protozoa														
Polychaeta		6	2	7	3	6		1		2		1		
Bivalvia				1						1				
Gastropoda														
Peracarid Crust														
Temporary Others														
TOTAL	151	1095	552	736	174	148	28	43	10	43	7	11		
MEAN TOTAL		689.6*				106.9*				19.3*				
STATION NUMBER	4				5				6					
TAXA	<u>BPGU</u>	<u>BPGV</u>	<u>BPGW</u>	<u>BPGX</u>	<u>BPIK</u>	<u>BPII</u>	<u>BPIM</u>	<u>BPIN</u>	<u>BPKA</u>	<u>BPKB</u>	<u>BPKC</u>	<u>BPKD</u>	TOTAL	MEAN
Nematoda	97	271	51	287	9	12	3	9	66	5	60	53	3441	156.1*
Harpacticoida	1		1						5		2	4	53	2.4*
Kinorhyncha	2	1				1			1				69	3.1*
Ostracoda													1	0.1*
Halacaridae	1				1	1							8	0.4*
Nauplii		2						1	1		2	1	18	0.8*
Turbellaria													0	0
True Other													0	0
True Meio. Total	101	274	52	287	10	14	3	10	73	5	64	58	(3590)	(162.8)*
Mean True Meio.		194.3*				10.1*				54.4*				
Foraminifera	89	147	13	184		3	3	3	5	4	13	68	861	39.1*
Protozoa													0	0
Polychaeta	6	3	7	9					1	1	2		57	2.6*
Bivalvia									2				4	0.2*
Gastropoda													0	0
Peracarid Crust													0	0
Temporary Others													0	0
TOTAL	196	424	72	480	10	17	6	13	81	10	79	126	(4512)	(204.7)
MEAN TOTAL		318.9*				12.5*				80.6*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - WINTER TRANSECT II

STATION NUMBER	1				2				3				TOTAL	MEAN
	BCMT	BCMU	BCMV	BCMW	BCOU	BCOV	BCOW	BCOX	BCOV	BCOW	BCOX	BCOY		
Nematoda	77	131	153	91	57	32	20	29	30	55	18	36		
Harpacticoida	10	7	3	1	3	2	4	3		8	3	2		
Kinorhyncha	2	1			1			1		1				
Ostracoda										3	1	1		
Halacaridae		1				1	2	3						
Nauplii	2								4	17	11	6		
Turbellaria	2													
True Other														
True Meio. Total	93	140	156	92	61	35	26	36	34	84	33	45		
Mean True Meio.		130.4*				43.0*				53.3*				
Foraminifera	33	68	58	16	14	5	3	8						2
Protozoa														
Polychaeta	7	3	2	3	1	1	4	1		1		2		
Bivalvia												2		
Gastropoda														
Peracarid Crust														
Temporary Others														
TOTAL	133	211	216	111	76	41	33	45	34	85	35	49		
MEAN TOTAL		182.1*				53.1*				55.2*				

STATION NUMBER	4				5				6				TOTAL	MEAN
	BCSW	BCSX	BCSY	BCSZ	BCUO	BCUP	BCUQ	BCUR	BCWG	BCWH	BCWI	BCWJ		
Nematoda	81	223	476	124	48	27	66	51	20	9	80	16	1950	88.5*
Harpacticoida	3	4	2		5	3	12	4	4	1	5		89	4.0*
Kinorhyncha		2	1	1									10	0.4*
Ostracoda		1					1					2	9	0.4*
Halacaridae													7	0.3*
Nauplii		1	5	1	4				4	1	4	4	64	2.9*
Turbellaria													2	0.1*
True Other										1			1	0.1*
True Meio. Total	84	231	484	126	57	30	79	55	28	12	89	22	(2132)	(96.7)*
Mean True Meio.		251.7*				60.1*				41.1*				
Foraminifera	22	48	116	2	7	1	10	9	13	1	4	5	445	20.2*
Protozoa													0	0
Polychaeta	11	3	6	1	2	1	6		2		4	1	62	2.8*
Bivalvia					1								3	0.1*
Gastropoda													0	0
Peracarid Crust													0	0
Temporary Others					1								1	0.1*
TOTAL	117	282	606	129	68	32	95	64	43	13	97	28	(2643)	(119.8)*
MEAN TOTAL		308.6*				70.5*				49.3*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - SPRING TRANSECT II

STATION NUMBER	1				2				3					
TAXA	BHHL	BBHM	BHBN	BHBO	BHKC	BHKD	BHKE	BHKF	BHMT	BHMU	BHMV	BHMW		
Nematoda	150	16	47	11	13	22	9	16	1	6	8	3		
Harpacticoida	17		12	1		3	4	1	1		2	1		
Kinorhyncha	14		6	1										
Ostracoda									1					
Halacaridae		2	1	1	1	3	1	1		1	2			
Nauplii	5	1	1				6	2	1	1	7	2		
Turbellaria														
True Other														
True Meio. Total	186	19	67	14	14	28	20	20	4	8	19	6		
Mean True Meio.		77.8*				22.3*				10.1*				
Foraminifera	85	3	51	3		1	10	28			8	101		
Protozoa														
Polychaeta	4	5	6					1						
Bivalvia						2			1	1				
Gastropoda														
Peracarid Crust														
Temporary Others														
TOTAL	275	27	124	17	14	31	30	49	5	9	27	107		
MEAN TOTAL		120.6*				33.7*				40.3*				

STATION NUMBER	4				5				6				TOTAL	MEAN
TAXA	BHPH	BHPI	BHPJ	BHPK	BHRL	BHRM	BHRN	BHRO	BHTP	BHTQ	BHTR	BHTS		
Nematoda	11	48	47	50	22	59	24	41	82	31	49	31	797	36.1*
Harpacticoida	1		2	2			1		2	2			52	2.4*
Kinorhyncha		1		2					1				25	1.1*
Ostracoda			4				1	1	1			1	9	0.4*
Halacaridae			1	1		5	2	3	1	1	5	2	34	1.6*
Nauplii				1		2		1	2		1		33	1.5*
Turbellaria													0	0
True Other													0	0
True Meio. Total	12	49	54	56	22	66	28	46	89	34	55	34	(950)	(43.1)*
Mean True Meio.		46.5*				44.1*				57.1*				
Foraminifera	5		3	6	12	59	2		4	13	20	7	421	19.1*
Protozoa													0	0
Polychaeta				5		2	3		1	1	1		29	1.3*
Bivalvia				1				1					6	0.3*
Gastropoda													0	0
Peracarid Crust										1			1	0.1*
Temporary Others													0	0
TOTAL	17	49	57	68	34	127	33	47	94	49	76	41	(1407)	(63.8)*
MEAN TOTAL		52.0*				65.6*				70.7*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - FALL TRANSECT II

STATION NUMBER	1				2				3				TOTAL	MEAN
	<u>BPOC</u>	<u>BPOD</u>	<u>BPOE</u>	<u>BPOF</u>	<u>BPSD</u>	<u>BPSE</u>	<u>BPSF</u>	<u>BPSG</u>	<u>BPUW</u>	<u>BPUX</u>	<u>BPUY</u>	<u>BPUZ</u>		
Nematoda	8	8	6	9	110	52	28	76	8	23	22	25		
Harpacticoida	2	1	1	2	2	4	2	3		1	1	5		
Kinorhyncha					1	2	2					2		
Ostracoda														
Halacaridae				4		1			1			1		
Nauplii		5		10	3		14		2	2	7	7		
Turbellaria														
True Other														
True Meio. Total	10	14	7	25	116	59	46	79	11	26	30	40		
Mean True Meio.		15.2*				81.6*				29.1*				
Foraminifera	7	9	9	12	69	3	10	2	1	3		4		
Protozoa														
Polychaeta	2				5	6		1	2		2	5		
Bivalvia														
Gastropoda					1	1								
Paracarid Crust										3	1			
Temporary Others														
TOTAL	19	23	16	37	191	69	56	82	14	32	33	49		
MEAN TOTAL		25.8*				108.3*				34.8*				

STATION NUMBER	4				5				6				TOTAL	MEAN
	<u>BPXC</u>	<u>BPXD</u>	<u>BPXE</u>	<u>BPXF</u>	<u>BPZB</u>	<u>BPZC</u>	<u>BPZD</u>	<u>BPZE</u>	<u>BOBA</u>	<u>BOBB</u>	<u>BOBC</u>	<u>BOBD</u>		
Nematoda	75	43	72	14	63	16	12	10	10	3	25	18	736	33.4*
Harpacticoida	3				1	7			4	1	5	4	49	2.2*
Kinorhyncha		1											8	0.4*
Ostracoda							1	1					2	0.1*
Halacaridae			4		6	1		3					21	0.9*
Nauplii			2	2	21		3	7	17			4	106	4.8*
Turbellaria													0	0
True Other													0	0
True Meio. Total	78	44	78	16	91	24	16	21	31	4	30	26	(922)	(41.8)*
Mean True Meio.		58.8*				41.4*				24.8*				
Foraminifera	3		17	2	62	2	4	4	2	1	4		230	10.4*
Protozoa													0	0
Polychaeta		2	1		5	1	3						35	1.6*
Bivalvia									1				1	0.1*
Gastropoda						1							3	0.1*
Paracarid Crust													4	0.2*
Temporary Others													0	0
TOTAL	81	46	96	18	158	28	23	25	34	5	34	26	(1195)	(54.2)*
MEAN TOTAL		65.6*				63.7*				26.9*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - MARCH TRANSECT II

STATION NUMBER	1				2				3				TOTAL	MEAN
	<u>BDOM</u>	<u>BDON</u>	<u>BDOO</u>	<u>BDOP</u>	<u>BDPC</u>	<u>BDPD</u>	<u>BDPE</u>	<u>BDFP</u>	<u>BDPS</u>	<u>BDPT</u>	<u>BDPU</u>	<u>BDPV</u>		
Nematoda	266	474	111	200	85	98	136	27	18	5	13	27		
Harpacticoida	36	18	2	10	4		4	2						
Kinorhyncha	11	3		1										
Ostracoda					1					1				
Halacaridae		1				1								
Nauplii	15	9		1										
Turbellaria														
True Other														
True Meio. Total	328	505	113	212	90	99	140	29	18	6	13	27		
Mean True Meio.		315.1*					97.4*			17.4*				
Foraminifera	9	55	9	112	3	1	18	23	8					2
Protozoa														
Polychaeta	8	2	2	3		2	10	1						
Bivalvia		1												
Gastropoda														
Peracarid Crust														
Temporary Others														
TOTAL	345	563	124	327	93	102	168	53	26	6	13	29		
MEAN TOTAL		369.8*					113.2*			20.1*				

STATION NUMBER	4				5				6				TOTAL	MEAN
	<u>BDQL</u>	<u>BDQM</u>	<u>BDQN</u>	<u>BDQO</u>	<u>BDQT</u>	<u>BDQU</u>	<u>BDQV</u>	<u>BDQW</u>	<u>BDRB</u>	<u>BDRC</u>	<u>BDRD</u>	<u>BDRF</u>		
Nematoda	45	260	152	168	39	51	30	72	17	26	10	28	2358	106.9*
Harpacticoida	3	14	2	11					1				107	4.8*
Kinorhyncha	2	6	1	2									26	1.2*
Ostracoda		2											4	0.2*
Halacaridae					1			2			1		6	0.3*
Nauplii		6	2	6									39	1.8*
Turbellaria													0	0
True Other													0	0
True Meio. Total	50	288	157	187	40	51	30	74	18	26	11	28	(2540)	(115.2)*
Mean True Meio.		185.6*					53.1*			22.6*				
Foraminifera	3	35	25	13	9		1	29					355	16.1*
Protozoa													0	0
Polychaeta	4	9	2	11		1	1	3					59	2.7*
Bivalvia		1											2	0.1*
Gastropoda													0	0
Peracarid Crust													0	0
Temporary Others													0	0
TOTAL	57	333	184	211	49	52	32	106	18	26	11	28	(2956)	(134.1)*
MEAN TOTAL		213.6*					65.0*			22.6*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - APRIL TRANSECT II

STATION NUMBER	1				2				3				TOTAL	MEAN
	BGKF	BGKG	BGKH	BGKI	BGKW	BGKY	BGKZ	BGLN	BGLO	BGLP	BGLQ			
Nematoda	428	398	86	28	44	45	88	11	8	2	9	12		
Harpacticoida	33	17	9	1	7		2	2	1	1				
Kinorhyncha	19	9	3											
Ostracoda												1	1	
Halacaridae	1				2									
Nauplii	26	11	33	11		10	4	2	9		2	1		
Turbellaria														
True Other														
True Meio. Total	507	435	131	40	53	55	94	15	18	3	12	14		
Mean True Meio.		302.9*				59.1*					12.8*			
Foraminifera	280	168	107	37	5	63		22	3	11	3	1		
Protozoa														
Polychaeta	19	5	7	2	4	1	3	1	1					
Bivalvia						1			1	1				
Gastropoda														
Peracarid Crust														
Temporary Others														
TOTAL	806	608	245	79	62	120	97	38	23	15	15	15		
MEAN TOTAL		473.0*				86.3*					18.5*			

STATION NUMBER	4				5				6				TOTAL	MEAN
	BGME	BGMF	BGMC	BGMH	BGMM	BGMO	BGMP	BGMU	BGMV	BGMW	BGMX			
Nematoda	23	33	19	18	2	36	6	9	63	74	56	166	1664	75.5*
Harpacticoida			1			4	2	6	2	8	7	23	126	5.7*
Kinorhyncha												2	33	1.5*
Ostracoda			1						1	1			5	0.2*
Halacaridae													3	0.1*
Nauplii	1	5	1		1		2	2	2	1		3	127	5.8*
Turbellaria										1			1	0.1*
True Other													0	0
True Meio. Total	24	38	22	18	3	40	10	17	68	85	63	194	(1959)	(88.9)*
Mean True Meio.		27.8*				19.0*				111.6*				
Foraminifera	3	9	5	22		2	1	11	10	4	2	32	801	36.3*
Protozoa													0	0
Polychaeta	4	1	2	2	1	3			6	1		6	69	3.1*
Bivalvia		1				1							5	0.2*
Gastropoda							1						1	0.1*
Peracarid Crust													0	0
Temporary Others													0	0
TOTAL	31	49	29	42	4	46	12	28	84	90	65	232	(2835)	(128.6)*
MEAN TOTAL		41.1*				24.5*				128.2*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - JULY TRANSECT II

STATION NUMBER	1				2				3				TOTAL	MEAN
	BLJT	BLJU	BLJV	BLJW	BLKK	BLKL	BLKM	BLKN	BLLB	BLLC	BLLD	BLLI		
TAXA														
Nematoda	229	73	120	80	50	14	26	18	20	32	21	23		
Harpacticoida	6	4	12	6	3	2	2	1		3	4	1		
Kinorhyncha		2	5	2										
Ostracoda														
Halacaridae														
Nauplii			3	2	2				2	1				
Turbellaria														
True Other														
True Meio. Total	235	79	140	90	55	16	28	19	22	36	25	24		
Mean True Meio.		148.0*				32.1*				29.1*				
Foraminifera	4	36	52	39	6	6	4	3	4		6	3		
Protozoa														
Polychaeta	14	8	2	3	4	2	1				3	1		
Bivalvia	2				1					3	1			
Gastropoda														
Peracarid Crust														
Temporary Others														
TOTAL	255	123	194	132	66	24	33	22	26	39	35	28		
MEAN TOTAL		191.6*				39.5*				34.8*				

STATION NUMBER	4				5				6				TOTAL	MEAN
	BLLS	BLLT	BLLU	BLLV	BLMA	BLMB	BLMC	BLMD	BLMI	BLMJ	BLMK	BLML		
TAXA														
Nematoda	1	6	7	6	29	43	41	51	49	63	68	64	1134	51.4*
Harpacticoida				2	1		1		2		1		51	2.3*
Kinorhyncha													9	0.4*
Ostracoda													0	0
Halacaridae	1		1				1		1	2	1	3	10	0.5*
Nauplii											2		12	0.5*
Turbellaria													0	0
True Other													0	0
True Meio. Total	2	6	8	8	30	43	43	51	52	65	72	67	(1216)	(55.1)*
Mean True Meio.		6.5*				45.4*				69.7*				
Foraminifera				2	2		5		1	4	2	4	183	8.3*
Protozoa													0	0
Polychaeta					1		4	1	1	2	5		52	2.4*
Bivalvia									3		1	5	16	0.7*
Gastropoda												1	1	0.1*
Peracarid Crust													0	0
Temporary Others													0	0
TOTAL	2	6	8	10	33	43	52	52	57	71	80	77	(1468)	(66.6)*
MEAN TOTAL		7.1*				49.0*				77.6*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT.'D
 COUNTS OF MEIOFAUNA PER REPLICATE CORES - AUGUST TRANSECT II

STATION NUMBER	1				2				3				TOTAL	MEAN
	BMVQ	BMVR	BMVS	BMVT	BMWH	BMWI	BMWJ	BMWK	BMWY	BMWZ	BMXA	BMXB		
Nematoda	330	336	219	389	67	76	85	114	12	14	14	8		
Harpacticoida	34	5	3	11	4	1	3	21	1	1	1	3		
Kinorhyncha	5		2	2	1									
Ostracoda									1					
Halacaridae	1			4					1			2		
Nauplii				6	3		1	1		1	1			
Turbellaria														
True Other														
True Meio. Total	370	341	224	412	75	77	89	136	15	16	16	13		
Mean True Meio.		366.6*					102.6*				16.3*			
Foraminifera	11	60	57	133	12	5	47	24		10				
Protozoa														
Polychaeta		4	1	2	7	8	21	9	1		5	1		
Bivalvia		1						1						
Gastropoda				1										
Peracarid Crust														
Temporary Others														
TOTAL	381	406	282	548	94	90	157	170	16	26	21	14		
MEAN TOTAL		440.1*					139.1*				21.0*			

STATION NUMBER	4				5				6				TOTAL	MEAN
	BMXP	BMXQ	BMXR	BMXS	BMXX	BMXY	BMXZ	BMYA*	BMYP	BMYG	BMYP	BMYP		
Nematoda	15	36	8	55	53	47	67	---	68	73	50	62	2198	104.0*
Harpacticoida	1		2	3	2	1	2	---	1	1	1	1	103	4.9*
Kinorhyncha								---		1			11	0.5*
Ostracoda								1	---			1	3	0.1*
Halacaridae								---	2	1	1		12	0.6*
Nauplii			1					---	2		1		17	0.8*
Turbellaria								---					0	0
True Other								---					0	0
True Meio. Total	16	36	11	58	55	48	70	---	73	76	53	64	(2344)	(110.9)*
Mean True Meio.		32.9*					62.8*				72.4*			
Foraminifera				6	5	4		---		3	1	3	381	18.0*
Protozoa								---					0	0
Polychaeta		4	5	14	2			---	3	1		3	91	4.3*
Bivalvia								---					2	0.1*
Gastropoda							1	---					2	0.1*
Peracarid Crust								---					0	0
Temporary Others								---					0	0
TOTAL	16	40	16	78	62	52	71	---	76	80	54	70	(2820)	(133.5)*
MEAN TOTAL		40.8*					66.4*				76.2*			

*Sample lost in shipment.

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - NOVEMBER TRANSECT II

STATION NUMBER	1				2				3			
	<u>BSSB</u>	<u>BSSC</u>	<u>BSSD</u>	<u>BSSE</u>	<u>BSSS</u>	<u>BSST</u>	<u>BSSU</u>	<u>BSSV</u>	<u>BSIJ</u>	<u>BSTK</u>	<u>BSTL</u>	<u>BSTM</u>
Nematoda	45	11	12	22	39	22	32	78	36	29	8	72
Harpacticoida	1			2			1	1	3			7
Kinorhyncha						1						1
Ostracoda												
Halacaridae												1
Nauplii			2	1		1					2	6
Turbellaria												
True Other												
True Meio. Total	46	11	14	25	39	24	33	79	39	29	10	87
Mean True Meio.		26.1*				47.6*				44.9*		
Foraminifera		5	10	5	41		9	17	20	4		9
Protozoa												
Polychaeta							4	3	1		1	4
Bivalvia												
Gastropoda												
Peracarid Crust												
Temporary Others												
TOTAL	46	16	24	30	80	24	46	99	60	33	11	100
MEAN TOTAL		31.6*				67.8*				55.5*		

STATION NUMBER	4				5				6				TOTAL	MEAN
	<u>BSUA</u>	<u>BSUB</u>	<u>BSUC</u>	<u>BSUD</u>	<u>BSUI</u>	<u>BSUJ</u>	<u>BSUK</u>	<u>BSUL</u>	<u>BSUQ</u>	<u>BSUR</u>	<u>BSUS</u>	<u>BSUT</u>		
Nematoda	32	6	105	329	6	7	4	9	24	13	29	8	978	44.4*
Harpacticoida	1		1			1					1		19	0.9*
Kinorhyncha			1										3	0.1*
Ostracoda													0	0
Halacaridae			1						2				4	0.2*
Nauplii	1					2					3		18	0.8*
Turbellaria													0	0
True Other													0	0
True Meio. Total	34	6	108	329	6	10	4	9	26	13	33	8	(1022)	(46.6)*
Mean True Meio.		129.8*				7.9*				21.8*				
Foraminifera			10	5		1		5	1	1	2	5	150	6.8*
Protozoa													0	0
Polychaeta	2			12	1	1			1	3	2	1	36	1.6*
Bivalvia				3									3	0.1*
Gastropoda													0	0
Peracarid Crust													0	0
Temporary Others				1									1	0.1*
TOTAL	36	6	118	350	7	12	4	14	28	17	37	14	(1212)	(55.0)*
MEAN TOTAL		138.8*				10.1*				26.1*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - DECEMBER TRANSECT II

STATION NUMBER	1				2				3				TOTAL	MEAN
	<u>BUFE</u>	<u>BUGG</u>	<u>BUHE</u>	<u>BUFI</u>	<u>BUWE</u>	<u>BUGX</u>	<u>BUYE</u>	<u>BUZE</u>	<u>BUFO</u>	<u>BUFP</u>	<u>BUFQ</u>	<u>BUFR</u>		
Nematoda	44	62	43	112	17	20	10	2	8	4	17	12		
Harpacticoida		1		2					1		1			
Kinorhyncha	1													
Ostracoda									1					
Halacaridae	1	1							1					
Nauplii				1			3		7		2	4		
Turbellaria														
True Other														
True Meio. Total	46	64	43	115	17	20	13	3	17	4	20	16		
Mean True Meio.		72.9*				14.4*				15.5*				
Foraminifera	4	5		20		1		1			5	3		
Protozoa														
Polychaeta	2	1	1	4	1	2					1	1		
Bivalvia						1								
Gastropoda														
Peracarid Crust														
Temporary Others														
TOTAL	52	70	44	139	18	24	13	4	17	4	26	20		
MEAN TOTAL		83.0*				16.1*				18.2*				

STATION NUMBER	4				5				6				TOTAL	MEAN
	<u>BUGF</u>	<u>BUGG</u>	<u>BUGH</u>	<u>BUGI</u>	<u>BUGN</u>	<u>BUGO</u>	<u>BUGP</u>	<u>BUGQ</u>	<u>BUGV</u>	<u>BUGW</u>	<u>BUGX</u>	<u>BUGY</u>		
Nematoda	37	52	120	33	46	20	18	10	8	14	2	50	761	34.5*
Harpacticoida				1	1					1			8	0.4*
Kinorhyncha	1			1	2								5	0.2*
Ostracoda					1								2	0.1*
Halacaridae						1	2				1		7	0.3*
Nauplii					4	3	1	1	9			5	40	1.8*
Turbellaria													0	0
True Other													0	0
True Meio. Total	38	52	120	35	54	20	22	13	9	24	3	55	(823)	(37.3)*
Mean True Meio.		66.7*				29.7*				24.8*				
Foraminifera	1			9	16		6	2	1			6	80	3.6*
Protozoa													0	0
Polychaeta	5	2	3		2			2			1		28	1.3*
Bivalvia					1					1			3	0.1*
Gastropoda													0	0
Peracarid Crust													0	0
Temporary Others													0	0
TOTAL	44	54	123	44	73	20	28	17	10	25	4	61	(934)	(42.4)*
MEAN TOTAL		72.1*				37.6*				27.2*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - WINTER TRANSECT III

STATION NUMBER	1				2				3				TOTAL	MEAN
	BBJQ	BBJR	BBJS	BBJT	BBLU	BBLV	BBLW	BBLX	BBNY	BBNZ	BBOA	BBOB		
Nematoda	109	250	55	79	20	19	11	21	19	49	12	123		
Harpacticoida	1	8	1	2	2	2	3	1	3	1		2		
Kinorhyncha		2												
Ostracoda														
Halacaridae									2	2	3	2		
Nauplii	1	6		1	1	2	1	1		1				
Turbellaria								1						
True Other														
True Meio. Total	111	266	56	82	23	23	15	24	24	53	15	127		
Mean True Meio.		140.2*				23.1*				59.6*				
Foraminifera	1	64	2	2	1					17	2	8		
Protozoa														
Polychaeta		1	1			1			3	4		3		
Bivalvia		1						1						
Gastropoda														
Peracarid Crust														
Temporary Others														
TOTAL	112	332	59	84	24	24	15	25	27	74	17	138		
MEAN TOTAL		159.7*				23.9*				69.7*				

STATION NUMBER	4				5				6				TOTAL	MEAN
	BBPO	BBPR	BBPS	BBPT	BBQZ	BBRA	BBRB	BBRC	BBSI	BBSJ	BBSK	BBSL		
Nematoda	1189	1314	1680	887	94	63	42	117	15	5	12	7	6192	280.9*
Harpacticoida	5	8	34	2	7	1	2	2	1	1			89	4.0*
Kinorhyncha	1												3	0.1*
Ostracoda			3			1							4	0.2*
Halacraidae				1									10	0.4*
Nauplii	2		3	1									20	0.9*
Turbellaria													1	0.1*
True Other													0	0
True Meio. Total	1197	1322	1720	891	101	65	44	119	16	6	12	7	(6319)	(286.6)*
Mean True Meio.		1396.1*				89.5*				11.2*				
Foraminifera	63	123	90	80	8	21	8	43	6	1	2		542	24.6*
Protozoa													0	0
Polychaeta	16	19	54	24	3	5		4		2			140	6.4*
Bivalvia	1	1	1	1							1		7	0.3*
Gastropoda													0	0
Peracarid Crust													0	0
Temporary Others													0	0
TOTAL	1277	1465	1865	996	112	91	52	166	22	9	15	7	(7008)	(317.9)*
MEAN TOTAL		1524.8*				114.6*				14.4*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - SPRING TRANSECT III

STATION NUMBER	1				2				3				TOTAL	MEAN
	BHVP	BHVQ	BHVR	BHVS	BHXP	BHXQ	BHXR	BHXS	BHZP	BHZQ	BHZR	BHZZ		
Nematoda	17	11	46	14	48	87	107	98	23	11	172	50		
Harpacticoida	2	2	2	3	1		1				9			
Kinorhyncha													1	
Ostracoda						2								
Halacaridae	1	1		4	1	1			3				1	
Nauplii		3	1	1								2		
Turbellaria										1				
True Other														
True Meio. Total	20	17	49	22	50	90	108	98	26	12	183	52		
Mean True Meio.		29.4*				94.2*				74.3*				
Foraminifera	1	1	15	51	4	4	7	14	1		23	14		
Protozoa														
Polychaeta		2	3	2		6	1				5	4		
Bivalvia														
Gastropoda								1						
Paracarid Crust														
Temporary Others			1											
TOTAL	21	20	68	75	54	100	116	113	27	12	211	70		
MEAN TOTAL		50.1*				104.2*				87.1*				

STATION NUMBER	4				5				6				TOTAL	MEAN
	BIBP	BIBQ	BIBR	BIBS	BIDH	BIDI	BIDJ	BIDK	BIEZ	BIFA	BIFB	BIFC		
Nematoda	702	1145	1069	698	5	1	8	18	6	20	22	15	4393	199.2*
Harpacticoida	23	60	27	20			1	2	1		3		157	7.1*
Kinorhyncha		1	1	1									4	0.2*
Ostracoda		3	1	1					1				8	0.4*
Halacaridae				1	1							1	15	0.7*
Nauplii		17	1	7						1	1		34	1.5*
Turbellaria													1	0.1*
True Other													0	0
True Meio. Total	725	1226	1099	728	6	1	9	20	8	21	26	16	(4612)	(209.2)*
Mean True Meio.		1028.2*				9.8*				22.0*				
Foraminifera	20	434	62	38	2	16	118		1		8	5	839	38.1*
Protozoa													0	0
Polychaeta	13	57	36	14	6			1		5		1	156	7.1*
Bivalvia	13	41	18	3									75	3.4*
Gastropoda													1	0.1*
Paracarid Crust													0	0
Temporary Others													1	0.1*
TOTAL	771	1758	1215	783	14	17	127	21	9	26	34	22	(5684)	(257.8)*
MEAN TOTAL		1232.0*				48.7*				24.8*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT.'D
 COUNTS OF MEIOFAUNA PER REPLICATE CORES - FALL TRANSECT III

STATION NUMBER	1				2				3			
	<u>BQDB</u>	<u>BQDC</u>	<u>BQDD</u>	<u>BQDE</u>	<u>BQFF</u>	<u>BQFG</u>	<u>BQFH</u>	<u>BQFI</u>	<u>BQHL</u>	<u>BQHM</u>	<u>BQHN</u>	<u>BQHO</u>
Nematoda	5	16	40	15	23	37	37	17	25	32	8	28
Harpacticoida	1		2	2								
Kinorhyncha												
Ostracoda							1					
Halacaridae			4									
Nauplii	1			9			1					
Turbellaria												
True Other												
True Meio. Total	7	16	46	26	23	37	39	17	25	32	8	28
Mean True Meio.		25.9*				31.6*				25.3*		
Foraminifera	17	1	31	5		3	3	1	1	1	3	
Protozoa												
Polychaeta	1		1		1	1		5		3	1	1
Bivalvia										1		
Gastropoda												
Peracarid Crust												
Temporary Others												
TOTAL	25	17	78	31	24	41	42	23	26	37	12	29
MEAN TOTAL		41.1*				35.4*				28.3*		

STATION NUMBER	4				5				6				TOTAL	MEAN
	<u>BQJN</u>	<u>BQJO</u>	<u>BQJP</u>	<u>BQJQ</u>	<u>BOLD</u>	<u>BOLE</u>	<u>BOLE</u>	<u>BOLG</u>	<u>BOMT</u>	<u>BOMU</u>	<u>BOMV</u>	<u>BOMW</u>		
Nematoda	1357	493	623	510	11	30	29	10	1	11	6	8	3372	152.9*
Harpacticoida	128	26	59	24			1	1					245	11.1*
Kinorhyncha	1			2									3	0.1*
Ostracoda	2			1						1			5	0.2*
Halacaridae						2							6	0.3*
Nauplii	77		19	12	2						1		122	5.5*
Turbellaria													0	0
True Other													0	0
True Meio. Total	1565	519	701	549	13	33	29	11	1	12	7	9	(3753)	(170.2)*
Mean True Meio.		907.3*				23.4*				7.9*				
Foraminifera	233	48	13	78	3	13	8		1	2			465	21.1*
Protozoa													0	0
Polychaeta	45	24	30	15		3	1		1	2			135	6.1*
Bivalvia	10	1	3	2									17	0.8*
Gastropoda	6	1											7	0.3*
Peracarid Crust													0	0
Temporary Others													0	0
TOTAL	1859	593	747	644	16	49	38	11	3	16	7	9	(4377)	(198.5)*
MEAN TOTAL		1045.8*				31.0*				9.5*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - WINTER TRANSECT IV

STATION NUMBER	1				2				3				4			
TAXA	BBTR	BBTS	BBTT	BBTU	BEWA	BBWB	BBWC	BEWD	BBYF	BBYG	BBYH	BBYI	BCAI	BCAJ	BCAK	BCAL
Nematoda	379	214	333	630	42	85	70	61	125	39	150	103	846	525	1120	1479
Harpacticoida	10	2	25	16	7	5	4	3	5	1	30	11	27	27	24	42
Kinorhyncha	7		2	4				1	1	1	6	4	4	1	5	
Ostracoda			1						1		3	2	4		1	3
Halacaridae											5			1	1	
Nauplii	2		8	6							7	1		1		2
Turbellaria																
True Other																
True Meio.Total	398	216	369	656	49	90	74	65	132	41	201	121	881	555	1151	1526
Mean True Meio.		418.8*				75.7*				134.7*				1119.3*		
Foraminifera	99	61	83	271	12	19	11	9	17	1	7	7	21	23	254	86
Protozoa																
Polychaeta	16	11	15	46		7	4	2	4	1	17	6	22	9	27	40
Bivalvia			2	3							1		4	3	4	6
Gastropoda																
Peracarid Crust			1						1			1	1			
Temporary Others																
TOTAL	513	288	470	976	61	116	89	76	154	43	226	135	929	590	1436	1658
MEAN TOTAL		611.5*				93.1*				151.9*				1255.4*		

STATION NUMBER	5				6				7				TOTAL	MEAN
TAXA	BCCD	BCCE	BCCF	BCCG	BCDY	BCDZ	BCEA	BCEB	BCFU	BCFV	BCFW	BCFX		
Nematoda	7	28	47	4	235	123	251	343	17	5	19	4	7284	283.2*
Harpacticoida	1	4	7			1	1	4	1	1			259	10.1*
Kinorhyncha	2					2		1		1		1	43	1.7*
Ostracoda			2										17	0.7*
Halacaridae													7	0.3*
Nauplii									2	1			30	1.2*
Turbellaria													0	0
True Other													0	0
True Meio. Total	10	32	56	4	235	126	252	348	20	8	19	5	(7640)	(297.0)*
Mean True Meio.		27.8*				261.5*				14.1*				
Foraminifera	2	8	38	6	81	46	62	180	5	2			1411	54.9*
Protozoa													0	0
Polychaeta	1		3	4	5	1	3	12					256	9.9*
Bivalvia						2		2					27	1.0*
Gastropoda													0	0
Peracarid Crust													4	0.2*
Temporary Others													0	0
TOTAL	13	40	97	14	321	175	317	542	25	10	19	5	(9338)	(363.0)*
MEAN TOTAL		44.6*				368.8*				16.1*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT. 'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - SPRING TRANSECT IV

STATION NUMBER	1				2				3				4			
TAXA	BIGP	BIGQ	BIGR	BIGS	BIIP	BIIQ	BIIR	BIIS	BIKS	BIKT	BIKU	BIKV	BIMQ	BIMR	BIMS	BIMT
Nematoda	400	335	617	1229	36	78	19	47	89	47	88	164	1539	1028	309	708
Harpacticoida	7	6	1	23	1	1	1	2	1	4	2	6	32	9	4	10
Kinorhyncha	5	1		8									1			
Ostracoda			2	2					1				1			1
Halacaridae	1		1	2		5		1	1	2		1	15	2		1
Nauplii			2		3	5	3	6		3		1	14	1		2
Turbellaria												2				
True Other																
True Meio.Total	413	342	623	1264	40	89	23	56	92	56	90	174	1602	1040	313	722
Mean True Meio.		719.0*				56.6*				112.1*				1000.7*		
Foraminifera	27	29	123	43	21	4	9	5	14	15	12	29	107	16	106	42
Protozoa																
Polychaeta	23	22	58	72	3	1		1	9	1	4	10	40	39	11	6
Bivalvia	6	1	9	6					3				35	20	4	7
Gastropoda																1
Peracarid Crust												1				1
Temporary Others																
TOTAL	469	394	813	1385	64	94	32	62	118	72	106	214	1784	1115	435	779
MEAN TOTAL		833.0*				68.6*				138.8*				1173.8*		

STATION NUMBER	5				6				7				TOTAL	MEAN
TAXA	BIOH	BIOI	BIOJ	BIOK	BIPV	BIPW	BIPX	BIPY	BIRM	BIRN	BIRO	BI RP		
Nematoda	237	463	130	524	135	52	176	148	75	11	12	56	8752	240.3*
Harpacticoida	3	13	1	4	1	2	1	2	1		2	4	144	5.6*
Kinorhyncha		4		1		1					1	1	23	0.9*
Ostracoda													7	0.3*
Halacaridae	2	3		3	2	2				1		2	47	1.8*
Nauplii		2		1	4		7		1				55	2.1*
Turbellaria													2	0.1*
True Other													0	0
True Meio.Total	242	485	131	533	142	57	184	150	77	12	15	63	(9030)	(351.1)*
Mean True Meio.		347.8*				145.1*				45.4*				
Foraminifera	41	204	11	219	9		9	9	14			3	1121	43.6*
Protozoa													0	0
Polychaeta	15	28	9	27	3	1	2	4	3		2	5	399	15.5*
Bivalvia	1	1			1		2						96	3.7*
Gastropoda													2	0.1*
Peracarid Crust													2	0.1*
Temporary Others													0	0
TOTAL	299	718	151	779	155	58	197	163	94	12	17	71	(10650)	(414.0)*
MEAN TOTAL		421.0*				155.9*				52.8*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - FALL TRANSECT IV

STATION NUMBER	1				2				3				4			
	<u>BQOJ</u>	<u>BQOK</u>	<u>BQOL</u>	<u>BQOM</u>	<u>BQON</u>	<u>BQOO</u>	<u>BQOP</u>	<u>BQOQ</u>	<u>BQOS</u>	<u>BQSR</u>	<u>BOSS</u>	<u>BOST</u>	<u>BOUT</u>	<u>BOUY</u>	<u>BOUW</u>	<u>BOUX</u>
Nematoda	209	690	498	783	52	44	64	17	16	27	10	6	327	771	174	189
Harpacticoida			2	6	3	1	1		1	1		3	6	6		2
Kinorhyncha																
Ostracoda	1		2											2		
Halacaridae	1					2		1					7	7		7
Nauplii		1		1		1								7		
Turbellaria																
True Other																
True Meio. Total	211	691	502	790	55	48	65	18	17	28	10	9	340	793	174	198
Mean True Meio.		597.1*					50.6*				17.4*			409.6*		
Foraminifera	6	286	36	208	10	4	40	4	1	2	1	8	23	222	69	60
Protozoa																
Polychaeta	4	15	24	46	3	4	3	2	3		6	1	4	16		4
Bivalvia			2										2			
Gastropoda																
Peracarid Crust																
Temporary Others																
TOTAL	221	992	564	1044	68	56	108	24	21	30	17	18	369	1031	243	262
MEAN TOTAL		767.7*					69.7*				23.4*			518.4*		

STATION NUMBER	5				6				7				TOTAL	MEAN
	<u>BQWK</u>	<u>BQWL</u>	<u>BQWM</u>	<u>BQWN</u>	<u>BOYA</u>	<u>BOYB</u>	<u>BOYC</u>	<u>BOYD</u>	<u>BQZO</u>	<u>BQZR</u>	<u>BQZS</u>	<u>BQZT</u>		
Nematoda	46	23	40	10	24	83	30	54	28	110	25	139	4489	174.5*
Harpacticoida			2		3				1	4	3	11	56	2.2*
Kinorhyncha					2	1						2	5	0.2*
Ostracoda		1										1	7	0.3*
Halacaridae								1	1				27	1.0*
Nauplii						1	1					2	14	0.5*
Turbellaria													0	0
True Other													0	0
True Meio. Total	46	24	42	10	29	85	31	55	30	114	28	155	(4598)	(178.8)*
Mean True Meio.		33.2*					54.4*				89.0*			
Foraminifera	21	1	2		7	32	2	14	16	24	33	41	1173	45.6*
Protozoa													0	0
Polychaeta	3	2	4	1	1	4	2	2	1	2	2	4	163	6.3*
Bivalvia				1								1	6	0.3*
Gastropoda													0	0
Peracarid Crust													0	0
Temporary Others													0	0
TOTAL	70	27	48	12	37	121	35	71	47	140	63	201	(5940)	(230.9)*
MEAN TOTAL		42.7*					71.8*				122.7*			

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - WINTER HOSPITAL ROCK AND SOUTHERN BANK

STATION NUMBER	HR2				HR4				TOTAL	MEAN
	TAXA	BDAE	BDAF	BDAG	BDAH	BDBH	BDBI	BDBJ		
Nematoda	79	41	68	46	182	138	79	208	841	114.4*
Harpacticoida			4	5	28	16	13	17	83	11.3*
Kinorhyncha			1		3	5			9	1.2*
Ostracoda			1	1	7	1	1	1	12	1.6*
Halacaridae									0	0
Nauplii	2	3	2	3	15	5	3	2	35	4.8*
Turbellaria									0	0
True Other									0	0
True Meio. Total	81	44	76	55	235	165	96	228	(980)	(133.4)*
Mean True Meio.			69.7*				197.0*			
Foraminifera		7	5	8	231	119	183	122	675	91.8*
Protozoa									0	0
Polychaeta	7	4	4	2	18	9	12	3	59	8.0*
Bivalvia				1	1		1		3	0.4*
Gastropoda									0	0
Peracarid Crust						1			1	0.1*
Temporary Others		1			2	1	1	1	6	0.8*
TOTAL	88	56	85	66	487	295	293	354	(1724)	(234.6)*
MEAN TOTAL			80.3*				388.9*			

STATION NUMBER	SB2				SB4				TOTAL	MEAN
	TAXA	BCYX	BCYZ	BCYA	BCYB	BCZB	BCZC	BCZD		
Nematoda	47	16	15	6	98	26	58	60	326	44.4*
Harpacticoida	8	2			22	1	22		55	7.5*
Kinorhyncha	1							1	2	0.3*
Ostracoda									0	0
Halacaridae						2			2	0.3*
Nauplii		4		1	18	1		1	25	3.4*
Turbellaria									0	0
True Other									0	0
True Meio. Total	56	22	15	7	138	30	80	62	(410)	(55.8)*
Mean True Meio.			27.2*				84.4*			
Foraminifera	16	12	10	3	16				57	7.8*
Protozoa									0	0
Polychaeta	4		2		9	1	1		17	2.3*
Bivalvia									0	0
Gastropoda									0	0
Peracarid Crust									0	0
Temporary Others									0	0
TOTAL	76	34	27	10	163	31	81	62	(484)	(65.9)*
MEAN TOTAL			40.6*				91.7*			

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT. 'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - SPRING HOSPITAL ROCK AND SOUTHERN BANK

STATION NUMBER	HR2				HR4				TOTAL	MEAN
	<u>BIVJ</u>	<u>BIVK</u>	<u>BIVL</u>	<u>BIVM</u>	<u>BIWM</u>	<u>BIWN</u>	<u>BIWO</u>	<u>BIWP</u>		
Nematoda	74	57	45	96	158	145	28	21	624	84.9*
Harpacticoida	4			1	11	8	5		29	3.9*
Kinorhyncha					1	1			2	0.3*
Ostracoda									0	0
Halacaridae		2	1		6	8	7	3	27	3.7*
Nauplii	2	2				2	1		7	0.9*
Turbellaria									0	0
True Other									0	0
True Meio. Total	80	61	46	97	176	164	41	24	(689)	(93.7)*
Mean True Meio.		77.3*				110.2*				
Foraminifera	16	17	5	15	144	28	13		238	32.4*
Protozoa									0	0
Polychaeta	2	1	2	6		1	4	5	21	2.9*
Bivalvia									0	0
Gastropoda									0	0
Paracarid Crust					1				1	0.1*
Temporary Others					1				1	0.1*
TOTAL	98	79	53	118	322	193	58	29	(950)	(129.3)*
MEAN TOTAL		94.7*				163.8*				

STATION NUMBER	SB2				SB4				TOTAL	MEAN
	<u>BIUD</u>	<u>BITE</u>	<u>BIUF</u>	<u>BITG</u>	<u>BIUG</u>	<u>BIUH</u>	<u>BIUI</u>	<u>BIUJ</u>		
Nematoda	27	10	23	38	129	90	26	14	357	48.6*
Harpacticoida		4	3	5	11	8	1	3	35	4.8*
Kinorhyncha					8	2			10	1.4*
Ostracoda					1				1	0.1*
Halacaridae	2	4	6			3	1	3	19	2.6*
Nauplii				1	2		1		4	0.5*
Turbellaria									0	0
True Other									0	0
True Meio. Total	29	18	32	44	151	103	29	20	(426)	(58.0)*
Mean True Meio.		33.5*				82.5*				
Foraminifera	11		5	5	48	22	8	15	114	15.5*
Protozoa									0	0
Polychaeta	1				8	5	1	1	16	2.2*
Bivalvia									0	0
Gastropoda									0	0
Paracarid Crust					1				1	0.1*
Temporary Others									0	0
TOTAL	41	18	37	49	208	130	38	36	(557)	(75.8)*
MEAN TOTAL		39.5*				112.1*				

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

TABLE 1 CONT.'D

COUNTS OF MEIOFAUNA PER REPLICATE CORES - FALL HOSPITAL ROCK AND SOUTHERN BANK

STATION NUMBER	HR2				HR4				TOTAL	MEAN
	TAXA	BPLQ	BPLR	BPLS	BPLT	BPMT	BPMU	BPMV		
Nematoda	29	32	73	74	10	10	13	10	251	34.2*
Harpacticoida	3	2		3	1	2	1	1	13	1.8*
Kinorhyncha									0	0
Ostracoda									0	0
Halacaridae	4				6				10	1.4*
Nauplii	23	2	3	7	14	24		13	86	11.7*
Turbellaria									0	0
True Other									0	0
True Meio. Total	59	36	76	84	31	36	14	24	(360)	(49.0)*
Mean True Meio.			69.4*				28.6*			
Foraminifera	4	2	1	9	17	30		2	65	8.8*
Protozoa									0	0
Polychaeta	2	1	2	1			1		7	1.0*
Bivalvia	1								1	0.1*
Gastropoda									0	0
Peracarid Crust									0	0
Temporary Others									0	0
TOTAL	66	39	79	94	48	66	15	26	(433)	(58.9)*
MEAN TOTAL			75.7*				42.2*			

STATION NUMBER	SB2				SB4				TOTAL	MEAN
	TAXA	BPNW	BPNX	BPNY	BPNZ	BPOZ	BPPA	BPPB		
Nematoda	20	23	25	39	2	1	1	22	133	18.1*
Harpacticoida				1	2	1			4	0.5*
Kinorhyncha								1	1	0.1*
Ostracoda									0	0
Halacaridae				18				3	21	2.9*
Nauplii	5	23	28		8	1	3	14	82	11.2*
Turbellaria									0	0
True Other									0	0
True Meio. Total	25	46	72	41	10	3	4	40	(241)	(32.8)*
Mean True Meio.			50.1*				15.5*			
Foraminifera	6	2	3			2	1	10	24	3.3*
Protozoa									0	0
Polychaeta			1	1		1		1	4	0.5*
Bivalvia			1						1	0.1*
Gastropoda									0	0
Peracarid Crust								1	1	0.1*
Temporary Others									0	0
TOTAL	31	50	76	41	10	6	6	51	(271)	(36.9)*
MEAN TOTAL			53.9*				19.9*			

*Numbers are averages of individuals from replicate samples adjusted to 10 cm².

APPENDIX P

BENTHIC INVERTEBRATES: MACROINFAUNA AND EPIFAUNA

List of Tables

<u>Table</u>		<u>Page</u>
1	List of Macroinfaunal Species and Their Abundances for Each Replicate Grab. Species are Ranked by Abundance.	P-2
2	List of Invertebrate Epifaunal Species and Their Abundances for Each Trawl Collection. Species are Ranked by Abundance.	P-145

TABLE 1

LIST OF MACROINFAUNAL SPECIES AND THEIR ABUNDANCES
FOR EACH REPLICATE GRAB.
SPECIES ARE RANKED BY ABUNDANCE

Explanation of Table:

First Column of Numbers denotes rank (species ranked by total abundance in all six replicates)

Third through Eighth Column denotes replicate grab numbers (1 through six) and number of individuals per replicate

TOTAL ABUNDANCE - total number of individuals in all six replicates

TOTAL OCCURRENCE - total number of replicates in which the species occurred

PERCENT - the total abundance of a species divided by the total abundance of all species expressed as percent

ACC PCT - Accumulative Percent

STD - Standard Deviation

95 PCT CONF LIM - 95 Percent Confidence Limits

DIVERSITY - Shannon-Wiener diversity index

PIE - Hurlbert's Probability of Interspecific Encounter

EQUITABILITY - Lloyd and Ghelardi's measure of evenness

STATION 1 TRANSECT 1 PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL					95 PCT		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF LIM	
1 MAGELONA PHYLLISAE	32		46	36	17	44	175	5	22.18	22.18	29.17	17.646	10.65	47.69
2 PARAPRIONOSPIO PINNATA	31	34	26	8	11	34	144	6	18.25	40.43	24.00	11.645	11.78	36.22
3 SIPUNCULA	5	7	14	4	15	5	50	6	6.34	46.77	8.33	4.885	3.21	13.46
4 MAGELONA LONGICORNIS		42		1		1	44	3	5.58	52.34	7.33	16.990	-10.50	25.17
5 VITRINELLA FLORIDANA	2	33	3	3			41	4	5.20	57.54	6.83	12.891	-6.70	20.36
6 MEDIOMASTUS CALIFORNIENSIS	3	11	10	3	7	6	40	6	5.07	62.61	6.67	3.386	3.11	10.22
7 PHOTIS MACROMANUS	4	9	26		1		40	4	5.07	67.68	6.67	10.073	-3.91	17.24
8 COSSURA DELTA	3	9	6	5	4	7	34	6	4.31	71.99	5.67	2.160	3.40	7.93
9 NEPHYS INCISA	7	3	5	3	3	2	23	6	2.92	74.90	3.83	1.835	1.91	5.76
10 ASYCHIS SP		5	4	6	3	4	22	5	2.79	77.69	3.67	2.066	1.50	5.83
11 NATICA CANRENA	4	7	3	3	1	2	20	6	2.53	80.23	3.33	2.066	1.17	5.50
12 NEMERTINEA	1	2	3	8	3	1	18	6	2.28	82.51	3.00	2.600	.26	5.74
13 LUMBINERIS PARVAPEDATA	1	2	3	3	1	3	13	6	1.65	84.16	2.17	.993	1.13	3.20
14 AHMANGIA MACULATA	2		2	3		3	10	4	1.27	85.42	1.67	1.366	.23	3.10
15 MAGELONA ROSEA	1	1	5		1	1	9	5	1.14	86.57	1.50	1.761	-.35	3.35
16 PHORONIDA							8	1	1.01	87.58	1.33	3.266	-2.09	4.76
17 SIGAMBRA TENTACULATA		2	2	1	3		8	4	1.01	88.59	1.33	1.211	.06	2.60
18 SPIONIDAE			1		4		5	2	.63	89.23	.83	1.602	-.85	2.51
19 EPIPIISA SPH		4					4	1	.51	89.73	.67	1.633	-1.05	2.38
20 STREHELIS HOA			1		2	1	4	3	.51	90.24	.67	.816	-.19	1.52
21 NINUL NIGRIPES		2	1		1		4	3	.51	90.75	.67	.816	-.19	1.52
22 ANCISTROSYLLIS JONESI		2	2				4	2	.51	91.25	.67	1.033	-.42	1.75
23 ARCIDIA JEFFREYSII		1		2			3	2	.38	91.63	.50	.837	-.38	1.38
24 POLYDORA LIGNI			3				3	1	.38	92.02	.50	1.225	-.79	1.79
25 NUCULANA CONCENTRICA	1	2					3	2	.38	92.40	.50	.837	-.38	1.38
26 AMPELISCA SPB	1		1			1	3	3	.38	92.78	.50	.549	-.07	1.07
27 LISTRIELLA BARNARDI		1			1		2	2	.25	93.03	.33	.516	-.21	.88
28 ZUANIMARIA	1				1		2	2	.25	93.28	.33	.516	-.21	.88
29 POLYCHAETE SPA			1			1	2	2	.25	93.54	.33	.516	-.21	.88
30 CHASMOCARCINUS MISSISSIPPIENSIS	1		1			1	2	2	.25	93.79	.33	.516	-.21	.88
31 CLYMEHELLA TORQUATA			1			1	2	2	.25	94.04	.33	.516	-.21	.88
32 DIOPATRA TRIDENTATA			1		1		2	2	.25	94.30	.33	.516	-.21	.88
33 DIOPATRA CUPREA			1		1		2	2	.25	94.55	.33	.516	-.21	.88
34 PALEANTHUS HETEROSETA	1			1			2	2	.25	94.80	.33	.516	-.21	.88
35 PARANIS GRACILIS				1		1	2	2	.25	95.06	.33	.516	-.21	.88
36 AMPELISCA AGASSIZI	1		1				2	2	.25	95.31	.33	.516	-.21	.88
37 DIASIYLIS SP					2		2	1	.25	95.56	.33	.816	-.52	1.19
38 GYPTIS VITTATA					1	1	2	2	.25	95.82	.33	.516	-.21	.88
39 MALDANIDAE		1	1				2	2	.25	96.07	.33	.516	-.21	.88
40 NOTOMASTUS CF LATERICEUS	1					1	2	2	.25	96.32	.33	.516	-.21	.88
41 PHYLLODOCE MUCOSA	1						1	1	.13	96.45	.17	.408	-.26	.60
42 AMPELISCA ABDITA				1			1	1	.13	96.58	.17	.408	-.26	.60
43 THARYX ANNULOSUS						1	1	1	.13	96.70	.17	.408	-.26	.60
44 ASYCHIS ELONGATA	1						1	1	.13	96.83	.17	.408	-.26	.60
45 MELANELLIDAE					1		1	1	.13	96.96	.17	.408	-.26	.60
46 SIGAMBRA SP	1						1	1	.13	97.08	.17	.408	-.26	.60
47 TEREBRIDAE						1	1	1	.13	97.21	.17	.408	-.26	.60
48 PILANGIS BERKELYAE				1			1	1	.13	97.34	.17	.408	-.26	.60
49 NEREIS LAMELLOSA				1			1	1	.13	97.47	.17	.408	-.26	.60
50 TELLINIDAE						1	1	1	.13	97.59	.17	.408	-.26	.60
51 ANPA AEGUALIS				1			1	1	.13	97.72	.17	.408	-.26	.60
52 NEREID (NICON) SPA			1				1	1	.13	97.85	.17	.408	-.26	.60
53 OPHIURIDAE			1				1	1	.13	97.97	.17	.408	-.26	.60
54 TURBONILLA PORTORICANA				1			1	1	.13	98.10	.17	.408	-.26	.60

55	PERIPLOMA	OBICULARE			1	1	1	.13	98.23	.17	.408	-.26	.60
56	NUCULA	PROXIMA		1		1	1	.13	98.35	.17	.408	-.26	.60
57	LUMMINERIS	TENUIS	1			1	1	.13	98.48	.17	.408	-.26	.60
58	CORBULA	SWIFTIANA			1	1	1	.13	98.61	.17	.408	-.26	.60
59	CIRRATULIDAE			1		1	1	.13	98.73	.17	.408	-.26	.60
60	LICHOMULGIDAE				1	1	1	.13	98.86	.17	.408	-.26	.60
61	DIOPATRA	CF NEDRIDENS			1	1	1	.13	98.99	.17	.408	-.26	.60
62	AMPHARETE	ACUTIFRONS		1		1	1	.13	99.11	.17	.408	-.26	.60
63	ONUPHIS	SPA			1	1	1	.13	99.24	.17	.408	-.26	.60
64	THARYX	MARIONI			1	1	1	.13	99.37	.17	.408	-.26	.60
65	ALPHEUS	SP			1	1	1	.13	99.49	.17	.408	-.26	.60
66	HEMICYCLOPS	SP			1	1	1	.13	99.62	.17	.408	-.26	.60
67	PINNOOTHERIDAE		1			1	1	.13	99.75	.17	.408	-.26	.60
68	SCHISTOMERINGOS	RUDOLPHI			1	1	1	.13	99.87	.17	.408	-.26	.60
69	TURRONILLA	SP			1	1	1	.13	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	26	22	31	27	25	27	
NO. OF INDIVIDUALS	110	100	177	101	87	134	789

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	1	69	789	4.1944	.8979	.4058

STATION 2 TRANSECT 1 PERIOD 77WINIER

SPECIES	REPLICATE						TOTAL			ACC PCT	MEAN	STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT				CONF	LIM
1 ASYNCHIS SP		99	15	20	37	143	314	5	47.01	47.01	52.33	56.234	-6.69	111.36
2 ASYNCHIS ELONGATA	14	36	14	14	12	3	93	6	13.92	60.93	15.50	10.913	4.05	26.95
3 PARANIDIS SPA	16	6	1	4	15	10	52	6	7.78	68.71	8.67	6.055	2.31	15.02
4 PARAPRIONOSPID PINNATA	1	10					19	3	2.84	71.56	3.17	4.579	-1.64	7.97
5 LUMBRINERIS PARVAPEDATA	7	3	3	2	2		17	5	2.54	74.10	2.83	2.317	.40	5.26
6 PARANIDIS GRACILIS	2	4	3	1	4	2	16	6	2.40	76.50	2.67	1.211	1.40	3.94
7 MAGELONA LONGICORNIS	1	6	2	3	1	2	15	6	2.25	78.74	2.50	1.871	.54	4.46
8 NEREID(NICUN) SPA	3	4	3	3			13	4	1.95	80.69	2.17	1.722	.36	3.97
9 NEMERTINEA		3	4	1	4		12	4	1.80	82.49	2.00	1.897	.01	3.99
10 CUSSURA DELTA	1	3	3	1	1	1	10	6	1.50	83.90	1.67	1.033	.50	2.75
11 AMPELISCA ANDJIA	2	4	3				10	4	1.50	85.40	1.67	1.633	-.05	3.30
12 MAGELONA ROSEA	3	1	2	4			10	4	1.50	86.90	1.67	1.633	-.05	3.30
13 NOTOMASTIUS CF LATERICEUS	2	1	1		2	3	9	5	1.35	88.32	1.50	1.049	.40	2.60
14 NEPHTYS INCISA	1	1	1	3			6	4	.90	89.22	1.00	1.095	-.15	2.15
15 NEPHTYIDAE	1		4				5	2	.75	89.97	.83	1.602	-.05	2.51
16 CHASMOCARCINUS MISSISSIPPIENSIS		1		1	2		4	3	.60	90.57	.67	.816	-.19	1.52
17 THARYX MARIONI		4					4	1	.60	91.17	.67	1.633	-1.05	2.30
18 AMPELISCA VERRILLI		1	1		1		3	3	.45	91.62	.50	.540	-.07	1.07
19 MEDIOMASTIUS CALIFORNIENSIS			1		2		3	2	.45	92.07	.50	.837	-.30	1.30
20 PARANIDIS LYNA			3				3	1	.45	92.51	.50	1.225	-.79	1.79
21 SIGAMBRA TENTACULATA		1			2		3	2	.45	92.96	.50	.837	-.30	1.30
22 OWENIA FUSIFORMIS	1	1	1				3	3	.45	93.41	.50	.540	-.07	1.07
23 PINNOTHERIDAE	1			1			2	2	.30	93.71	.33	.516	-.21	.80
24 COROULA SWIFTIANA	1	1					2	2	.30	94.01	.33	.516	-.21	.80
25 ARABELLA MUTANS			1			1	2	2	.30	94.31	.33	.516	-.21	.80
26 LISTRIELLA SPA	2						2	1	.30	94.61	.33	.816	-.52	1.19
27 OPHIDGLYCERA CF DISTORTA	1	1					2	2	.30	94.91	.33	.516	-.21	.80
28 AEDICIRA BELGICAE					1	1	2	2	.30	95.21	.33	.516	-.21	.80
29 ARICIDEA AASSI		1			1		2	2	.30	95.51	.33	.516	-.21	.80
30 MALACOCERUS SP		1			1		2	2	.30	95.81	.33	.516	-.21	.80
31 SIPUNCULA	2						2	1	.30	96.11	.33	.816	-.52	1.19
32 ANNANDIA MACULATA			1				1	1	.15	96.26	.17	.400	-.26	.60
33 NOTOMASTIUS CF AMERICANUS			1				1	1	.15	96.41	.17	.400	-.26	.60
34 POLYDORA CF HARTMANAE	1						1	1	.15	96.56	.17	.400	-.26	.60
35 TEREBELLIDAE	1						1	1	.15	96.71	.17	.400	-.26	.60
36 SPIRIDAE		1					1	1	.15	96.86	.17	.400	-.26	.60
37 PARANIDAE		1					1	1	.15	97.01	.17	.400	-.26	.60
38 OPHIURIDAE			1				1	1	.15	97.16	.17	.400	-.26	.60
39 AMPELISCA AGASSIZI				1			1	1	.15	97.31	.17	.400	-.26	.60
40 DRILONEREIS MAGNA					1		1	1	.15	97.46	.17	.400	-.26	.60
41 VITRINELLA FLORIDANA				1			1	1	.15	97.60	.17	.400	-.26	.60
42 APSEUDES SPA					1		1	1	.15	97.75	.17	.400	-.26	.60
43 KALLIAPSEUDES SPA			1				1	1	.15	97.90	.17	.400	-.26	.60
44 AUTOMATE EVERMANNI					1		1	1	.15	98.05	.17	.400	-.26	.60
45 ECHINODERMATA				1			1	1	.15	98.20	.17	.400	-.26	.60
46 PHYLLODOCE MUCOSA			1				1	1	.15	98.35	.17	.400	-.26	.60
47 DIOPATRA TRIDENTATA						1	1	1	.15	98.50	.17	.400	-.26	.60
48 SYNCHYLIDIUM CF AMERICANUM		1					1	1	.15	98.65	.17	.400	-.26	.60
49 ANOPLODACTYLUS PFTIOLATUS	1						1	1	.15	98.80	.17	.400	-.26	.60
50 EUDORELLA MONODINI		1					1	1	.15	98.95	.17	.400	-.26	.60
51 EPHESTELLA CF MIXTA			1				1	1	.15	99.10	.17	.400	-.26	.60
52 PRIONOSPID STEENSTRUPI		1					1	1	.15	99.25	.17	.400	-.26	.60
53 VULVULELLA TEXASIANA			1				1	1	.15	99.40	.17	.400	-.26	.60
54 OPHIODROMUS OBSCURUS					1		1	1	.15	99.55	.17	.400	-.26	.60

55 HIPPOMEDON CF SERRATUS	1			1	1	.15	99.70	.17	.408	-.26	.60
56 ANAGAMA TRANSVERSA			1		1	.15	99.85	.17	.408	-.26	.60
57 LIKOPHORUS LYRIFORMIS			1		1	.15	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	22	29	26	16	24	10	
NO. OF INDIVIDUALS	65	199	73	61	103	167	668

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	1	57	668	3.2722	.7502	.2456

STATION 3 TRANSECT 1 PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL					95 PCT		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF	LIM
1 PARANIS GRACILIS	4	3	1	13		2	23	5	7.10	7.10	3.83	4.748	-1.11	8.78
2 SIPUNCULA	2	3	2	7	2	2	18	6	5.56	12.65	3.00	2.000	.90	5.10
3 DENTALIUM SOWERBYI	5	4		5	1	1	16	5	4.94	17.59	2.67	2.251	.30	5.03
4 SIGAMBRA TENTACULATA	3	5	3	2	1		14	5	4.32	21.91	2.33	1.751	.50	4.17
5 ALTERNOCHELATA SPA	1	4	2	3		3	13	5	4.01	25.93	2.17	1.472	.62	3.71
6 COSSURA DELTA	3	1	1	2		3	10	5	3.09	29.01	1.67	1.211	.40	2.94
7 THARYX MARIONI	4			3	3		10	3	3.09	32.10	1.67	1.062	-.29	3.62
8 NEMERTINEA		2	1	1	1	4	9	5	2.78	34.88	1.50	1.378	.05	2.95
9 THYASIRA PYGMAEA	1	3	1	3		1	9	5	2.78	37.65	1.50	1.225	.21	2.79
10 PARAPRIONOSPID PINNATA	1	1		4	2		8	4	2.47	40.12	1.33	1.506	-.25	2.91
11 PITAN CONDATUS	1	4	1		1	1	8	5	2.47	42.59	1.33	1.366	-.10	2.77
12 NEPHYIIDAE	2			2	2	2	8	4	2.47	45.06	1.33	1.033	.25	2.42
13 SAKSTELLA CF GREYI	2	1	1	2	1		7	5	2.16	47.22	1.17	.753	.38	1.96
14 PARALACYDIDIA PARADOXA		2	1	1		3	7	4	2.16	49.38	1.17	1.169	-.06	2.39
15 THARYX ANNULOSUS		2		4	1		7	3	2.16	51.54	1.17	1.602	-.51	2.85
16 PARANIS SPA		4		1	2		7	3	2.16	53.70	1.17	1.602	-.51	2.85
17 STERNASPIS SCUTATA	1	1	1	1	2		6	5	1.85	55.56	1.00	.632	.34	1.66
18 SCUTOPUS SPA	2	2	1	1			6	4	1.85	57.41	1.00	.894	.06	1.94
19 HETEROPHUXUS CF OCVLATUS	1		1		2	1	5	4	1.54	58.95	.83	.753	.04	1.62
20 CYCLOCARDIA ARMILLA	1			1	2	1	5	4	1.54	60.49	.83	.753	.04	1.62
21 LEPTOCHELIA SP	3		1				4	2	1.23	61.73	.67	1.211	-.60	1.94
22 ARMANDIA MACULATA			3	1			4	2	1.23	62.96	.67	1.211	-.60	1.94
23 ANNA AEQUALIS			1		3		4	2	1.23	64.20	.67	1.211	-.60	1.94
24 TEREHELIDES STROEMII	1	1	1			1	4	4	1.23	65.43	.67	.516	.12	1.21
25 TETRAGONODON SPA	1	1	1			1	4	4	1.23	66.67	.67	.516	.12	1.21
26 AGLADIPHANUS CIRCINATA	2	1				1	4	3	1.23	67.90	.67	.816	-.19	1.52
27 NINOE NIGRIPES			1	2		1	4	3	1.23	69.14	.67	.816	-.19	1.52
28 NOTOMASTUS AMERICANUS	2		1				3	2	.93	70.06	.50	.837	-.38	1.38
29 AMPHARETIIDAE				1	1	1	3	3	.93	70.99	.50	.548	-.07	1.07
30 AMPELISCA SPA	1	1		1			3	3	.93	71.91	.50	.548	-.07	1.07
31 HARBANSUS PAUCICHELATUS				1		2	3	2	.93	72.84	.50	.837	-.38	1.38
32 XENANTHURA BREVI TELSON	1				2		3	2	.93	73.77	.50	.837	-.38	1.38
33 MEDIUMASTUS CALIFORNIENSIS		1		2			3	2	.93	74.69	.50	.837	-.38	1.38
34 NEPHYS INCISA		2	1				3	2	.93	75.62	.50	.837	-.38	1.38
35 ANOMALOCARDIA AUSTRALIANA		2				1	3	2	.93	76.54	.50	.837	-.38	1.38
36 NUCULANA ACUTA		1	2				3	2	.93	77.47	.50	.837	-.38	1.38
37 LUMBRINERIS ALBIDENTATA	1		1				2	2	.62	78.09	.33	.516	-.21	.88
38 TANAID SPF				2			2	1	.62	78.70	.33	.816	-.52	1.19
39 CAPITELLA CAPITATA				2			2	1	.62	79.32	.33	.816	-.52	1.19
40 PHILOMEDUS SPA			1	1			2	2	.62	79.94	.33	.516	-.21	.88
41 GLYCERA TESSEIATA				2			2	1	.62	80.56	.33	.816	-.52	1.19
42 BYLLIS CF AFFINIS	1	1					2	2	.62	81.17	.33	.516	-.21	.88
43 SPIROCHAETOPTERUS COSTARUM	1		1				2	2	.62	81.79	.33	.516	-.21	.88
44 SPIONIDAE	1				1		2	2	.62	82.41	.33	.516	-.21	.88
45 SPIOPHANES LONGICIRRUS	1	1					2	2	.62	83.02	.33	.516	-.21	.88
46 GONIADA NORVEGICA					2		2	1	.62	83.64	.33	.816	-.52	1.19
47 TANAID SPA	2						2	1	.62	84.26	.33	.816	-.52	1.19
48 TANAID SPA						2	2	1	.62	84.88	.33	.816	-.52	1.19
49 PISTA CRISTATA		1				1	2	2	.62	85.49	.33	.516	-.21	.88
50 FALCIDENS SPA				1	1		2	2	.62	86.11	.33	.516	-.21	.88
51 ONUPHIDAE		1		1			2	2	.62	86.73	.33	.516	-.21	.88
52 LUMBRINERIS PARVAPEDATA		2					2	1	.62	87.35	.33	.816	-.52	1.19
53 CUMACEAN		1				1	2	2	.62	87.96	.33	.516	-.21	.88
54 HIPPOMEDON CF SERRATUS		2					2	1	.62	88.58	.33	.816	-.52	1.19

55	PAGURUS HULLISI			1	1	1	.31	88.89	.17	.408	-.26	.60
56	PINUMIS ERUCA			1	1	1	.31	89.20	.17	.408	-.26	.60
57	AMAEANA TRILOBATA	1			1	1	.31	89.51	.17	.408	-.26	.60
58	OSTRACOD SPY		1		1	1	.31	89.81	.17	.408	-.26	.60
59	PARAONIDES LYRA		1		1	1	.31	90.12	.17	.408	-.26	.60
60	ANTHURID SPH		1		1	1	.31	90.43	.17	.408	-.26	.60
61	SYLLIS SPC			1	1	1	.31	90.74	.17	.408	-.26	.60
62	BRYOZOA			1	1	1	.31	91.05	.17	.408	-.26	.60
63	PROCHAETODERMA SPA	1			1	1	.31	91.36	.17	.408	-.26	.60
64	CINROPHORUS BRANCHIATUS			1	1	1	.31	91.67	.17	.408	-.26	.60
65	CALOCARIS OXYPLEURA			1	1	1	.31	91.98	.17	.408	-.26	.60
66	TELLINA VERSICOLOR		1		1	1	.31	92.28	.17	.408	-.26	.60
67	ALANTHOCARPUS ALEXANDRI			1	1	1	.31	92.59	.17	.408	-.26	.60
68	NUCULANA PLATISSA	1			1	1	.31	92.90	.17	.408	-.26	.60
69	TEREBELLIDAE			1	1	1	.31	93.21	.17	.408	-.26	.60
70	POLYDORA CF SUCIALIS			1	1	1	.31	93.52	.17	.408	-.26	.60
71	YOLDIA SOLENOIDES			1	1	1	.31	93.83	.17	.408	-.26	.60
72	OROPHIS SPD		1		1	1	.31	94.14	.17	.408	-.26	.60
73	OSTRACOD SPAA			1	1	1	.31	94.44	.17	.408	-.26	.60
74	OPHIUROIDEA	1			1	1	.31	94.75	.17	.408	-.26	.60
75	CIRRIATULID-H		1		1	1	.31	95.06	.17	.408	-.26	.60
76	TURRIDAE			1	1	1	.31	95.37	.17	.408	-.26	.60
77	GAENIA FUSIFORMIS		1		1	1	.31	95.68	.17	.408	-.26	.60
78	PARAMOEDON SP	1			1	1	.31	95.99	.17	.408	-.26	.60
79	ANTHURID SPH		1		1	1	.31	96.30	.17	.408	-.26	.60
80	GAETHIA SP		1		1	1	.31	96.60	.17	.408	-.26	.60
81	POECILOCHAETUS JOHNSONI	1			1	1	.31	96.91	.17	.408	-.26	.60
82	SOLENCERA VIOSCAI	1			1	1	.31	97.22	.17	.408	-.26	.60
83	GONIADA MACULATA	1			1	1	.31	97.53	.17	.408	-.26	.60
84	THYASINA SPA	1			1	1	.31	97.84	.17	.408	-.26	.60
85	SYLLIDAE	1			1	1	.31	98.15	.17	.408	-.26	.60
86	ARICIDEA JEFFREYSII		1		1	1	.31	98.46	.17	.408	-.26	.60
87	SERPULIDAE	1			1	1	.31	98.77	.17	.408	-.26	.60
88	OSTRACOD SPOD			1	1	1	.31	99.07	.17	.408	-.26	.60
89	DIPLODONTIA SPA			1	1	1	.31	99.38	.17	.408	-.26	.60
90	CERATOCEPHALE OCOLATA		1		1	1	.31	99.69	.17	.408	-.26	.60
91	SIGALIONIDAE	1			1	1	.31	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	40	37	31	34	26	26	
NO. OF INDIVIDUALS	63	67	38	77	39	40	324

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	I	91	324	5.8568	.9778	.9670

STATION 4 TRANSECT I PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL					95 PCT CONF LIM		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		STD	
1 MAGELONA PHYLLISAE	75	126	104	140	163	98	706	6	30.92	30.92	117.67	31.678	84.42	150.92
2 MEDIUMASTUS CALIFORNIENSIS	29	50		43	16	103	241	5	10.56	41.48	40.17	35.707	2.69	77.64
3 SIPUNCULA	32	56	4	44	74	17	227	6	9.94	51.42	37.83	25.647	10.91	64.75
4 LUMBRINERIS PARVAPDATA	56	30	21	27	46	32	212	6	9.29	60.71	35.33	13.079	21.61	49.06
5 NEMERTINEA	7	96		13	6	7	129	5	5.65	66.36	21.50	36.730	-17.05	60.05
6 PARAPRIUNUSPIO PINNATA	22	34	3	13	24	26	122	6	5.34	71.70	20.33	10.057	8.94	31.73
7 NEREID(NICON) SPA	16	21	9	3	13	1	63	6	2.76	74.46	10.50	7.608	2.43	18.57
8 POLYCHAETE SPA	7	12		30		8	57	4	2.50	76.96	9.50	11.095	-2.15	21.15
9 ASYCHIS SP	15		11	2	7	1	36	5	1.50	78.54	6.00	6.066	-.37	12.37
10 UKYUNOSTYLIS SP	9	6		1	6	9	31	5	1.36	79.09	5.17	3.869	1.11	9.23
11 AGLAOPHAMUS VERRILLI	2	5	6		13	1	27	5	1.18	81.08	4.50	4.764	-.50	9.50
12 AGLAOPHAMUS CIRCINATA	2	23		1			26	3	1.14	82.22	4.33	9.180	-5.30	13.97
13 MAGELONA PETTIBONEAE	10	2		4	2	8	26	5	1.14	83.36	4.33	3.882	.26	8.41
14 PARAUNIDES LYRA	1	1		15	1	8	26	5	1.14	84.49	4.33	5.989	-1.95	10.62
15 ARICIDEA JEFFREYSII	2	8		3	1	10	24	5	1.05	85.55	4.00	4.050	-.25	4.25
16 MALDANIDAE	7	3		1		11	22	4	.96	86.51	3.67	4.457	-1.01	8.34
17 LUMBRINERIS TENUIS	5	6		7		1	19	4	.83	87.34	3.17	3.189	-.18	6.51
18 CORHULA SWIFTIANA	1	6			6	4	17	4	.74	88.09	2.83	2.858	-.17	5.83
19 MAGELONA ROSEA	2		1	1	4	5	13	5	.57	88.66	2.17	1.941	.13	4.20
20 AMPHARETE AMERICANA	4	1		1	4	3	13	5	.57	89.22	2.17	1.722	.36	3.97
21 PARAUNIDAE			1	10	1		12	3	.53	89.75	2.00	3.950	-2.15	6.15
22 COSSURA DELTA		4			4	2	10	3	.44	90.19	1.67	1.966	-.40	3.73
23 ARICIDEA TAYLORI	2	1		5	1	1	10	5	.44	90.63	1.67	1.751	-.17	3.50
24 AMPELISCA SPH	2		1	2	1	3	9	5	.39	91.02	1.50	1.049	.40	2.60
25 PARAUNIS GRACILIS	2			3		3	8	3	.35	91.37	1.33	1.506	-.25	2.91
26 SPIONIDAE	2			5		1	8	3	.35	91.72	1.33	1.966	-.73	3.40
27 DIPLODONTA CF SURUM	3	1	1		2	1	8	5	.35	92.07	1.33	1.033	.25	2.42
28 SIGAMBHA TENTACULATA	3	3				2	8	3	.35	92.42	1.33	1.506	-.25	2.91
29 GLYCERA CAPITATA	3	4		1			8	3	.35	92.77	1.33	1.751	-.50	3.17
30 LUMBRINERIS SP			3	4			7	2	.31	93.00	1.17	1.835	-.76	3.09
31 ARMANDIA MACULATA	3	3			1		7	3	.31	93.39	1.17	1.472	-.38	2.71
32 NATICA CANRENA	2		2			3	7	3	.31	93.69	1.17	1.329	-.23	2.56
33 ARICIDEA WASSI	1	2	1		1	2	7	5	.31	94.00	1.17	.753	.38	1.96
34 NEPHTYIDAE	2			3	1		6	3	.26	94.26	1.00	1.265	-.33	2.33
35 PINNULINERIDAE	3		1	1	1		6	4	.26	94.52	1.00	1.095	-.15	2.15
36 OPHIUROIDEA		2	2		1	1	6	4	.26	94.79	1.00	.894	.06	1.94
37 PHOMONIDA			1		1	3	5	3	.22	95.01	.83	1.169	-.39	2.06
38 TELLINIDAE	3			1	1		5	3	.22	95.23	.83	1.169	-.39	2.06
39 SCOLOPLOS RUHRA	3			1	1		5	3	.22	95.44	.83	1.169	-.39	2.06
40 OMENIA FUSIFORMIS		1	1		1	2	5	4	.22	95.66	.83	.753	.04	1.62
41 ZOANTHARIA	1			1	1	1	4	4	.18	95.84	.67	.516	.12	1.21
42 NEPHTYS INCISA						4	4	1	.18	96.01	.67	1.633	-1.05	2.38
43 AMPELISCA AGASSIZI	1				2	1	4	3	.18	96.19	.67	.816	-.19	1.52
44 DIOPATRA CUPREA	1			1	2		4	3	.18	96.36	.67	.816	-.19	1.52
45 ASYCHIS ELONGATA	1		3				4	2	.18	96.54	.67	1.211	-.60	1.94
46 AHA AEGUALIS	1				2		3	2	.13	96.67	.50	.837	-.38	1.38
47 LUCINA AMIANTUS	2					1	3	2	.13	96.80	.50	.837	-.38	1.38
48 NUCULA PROXIMA	1	1	1				3	3	.13	96.93	.50	.548	-.07	1.07
49 AMPHARETIDAE		1		2			3	2	.13	97.07	.50	.837	-.38	1.38
50 AMPHARETE ACUTIFRONS		1				2	3	2	.13	97.20	.50	.837	-.38	1.38
51 MINUSPIO LONGIBRANCHIATA		3					3	1	.13	97.33	.50	1.225	-.79	1.79
52 SIMENELAIS HOA	1		1		1		3	3	.13	97.46	.50	.548	-.07	1.07
53 TELLINA VESICOLOR		1	1			1	3	3	.13	97.59	.50	.548	-.07	1.07
54 NEPHTYS PICIA					2		2	1	.09	97.68	.33	.816	-.52	1.19

55	DIOPATRA CF NEDRIDENS	1		1	2	2	.09	97.77	.33	.516	-.21	.88
56	NINOE NIGRIPES		1	1	2	2	.09	97.85	.33	.516	-.21	.88
57	PALEAOTUS HETEROSEIA		1	1	2	2	.09	97.94	.33	.516	-.21	.88
58	THARYX ANGULOSUS		1	1	2	2	.09	98.03	.33	.516	-.21	.88
59	HEMICYCLOPS SP			2	2	1	.09	98.12	.33	.816	-.52	1.19
60	TURBOVILLA PORTORICANA	1		1	2	2	.09	98.20	.33	.516	-.21	.88
61	AUTOMATE SP		2		2	1	.09	98.24	.33	.816	-.52	1.19
62	SPILOCHAETOPTERUS COSTARUM	2			2	1	.09	98.38	.33	.816	-.52	1.19
63	NOTOMASTUS CF LATERICEUS	1		1	2	2	.09	98.47	.33	.516	-.21	.88
64	SOLARIOIDIS INFRACANINATA			1	2	2	.09	98.55	.33	.516	-.21	.88
65	CAMIRA INCERTA		1		2	2	.09	98.64	.33	.516	-.21	.88
66	ANLISIRUSYLLIS PAPILLOSA			2	2	1	.09	98.73	.33	.816	-.52	1.19
67	OPHELIDAE		1		1	1	.04	98.77	.17	.408	-.26	.60
68	GLYCERA AMERICANA			1	1	1	.04	98.82	.17	.408	-.26	.60
69	SQUILLA EMPUSA	1			1	1	.04	98.86	.17	.408	-.26	.60
70	CENATOCEPHALE UCULATA			1	1	1	.04	98.90	.17	.408	-.26	.60
71	OROPHIDAE			1	1	1	.04	98.95	.17	.408	-.26	.60
72	MALACUCERUS SP	1			1	1	.04	98.99	.17	.408	-.26	.60
73	CANTHARUS CANCELLARIA		1		1	1	.04	99.04	.17	.408	-.26	.60
74	EPITHOIIDAE		1		1	1	.04	99.08	.17	.408	-.26	.60
75	TEREBELLIDES STROFII			1	1	1	.04	99.12	.17	.408	-.26	.60
76	SPEUCANCIUS LONATUS			1	1	1	.04	99.17	.17	.408	-.26	.60
77	PAGURIDAE	1			1	1	.04	99.21	.17	.408	-.26	.60
78	SIGALIONIDAE		1		1	1	.04	99.26	.17	.408	-.26	.60
79	GYPTIS VITTATA	1			1	1	.04	99.30	.17	.408	-.26	.60
80	CYCLOSTOMENISCUS SPA		1		1	1	.04	99.34	.17	.408	-.26	.60
81	PARAUNIS SPA			1	1	1	.04	99.39	.17	.408	-.26	.60
82	NUCULANA ACUTA		1		1	1	.04	99.43	.17	.408	-.26	.60
83	ACTINIARIA SPE			1	1	1	.04	99.47	.17	.408	-.26	.60
84	GLYCERA PAPILLOSA			1	1	1	.04	99.52	.17	.408	-.26	.60
85	MALACOLENDS VANDERHONSTI			1	1	1	.04	99.56	.17	.408	-.26	.60
86	PHOTIS MACROMANUS			1	1	1	.04	99.61	.17	.408	-.26	.60
87	ARICIDEA CF FRAGILIS		1		1	1	.04	99.65	.17	.408	-.26	.60
88	ANACHIS OUESA	1			1	1	.04	99.69	.17	.408	-.26	.60
89	MELINNA MACULATA		1		1	1	.04	99.74	.17	.408	-.26	.60
90	DIUGENIDAE		1		1	1	.04	99.78	.17	.408	-.26	.60
91	LYSIANASSID SPA	1			1	1	.04	99.82	.17	.408	-.26	.60
92	CAPRELLID	1			1	1	.04	99.87	.17	.408	-.26	.60
93	ACTINIARIA SPC		1		1	1	.04	99.91	.17	.408	-.26	.60
94	GLYCERA TESSELATA		1		1	1	.04	99.96	.17	.408	-.26	.60
95	OLIGOCHAETA	1			1	1	.04	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	49	40	27	40	50	44						
NO. OF INDIVIDUALS	355	522	185	398	428	395	2283					

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	1	95	2283	4.0502	.8660	.2632

STATION 5 TRANSECT 1 PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL					STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		CONF	LIM
1 PARANIS SPA	5	6	10	5	1	11	38	6	10.61	10.61	6.33	3.670	2.48	10.19
2 PITAR CURDATUS	5	2	14	3	6	6	30	5	8.38	18.99	5.00	4.899	-.14	10.14
3 SIPUNCULA	7	3	6	1	3	6	20	5	5.59	24.58	3.33	2.733	.47	6.20
4 PARAPRIONOSPIO PINNATA	1	2	3	3	3	3	12	5	3.35	27.93	2.00	1.265	.67	3.33
5 SIGAMBRA TENTACULATA	2	3	1	1	4	1	11	5	3.07	31.01	1.83	1.472	.29	3.38
6 PARANIS GRACILIS	1	1	2	3	3	1	11	6	3.07	34.08	1.83	.983	.80	2.87
7 MAGELONA LONGICORNIS	4	1	1	4	1	1	11	5	3.07	37.15	1.83	1.722	.03	3.64
8 COSSURA DELTA	2	1	1	2	2	2	8	5	2.23	39.39	1.33	.816	.08	2.19
9 CAPRELLID		2	4	2			8	3	2.23	41.62	1.33	1.633	-.38	3.05
10 LUMBRINERIS PARVAPEDATA			2	3		3	8	3	2.23	43.85	1.33	1.506	-.25	2.91
11 NEPHYS INCLISA	1		2	1	3		7	4	1.96	45.81	1.17	1.169	-.06	2.39
12 STEPHNASPIS SCUTATA	1	1	2	1	1		6	5	1.68	47.49	1.00	.632	.34	1.66
13 THARYX MARIONI		1				5	6	2	1.68	49.16	1.00	2.000	-1.10	3.10
14 PHORONIDA	1	1				4	6	3	1.68	50.84	1.00	1.549	-.63	2.63
15 SOLEMYA SPA	1		1	3	1	1	6	4	1.68	52.51	1.00	1.095	-.15	2.15
16 BRYOZOA	1	1	1	1	1	1	5	5	1.40	53.91	.83	.408	.00	1.26
17 DENTALIUM SOWERBYI	1		1	1	2		5	4	1.40	55.31	.83	.753	.00	1.62
18 SPIOPHARES SPA				3	2		5	2	1.40	56.70	.83	1.329	-.56	2.23
19 AMPHARETIDAE	1			1	1	2	5	4	1.40	58.10	.83	.753	.00	1.62
20 SABELLIDAE		1				4	5	2	1.40	59.50	.83	1.602	-.85	2.51
21 ANOPLUDACTYLUS PETIOLATUS			2		1	1	4	3	1.12	60.61	.67	.816	-.19	1.52
22 BYHLIS CF AFFINIS	1		2	1			4	3	1.12	61.73	.67	.816	-.19	1.52
23 AMPHARETE PARVIDENTATA				2		2	4	2	1.12	62.85	.67	1.033	-.42	1.75
24 GLYCERA TESSELATA	2	1		1			4	3	1.12	63.97	.67	.816	-.19	1.52
25 SERPULIDAE			2	2			4	2	1.12	65.08	.67	1.033	-.42	1.75
26 SCUTOPIUS SPA	1	1		1	1		4	4	1.12	66.20	.67	.516	.12	1.21
27 AMPELISCA VERRILLI	1		1		1		3	3	.84	67.00	.50	.548	-.07	1.07
28 SPHAEROSYLLIS CF SUHLAEVIS	1					2	3	2	.84	67.88	.50	.837	-.38	1.38
29 PARANIDES LYRA				1	1	1	3	3	.84	68.72	.50	.548	-.07	1.07
30 NEPHYIIDAE		1	1			1	3	3	.84	69.55	.50	.548	-.07	1.07
31 CORBULA SWIFTIANA				2	1		3	2	.84	70.39	.50	.837	-.38	1.38
32 NEMERTINEA	1	1			1		3	3	.84	71.23	.50	.548	-.07	1.07
33 MEGALOMMA CF QUADRICULATUM	2					1	3	2	.84	72.07	.50	.837	-.38	1.38
34 SPIUCHAETOPTERUS COSTARUM						3	3	1	.84	72.91	.50	1.225	-.79	1.79
35 TRACHYPENAEUS SIMILIS	3						3	1	.84	73.74	.50	1.225	-.79	1.79
36 OSTRACOD SPD		1		1		1	3	3	.84	74.58	.50	.548	-.07	1.07
37 PALEANOTUS HETEROSEITA			1			2	3	2	.84	75.42	.50	.837	-.38	1.38
38 PANAMPHINOME PULCHELLA	1		1				2	2	.56	75.98	.33	.516	-.21	.88
39 AMYGDALUM PAPHIUM		1				1	2	2	.56	76.54	.33	.516	-.21	.88
40 UNUPHIDAE				1	1		2	2	.56	77.09	.33	.516	-.21	.88
41 PISTA CRISTATA				2			2	1	.56	77.65	.33	.816	-.52	1.19
42 MEDIOMASTUS CALIFORNIENSIS	1		1				2	2	.56	78.21	.33	.516	-.21	.88
43 EUDORELLA NUNODIN				1	1		2	2	.56	78.77	.33	.516	-.21	.88
44 EXOGONE DISPAR		1				1	2	2	.56	79.33	.33	.516	-.21	.88
45 FLARELLIGERIDAE		1				1	2	2	.56	79.89	.33	.516	-.21	.88
46 TEREHELLIDFS STROEMII					1	1	2	2	.56	80.45	.33	.516	-.21	.88
47 OPHIURIDEA					1	1	2	2	.56	81.01	.33	.516	-.21	.88
48 ARICIOEA NEOSUECTICA	1		1				2	2	.56	81.56	.33	.516	-.21	.88
49 AMPELISCA SPA		1			1		2	2	.56	82.12	.33	.516	-.21	.88
50 SYNCHELIDIUM CF AMERICANUM		1		1			2	2	.56	82.68	.33	.516	-.21	.88
51 VENERIDAE	2						2	1	.56	83.24	.33	.816	-.52	1.19
52 MALDANIDAE			1	1			2	2	.56	83.80	.33	.516	-.21	.88
53 EPITONIIDAE	1			1			2	2	.56	84.36	.33	.516	-.21	.88
54 NINOE NIGRIPES			1		1		2	2	.56	84.92	.33	.516	-.21	.88

55	MARPHYSA SPA		1	1		2	2	.56	85.47	.33	.516	-.21	.88
56	SPIOPHANES SP		2			2	1	.56	86.43	.33	.816	-.52	1.19
57	THARYX ANNULOSUS		1	1		2	2	.56	86.59	.33	.516	-.21	.88
58	ASYCHIS SP		1			1	1	.28	86.87	.17	.408	-.26	.60
59	LEIULAMURUS HITIDUS				1	1	1	.28	87.15	.17	.408	-.26	.60
60	PROCESSA SP	1				1	1	.28	87.43	.17	.408	-.26	.60
61	SPIOPHANES LONGICIRRUS		1			1	1	.28	87.71	.17	.408	-.26	.60
62	SICYONIA DORSALIS	1				1	1	.28	87.99	.17	.408	-.26	.60
63	THYASIKA PYGMAEA				1	1	1	.28	88.27	.17	.408	-.26	.60
64	NUCULANA ACUTA		1			1	1	.28	88.55	.17	.408	-.26	.60
65	BRANIA FURCELLIGERA		1			1	1	.28	88.83	.17	.408	-.26	.60
66	LYONSIA HYALINA FLORIDANA				1	1	1	.28	89.11	.17	.408	-.26	.60
67	NATICA SP				1	1	1	.28	89.39	.17	.408	-.26	.60
68	DENTALIUM TEXASIANUM				1	1	1	.28	89.66	.17	.408	-.26	.60
69	PANDORA SPA				1	1	1	.28	89.94	.17	.408	-.26	.60
70	HYALA SPA				1	1	1	.28	90.22	.17	.408	-.26	.60
71	NOTOMASTUS CF AMERICANUS	1				1	1	.28	90.50	.17	.408	-.26	.60
72	CHAETUZONE GAYHEADIA				1	1	1	.28	90.78	.17	.408	-.26	.60
73	LEPTOSTYLIS SP	1				1	1	.28	91.06	.17	.408	-.26	.60
74	LORYMORPHA PENDULA				1	1	1	.28	91.34	.17	.408	-.26	.60
75	ANADARA TRANSVERSA		1			1	1	.28	91.62	.17	.408	-.26	.60
76	TENEBRIDAE	1				1	1	.28	91.90	.17	.408	-.26	.60
77	MAGELONA PHYLLISAE	1				1	1	.28	92.18	.17	.408	-.26	.60
78	ACROCIKIDAE				1	1	1	.28	92.46	.17	.408	-.26	.60
79	KINGICULA SEMISTRATA				1	1	1	.28	92.74	.17	.408	-.26	.60
80	CHLORIEA VIRIDIS				1	1	1	.28	93.02	.17	.408	-.26	.60
81	GNATHIA SP				1	1	1	.28	93.30	.17	.408	-.26	.60
82	AUTOMATE SP				1	1	1	.28	93.58	.17	.408	-.26	.60
83	NOTOMASTUS LATERICEUS				1	1	1	.28	93.85	.17	.408	-.26	.60
84	POLYNOIDAE		1			1	1	.28	94.13	.17	.408	-.26	.60
85	COLLUDES TRISPINOSUS	1				1	1	.28	94.41	.17	.408	-.26	.60
86	PLATYHELMINTHES				1	1	1	.28	94.69	.17	.408	-.26	.60
87	MEGALOMMA CF BIUCULATUM				1	1	1	.28	94.97	.17	.408	-.26	.60
88	MYLIDIDAE				1	1	1	.28	95.25	.17	.408	-.26	.60
89	VERTICORDIA FISCHERIANA				1	1	1	.28	95.53	.17	.408	-.26	.60
90	ARICIDEA JEFFREYSII				1	1	1	.28	95.81	.17	.408	-.26	.60
91	CHASMOCARCINUS MISSISSIPPIENSIS				1	1	1	.28	96.09	.17	.408	-.26	.60
92	SARSIELLA GETTLESONI				1	1	1	.28	96.37	.17	.408	-.26	.60
93	OWENIA FUSIFORMIS				1	1	1	.28	96.65	.17	.408	-.26	.60
94	CUMACEAN SPG				1	1	1	.28	96.93	.17	.408	-.26	.60
95	ARMANDIA MACULATA				1	1	1	.28	97.21	.17	.408	-.26	.60
96	PARALACYDONIA PARADOXA				1	1	1	.28	97.49	.17	.408	-.26	.60
97	PARAONIDAE				1	1	1	.28	97.77	.17	.408	-.26	.60
98	MALACOCERUS SP				1	1	1	.28	98.04	.17	.408	-.26	.60
99	SPHAERODORIDIUM CLAPANEDII				1	1	1	.28	98.32	.17	.408	-.26	.60
100	AGLADOPHAMUS CIRCINATA				1	1	1	.28	98.60	.17	.408	-.26	.60
101	FINELLA DUBIA				1	1	1	.28	98.88	.17	.408	-.26	.60
102	NATICA LANRENA	1				1	1	.28	99.16	.17	.408	-.26	.60
103	SKOZSBERGIA CF LERNERI	1				1	1	.28	99.44	.17	.408	-.26	.60
104	MONOCULOIDES SPC				1	1	1	.28	99.72	.17	.408	-.26	.60
105	GONIADIDAE		1			1	1	.28	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	37	24	32	42	32	43	
NO. OF INDIVIDUALS	61	32	57	80	40	68	358

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	1	105	358	5.8614	.9708	.8476

STATION 6 TRANSECT 1 PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL					STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		CONF	LIM
1 SIPUNCULA	5	9	6	11	3	9	43	6	11.65	11.65	7.17	2.994	4.02	10.31
2 DENTALIUM SOWERBYI		6	10	6	3	4	29	5	7.06	19.51	4.83	3.371	1.29	8.37
3 ALTERNOCHELATA SPA	2	7	4	4	1	4	22	6	5.96	25.47	3.67	2.066	1.50	5.83
4 SIGAMBRA TENTACULATA	2	5	5	1	4	3	20	6	5.42	30.89	3.33	1.633	1.62	5.05
5 PARANONIS GRACILIS	3	5	4		1	4	17	5	4.61	35.50	2.83	1.941	.80	4.87
6 CIUSSURA DELTA	6	1		1	3	3	14	5	3.79	39.30	2.33	2.160	.07	4.60
7 PAKALACYDONIA PARADOXA	1	3	1	1	4	3	13	6	3.52	42.82	2.17	1.329	.77	3.56
8 THARYX MARIONI	3	5			1	4	13	4	3.52	46.34	2.17	2.137	-.08	4.41
9 PHUKONIDA	1	3	1	2	2	3	12	6	3.25	49.59	2.00	.894	1.06	2.94
10 THARYX ANNULOSUS	4	1	5		1		11	4	2.98	52.57	1.83	2.137	-.41	4.08
11 AMPHARETE PARVIDENTATA	1	1	2	2		5	10	4	2.71	55.28	1.67	1.862	-.29	3.62
12 PARAPRIONOSPID PINNATA	1	1	1		1	4	7	4	1.90	57.18	1.17	1.472	-.38	2.71
13 PARANONIS SPA		3	1		1	1	6	4	1.63	50.81	1.00	1.095	-.15	2.15
14 TEREBELLIDES STROEMII	1				1	4	6	3	1.63	60.43	1.00	1.549	-.63	2.63
15 SCUTOPIUS SPA			1			5	6	2	1.63	62.06	1.00	2.000	-1.10	3.10
16 THYASINA SPA	1	1				3	5	3	1.36	63.41	.83	1.169	-.39	2.06
17 NEMERTINEA	1		1	1	1		4	4	1.08	64.50	.67	.516	.12	1.21
18 ANICIDEA NEUSUECICA		1	1	1	1		4	4	1.08	65.50	.67	.516	.12	1.21
19 LUMBRINERIS PARVAPEDATA	1	1	1			1	4	4	1.08	66.67	.67	.516	.12	1.21
20 GLYCERA TESSELLATA			1		1	2	4	3	1.08	67.75	.67	.816	-.19	1.52
21 PILAR CONDATUS			1			3	4	2	1.08	68.83	.67	1.211	-.60	1.94
22 ARMANDIA MACULATA		1			2	1	4	3	1.08	69.92	.67	.816	-.19	1.52
23 SPIONIDAE	2				1		3	2	.81	70.73	.50	.837	-.30	1.38
24 CHONE CF AMERICANA	1			2			3	2	.81	71.54	.50	.837	-.30	1.38
25 UNCIOLA SERRATA					2	1	3	2	.81	72.36	.50	.837	-.30	1.38
26 ANOPLDACTYLUS PETIOLATUS		1	2				3	2	.81	73.17	.50	.837	-.30	1.38
27 SPIOCHAEIPTERUS COSTARUM			1		1	1	3	3	.81	73.98	.50	.548	-.07	1.07
28 THYASIRA PYGMAEA	1			1	1		3	3	.81	74.80	.50	.548	-.07	1.07
29 SPHYRAPUS SPA					3	3	3	1	.81	75.61	.50	1.225	-.79	1.79
30 HYBLIS CF AFFINIS	1		1			1	3	3	.81	76.42	.50	.548	-.07	1.07
31 STERNASPIS SCUTATA		1			2		3	2	.81	77.24	.50	.837	-.30	1.38
32 SERPULIDAE		1		2			3	2	.81	78.05	.50	.837	-.30	1.38
33 AMYGDALUM PAPHYRIUM			1		1	1	3	3	.81	78.86	.50	.548	-.07	1.07
34 NEPHYS INCISA						2	2	1	.54	79.40	.33	.816	-.52	1.19
35 CIRRHATULIDAE				2			2	1	.54	79.95	.33	.816	-.52	1.19
36 LUVANELLA GRANDIS				1	1		2	2	.54	80.49	.33	.516	-.21	.88
37 TANAID SPJ					1	1	2	2	.54	81.03	.33	.516	-.21	.88
38 CORBULA SWIFTIANA		2					2	1	.54	81.57	.33	.816	-.52	1.19
39 GONIADA MACULATA	2						2	1	.54	82.11	.33	.816	-.52	1.19
40 HETEROPHOXUS CF OCOLATUS		2					2	1	.54	82.66	.33	.816	-.52	1.19
41 BRYOZOA	1					1	2	2	.54	83.20	.33	.516	-.21	.88
42 VERTICORDIA FISCHERIANA						2	2	1	.54	83.74	.33	.816	-.52	1.19
43 NOTOMASTUS CF LATERICUS			1	1			2	2	.54	84.28	.33	.516	-.21	.88
44 AMPELISCA AGASSIZI						2	2	1	.54	84.82	.33	.816	-.52	1.19
45 SPIOPHANES SPA			1			1	2	2	.54	85.37	.33	.516	-.21	.88
46 UNOPHS SPH	1					1	2	2	.54	85.91	.33	.516	-.21	.88
47 SYLLIS CF ANOPS			2				2	1	.54	86.45	.33	.816	-.52	1.19
48 TEREBELLIDAE	1				1		2	2	.54	86.99	.33	.516	-.21	.88
49 SAHELLIDAE		1				1	2	2	.54	87.53	.33	.516	-.21	.88
50 MEGALOMMA CF QUADRIOCULATUM				1		1	2	2	.54	88.08	.33	.516	-.21	.88
51 PRIONOSPID STEENSTROMI	1		1				2	2	.54	88.62	.33	.516	-.21	.88
52 CIRRHOPHORUS BRANCHIATUS						1	1	1	.27	88.89	.17	.408	-.26	.60
53 MONOCULOIDES SPC		1					1	1	.27	89.16	.17	.408	-.26	.60
54 AMPELISCA SPA						1	1	1	.27	89.43	.17	.408	-.26	.60

55	LUMBRINERIS SP	1								.27	89.70	.17	.408	-.26	.60
56	DENTALIUM TEXASTANUM		1							.27	89.97	.17	.408	-.26	.60
57	ANADARA TRANSVERSA			1						.27	90.24	.17	.408	-.26	.60
58	HARDANSUS PAUCICHELATUS			1						.27	90.51	.17	.408	-.26	.60
59	LUMACEAN SPI				1					.27	90.79	.17	.408	-.26	.60
60	NINOE NIGRIPES	1								.27	91.06	.17	.408	-.26	.60
61	GLYCINDE NORDMANNI		1							.27	91.33	.17	.408	-.26	.60
62	MEDIOMASTUS CALIFORNIENSIS			1						.27	91.60	.17	.408	-.26	.60
63	CALLIANASSA LATISPINA			1						.27	91.87	.17	.408	-.26	.60
64	OPHIUDROMUS OHSCURUS				1					.27	92.14	.17	.408	-.26	.60
65	MAGELONA ROSEA				1					.27	92.41	.17	.408	-.26	.60
66	POLYCHAETE SPA		1							.27	92.68	.17	.408	-.26	.60
67	POLYDORA CF HARTHANA				1					.27	92.95	.17	.408	-.26	.60
68	SAMYTHELLA ELIASONI	1								.27	93.22	.17	.408	-.26	.60
69	PROCHAETIDERMA SPA			1						.27	93.50	.17	.408	-.26	.60
70	SPIOPHANES LONGICIRRHUS		1							.27	93.77	.17	.408	-.26	.60
71	SPHAERODORIDIUM CLAPAREDII			1						.27	94.04	.17	.408	-.26	.60
72	TEREBRIDAE	1								.27	94.31	.17	.408	-.26	.60
73	OSTRACOD SPJJ			1						.27	94.58	.17	.408	-.26	.60
74	HYALA SPA			1						.27	94.85	.17	.408	-.26	.60
75	MAGELONA PHYLLISAE				1					.27	95.12	.17	.408	-.26	.60
76	CUSPIDARIA MEDIA			1						.27	95.39	.17	.408	-.26	.60
77	PECTINARIA GOULDII			1						.27	95.66	.17	.408	-.26	.60
78	PARASTEROPE LATA				1					.27	95.93	.17	.408	-.26	.60
79	SPIOPHANES SP		1							.27	96.21	.17	.408	-.26	.60
80	AMPHARETIIDAE	1								.27	96.48	.17	.408	-.26	.60
81	OPHIUROIDEA				1					.27	96.75	.17	.408	-.26	.60
82	AGLAOPHAMUS CIRCINATA			1						.27	97.02	.17	.408	-.26	.60
83	GNUPHIDAE		1							.27	97.29	.17	.408	-.26	.60
84	SIGAMURA HASSI		1							.27	97.56	.17	.408	-.26	.60
85	AUTOMATE EVERMANNI				1					.27	97.83	.17	.408	-.26	.60
86	PLATYHELMINTHES			1						.27	98.10	.17	.408	-.26	.60
87	SERPULA VERMICULARIS			1						.27	98.37	.17	.408	-.26	.60
88	NUCULANA ACUTA			1						.27	98.64	.17	.408	-.26	.60
89	SPIOPHANES WIGLEYI				1					.27	98.92	.17	.408	-.26	.60
90	POECILOCHAETUS JOHNSONI		1							.27	99.19	.17	.408	-.26	.60
91	SARSIELLA SPL		1							.27	99.46	.17	.408	-.26	.60
92	CHLIDETA VIRIDIS				1					.27	99.73	.17	.408	-.26	.60
93	LUMBRINERIS TENUIS		1							.27	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	25	28	32	24	36	43	
NO. OF INDIVIDUALS	45	67	63	47	52	95	369

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	1	93	369	5.5390	.9640	.7634

STATION 1 TRANSECT II PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL					95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF LIM
1 MEDITASTIUS CALIFORNIENSIS	13	8	13	13	33	25	105	6	23.13	23.13	17.50	9.460	7.57 27.03
2 PARAPRIONOSPIO PINNATA	3	8	4	6	22	20	63	6	13.88	37.00	10.50	8.337	1.75 19.25
3 AMPELISCA AGASSIZI	16	23	6	4	2	3	54	6	11.89	48.90	9.00	8.532	.04 17.96
4 MAGELONA PHYLLISAE	4	3	5	5	16	2	33	6	7.27	56.17	5.50	5.244	-.00 11.00
5 NEMERTINEA	5	11	1	6	3	1	27	6	5.95	62.11	4.50	3.742	.53 8.47
6 COSSUNA DELTA	3	2	3	4	7	4	23	6	5.07	67.10	3.83	1.722	2.03 5.64
7 NEREID(MICON) SPA		2	5	6	4	5	22	5	4.85	72.03	3.67	2.251	1.30 6.03
8 NERITYS INCISA	2	1	3	1	8	1	16	6	3.52	75.55	2.67	2.733	-.20 5.53
9 SIGAMMA TENTACULATA	3	1	3	1	5		13	5	2.86	78.41	2.17	1.835	.24 4.09
10 MAGELONA ROSEA	3	1	1		3	2	10	5	2.20	80.62	1.67	1.211	.40 2.94
11 VITKINELLA FLORIDANA	1	5		1		2	9	4	1.98	82.60	1.50	1.871	-.46 3.46
12 ARICIOEA JEFFREYSII	1	4			1	3	9	4	1.98	84.50	1.50	1.643	-.22 3.22
13 PHOTIS MACHOMANUS		2		1	2	2	7	4	1.54	86.12	1.17	.983	.13 2.20
14 MINUSPIO CIRRIFERA		5			1		6	2	1.32	87.44	1.00	2.000	-1.10 3.10
15 ARMANDIA MACULATA					4	1	5	2	1.10	88.55	.83	1.602	-.05 2.51
16 NOTOMASTIUS CF LATERICEUS					4		4	1	.88	89.43	.67	1.633	-1.05 2.30
17 AMPELISCA VERRILLI	1	1		1	1		4	4	.88	90.31	.67	.516	.12 1.21
18 MAGELONA LONGICORNIS	1		1		1	1	4	4	.88	91.19	.67	.516	.12 1.21
19 PARADIS GRACILIS	1	1		2			4	3	.88	92.07	.67	.816	-.19 1.52
20 MALACOCERUS VANDERHORSII			2			1	3	2	.66	92.73	.50	.837	-.38 1.30
21 NAITIA CANEHA	2				1		3	2	.66	93.39	.50	.737	-.38 1.30
22 AMPELISCA ABDITA	1		1			1	3	3	.66	94.05	.50	.500	-.07 1.07
23 NINDE NIGRIPES	1				1		2	2	.44	94.49	.33	.516	-.21 .88
24 LUMBRINERIS PARVAPEDATA	1				1		2	2	.44	94.93	.33	.516	-.21 .88
25 CORHILA SHIFFIANA		1				1	2	2	.44	95.37	.33	.516	-.21 .88
26 EHIOPISA SPH		2					2	1	.44	95.81	.33	.816	-.52 1.19
27 SPIOPHANES LONGICIRRUS	1						1	1	.22	96.04	.17	.408	-.26 .60
28 NUCULANA CONCENTRICA	1						1	1	.22	96.26	.17	.408	-.26 .60
29 ASYCHIS ELONGATA	1						1	1	.22	96.48	.17	.408	-.26 .60
30 SPIRIDIAE						1	1	1	.22	96.70	.17	.408	-.26 .60
31 THARYX ANHULOSUS						1	1	1	.22	96.92	.17	.408	-.26 .60
32 MALACOCERUS SP						1	1	1	.22	97.14	.17	.408	-.26 .60
33 SPECIARINUS LONATUS				1			1	1	.22	97.36	.17	.408	-.26 .60
34 AMPHARETE ACUTIFRONS	1						1	1	.22	97.58	.17	.408	-.26 .60
35 SYNCHELIDIUM CF AMERICANUM						1	1	1	.22	97.80	.17	.408	-.26 .60
36 ANADARA OVALIS		1					1	1	.22	98.02	.17	.408	-.26 .60
37 POLYCHAETE SPA					1		1	1	.22	98.24	.17	.408	-.26 .60
38 CIRRHATULID SPA					1		1	1	.22	98.46	.17	.408	-.26 .60
39 AGLAOPHMIUS CIRCINATA	1						1	1	.22	98.68	.17	.408	-.26 .60
40 SIGAMMA HASSI					1		1	1	.22	98.90	.17	.408	-.26 .60
41 MALDANIDAE			1				1	1	.22	99.12	.17	.408	-.26 .60
42 NEREIS LAMELLOSA		1					1	1	.22	99.34	.17	.408	-.26 .60
43 ANCISTRUSYLLIS JONESI			1				1	1	.22	99.56	.17	.408	-.26 .60
44 PRIONOSPIO CRISTATA	1						1	1	.22	99.78	.17	.408	-.26 .60
45 LUMBRINERIS TENUIS						1	1	1	.22	100.00	.17	.408	-.26 .60

NO. OF SPECIES 24 20 15 14 23 22
 NO. OF INDIVIDUALS 68 83 48 52 123 80 454

STATION TRANSECT SPECIES INDIVIDUALS DIVERSITY PIE EQUITABILITY
 1 II 45 454 4.0033 .8969 .5333

STATION 2 TRANSECT 11 PERIOD 17WINTER

SPECIES	REPLICATE						TOTAL					95 PCT		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF	LIM
1 SPIONIDAE	17	2		5	43		67	4	19.14	19.14	11.17	16.845	-6.51	28.85
2 PARAPONIS SPA	3	5	5	9	2	5	29	6	8.29	27.43	4.83	2.401	2.31	7.35
3 PARAPHIUNUSPIO PINNATA	2	7	8		3	2	22	5	6.29	33.71	3.67	3.141	.37	6.96
4 PARAOVIS GRACILIS	3	2	5	5	2	1	18	6	5.14	38.86	3.00	1.673	1.24	4.76
5 NEMERTINEA	1	6	4		2	2	15	5	4.29	43.14	2.50	2.168	.22	4.78
6 CORHULA SWIFTIANA	5				6	1	12	3	3.43	46.57	2.00	2.757	-.89	4.89
7 NEPHYS INCISA	3	3		1	3	2	12	5	3.43	50.00	2.00	1.265	.67	3.33
8 LUMBRINERIS PARVAPEDATA	1	1	6		3	1	12	5	3.43	53.43	2.00	2.191	-.30	4.30
9 COSSURA DELTA	4	1	2		2	2	11	5	3.14	56.57	1.83	1.329	.44	3.23
10 MAGELONA LONGICORNIS	2	1	3	1	3	1	11	6	3.14	59.71	1.83	.983	.80	2.87
11 PITAR CORDATUS	1	1	1	3		3	9	5	2.57	62.29	1.50	1.225	.21	2.79
12 EUDORELLA MUNDON	1	2	3		2		8	4	2.29	64.57	1.33	1.211	.06	2.60
13 MIUSPIO LONGIRHANCHIATA						6	6	1	1.71	66.29	1.00	2.449	-1.57	3.57
14 NATICA CANHENA	2	1	2				5	3	1.43	67.71	.83	.983	-.20	1.87
15 MEDIOMASTUS CALIFORNIENSIS	1		3	1			5	3	1.43	69.14	.83	1.169	-.39	2.06
16 SIGAMMRA TENTACULATA	1	1	1		2		5	4	1.43	70.57	.83	.753	.04	1.62
17 ARICIOEA JEFFREYSII			2		3		5	2	1.43	72.00	.83	1.329	-.56	2.23
18 VENERIDAE	2		2				4	2	1.14	73.14	.67	1.033	-.42	1.75
19 NATICA SP	4						4	1	1.14	74.29	.67	1.633	-1.05	2.38
20 HETEROSPIO LONGISSIMA			2		1	1	4	3	1.14	75.43	.67	.816	-.19	1.52
21 OPHTUROIDEA			1	1	1	1	4	4	1.14	76.57	.67	.516	.12	1.21
22 THARYX MARIONI		2	1	1			4	3	1.14	77.71	.67	.816	-.19	1.52
23 OPHIOGLYCERA CF DISTORTA	1				2		3	2	.86	78.57	.50	.837	-.38	1.38
24 MIUSPIO CIRRHIFERA					3		3	1	.86	79.43	.50	1.225	-.79	1.79
25 AUTOMATE SP					2	1	3	2	.86	80.29	.50	.837	-.38	1.38
26 PINNOTHERIDAE		2		1			3	2	.86	81.14	.50	.837	-.38	1.38
27 ANOPLUDACTYLUS PETIOLATUS	1		1		1		3	3	.86	82.00	.50	.548	-.07	1.07
28 ECHINODERMATA			3				3	1	.86	82.86	.50	1.225	-.79	1.79
29 MAGELONA ROSEA	1	1	1				3	3	.86	83.71	.50	.548	-.07	1.07
30 AMPELISCA ABDITA				1	1	1	3	3	.86	84.57	.50	.548	-.07	1.07
31 TELLINIDAE		1	1				2	2	.57	85.14	.33	.516	-.21	.88
32 TEINOSTOMA HISCAYNSE					1	1	2	2	.57	85.71	.33	.516	-.21	.88
33 LISTRIELLA BARNARDI					1	1	2	2	.57	86.29	.33	.516	-.21	.88
34 NOTOMASTUS CF LATENICEUS	1	1					2	2	.57	86.86	.33	.516	-.21	.88
35 CAPRELLID	1		1				2	2	.57	87.43	.33	.516	-.21	.88
36 NINOE NIGRIPES			1		1		2	2	.57	88.00	.33	.516	-.21	.88
37 UNILONEREIS MAGNA			1			1	2	2	.57	88.57	.33	.516	-.21	.88
38 KALLIAPSEUDES SPA			1		1		2	2	.57	89.14	.33	.516	-.21	.88
39 SPIOPHANES LONGICINRUS		1	1				2	2	.57	89.71	.33	.516	-.21	.88
40 SIRENELAIS HOA					1	1	2	2	.57	90.29	.33	.516	-.21	.88
41 POLYNOIDAE						1	1	1	.29	90.57	.17	.408	-.26	.60
42 GLOTTIDIA PYRAMIDATA			1				1	1	.29	90.86	.17	.408	-.26	.60
43 AEDICIRA BELGICAL		1					1	1	.29	91.14	.17	.408	-.26	.60
44 PARAPONIDES LYRA					1		1	1	.29	91.43	.17	.408	-.26	.60
45 LIMA PELLUCIDA						1	1	1	.29	91.71	.17	.408	-.26	.60
46 POLYDORA LIGNI		1					1	1	.29	92.00	.17	.408	-.26	.60
47 ARICIOEA WASSI			1				1	1	.29	92.29	.17	.408	-.26	.60
48 MAJIDAE					1		1	1	.29	92.57	.17	.408	-.26	.60
49 ASYCHIS SP		1					1	1	.29	92.86	.17	.408	-.26	.60
50 SIRENELAIS SP		1					1	1	.29	93.14	.17	.408	-.26	.60
51 ANPHARETIIDAE						1	1	1	.29	93.43	.17	.408	-.26	.60
52 MAGELONA PHYLLISAE		1					1	1	.29	93.71	.17	.408	-.26	.60
53 OKENIA FUSIFORMIS			1				1	1	.29	94.00	.17	.408	-.26	.60
54 ATRINA SEMINUDA		1					1	1	.29	94.29	.17	.408	-.26	.60

55	CIRROPHORUS BRANCHIATUS				1	1	1	.29	94.57	.17	.408	-.26	.60
56	CIRRATULID SPA				1	1	1	.29	94.86	.17	.408	-.26	.60
57	AUTOMATE EVERMANNI	1				1	1	.29	95.14	.17	.408	-.26	.60
58	PLATYHELMINTHES		1			1	1	.29	95.43	.17	.408	-.26	.60
59	LOVENELLA GRANDIS			1		1	1	.29	95.71	.17	.408	-.26	.60
60	THALYX ANNULOSUS				1	1	1	.29	96.00	.17	.408	-.26	.60
61	SIPUNCULA			1		1	1	.29	96.29	.17	.408	-.26	.60
62	VOLVULELLA TEXASIANA				1	1	1	.29	96.57	.17	.408	-.26	.60
63	SPIOPHANES SPA				1	1	1	.29	96.86	.17	.408	-.26	.60
64	AMPELISCA AGASSIZI				1	1	1	.29	97.14	.17	.408	-.26	.60
65	AMPHARETE ACUTIFRONS			1		1	1	.29	97.43	.17	.408	-.26	.60
66	DIOPATRA TRIDENTATA	1				1	1	.29	97.71	.17	.408	-.26	.60
67	ARICIDEA TAYLORI				1	1	1	.29	98.00	.17	.408	-.26	.60
68	AMPHARETE PARVIDENTATA				1	1	1	.29	98.29	.17	.408	-.26	.60
69	AMPELISCA VERRILLI	1				1	1	.29	98.57	.17	.408	-.26	.60
70	HIPPOMEDON CF SERRATUS				1	1	1	.29	98.86	.17	.408	-.26	.60
71	ONUPHIS SPD		1			1	1	.29	99.14	.17	.408	-.26	.60
72	NEPHTHYIDAE			1		1	1	.29	99.43	.17	.408	-.26	.60
73	CUMACEAN SPH	1				1	1	.29	99.71	.17	.408	-.26	.60
74	ASYCHIS ELONGATA		1			1	1	.29	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	23	29	35	13	34	22	
NO. OF INDIVIDUALS	59	51	71	31	106	32	350

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	11	74	350	5.8402	.9411	.6757

STATION 3 TRANSECT II PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL					95 PCI CONF LIM		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		STD	
1 SIGAMBRA TENTACULATA	3	1	1	4	5	3	17	6	10.97	10.97	2.83	1.602	1.15	4.51
2 PARANIS GRACILIS		1	4	2	1	2	10	5	6.45	17.42	1.67	1.366	.23	3.10
3 PITAR CURDATUS	1	1	1		3	3	9	5	5.81	23.23	1.50	1.225	.21	2.79
4 PARAPHIONOSPID PINNATA			2		4	2	8	3	5.16	28.39	1.33	1.633	-.38	3.05
5 NEMERTINEA		1	6		1		8	3	5.16	33.55	1.33	2.338	-1.12	3.79
6 ALTERNOCHELATA SPA	5		1		1		7	3	4.52	38.06	1.17	1.941	-.87	3.20
7 XENANTHURA BREVITELSON		1		2	2		5	3	3.23	41.29	.83	.983	-.20	1.87
8 THYASIRA PYGMAEA	1	1	2			1	5	4	3.23	44.52	.83	.753	.04	1.62
9 NEPHTYS INCISA			1		2	2	5	3	3.23	47.74	.83	.983	-.20	1.87
10 SIPUNCULA	1		2			1	4	3	2.58	50.32	.67	.816	-.19	1.52
11 COSSURA DELTA		1	1	1		1	4	4	2.58	52.90	.67	.516	.12	1.21
12 FALCIDENS SPA	1				1	2	4	3	2.58	55.48	.67	.816	-.19	1.52
13 ONUPHIDAE		1	3				4	2	2.58	58.06	.67	1.211	-.60	1.94
14 LUMBRINERIS PARVAPEDATA	1	1	1				3	3	1.94	60.00	.50	.540	-.07	1.07
15 DENTALIUM SOWERBYI	1	1	1				3	3	1.94	61.94	.50	.540	-.07	1.07
16 SCUTOPUS SPA	1			1	1		3	3	1.94	63.87	.50	.540	-.07	1.07
17 CIRRHATULIDAE						3	3	1	1.94	65.81	.50	1.225	-.79	1.79
18 NEPHTYIDAE	1			2			3	2	1.94	67.74	.50	.837	-.38	1.38
19 THARYX MARIONI			2		1		3	2	1.94	69.68	.50	.837	-.38	1.38
20 AMPELISCA SPA						3	3	1	1.94	71.61	.50	1.225	-.79	1.79
21 PARALACYDONIA PARADOXA				1	1		2	2	1.29	72.90	.33	.516	-.21	.88
22 SYLLIS SPC	1				1		2	2	1.29	74.19	.33	.516	-.21	.88
23 GLYCERA TESSELATA					1	1	2	2	1.29	75.48	.33	.516	-.21	.88
24 USTRACOD SPA					1	1	2	2	1.29	76.77	.33	.516	-.21	.88
25 PARANIS SPA		1				1	2	2	1.29	78.06	.33	.516	-.21	.88
26 PUECILUCHAETUS JOHNSONI			2				2	1	1.29	79.35	.33	.816	-.52	1.19
27 HETEROSPID LONGISSIMA			1				1	1	.65	80.00	.17	.408	-.26	.60
28 GYPTIS VITATA			1				1	1	.65	80.65	.17	.408	-.26	.60
29 ANOPLDACTYLUS PETIULATUS	1						1	1	.65	81.29	.17	.408	-.26	.60
30 CERATOCEPHALE OCOLATA			1				1	1	.65	81.94	.17	.408	-.26	.60
31 SARSIELLA CF GREYI				1			1	1	.65	82.58	.17	.408	-.26	.60
32 UPHELIDAE						1	1	1	.65	83.23	.17	.408	-.26	.60
33 MEDIOMASTUS CALIFORNIENSIS						1	1	1	.65	83.87	.17	.408	-.26	.60
34 SAHELLIDAE		1					1	1	.65	84.52	.17	.408	-.26	.60
35 TERREHELLIDAE		1					1	1	.65	85.16	.17	.408	-.26	.60
36 HULLDERMA SPD						1	1	1	.65	85.81	.17	.408	-.26	.60
37 BYBLIS CF AFFINIS					1		1	1	.65	86.45	.17	.408	-.26	.60
38 HIPPIMEDON CF SERRATUS					1		1	1	.65	87.10	.17	.408	-.26	.60
39 NUCULANA ACUTA						1	1	1	.65	87.74	.17	.408	-.26	.60
40 PARANIDAE	1						1	1	.65	88.39	.17	.408	-.26	.60
41 OLIVIDAE						1	1	1	.65	89.03	.17	.408	-.26	.60
42 CIRRHATULID SPA		1					1	1	.65	89.68	.17	.408	-.26	.60
43 BRYOZOA	1						1	1	.65	90.32	.17	.408	-.26	.60
44 GLYCINDE SOLITARIA	1						1	1	.65	90.97	.17	.408	-.26	.60
45 ARMANDIA MACULATA	1						1	1	.65	91.61	.17	.408	-.26	.60
46 HYALA SPA				1			1	1	.65	92.26	.17	.408	-.26	.60
47 SPIONIDAE			1				1	1	.65	92.90	.17	.408	-.26	.60
48 GONIADA MACULATA				1			1	1	.65	93.55	.17	.408	-.26	.60
49 PLATYHELMINTHES		1					1	1	.65	94.19	.17	.408	-.26	.60
50 SIMENELAIS HOA					1		1	1	.65	94.84	.17	.408	-.26	.60
51 TELLINIDAE					1		1	1	.65	95.48	.17	.408	-.26	.60
52 MALDANIDAE						1	1	1	.65	96.13	.17	.408	-.26	.60
53 NINUE NIGRIPES				1			1	1	.65	96.77	.17	.408	-.26	.60
54 SPIOPHARES LONGICIRRUS		1					1	1	.65	97.42	.17	.408	-.26	.60

55 TETRAGONODON SPA		1			1	1	.65	98.06	.17	.408	-.26	.60
56 THARYX ANNULOSUS			1		1	1	.65	98.71	.17	.408	-.26	.60
57 RANINOIDES LOUISTANENSIS	1				1	1	.65	99.35	.17	.408	-.26	.60
58 HARBANSUS PAUCICHELATUS		1			1	1	.65	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	17	14	23	11	20	20	
NO. OF INDIVIDUALS	23	14	30	17	31	32	155

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	II	50	155	5.2784	.9686	1.0000

STATION 4 TRANSECT II PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL					95 PCT		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF	LIM
1 APSEUDES SPA		75	1	1			77	3	25.93	25.93	12.83	30.459	-19.14	44.80
2 PARAPRIONOSPPIO PINNATA	1	7	2	6	12	12	40	6	13.47	39.39	6.67	4.719	1.71	11.62
3 NEPHTYS INCISA	1	3	4	7	9	2	26	6	8.75	40.15	4.33	3.077	1.10	7.56
4 AMPELISCA AGASSIZI			4	1	16	1	22	4	7.41	55.56	3.67	6.218	-2.86	10.19
5 LISTRIELLA BARNARDI		19					19	1	6.40	61.95	3.17	7.757	-4.97	11.31
6 EUDORELLA MONODON		2	1	2	7		12	4	4.04	65.99	2.00	2.608	-.74	4.74
7 PARANIS GRACILIS	1	2		6	1	1	11	5	3.70	69.70	1.83	2.137	-.41	4.08
8 AMPELISCA ABDITA	2		1	4	2	1	10	5	3.37	73.06	1.67	1.366	.23	3.10
9 MEDIOMASTUS CALIFORNIENSIS	2	1	1	2	1	3	10	6	3.37	76.43	1.67	.816	.81	2.52
10 SPIONIDAE		2		3	2	2	9	4	3.03	79.46	1.50	1.225	.21	2.79
11 CORBULA SAFTIANA		7	1	1			9	3	3.03	82.49	1.50	2.739	-1.37	4.37
12 LUMBRINERIS PARVAPEDATA		1	1	2	4		8	4	2.69	85.19	1.33	1.506	-.25	2.91
13 NEMERTINEA	1		2	2	1	1	7	5	2.36	87.54	1.17	.753	.38	1.96
14 COSSURA DELTA	3	1	1			1	6	4	2.02	89.56	1.00	1.095	-.15	2.15
15 AMPELISCA VERRILLI				2	1	1	4	3	1.35	90.91	.67	.816	-.19	1.52
16 NOTOMASTUS CF LATERICEUS				1	2		3	2	1.01	91.92	.50	.837	-.38	1.38
17 MAGELONA LUNGICORNIS			1		1	1	3	3	1.01	92.93	.50	.548	-.07	1.07
18 ARMANDIA MACULATA	1	2					3	2	1.01	93.94	.50	.837	-.38	1.38
19 THARYX MARIONI			1	1			2	2	.67	94.61	.33	.516	-.21	.88
20 ONUPHIS SPD				1		1	2	2	.67	95.29	.33	.516	-.21	.88
21 SIGAMBRA TENTACULATA				1	1		2	2	.67	95.96	.33	.516	-.21	.88
22 VOLVULELLA TEXASIANA			1			1	2	2	.67	96.63	.33	.516	-.21	.88
23 ORILONEREIS MAGNA				1	1		2	2	.67	97.31	.33	.516	-.21	.88
24 CINROPHORUS LYRIFORMIS			1	1			2	2	.67	97.98	.33	.516	-.21	.88
25 PARANIDAE						1	1	1	.34	98.32	.17	.408	-.26	.60
26 CERIANTHARIA	1						1	1	.34	98.65	.17	.408	-.26	.60
27 ANCISTRUSYLLIS JONESI				1			1	1	.34	98.99	.17	.408	-.26	.60
28 LEPTOCHEIRUS SP		1					1	1	.34	99.33	.17	.408	-.26	.60
29 NINOE NIGRIPES						1	1	1	.34	99.66	.17	.408	-.26	.60
30 MAGELONA ROSEA		1					1	1	.34	100.00	.17	.408	-.26	.60

NO. OF SPECIES	9	14	15	20	15	15	
NO. OF INDIVIDUALS	13	124	23	46	61	30	297

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	II	30	297	3.8623	.8908	.7333

STATION 5 TRANSECT II PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL					STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		CONF	LIM
1 THYASIRA SPA	8		6	9	22	3	48	5	31.17	31.17	8.00	7.616	.81	15.99
2 PITAR CORDATUS	1		5	1	7	4	18	5	11.69	42.86	3.00	2.757	.11	5.89
3 COSSURA DELIA	2			1	6	1	10	4	6.49	49.35	1.67	2.251	-.70	4.03
4 PARAONIS SPA	1	1	1	2	1	4	10	6	6.49	55.84	1.67	1.211	.40	2.94
5 PARAPRIONOSPIO PINNATA	1	1			3		5	3	3.25	59.09	.83	1.169	-.39	2.06
6 MAGELONA LONGICORNIS				1	3	1	5	3	3.25	62.34	.83	1.169	-.39	2.06
7 SIGAMBRA TENTACULATA	1	1			2		4	3	2.60	64.94	.67	.816	-.19	1.52
8 PARAONIS GRACILIS	1	1		1	1		4	4	2.60	67.53	.67	.816	-.12	1.21
9 NEPHTYS INCISA	1		1		2		4	3	2.60	70.13	.67	.816	-.19	1.52
10 NEMERTINEA			1	1	2		4	3	2.60	72.73	.67	.816	-.19	1.52
11 OPHIUROIDEA	1	1	1				3	3	1.95	74.68	.50	.548	-.07	1.07
12 SCUTOPIUS SPA	1		1		1		3	3	1.95	76.62	.50	.548	-.07	1.07
13 DENTALIUM SOMERBYI	1				2		3	2	1.95	78.57	.50	.837	-.38	1.38
14 LUMBINERIS PARVAPEDATA	2						2	1	1.30	79.87	.33	.816	-.52	1.19
15 SPIOPHANES LONGICIRRUS				1	1		2	2	1.30	81.17	.33	.516	-.21	.88
16 NYALA SPA				1		1	2	2	1.30	82.47	.33	.516	-.21	.88
17 AMPHARETE AMERICANA					2		2	1	1.30	83.77	.33	.816	-.52	1.19
18 SKOZSBERGIA CF LERNERI				1			1	1	.65	84.42	.17	.408	-.26	.60
19 PECTINIDAE						1	1	1	.65	85.06	.17	.408	-.26	.60
20 RISSOINA CANCELLATA				1			1	1	.65	85.71	.17	.408	-.26	.60
21 ASYCHIS SP				1			1	1	.65	86.36	.17	.408	-.26	.60
22 POLYDORA CF SOCIALIS				1			1	1	.65	87.01	.17	.408	-.26	.60
23 CAPRELLID					1		1	1	.65	87.66	.17	.408	-.26	.60
24 PHYLLODOCE MUCOSA				1			1	1	.65	88.31	.17	.408	-.26	.60
25 PARAGNIDAE						1	1	1	.65	88.96	.17	.408	-.26	.60
26 STERNASPIS SCUTATA				1			1	1	.65	89.61	.17	.408	-.26	.60
27 TELLINIDAE				1			1	1	.65	90.26	.17	.408	-.26	.60
28 NEREID(NICON) SPA				1			1	1	.65	90.91	.17	.408	-.26	.60
29 DRILONEREIS MAGNA	1						1	1	.65	91.56	.17	.408	-.26	.60
30 PARAMPHINOME PULCHELLA					1		1	1	.65	92.21	.17	.408	-.26	.60
31 GLYCERA TESSLATA				1			1	1	.65	92.86	.17	.408	-.26	.60
32 MEGALOMMA CF QUADRIOCULATUM					1		1	1	.65	93.51	.17	.408	-.26	.60
33 RANINOIDES LAMARCKI						1	1	1	.65	94.16	.17	.408	-.26	.60
34 MALDANIDAE				1			1	1	.65	94.81	.17	.408	-.26	.60
35 RANINOIDES LOUISIANENSIS				1			1	1	.65	95.45	.17	.408	-.26	.60
36 SANGUINOLARIA SANGUINOLENTA				1			1	1	.65	96.10	.17	.408	-.26	.60
37 AMPHARETE PARVIDENTATA				1			1	1	.65	96.75	.17	.408	-.26	.60
38 CIRKATULID SPA				1			1	1	.65	97.40	.17	.408	-.26	.60
39 ONUPHIDAE				1			1	1	.65	98.05	.17	.408	-.26	.60
40 MEDIOMASTUS CALIFORNIENSIS				1			1	1	.65	98.70	.17	.408	-.26	.60
41 SPIOCHAETOPTERUS COSTARUM					1		1	1	.65	99.35	.17	.408	-.26	.60
42 ANOPLDACTYLUS PETIOLATUS		1					1	1	.65	100.00	.17	.408	-.26	.60

NO. OF SPECIES 13 5 9 16 26 9
 NO. OF INDIVIDUALS 22 5 18 25 67 17 154

STATION TRANSECT SPECIES INDIVIDUALS DIVERSITY PIE EQUITABILITY
 5 II 42 154 4.1189 .8788 .6198

STATION 6 TRANSECT 11 PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL				95 PCT			
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF	LIM
1 PARAONIS GRACILIS	16	17	7	18	8	3	69	6	10.00	10.00	11.50	6.205	4.90	10.10
2 MINUSPIO LONGIBRANCHIATA	13	1	10	9	24		65	5	10.17	20.97	10.83	9.453	.91	20.76
3 MEDIOMASTIUS CALIFORNIENSIS	4	7	6	8	8	6	39	6	6.10	27.07	6.50	1.517	4.91	8.09
4 PITAH CORDATUS	11		7	1	12	5	36	5	5.63	32.71	6.00	4.900	.77	11.23
5 SIGAMBRA TENTACULATA	8	7	4		10	4	33	5	5.16	37.87	5.50	3.564	1.76	9.24
6 THARYX ANNULOSUS	12	4	9	1	7		33	5	5.16	43.04	5.50	4.600	.59	10.41
7 RISSUINA CANCELLATA	6	1	2	3	17		29	5	4.54	47.57	4.83	6.306	-1.79	11.45
8 SPIONIDAE	2		16	2	1		21	4	3.29	50.86	3.50	6.189	-3.00	10.00
9 NEMERTINEA	4	3	5			6	19	5	2.97	53.83	3.17	2.317	.74	5.60
10 PARALACYDONIA PARADOXA	3		5		5	1	14	4	2.19	56.03	2.33	2.330	-.12	4.79
11 COSSURA DELTA	2	1	4		5	2	14	5	2.19	58.22	2.33	1.862	.38	4.29
12 PARAPRIONOSPID PINNATA	3	4	1		1	3	12	5	1.88	60.09	2.00	1.549	.37	3.63
13 SCUTOPIUS SPA	1	1	2		4	3	11	5	1.72	61.82	1.83	1.472	.29	3.38
14 CAPRELLID	2		6	1	1		10	4	1.56	63.30	1.67	2.251	-.70	4.03
15 PARAONIDES LYRA	2		6		1		9	3	1.41	64.79	1.50	2.345	-.96	3.96
16 LEPTOCHEIRUS SP	7				2		9	2	1.41	66.20	1.50	2.811	-1.45	4.45
17 ARICIDEA CF FRAGILIS		3		2		3	8	3	1.25	67.45	1.33	1.506	-.25	2.91
18 ARICIDEA JEFFREYSII	2		3		2		7	3	1.10	68.54	1.17	1.329	-.23	2.56
19 COBULA SWIFTIANA	4		1		2		7	3	1.10	69.64	1.17	1.602	-.51	2.85
20 THYASIRA PYGMAEA	1	1	3		2		7	4	1.10	70.74	1.17	1.169	-.06	2.39
21 HETEROPHOXUS CF OCOLATUS	5		1		1		7	3	1.10	71.83	1.17	1.941	-.07	3.20
22 SIPUNCULA	1	1	2	1	1		6	5	.94	72.77	1.00	.632	.34	1.66
23 AMPHARETE AMERICANA	4		1		1		6	3	.94	73.71	1.00	1.549	-.63	2.63
24 GNATHIA SP	5			1			6	2	.94	74.65	1.00	2.000	-1.10	3.10
25 GLYCERA PAPILLOSA	1		1		2	1	5	4	.78	75.43	.83	.753	.04	1.62
26 NEREIS SPA	3		1		1		5	3	.78	76.21	.83	1.169	-.39	2.06
27 LUMBRINERIS PARVAPDATA	2	1				2	5	3	.78	77.00	.83	.983	-.20	1.87
28 ARICIDEA NEOSUECICA			4				4	1	.63	77.62	.67	1.633	-1.05	2.30
29 HYALA SPA			3			1	4	2	.63	78.25	.67	1.211	-.60	1.94
30 PIONOSYLLIS CF EHLERSIAEFORMIS	4						4	1	.63	78.87	.67	1.633	-1.05	2.30
31 AMYGDALUM PAPHYRIUM			3		1		4	2	.63	79.50	.67	1.211	-.60	1.94
32 CIRRHATULID-U	1	1			2		4	3	.63	80.13	.67	.816	-.19	1.52
33 STERNASPIS SCUTATA		1	2			1	4	3	.63	80.75	.67	.816	-.19	1.52
34 NOTOMASTIUS CF LATERICEUS	4						4	1	.63	81.30	.67	1.633	-1.05	2.30
35 NEPHTYIDAE		1				2	3	2	.47	81.85	.50	.837	-.38	1.30
36 PHYLLODOCE MUCOSA		1		1	1		3	3	.47	82.32	.50	.548	-.07	1.07
37 THYASIRA SPA		1	1			1	3	3	.47	82.79	.50	.548	-.07	1.07
38 LUMBRINERIS SP			1	2			3	2	.47	83.26	.50	.837	-.38	1.30
39 POLYCHAETE SPA	1			1	1		3	3	.47	83.72	.50	.548	-.07	1.07
40 PARAMPHINOME PULCHELLA	3						3	1	.47	84.19	.50	1.225	-.79	1.79
41 POLYDORA CF HARTMANAE	2		1				3	2	.47	84.66	.50	.837	-.38	1.30
42 SPIOPHANES LONGICIRRUS				2	1		3	2	.47	85.13	.50	.837	-.38	1.30
43 SABELLIDAE	1		1		1		3	3	.47	85.60	.50	.548	-.07	1.07
44 ENIOPISA INCISA					2	1	3	2	.47	86.07	.50	.837	-.38	1.30
45 OPHELIIDAE		2		1			3	2	.47	86.54	.50	.837	-.38	1.30
46 CHAETOZONE SETOSA		1			2		3	2	.47	87.01	.50	.837	-.38	1.30
47 SPIOPHANES SPA	1		1				2	2	.31	87.32	.33	.516	-.21	.88
48 ONUPHIDAE	1				1		2	2	.31	87.64	.33	.516	-.21	.88
49 ARICIDEA TAYLORI	2						2	1	.31	87.95	.33	.816	-.52	1.19
50 NEMEID(NICON) SPA			1		1		2	2	.31	88.26	.33	.516	-.21	.88
51 NOTOMASTIUS CF AMERICANUS			1	1			2	2	.31	88.58	.33	.516	-.21	.88
52 GLYCERA TESSLATA	1		1				2	2	.31	88.89	.33	.516	-.21	.88
53 ALPHEUS AMBLYONYX			1	1			2	2	.31	89.20	.33	.516	-.21	.88
54 ABRA AEQUALIS			2				2	1	.31	89.51	.33	.816	-.52	1.19

55	BYHLIS CF AFFINIS				2	2	1	.31	89.03	.33	.816	-.52	1.19
56	ANADARA TRANSVERSA					2	2	.31	90.14	.33	.516	-.21	.88
57	APISTOBANCHUS TYPICUS	1	1			2	2	.31	90.45	.33	.516	-.21	.88
58	AEDICIRA BELGICAE			1	1	2	2	.31	90.77	.33	.516	-.21	.88
59	DENTALIUM SOWERBYI	1		1		2	2	.31	91.08	.33	.516	-.21	.88
60	TELLINIDAE	2				2	1	.31	91.39	.33	.816	-.52	1.19
61	THARYX SP				2	2	1	.31	91.71	.33	.816	-.52	1.19
62	PRIONOSPPIO STEENSTRUPI				2	2	1	.31	92.02	.33	.816	-.52	1.19
63	SPIOCHAETOPTERUS COSTARUM	1		1		2	2	.31	92.33	.33	.516	-.21	.88
64	HEMICYCLOPS SP	1	1			2	2	.31	92.64	.33	.516	-.21	.88
65	ANOPLDACTYLUS PETIOLATUS	1			1	2	2	.31	92.96	.33	.516	-.21	.88
66	CAULLERIELLA SPA	1		1		2	2	.31	93.27	.33	.516	-.21	.88
67	METAPHOXUS CF FREQUENS	1			1	2	2	.31	93.58	.33	.516	-.21	.88
68	STHENELAIS BOA		1	1		2	2	.31	93.90	.33	.516	-.21	.88
69	CALLIANASSA LATISPINA			1		1	1	.16	94.05	.17	.408	-.26	.60
70	OWENIA FUSIFORMIS	1				1	1	.16	94.21	.17	.408	-.26	.60
71	CIRRATULID SPA	1				1	1	.16	94.37	.17	.408	-.26	.60
72	EXOgone DISPAR	1				1	1	.16	94.52	.17	.408	-.26	.60
73	PARASTEROPE LATA			1		1	1	.16	94.68	.17	.408	-.26	.60
74	PHORONIDA			1		1	1	.16	94.84	.17	.408	-.26	.60
75	MONOCULOIDES SPC				1	1	1	.16	94.99	.17	.408	-.26	.60
76	HARHANSUS PAUCICHELATUS			1		1	1	.16	95.15	.17	.408	-.26	.60
77	NINOE NIGRIPES			1		1	1	.16	95.31	.17	.408	-.26	.60
78	LEPTOCHELA CF BERMUDENSIS			1		1	1	.16	95.46	.17	.408	-.26	.60
79	SPHAEROSYLLIS CF SUBLAEVIS	1				1	1	.16	95.62	.17	.408	-.26	.60
80	NEPHTYS INCISA			1		1	1	.16	95.77	.17	.408	-.26	.60
81	ANCISTHOSYLLIS GROENLANDICA				1	1	1	.16	95.93	.17	.408	-.26	.60
82	CALIFIA CF CALIDA	1				1	1	.16	96.09	.17	.408	-.26	.60
83	MEGALOMMA CF QUADRIOCULATUM	1				1	1	.16	96.24	.17	.408	-.26	.60
84	GONIADA MACULATA	1				1	1	.16	96.40	.17	.408	-.26	.60
85	ARMANDIA MACULATA			1		1	1	.16	96.56	.17	.408	-.26	.60
86	AMPELISCA VERRILLI				1	1	1	.16	96.71	.17	.408	-.26	.60
87	GLYCERA SP		1			1	1	.16	96.87	.17	.408	-.26	.60
88	SOLEMYA SPA			1		1	1	.16	97.03	.17	.408	-.26	.60
89	POLYCOPE SPA			1		1	1	.16	97.18	.17	.408	-.26	.60
90	THARYX MARIONI	1				1	1	.16	97.34	.17	.408	-.26	.60
91	AMAEANA ACCRAENSIS	1				1	1	.16	97.50	.17	.408	-.26	.60
92	CHAETOZONE GAYHEADIA			1		1	1	.16	97.65	.17	.408	-.26	.60
93	NEREIDAE		1			1	1	.16	97.81	.17	.408	-.26	.60
94	TANAID SPC	1				1	1	.16	97.97	.17	.408	-.26	.60
95	MAGELONA LONGICORNIS			1		1	1	.16	98.12	.17	.408	-.26	.60
96	PARAONIS SPA			1		1	1	.16	98.28	.17	.408	-.26	.60
97	SPIOPHANES WIGLEYI			1		1	1	.16	98.44	.17	.408	-.26	.60
98	ARICIDEA WASSI			1		1	1	.16	98.59	.17	.408	-.26	.60
99	NETAMELITA BARNARDI			1		1	1	.16	98.75	.17	.408	-.26	.60
100	ACHOCIRRIDAE			1		1	1	.16	98.90	.17	.408	-.26	.60
101	LAONICE CIRRATA	1				1	1	.16	99.06	.17	.408	-.26	.60
102	YOLDIA SOLENOIDES		1			1	1	.16	99.22	.17	.408	-.26	.60
103	CAUDUFOVEATA	1				1	1	.16	99.37	.17	.408	-.26	.60
104	PLATYHELMINTHES	1				1	1	.16	99.53	.17	.408	-.26	.60
105	PARDALISCIU SPA	1				1	1	.16	99.69	.17	.408	-.26	.60
106	PHILINE SAGHA			1		1	1	.16	99.84	.17	.408	-.26	.60
107	NUCULANA ACUTA			1		1	1	.16	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	59	24	44	26	43	31	
NO. OF INDIVIDUALS	168	63	141	64	141	62	639

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	II	107	639	5.4618	.9591	.6262

STATION 1 TRANSECT III PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
	1	2	3	4	5	6								
1 AMPELISCA AGASSIZI	53	82	190	62	63	31	481	6	58.59	58.59	80.17	56.297	21.08	139.26
2 AMPELISCA ABDITA	9	8	23	6	11	10	67	6	8.16	66.75	11.17	6.047	4.82	17.51
3 MEDIUMASTUS CALIFORNIENSIS	9	5	23	4	4	7	52	6	6.33	73.08	8.67	7.285	1.02	16.31
4 PARAPRIONOSPPIO PINNATA	5	1	9	8	8	5	36	6	4.38	77.47	6.80	2.966	2.89	9.11
5 NEMERTINEA	6	5	1	3	5	8	28	6	3.41	80.88	4.67	2.422	2.12	7.21
6 PHOTIS MACROMANUS	1	1	7	6	9	4	28	6	3.41	84.29	4.67	3.266	1.24	8.09
7 NOTOMASTUS CF LATERICEUS	1	2	4	5	7	1	20	6	2.44	86.72	3.33	2.422	.79	5.88
8 NEREID(NICON) SPA	2	1	2	4	1	1	11	6	1.34	88.06	1.83	1.169	.61	3.06
9 COSSURA DELTA			4	2		5	11	3	1.34	89.40	1.83	2.229	-.51	4.17
10 NEPHTYS INCISA	1	1	2	2	1	1	8	6	.97	90.38	1.33	.516	.79	1.88
11 SIGAMBRA TENTACULATA		1	2	2	2		7	4	.85	91.23	1.17	.983	.13	2.20
12 ARMANDIA MACULATA			2	2		2	6	3	.73	91.96	1.00	1.095	-.15	2.15
13 NINOE NIGRIPES			3	1	1	1	6	4	.73	92.69	1.00	1.095	-.15	2.15
14 PRIONOSPPIO CRISTATA			4		1		5	2	.61	93.30	.83	1.602	-.85	2.51
15 PARANIS GRACILIS			1	1		3	5	3	.61	93.91	.83	1.169	-.39	2.06
16 MAGELONA LONGICORNIS		1	1	2			4	3	.49	94.40	.67	.816	-.19	1.52
17 MAGELONA PHYLLISAE	1		2			1	4	3	.49	94.88	.67	.816	-.19	1.52
18 SIPUNCULA			4				4	1	.49	95.37	.67	1.633	-1.05	2.38
19 MALACOCEROS VANDERHORSTI		2			1		3	2	.37	95.74	.50	.837	-.38	1.38
20 AEDICIRA BELGICAE			2		1		3	2	.37	96.10	.50	.837	-.38	1.38
21 CERANTHARIA	1				1		2	2	.24	96.35	.33	.516	-.21	.88
22 LUMBRINERIS PARVAPDATA		2					2	1	.24	96.59	.33	.816	-.52	1.19
23 HYALA SPA						2	2	1	.24	96.83	.33	.816	-.52	1.19
24 AMPHARETE ACUTIFRONS					1	1	2	2	.24	97.08	.33	.516	-.21	.88
25 MINUSPIO CIRRIFERA	2						2	1	.24	97.32	.33	.816	-.52	1.19
26 OPHIUROIDEA	1						1	1	.12	97.44	.17	.408	-.26	.60
27 ARICIDEA JEFFREYSII		1					1	1	.12	97.56	.17	.408	-.26	.60
28 NEPHTYIDAE		1					1	1	.12	97.69	.17	.408	-.26	.60
29 VITRINELLIDAE		1					1	1	.12	97.81	.17	.408	-.26	.60
30 MAGELONA ROSEA				1			1	1	.12	97.93	.17	.408	-.26	.60
31 ABRA AEQUALIS						1	1	1	.12	98.05	.17	.408	-.26	.60
32 ANADARA TRANSVERSA				1			1	1	.12	98.17	.17	.408	-.26	.60
33 SPIOPHANES SPA					1		1	1	.12	98.29	.17	.408	-.26	.60
34 LOVENELLA GRANDIS			1				1	1	.12	98.42	.17	.408	-.26	.60
35 NUCULANA CONCENTRICA	1						1	1	.12	98.54	.17	.408	-.26	.60
36 DRILONEREIS MAGNA					1		1	1	.12	98.66	.17	.408	-.26	.60
37 ANCISTROSYLLIS PAPILLOSA		1					1	1	.12	98.78	.17	.408	-.26	.60
38 SPIONIDAE			1				1	1	.12	98.90	.17	.408	-.26	.60
39 SPIOPHANES LONGICIRRHUS						1	1	1	.12	99.03	.17	.408	-.26	.60
40 VOLVULELLA TEXASIANA			1				1	1	.12	99.15	.17	.408	-.26	.60
41 GONIADIDAE				1			1	1	.12	99.27	.17	.408	-.26	.60
42 SIGAMBRA BASSI	1						1	1	.12	99.39	.17	.408	-.26	.60
43 STHENELAIS ROA			1				1	1	.12	99.51	.17	.408	-.26	.60
44 TEREBRIDAE					1		1	1	.12	99.63	.17	.408	-.26	.60
45 GYPTIS VITTATA			1				1	1	.12	99.76	.17	.408	-.26	.60
46 EUDORELLA MONODON		1					1	1	.12	99.88	.17	.408	-.26	.60
47 TRACHYPENAEUS SIMILIS						1	1	1	.12	100.00	.17	.408	-.26	.60

NO. OF SPECIES 15 18 24 18 19 19
 NO. OF INDIVIDUALS 94 117 291 113 120 86 821

STATION 1 TRANSECT III SPECIES 47 INDIVIDUALS 821 DIVERSITY 2.6847 PIE .6412 EQUITABILITY .1915

STATION 2 TRANSECT III PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL		PERCENT	ACC PCT	MEAN	STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR					CONF	LIM
1 COSSURA DELTA	1	6	1	1	1	2	12	6	10.71	10.71	2.00	2.000	-.10	4.10
2 PIIAR CORDATUS		6	1	3	1	1	11	4	9.82	20.54	1.83	2.317	-.60	4.26
3 PARANIS GRACILIS			2	4			7	3	6.25	26.79	1.17	1.602	-.51	2.85
4 PARAPRIONOSPIO PINNATA			1	4		1	6	3	5.36	32.14	1.00	1.549	-.63	2.63
5 NEMERTINEA	2	1		2			5	3	4.46	36.61	.83	.903	-.20	1.87
6 NEPHIYS INCISA	2				1	2	5	3	4.46	41.07	.83	.903	-.20	1.87
7 MAGELONA LONGICORNIS		1	2			2	5	3	4.46	45.54	.83	.903	-.20	1.87
8 EUDORELLA MONODON		1		2		1	4	3	3.57	49.11	.67	.816	-.19	1.52
9 CORRULA SWIFTIANA					2	1	3	2	2.68	51.79	.50	.837	-.30	1.30
10 PARANIS SPA	1		1			1	3	3	2.68	54.46	.50	.548	-.07	1.07
11 ARMANDIA MACULATA		2			1		3	2	2.68	57.14	.50	.837	-.30	1.30
12 OSTRACOD SPD			1	1		1	3	3	2.68	59.82	.50	.548	-.07	1.07
13 DRILONEREIS MAGNA		2			1		3	2	2.68	62.50	.50	.837	-.30	1.30
14 SPIOPHANES LONGICIRRUS		1				1	2	2	1.79	64.29	.33	.516	-.21	.80
15 PHORONIDA	1	1					2	2	1.79	66.07	.33	.516	-.21	.80
16 POLYCHAETE SPA	1				1		2	2	1.79	67.86	.33	.516	-.21	.80
17 PARANIDES LYRA	1			1			2	2	1.79	69.64	.33	.516	-.21	.80
18 LUMBRINERIS PARVAPEDATA		1		1			2	2	1.79	71.43	.33	.516	-.21	.80
19 SPIOPHANES SPA			1	1	1		2	2	1.79	73.21	.33	.516	-.21	.80
20 MEDIUMASTUS CALIFORNIENSIS	1			1			2	2	1.79	75.00	.33	.516	-.21	.80
21 AMPHARETIDAE				1		1	2	2	1.79	76.79	.33	.516	-.21	.80
22 THARYX ANNULOSUS				1			1	1	.89	77.68	.17	.408	-.26	.60
23 MALACOCERUS VANDERHORSTI		1					1	1	.89	78.57	.17	.408	-.26	.60
24 PARAMPHINOME PULCHELLA			1				1	1	.89	79.46	.17	.408	-.26	.60
25 MAGELONA PHYLLISAE	1						1	1	.89	80.36	.17	.408	-.26	.60
26 HETEROSPIO LONGISSIMA			1				1	1	.89	81.25	.17	.408	-.26	.60
27 HIPPOMEDON CF SERRATUS						1	1	1	.89	82.14	.17	.408	-.26	.60
28 CIRRHATULIDAE						1	1	1	.89	83.04	.17	.408	-.26	.60
29 NOTOMASTUS CF LATERICEUS						1	1	1	.89	83.93	.17	.408	-.26	.60
30 BATEA SP						1	1	1	.89	84.82	.17	.408	-.26	.60
31 ANOPLUDACTYLUS PETIOLATUS		1					1	1	.89	85.71	.17	.408	-.26	.60
32 SIGAMMA HASSI	1						1	1	.89	86.61	.17	.408	-.26	.60
33 SIGAMMA TENTACULATA		1					1	1	.89	87.50	.17	.408	-.26	.60
34 AMPHARETE PARVIDENTATA				1			1	1	.89	88.39	.17	.408	-.26	.60
35 EXOGONE DISPAR				1			1	1	.89	89.29	.17	.408	-.26	.60
36 AMPELISCA AGASSIZI						1	1	1	.89	90.18	.17	.408	-.26	.60
37 ASYCHIS SP					1		1	1	.89	91.07	.17	.408	-.26	.60
38 SIPUNCULA						1	1	1	.89	91.96	.17	.408	-.26	.60
39 LISTRIELLA BARNARDI		1					1	1	.89	92.86	.17	.408	-.26	.60
40 NEREID(NICON) SPA					1		1	1	.89	93.75	.17	.408	-.26	.60
41 OPHIUROIDEA						1	1	1	.89	94.64	.17	.408	-.26	.60
42 NYALA SPA				1			1	1	.89	95.54	.17	.408	-.26	.60
43 TELLINIDAE				1			1	1	.89	96.43	.17	.408	-.26	.60
44 ECHINOIDEA				1			1	1	.89	97.32	.17	.408	-.26	.60
45 OSTRACOD SPY				1			1	1	.89	98.21	.17	.408	-.26	.60
46 SCUTOPUS SPA				1			1	1	.89	99.11	.17	.408	-.26	.60
47 PINNOTHERIDAE				1			1	1	.89	100.00	.17	.408	-.26	.60

NO. OF SPECIES 10 14 9 21 9 19
 NO. OF INDIVIDUALS 12 26 11 31 10 22 112

STATION 2 TRANSECT III SPECIES 47 INDIVIDUALS 112 DIVERSITY 5.0400 PTE .9653 EQUITABILITY 1.0213

STATION 3 TRANSECT III PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL					95 PCT CONF LIM		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		STD	
1 PARAPRIONOSPIU PINNATA	6		2	1	2	2	13	5	7.51	7.51	2.17	2.041	.02	4.31
2 SIGAMBRA TENTACULATA	4	1			3	4	12	4	6.94	14.45	2.00	1.897	.01	3.99
3 NEMERTINEA	2	3	4			3	12	4	6.94	21.39	2.00	1.673	.24	3.76
4 ALTERNOCHELATA SPA	2	3		3	2	1	11	5	6.36	27.75	1.83	1.169	.61	3.06
5 PITAR CORDATUS	5	3		2		1	11	4	6.36	34.10	1.83	1.941	-.20	3.87
6 AGLAOPHAMUS CIRCINATA	4	1		2	1	1	9	5	5.20	39.31	1.50	1.378	.05	2.95
7 THYASIRA PYGMAEA	3			2	2	2	9	4	5.20	44.51	1.50	1.225	.21	2.79
8 PARANIS GRACILIS		2	1		1	3	7	4	4.05	48.55	1.17	1.169	-.06	2.39
9 DENTALIUM SOWERHYI	3	1	1				5	3	2.89	51.45	.83	1.169	-.39	2.06
10 STERNASPIS SCUTATA	3		2				5	2	2.89	54.34	.83	1.329	-.56	2.23
11 SIPUNCULA		2		1		1	4	3	2.31	56.65	.67	.816	-.19	1.52
12 PARANIS SPA		1				2	3	2	1.73	58.38	.50	.837	-.38	1.38
13 NEMPTYS INCISA	2		1				3	2	1.73	60.12	.50	.837	-.38	1.38
14 SANGUINOLARIA SANGUINOLENTA		1			2		3	2	1.73	61.85	.50	.837	-.38	1.38
15 XENANTHURA BREVITELSON		1	2				3	2	1.73	63.58	.50	.837	-.38	1.38
16 SPIOPHANES LONGICIRRUS				2	1		3	2	1.73	65.32	.50	.837	-.38	1.38
17 THYASIRA SPA					3		3	1	1.73	67.05	.50	1.225	-.79	1.79
18 NINOE NIGRIPES		1				2	3	2	1.73	68.79	.50	.837	-.38	1.38
19 COSSURA DELTA	1					1	2	2	1.16	69.94	.33	.516	-.21	.88
20 AEDICIRA HELGICAE		1			1		2	2	1.16	71.10	.33	.516	-.21	.88
21 TEREBELLIDES STROEMII			1		1		2	2	1.16	72.25	.33	.516	-.21	.88
22 OMENIA FUSIFORMIS			1			1	2	2	1.16	73.41	.33	.516	-.21	.88
23 SYLLIS SPC	1					1	2	2	1.16	74.57	.33	.516	-.21	.88
24 ONUPHIS SPC	2						2	1	1.16	75.72	.33	.816	-.52	1.19
25 FALCIDENS SPA	1		1				2	2	1.16	76.88	.33	.516	-.21	.88
26 NUCULANA ACUTA				1		1	2	2	1.16	78.03	.33	.516	-.21	.88
27 THARYX ANNULOSUS					2		2	1	1.16	79.19	.33	.816	-.52	1.19
28 STHENELETS ROA	1					1	2	2	1.16	80.35	.33	.516	-.21	.88
29 HYALA SPA					2		2	1	1.16	81.50	.33	.816	-.52	1.19
30 PARALACYDONIA PARADOXA		1				1	2	2	1.16	82.66	.33	.516	-.21	.88
31 POECILOCHAETUS JOHNSONI		1					1	1	.58	83.24	.17	.408	-.26	.60
32 BYHLIS CF AFFINIS	1						1	1	.58	83.82	.17	.408	-.26	.60
33 HETEROPHUXUS CF OCULATUS	1						1	1	.58	84.39	.17	.408	-.26	.60
34 ANCISTROSYLLIS GROENLANDICA		1					1	1	.58	84.97	.17	.408	-.26	.60
35 LEPADOMORPHA	1						1	1	.58	85.55	.17	.408	-.26	.60
36 ARMANDIA MACULATA	1						1	1	.58	86.13	.17	.408	-.26	.60
37 ANOPLDACTYLUS PETIOLATUS	1						1	1	.58	86.71	.17	.408	-.26	.60
38 GLYCERA TESSELATA				1			1	1	.58	87.28	.17	.408	-.26	.60
39 CUSPIDARIA MEDIA					1		1	1	.58	87.86	.17	.408	-.26	.60
40 MOIRA ATROPOS		1					1	1	.58	88.44	.17	.408	-.26	.60
41 ONUPHIS SPA						1	1	1	.58	89.02	.17	.408	-.26	.60
42 MALDANIDAE						1	1	1	.58	89.60	.17	.408	-.26	.60
43 AMPHARETIIDAE					1		1	1	.58	90.17	.17	.408	-.26	.60
44 OSTRACOD SPD					1		1	1	.58	90.75	.17	.408	-.26	.60
45 ECHINODERMATA				1			1	1	.58	91.33	.17	.408	-.26	.60
46 SEGUENZIA MONOCINGULATA						1	1	1	.58	91.91	.17	.408	-.26	.60
47 SPIONIDAE	1						1	1	.58	92.49	.17	.408	-.26	.60
48 VOLVULELLA TEXASIANA	1						1	1	.58	93.06	.17	.408	-.26	.60
49 CHLOEIA VIRIDIS		1					1	1	.58	93.64	.17	.408	-.26	.60
50 DIPLODONTA SPA		1					1	1	.58	94.22	.17	.408	-.26	.60
51 THARYX MARIONI			1				1	1	.58	94.80	.17	.408	-.26	.60
52 CALLIANASSA LATISPINA				1			1	1	.58	95.38	.17	.408	-.26	.60
53 GONIADA MACULATA				1			1	1	.58	95.95	.17	.408	-.26	.60
54 CIRRATULIDAE				1			1	1	.58	96.53	.17	.408	-.26	.60

55 NATICIDAE				1	1	1	.58	97.11	.17	.408	-.26	.60
56 HARBANSUS PAUCICHELATUS	1				1	1	.58	97.69	.17	.408	-.26	.60
57 UNUPHIDAE				1	1	1	.58	98.27	.17	.408	-.26	.60
58 PLATYHELMINTHES			1		1	1	.58	98.84	.17	.408	-.26	.60
59 SPIOPHANES SPA	1				1	1	.58	99.42	.17	.408	-.26	.60
60 AMPELISCA ADDITA	1				1	1	.58	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	25	19	11	14	16	22	
NO. OF INDIVIDUALS	50	27	17	20	26	33	173

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	III	60	173	5.2730	.9683	.9833

STATION 4 TRANSECT III PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL				95 PCT			
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF	LIM
1 MAGELONA PHYLLISAE	150	199	145	167	225	174	1060	6	23.05	23.05	170.00	29.244	147.31	200.69
2 MEDIUMASTUS CALIFORNIENSIS	100	56	105	69	62	101	501	6	10.01	33.06	83.50	23.654	50.67	100.33
3 LUMBRINERIS PARVAPEDATA	87	79	127	100	30	55	406	6	10.49	44.35	81.00	31.755	47.67	110.33
4 THARYX ANNULOSUS	39	29		45	56	22	191	5	4.12	40.47	31.03	19.631	11.23	52.44
5 PARAUNIDES LYRA	34	36	24	21	13	55	103	6	3.95	52.42	30.50	14.707	15.06	45.94
6 SPIOPHANES HOMRYX	20	26	5	22	29	34	136	6	2.93	55.35	22.67	9.993	12.10	33.16
7 POLYCHAETE SPA	42	7		10	21	33	113	5	2.44	57.79	10.03	16.216	1.01	35.05
8 DIPLUDONTA CF SOROR	8	29	44	10	13		104	5	2.24	60.03	17.33	16.170	.36	34.31
9 APSEUDES SPA	7	8	65	13	3	3	99	6	2.14	62.17	16.50	24.040	-0.74	41.74
10 ARICIDEA TAYLORI	23	10	14	9	20	11	95	6	2.05	64.22	15.03	5.419	10.15	21.52
11 MAGELONA PETTIBONEAE	10	23	10	10	10	13	92	6	1.99	66.21	15.33	5.203	9.07	20.79
12 CORRULA SWIFTIANA	20	19	14	25	9		87	5	1.00	68.00	14.50	0.961	5.00	23.91
13 PRIONOSPION CRISTATA	16	8	19	12	9	10	82	6	1.77	69.05	13.67	4.676	0.76	10.57
14 COSSURA DELTA	15		26		9	14	64	4	1.30	71.23	10.67	9.953	.22	21.11
15 AMPELISCA AGASSIZI		1	53	2	4	1	61	5	1.32	72.55	10.17	21.020	-11.90	32.24
16 AGLAOPHAMUS VERRILLI	2	10	5	11	12	10	50	6	1.25	73.00	9.67	5.610	3.70	15.55
17 AMPELISCA SPB	16	2	20	2	5		53	5	1.14	74.95	8.03	10.990	-2.71	20.30
18 NEMERTINEA	11	8	10	11	3	4	47	6	1.01	75.96	7.03	3.545	4.11	11.55
19 ARICIDEA JEFFREYSII	10	8	7	8	6	6	45	6	.97	76.93	7.50	1.517	5.91	9.00
20 PARAONIS GRACILIS	10	2	0	10	6	5	41	6	.00	77.02	6.03	3.125	3.55	10.11
21 AGLAOPHAMUS CIRCINATA	3	12	2	0	0	4	37	6	.00	78.61	6.17	3.017	2.16	10.17
22 CLYMENELLA TORQUATA	7	13	1	12		2	35	5	.76	79.37	5.03	5.707	-.16	11.02
23 TELLINIDAE	7	3		0	10	6	34	5	.73	80.10	5.67	3.615	1.07	9.46
24 LUMBRINERIS TENUIS	10	0	6	3	4	2	33	6	.71	80.02	5.00	3.002	2.26	0.74
25 AMPELISCA VERRILLI	2	3	3	1	13	9	31	6	.67	81.40	5.17	4.750	.10	10.15
26 PARAUNIDAE		5		2	9	15	31	4	.67	82.15	5.17	5.913	-1.04	11.37
27 ARICIDEA WASSI	4	3	3	1	6	13	30	6	.65	82.00	5.00	4.243	.55	9.45
28 AEDICIRA BELGICAE	14	5	7		4		30	4	.65	83.45	5.00	5.215	-.47	10.47
29 TEREBELLIDES STROEMII	2	0	3	3	10	3	29	6	.63	84.07	4.03	3.312	1.36	0.31
30 AMAEANA TRILORATA	12		2	0		7	29	4	.63	84.70	4.03	4.916	-.33	9.99
31 SIPUNCULA	1	4	2	2	0	11	20	6	.60	85.30	4.67	3.903	.49	0.05
32 LISTRIELLA BARNARDI	6	6	1	5	9	1	20	6	.60	85.91	4.67	3.141	1.37	7.96
33 NEPHTYIDAE	10	9	6		2	1	20	5	.60	86.51	4.67	4.274	.10	9.15
34 AMPELISCA CF CRISTATA	4	4	13	1		2	24	5	.52	87.03	4.00	4.690	-.92	0.92
35 LUCINA AMIANTUS	2	2	6	1	10	1	22	6	.47	87.51	3.67	3.615	-.13	7.46
36 THARYX MARIONI		1	3		11	6	21	4	.45	87.96	3.50	4.324	-1.04	0.04
37 MINUSPIO CIRRIFFERA	6	4	6	4			20	4	.43	88.39	3.33	2.733	.47	6.20
38 ANADARA TRANSVERSA	1	14		2	3		20	4	.43	88.02	3.33	5.354	-2.29	0.95
39 GYPTIS VITTATA	2	11	1	2	1	2	19	6	.41	89.23	3.17	3.069	-.09	7.23
40 SPIONIDAE		4	0	1	3	2	10	5	.39	89.62	3.00	2.020	.03	5.97
41 NATICA CANRENA	5		2	3	7		17	4	.37	89.99	2.03	2.707	-.09	5.76
42 SYNCHELIDIUM CF AMERICANUM	6	1	2	1	4	2	16	6	.35	90.33	2.67	1.966	.60	4.73
43 CYCLASPIS VARIANS	7	5	1		1	2	16	5	.35	90.60	2.67	2.733	-.20	5.53
44 MUNNA SP	1	9			4		14	3	.30	90.90	2.33	3.615	-1.46	6.13
45 NETAMELITA BARNARDI	0	2	2			1	13	4	.20	91.26	2.17	2.994	-.90	5.31
46 SIGAMBRA TENTACULATA	1	2	0		1		12	4	.26	91.52	2.00	3.033	-1.10	5.10
47 DIOPATRA CUPREA		10		2			12	2	.26	91.70	2.00	4.040	-2.20	6.20
48 PARAPRIONOSPION PINNATA	4	1	2	1	2	2	12	6	.26	92.04	2.00	1.095	.05	3.15
49 NUCULA PROXIMA	2	3	6				11	3	.24	92.27	1.03	2.401	-.69	4.35
50 AUKA AFUALIS	2	5			2	1	10	4	.22	92.49	1.67	1.062	-.29	3.62
51 GLYCERA CAPITATA	5		3	2			10	3	.22	92.71	1.67	2.066	-.50	3.03
52 OXYUROSTYLIS SP	2		1	3	2	2	10	5	.22	92.92	1.67	1.033	.50	2.75
53 LUMBRINERIS JANUARI	2		4	2		2	10	4	.22	93.14	1.67	1.506	.09	3.25
54 CIRRIATULID-B	5	2			2	1	10	4	.22	93.35	1.67	1.062	-.29	3.62

55	CIRRHATULIDAE		3		6			9	2	.19	93.55	1.50	2.510	-1.13	4.13
56	CAULUS CAROLINENSIS	2	3		3	1		9	4	.19	93.74	1.50	1.370	.05	2.95
57	PANAMPHINOME PULCHELLA	1			4	1	2	8	4	.17	93.91	1.33	1.506	-.25	2.91
58	MUNOCULOIDES SPB	3	2		3			8	3	.17	94.09	1.33	1.506	-.25	2.91
59	HEMICYCLOPS SP	2	3	3				8	3	.17	94.26	1.33	1.506	-.25	2.91
60	TEKERRA PROTETIA	2	1		2	2	1	8	5	.17	94.43	1.33	.816	.40	2.19
61	LUCINA MULTILINEATA	1	1	1	1	1	2	7	6	.15	94.58	1.17	.408	.74	1.60
62	TENEHELLIDAE					7		7	1	.15	94.73	1.17	2.050	-1.03	4.17
63	ALUINEA GIBBESII					5	2	7	2	.15	94.89	1.17	2.041	-.98	3.31
64	PAKASTENOPE LATA	1	1	1	2	1	1	7	6	.15	95.04	1.17	.408	.74	1.60
65	EULIMA HEMPHILLI	1	1		3	2		7	4	.15	95.19	1.17	1.169	-.06	2.39
66	TELLINA VERSICOLOR	1	1	2	1	1		6	5	.13	95.32	1.00	.632	.34	1.66
67	AGLAOPHAMUS SP				6			6	1	.13	95.45	1.00	2.449	-1.57	3.57
68	ARICIDEA CF FRAGILIS				6			6	1	.13	95.58	1.00	2.449	-1.57	3.57
69	PAGURUS SP				6			6	1	.13	95.71	1.00	2.449	-1.57	3.57
70	PISTA CRISTATA		2	2	1		1	6	4	.13	95.84	1.00	.894	.06	1.94
71	MALDANIDAE		2		3		1	6	3	.13	95.96	1.00	1.265	-.33	2.33
72	SIMENELAIS BOA		3	2		1		6	3	.13	96.09	1.00	1.265	-.33	2.33
73	SPIOPHANES LONGICIRRUS				4		1	5	2	.11	96.20	.83	1.602	-.85	2.51
74	NOTOMASTUS CF LATERICEUS	1	2		2			5	3	.11	96.31	.83	.983	-.20	1.67
75	CALLIANASSA BIFORMIS		2	1	1	1		5	4	.11	96.42	.83	.753	.04	1.62
76	OPHIUROIDEA	1	4					5	2	.11	96.53	.83	1.602	-.85	2.51
77	ISOLDA PULCHELLA	1	1	2			1	5	4	.11	96.63	.83	.753	.04	1.62
78	ZANTHANIA		4			1		5	2	.11	96.74	.83	1.602	-.85	2.51
79	OWENIA FUSIFORMIS	2	3					5	2	.11	96.85	.83	1.329	-.56	2.23
80	AMPHILOCHUS SP		5					5	1	.11	96.96	.83	2.041	-1.31	2.98
81	OGYRIDES LIMICOLA						5	5	1	.11	97.07	.83	2.041	-1.31	2.98
82	CERATOCEPHALE OCOLATA			4		1		5	2	.11	97.17	.83	1.602	-.85	2.51
83	DIOPATRA CF NEOTRIDENS	1		2			1	4	3	.09	97.26	.67	.816	-.19	1.52
84	AMEANA ACCHAENSIS		3	1				4	2	.09	97.35	.67	1.211	-.60	1.94
85	CAPITELLIDAE		2		1	1		4	3	.09	97.43	.67	.816	-.19	1.52
86	HAPLUSCOLOPLOS FOLIOSUS				1	2		3	2	.06	97.50	.50	.837	-.38	1.38
87	PHOTIS SPB	1		2				3	2	.06	97.56	.50	.837	-.38	1.38
88	CALLIANASSA SP		3					3	1	.06	97.63	.50	1.225	-.79	1.79
89	DILONEREIS MAGNA	1		2				3	2	.06	97.69	.50	.837	-.38	1.38
90	PHURONIDA	2				1		3	2	.06	97.76	.50	.837	-.38	1.38
91	EUCERAMUS PHAELONGUS		3					3	1	.06	97.82	.50	1.225	-.79	1.79
92	TURRIDAE	1	1			1		3	3	.06	97.89	.50	.540	-.07	1.07
93	NAITICA SP		3					3	1	.06	97.95	.50	1.225	-.79	1.79
94	CHAETOZONE SETOSA				2			2	1	.04	97.99	.33	.816	-.52	1.19
95	TURRHONILLA PORTORICANA					2		2	1	.04	98.04	.33	.816	-.52	1.19
96	SCHISTOMERINGUS RUDOLPHI	1		1				2	2	.04	98.08	.33	.516	-.21	.88
97	PAKAMEIPELLA TEXENSIS		1		1			2	2	.04	98.12	.33	.516	-.21	.88
98	MERCENARIA CAMPECHIENSIS				1	1		2	2	.04	98.17	.33	.516	-.21	.88
99	MAGELONA ROSEA	1					1	2	2	.04	98.21	.33	.516	-.21	.88
100	URBINIIDAE				1	1		2	2	.04	98.25	.33	.516	-.21	.88
101	AUTOMATE SP		2					2	1	.04	98.30	.33	.816	-.52	1.19
102	NUCULANA ACUTA				1	1		2	2	.04	98.34	.33	.516	-.21	.88
103	PLATYHELMINTHES						2	2	1	.04	98.38	.33	.816	-.52	1.19
104	LEPTOCHELA SERRATORBITA	1				1		2	2	.04	98.42	.33	.516	-.21	.88
105	SCOLELEPIS SP				2			2	1	.04	98.47	.33	.816	-.52	1.19
106	ARMANDIA AGILIS		1			1		2	2	.04	98.51	.33	.516	-.21	.88
107	AMPHARETE ACUTIFRONS		2					2	1	.04	98.55	.33	.816	-.52	1.19
108	GLYCERA PAPILLOSA		2					2	1	.04	98.60	.33	.816	-.52	1.19
109	NEREID(NICOH) SPA		2					2	1	.04	98.64	.33	.816	-.52	1.19
110	NEREIS LAMELLOSA		2					2	1	.04	98.68	.33	.816	-.52	1.19
111	SAMYTHELLA ELIASONI				1	1		2	2	.04	98.73	.33	.516	-.21	.88
112	APOPHIUNUSPID PYGMAEA					2		2	1	.04	98.77	.33	.816	-.52	1.19
113	BATEA SP	1		1				2	2	.04	98.81	.33	.516	-.21	.88
114	PINNOTHERIDAE	1	1					2	2	.04	98.86	.33	.516	-.21	.88
115	CYCLASPIS SPB					2		2	1	.04	98.90	.33	.816	-.52	1.19
116	ALIGENA TEXASIANA		2					2	1	.04	98.94	.33	.816	-.52	1.19

117	PALEANIUS HETEROSEITA		2	2	1	.04	98.99	.33	.816	-.52	1.19
118	SINUM MACULATUM		1	1	1	.02	99.01	.17	.408	-.26	.60
119	SCULARICIA SPA	1		1	1	.02	99.03	.17	.408	-.26	.60
120	NASSARIUS ACUTUS		1	1	1	.02	99.05	.17	.408	-.26	.60
121	NOTMASTIUS CF AMERICANUS	1		1	1	.02	99.07	.17	.408	-.26	.60
122	CREPIDULA CF FORNICATA		1	1	1	.02	99.09	.17	.408	-.26	.60
123	TRACHYPENAEUS SP		1	1	1	.02	99.12	.17	.408	-.26	.60
124	ERICHTHONIAS BRASILIENSIS	1		1	1	.02	99.14	.17	.408	-.26	.60
125	MOIRA ATROPOS		1	1	1	.02	99.16	.17	.408	-.26	.60
126	SPHAEROSYLLIS CF SUBLAEVIS			1	1	.02	99.18	.17	.408	-.26	.60
127	SQUILLA EMPUSA		1	1	1	.02	99.20	.17	.408	-.26	.60
128	SPIOPHANES SPA	1		1	1	.02	99.22	.17	.408	-.26	.60
129	GRUHEULEPIS CF MEXICANUS	1		1	1	.02	99.24	.17	.408	-.26	.60
130	SARSIELLA SPF	1		1	1	.02	99.27	.17	.408	-.26	.60
131	CAULLERIELLA SPA		1	1	1	.02	99.29	.17	.408	-.26	.60
132	MICROSPID PIGMENTATA	1		1	1	.02	99.31	.17	.408	-.26	.60
133	CIRRHATULID SPA	1		1	1	.02	99.33	.17	.408	-.26	.60
134	GRUHEULEPIS SP	1		1	1	.02	99.35	.17	.408	-.26	.60
135	MAGELONA SP		1	1	1	.02	99.37	.17	.408	-.26	.60
136	TANAID SPC		1	1	1	.02	99.40	.17	.408	-.26	.60
137	MULINIA LATERALIS	1		1	1	.02	99.42	.17	.408	-.26	.60
138	EULIMA BIFASCIATA	1		1	1	.02	99.44	.17	.408	-.26	.60
139	ARMANDIA MACULATA		1	1	1	.02	99.46	.17	.408	-.26	.60
140	PERSEPHONA CRINITA	1		1	1	.02	99.48	.17	.408	-.26	.60
141	PODOCERPUS SP	1		1	1	.02	99.50	.17	.408	-.26	.60
142	ONUPHIS EREMITA	1		1	1	.02	99.53	.17	.408	-.26	.60
143	VENERIDAE		1	1	1	.02	99.55	.17	.408	-.26	.60
144	RUTIDERMA SPC			1	1	.02	99.57	.17	.408	-.26	.60
145	BRYOZOA		1	1	1	.02	99.59	.17	.408	-.26	.60
146	PYTHINELLA CUNEATA		1	1	1	.02	99.61	.17	.408	-.26	.60
147	NOTMASTIUS AMERICANUS		1	1	1	.02	99.63	.17	.408	-.26	.60
148	AMPHARETE AMERICANA		1	1	1	.02	99.65	.17	.408	-.26	.60
149	HEXAPANUPEUS ANGUSTIFRONS	1		1	1	.02	99.68	.17	.408	-.26	.60
150	XANTHIDAE		1	1	1	.02	99.70	.17	.408	-.26	.60
151	SCOLOPLOS RUBRA	1		1	1	.02	99.72	.17	.408	-.26	.60
152	OLIVA SAYANA			1	1	.02	99.74	.17	.408	-.26	.60
153	SICYONIA DORSALIS	1		1	1	.02	99.76	.17	.408	-.26	.60
154	ACTEON PUNCTOSTRIATUS		1	1	1	.02	99.78	.17	.408	-.26	.60
155	HARRANUS PAUCICHELATUS		1	1	1	.02	99.81	.17	.408	-.26	.60
156	SPIUCHAETOPTERUS COSTARUM		1	1	1	.02	99.83	.17	.408	-.26	.60
157	VULVOLELLA TEXASIANA		1	1	1	.02	99.85	.17	.408	-.26	.60
158	NEREIDAE		1	1	1	.02	99.87	.17	.408	-.26	.60
159	DINGENIDAE	1		1	1	.02	99.89	.17	.408	-.26	.60
160	OLIVELLA DEALHATA			1	1	.02	99.91	.17	.408	-.26	.60
161	SIRENELAIS LIMICOLA	1		1	1	.02	99.94	.17	.408	-.26	.60
162	LUMBRINERIS SP		1	1	1	.02	99.96	.17	.408	-.26	.60
163	ARABELLA MUTANS	1		1	1	.02	99.98	.17	.408	-.26	.60
164	TEREBRIDAE	1		1	1	.02	100.00	.17	.408	-.26	.60

NO. OF SPECIES
NO. OF INDIVIDUALS

80 93 67 79 75 63
825 812 846 711 743 697 4634

STATION TRANSECT SPECIES INDIVIDUALS DIVERSITY PIE EGUITABILITY
4 III 164 4634 4.9019 .9154 .2744

STATION 5 TRANSECT III PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL					95 PCT CONF LIM		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		STD	
1 PARAPRIONOSPIO PINNATA	6	6	2	3	13	8	38	6	14.29	14.29	6.33	3.933	2.21	10.46
2 EUDURELLA MONODON	6	2		3	7	7	25	5	9.40	23.68	4.17	2.927	1.09	7.24
3 NEPHIYS INCISA	3	6		4	5	6	24	5	9.02	32.71	4.00	2.280	1.61	6.39
4 LUMBRINERIS PARVAPEDATA	5	1	1	4	9	2	22	6	8.27	40.98	3.67	3.077	.44	6.98
5 HYALA SPA	1		1	16	3		21	4	7.89	48.87	3.50	6.221	-3.03	10.03
6 NOTOMASTUS CF LATERICEUS	3	1		3	5	3	15	5	5.64	54.51	2.50	1.761	.65	4.35
7 AMPELISCA ABDITA	2	1	3	3	3	1	13	6	4.89	59.40	2.17	.983	1.13	3.20
8 VITRINELLA FLORIDANA		2	1	6	4		13	4	4.89	64.29	2.17	2.401	-.35	4.69
9 COSSURA DELTA	3	1	1	2	2	1	10	6	3.76	68.05	1.67	.816	.81	2.52
10 NEMERTINEA		1		6	1	2	10	4	3.76	71.80	1.67	2.251	-.70	4.03
11 SPIONIDAE	1			1	7		9	3	3.38	75.19	1.50	2.739	-1.37	4.37
12 AMPELISCA VERRILLI	1			2	1	2	6	4	2.26	77.44	1.00	.894	.06	1.94
13 MAGELONA LONGICORNIS	1	1	1		1	2	6	5	2.26	79.70	1.00	.632	.34	1.66
14 MEDIUMASTUS CALIFORNIENSIS	1			3			4	2	1.50	81.20	.67	1.211	-.60	1.94
15 NEMEO(NICUM) SPA	1	2		1			4	3	1.50	82.71	.67	.816	-.19	1.52
16 ARMANDIA MACULATA	2			1			3	2	1.13	83.83	.50	.837	-.30	1.38
17 MINUSPIO CIRRIFERA				3			3	1	1.13	84.96	.50	1.225	-.79	1.79
18 NINOE NIGRIPES				1	1	1	3	3	1.13	86.09	.50	.548	-.07	1.07
19 PARAONIS SPA				1		1	2	2	.75	86.84	.33	.516	-.21	.88
20 ARICIDEA JEFFREYSII				2			2	1	.75	87.59	.33	.816	-.52	1.19
21 CINROPHORUS LYRIFORMIS				2			2	1	.75	88.35	.33	.816	-.52	1.19
22 MAGELONA ROSEA	1				1	1	2	2	.75	89.10	.33	.516	-.21	.88
23 SIGAMBRA TENTACULATA					1	1	2	2	.75	89.85	.33	.516	-.21	.88
24 PARAONIDAE						2	2	1	.75	90.60	.33	.816	-.52	1.19
25 DRILONEREIS MAGNA		1			1		2	2	.75	91.35	.33	.516	-.21	.88
26 NEPHYIDAE			2				2	1	.75	92.11	.33	.816	-.52	1.19
27 PARAONIS GRACILIS	1			1			2	2	.75	92.86	.33	.516	-.21	.88
28 MAGELONA PHYLLISAE	1						1	1	.38	93.23	.17	.408	-.26	.60
29 OPHIOGLYCERA CF DISTORTA					1		1	1	.38	93.61	.17	.408	-.26	.60
30 SYNHELIDIUM CF AMERICANUM				1			1	1	.38	93.98	.17	.408	-.26	.60
31 APSEUDES SPA	1						1	1	.38	94.36	.17	.408	-.26	.60
32 PARAONIDES LYRA				1			1	1	.38	94.74	.17	.408	-.26	.60
33 THARYX ANNULOSUS	1						1	1	.38	95.11	.17	.408	-.26	.60
34 CAPITELLIDAE						1	1	1	.38	95.49	.17	.408	-.26	.60
35 SPIOPHANES SPA				1			1	1	.38	95.86	.17	.408	-.26	.60
36 AMPHARETE ACUTIFRONS		1					1	1	.38	96.24	.17	.408	-.26	.60
37 AMPELISCA AGASSIZI		1					1	1	.38	96.62	.17	.408	-.26	.60
38 PINNOTHERIDAE				1			1	1	.38	96.99	.17	.408	-.26	.60
39 ALPHEUS FLORIDANUS				1			1	1	.38	97.37	.17	.408	-.26	.60
40 PRIONOSPIO CRISTATA				1			1	1	.38	97.74	.17	.408	-.26	.60
41 CORHULA SWIFTIANA				1			1	1	.38	98.12	.17	.408	-.26	.60
42 AEDICIRA BELGICAE	1						1	1	.38	98.50	.17	.408	-.26	.60
43 SCOLELEPTIS TEXANA	1						1	1	.38	98.87	.17	.408	-.26	.60
44 NUCULANA CONCENTRICA				1			1	1	.38	99.25	.17	.408	-.26	.60
45 OPHIUROIDEA				1			1	1	.38	99.62	.17	.408	-.26	.60
46 AUTOMATE EVERMANNI					1		1	1	.38	100.00	.17	.408	-.26	.60

NO. OF SPECIES 21 14 8 30 18 16
 NO. OF INDIVIDUALS 43 27 12 77 66 41 266

STATION 5 TRANSECT III SPECIES 46 INDIVIDUALS 266 DIVERSITY 4.5102 PIE EQUITABILITY .9385 .7609

STATION 6 TRANSECT III PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL					STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		CONF	LIM
1 SIPUNCULA	3	3	3	4	6	4	23	6	15.23	15.23	3.83	1.169	2.61	5.86
2 SIGAMHRA TENTACULATA	4	2	3		1	2	12	5	7.95	23.18	2.00	1.414	.52	3.48
3 PITAR CORDATUS		3	2		3	2	10	4	6.62	29.80	1.67	1.366	.23	3.10
4 CYCLOCARDIA ARMILLA		3		1	2	3	9	4	5.96	35.76	1.50	1.378	.05	2.95
5 PARANIS GRACILIS		2	2	1		2	7	4	4.64	40.40	1.17	.983	.13	2.20
6 IHYASIRA PYGMAEA			2		4		6	2	3.97	44.37	1.00	1.673	-.76	2.76
7 OSTRACOD SPA	1		1	2	2		6	4	3.97	48.34	1.00	.894	.06	1.94
8 NEMERTINEA		1	1	1	1		4	4	2.65	50.99	.67	.516	.12	1.21
9 PARAPRIONOSPIO PINNATA	2	1	1				4	3	2.65	53.64	.67	.816	-.19	1.52
10 ALTERNOCHELATA SPA	1		3				4	2	2.65	56.29	.67	1.211	-.60	1.94
11 DENTALIUM SOMERBYI		1	1			2	4	3	2.65	58.94	.67	.816	-.19	1.52
12 GNATHIA SP		4					4	1	2.65	61.59	.67	1.633	-1.05	2.38
13 HIPPOMEDON CF SERRATUS			3				3	1	1.99	63.58	.50	1.225	-.79	1.79
14 PHILOMEDES SPA		1	1			1	3	3	1.99	65.56	.50	.548	-.07	1.07
15 HETEROPHOXUS CF OCOLATUS				3			3	1	1.99	67.55	.50	1.225	-.79	1.79
16 NEPHTYIDAE	1				2		3	2	1.99	69.54	.50	.837	-.38	1.38
17 OSIRACOD SPY	1			1	1		3	3	1.99	71.52	.50	.548	-.07	1.07
18 NYALA SPA	1			2			3	2	1.99	73.51	.50	.837	-.38	1.38
19 SANGUINOLARIA SANGUINOLENTA			2				2	1	1.32	74.83	.33	.816	-.52	1.19
20 CIMMOPHORUS BRANCHIATUS			2				2	1	1.32	76.16	.33	.816	-.52	1.19
21 OSTRACOD SPD			1			1	2	2	1.32	77.48	.33	.516	-.21	.88
22 COSSURA DELTA	1		1				2	2	1.32	78.81	.33	.516	-.21	.88
23 TETRAGONODON SPA	2						2	1	1.32	80.13	.33	.816	-.52	1.19
24 CIRRHATULIDAE		1		1			2	2	1.32	81.46	.33	.516	-.21	.88
25 PARALACYDONIA PARADOXA			1				1	1	.66	82.12	.17	.408	-.26	.60
26 PARASTEROPE LATA	1						1	1	.66	82.78	.17	.408	-.26	.60
27 AMPELISCA AGASSIZI		1					1	1	.66	83.44	.17	.408	-.26	.60
28 ONUPHIS SPB	1						1	1	.66	84.11	.17	.408	-.26	.60
29 FALCIDENS SPA					1		1	1	.66	84.77	.17	.408	-.26	.60
30 PHYLLODOUCE MUCOSA						1	1	1	.66	85.43	.17	.408	-.26	.60
31 OSTRACOD SPMM		1					1	1	.66	86.09	.17	.408	-.26	.60
32 AUTOMATE EVERMANNI						1	1	1	.66	86.75	.17	.408	-.26	.60
33 NEPHTYS INCISA	1						1	1	.66	87.42	.17	.408	-.26	.60
34 TANAID SPI				1			1	1	.66	88.08	.17	.408	-.26	.60
35 MOIRA ATROPOS			1				1	1	.66	88.74	.17	.408	-.26	.60
36 SANSIELLA SPC					1		1	1	.66	89.40	.17	.408	-.26	.60
37 CALIFIA CF CALIDA		1					1	1	.66	90.07	.17	.408	-.26	.60
38 NUCULANA ACUTA					1		1	1	.66	90.73	.17	.408	-.26	.60
39 UNCIOLA SERRATA			1				1	1	.66	91.39	.17	.408	-.26	.60
40 STERNASPIS SCUTATA	1						1	1	.66	92.05	.17	.408	-.26	.60
41 PARANIS SPA		1					1	1	.66	92.72	.17	.408	-.26	.60
42 EUPANTHALIS KINBERGI					1		1	1	.66	93.38	.17	.408	-.26	.60
43 BYBLIS CF AFFINIS			1				1	1	.66	94.04	.17	.408	-.26	.60
44 AMPELISCA SPA			1				1	1	.66	94.70	.17	.408	-.26	.60
45 THARYX ANNULOSUS			1				1	1	.66	95.36	.17	.408	-.26	.60
46 SCUTOPUS SPA				1			1	1	.66	96.03	.17	.408	-.26	.60
47 CHAETOZONE GAYHEADIA		1					1	1	.66	96.69	.17	.408	-.26	.60
48 OPHIUROIDEA			1				1	1	.66	97.35	.17	.408	-.26	.60
49 CIRRHATULID-R	1						1	1	.66	98.01	.17	.408	-.26	.60
50 LADNICE CIRRATA			1				1	1	.66	98.68	.17	.408	-.26	.60
51 GYPTIS VITTATA			1				1	1	.66	99.34	.17	.408	-.26	.60
52 SAHELLIDAE			1				1	1	.66	100.00	.17	.408	-.26	.60
NO. OF SPECIES	15	16	26	11	13	10								
NO. OF INDIVIDUALS	22	27	39	18	26	19	151							

STATION TRANSECT SPECIES INDIVIDUALS DIVERSITY PIE EQUITABILITY

STATION 1 TRANSECT IV PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL				MEAN	STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT			CONF	LIM
1 LUMBRINERIS PARVAPEDATA	70	66	43	68	39	60	346	6	21.68	21.68	57.67	13.397	43.61	71.73
2 NEREID(NICON) SPA	23	17	11	22	12	14	99	6	6.20	27.88	16.50	5.089	11.16	21.84
3 SPIONIDAE	33	18	0	19	9	1	80	6	5.51	33.40	14.67	11.219	2.89	26.44
4 SIPUNCULA	9	16	14	11	9	21	80	6	5.01	38.41	13.33	4.676	8.43	18.24
5 CERATONEREIS IRRITABILIS	9	5	14	11	20	9	68	6	4.26	42.67	11.33	5.164	5.91	16.75
6 PRIONOSPID STEENSTRUPI	2	7	16	0	16	19	60	5	3.76	46.43	10.00	6.075	1.52	18.40
7 THARYX ANNULOSUS	9	22	3	8	6	10	58	6	3.63	50.06	9.67	6.532	2.81	16.52
8 MAGELONA PHYLLISAE	3	10	7	9	15	7	51	6	3.20	53.26	8.50	3.987	4.31	12.69
9 NEMERTINEA	3	9	13	5	11	6	47	6	2.94	56.20	7.83	3.817	3.83	11.84
10 PARAONIDES LYRA	20	8	3	3	7	3	44	6	2.76	50.96	7.33	6.593	.41	14.25
11 THARYX MARIONI	6	10	5	11	6	0	38	5	2.38	61.34	6.33	3.933	2.21	10.46
12 NOTOMASTUS CF LATERICEUS	0	1	5	1	0	10	33	6	2.07	63.41	5.50	3.834	1.48	9.52
13 CORBULA SWIFTIANA	2	4	3	7	14	2	32	6	2.01	65.41	5.33	4.633	.47	18.20
14 PANAPRIONOSPID PINNATA	7	7	1	4	4	8	31	6	1.94	67.36	5.17	2.639	2.40	7.94
15 MAGELONA PETIIBONEAE	1	6	4	2	0	5	26	6	1.63	68.98	4.33	2.582	1.62	7.84
16 MALDANIDAE	9	3	3	4	3	0	22	5	1.30	70.36	3.67	2.944	.50	6.76
17 CIRRHATULID-B	3	1	6	4	3	3	20	6	1.25	71.62	3.33	1.633	1.62	5.05
18 LUMBRINERIS TENUIS	4	2	2	1	1	7	17	6	1.07	72.68	2.83	2.317	.40	5.26
19 COSSURA DELTA	2	3	1	4	4	3	17	6	1.07	73.75	2.83	1.169	1.61	4.06
20 POLYCHAETE SPA	1	3	2	1	7	2	16	6	1.00	74.75	2.67	2.251	.30	5.83
21 CERATUCEPHALE UCULATA	1	9	0	3	1	1	15	5	.94	75.69	2.50	3.332	-1.00	6.00
22 MEDIOMASTUS CALIFORNIENSIS	0	4	2	0	5	3	14	4	.88	76.57	2.33	2.066	.17	4.50
23 TEREBELLIDES STRUEMI	1	4	2	2	1	3	13	6	.81	77.38	2.17	1.169	.94	3.39
24 CIRRHATULID SPA	7	0	0	4	0	1	12	3	.75	78.13	2.00	2.898	-1.04	5.04
25 ARICIDEA WASSI	2	3	3	2	1	1	12	6	.75	78.88	2.00	.894	1.06	2.94
26 VITRINELLA FLORIDANA	1	1	0	0	2	0	12	4	.75	79.64	2.00	3.033	-1.18	5.18
27 AMPELISCA AGASSIZI	2	1	1	4	3	0	11	5	.69	80.33	1.83	1.472	.29	3.38
28 AMPELISCA CF CRISTATA	0	1	0	6	0	3	10	3	.63	80.95	1.67	2.422	-.88	4.21
29 SCULOPLOS RUHRA	0	0	1	2	3	4	10	4	.63	81.58	1.67	1.633	-.85	3.38
30 UNCIOLA SEHRATA	6	0	0	0	2	1	9	3	.56	82.14	1.50	2.345	-.96	3.96
31 PHOTIS MACROMANUS	4	1	3	1	0	0	9	4	.56	82.71	1.50	1.643	-.22	3.22
32 CLYMENELLA TORQUATA	1	3	2	0	2	1	9	5	.56	83.27	1.50	1.849	.40	2.60
33 CAPITELLIDAE	0	2	2	0	4	0	8	3	.50	83.77	1.33	1.633	-.38	3.05
34 MELINNA MACULATA	1	2	5	0	0	0	8	3	.50	84.27	1.33	1.966	-.73	3.40
35 NOTOMASTUS LATERICEUS	0	0	0	6	2	0	8	2	.50	84.77	1.33	2.422	-1.21	3.88
36 DIPLODONTA CF SOROR	2	0	1	2	3	0	8	4	.50	85.28	1.33	1.211	.06	2.60
37 AMPELISCA VERRILLI	1	0	3	0	0	3	7	3	.44	85.71	1.17	1.472	-.38	2.71
38 LUMBRINERIS ALBIDENTATA	3	0	0	0	0	4	7	2	.44	86.15	1.17	1.835	-.76	3.49
39 ASYCHIS SP	1	0	2	1	2	1	7	5	.44	86.59	1.17	.753	.38	1.96
40 PALEANOTUS HETEROSETA	0	3	0	0	1	2	6	3	.38	86.97	1.00	1.265	-.33	2.33
41 DIOPATRA CUPREA	0	3	3	0	0	0	6	2	.38	87.34	1.00	1.549	-.63	2.63
42 CIRRHATULIDAE	0	2	0	2	0	2	6	3	.38	87.72	1.00	1.895	-.15	2.15
43 PARAONIDAE	1	3	1	0	0	1	6	4	.38	88.10	1.00	1.895	-.15	2.15
44 DIOPATRA CF NEOTRIDENS	1	0	0	2	1	2	6	4	.38	88.47	1.00	.894	.06	1.94
45 PARAONIS GRACILIS	0	2	1	0	1	1	5	4	.31	88.78	.83	.753	.04	1.62
46 GLYCERA AMERICANA	1	2	1	1	0	0	5	4	.31	89.10	.83	.753	.04	1.62
47 ARMANDIA MACULATA	2	2	1	0	0	0	5	3	.31	89.41	.83	.983	-.20	1.87
48 SIGAMBRA TENTACULATA	2	0	0	1	1	1	5	4	.31	89.72	.83	.753	.04	1.62
49 DIOPATRA TRIDENTATA	1	0	0	2	1	1	5	4	.31	90.04	.83	.753	.04	1.62
50 HARRANSUS PAUCICHELATUS	1	1	0	0	1	1	4	4	.25	90.29	.67	.516	.12	1.21
51 PSEUDEURYTHOE AMBIGUA	2	0	0	1	1	0	4	3	.25	90.54	.67	.816	-.19	1.52
52 AMPELISCA SPA	3	0	0	0	0	1	4	2	.25	90.79	.67	1.211	-.60	1.94
53 OXYURUSTYLIS SP	1	0	2	1	0	0	4	3	.25	91.04	.67	.816	-.19	1.52
54 MAGELONA ROSEA	0	2	1	1	0	0	4	3	.25	91.29	.67	.816	-.19	1.52

55	ARICIDEA TAYLORI	0	2	1	0	0	1	4	3	.25	91.54	.67	.816	-.19	1.52
56	PISTIA BREVIHANCHIA	0	4	0	0	0	0	4	1	.25	91.79	.67	1.633	-1.05	2.38
57	AMPHARETIDAE	2	0	1	0	1	0	4	3	.25	92.04	.67	.816	-.19	1.52
58	GONEPLACIDAE	2	0	1	1	0	0	4	3	.25	92.29	.67	.816	-.19	1.52
59	AUTOMATE SP	2	1	1	0	0	0	4	3	.25	92.54	.67	.816	-.19	1.52
60	NEREIS LAMELLOSA	1	0	0	1	0	1	3	3	.19	92.73	.50	.548	-.07	1.07
61	NOTOMASTUS AMERICANUS	0	3	0	0	0	0	3	1	.19	92.92	.50	1.225	-.79	1.79
62	LUMBRINERIS SP	0	1	1	1	0	0	3	3	.19	93.11	.50	.548	-.07	1.07
63	ISOLDA PULCHELLA	2	0	0	0	0	1	3	2	.19	93.30	.50	.837	-.30	1.30
64	DRILONEREIS MAGNA	2	0	0	0	1	0	3	2	.19	93.48	.50	.837	-.30	1.30
65	SPIOPHANES SP	0	0	2	1	0	0	3	2	.19	93.67	.50	.837	-.30	1.30
66	LUMBRINERIS JANUARI	0	0	2	1	0	0	3	2	.19	93.86	.50	.837	-.30	1.30
67	NOTOMASTUS CF AMERICANUS	0	0	3	0	0	0	3	1	.19	94.05	.50	1.225	-.79	1.79
68	SPIOPHANES BOMBYX	1	1	1	0	0	0	3	3	.19	94.24	.50	.548	-.07	1.07
69	LEPTOCHELA CF HERMUDENSIS	1	0	2	0	0	0	3	2	.19	94.42	.50	.837	-.30	1.30
70	TELLINIDAE	0	0	1	0	2	0	3	2	.19	94.61	.50	.837	-.30	1.30
71	NATICA SP	2	0	0	0	0	0	2	1	.13	94.74	.33	.816	-.52	1.19
72	MUNNA SP	1	0	0	1	0	0	2	2	.13	94.86	.33	.516	-.21	.88
73	ARABELLA MUTANS	0	0	0	1	0	1	2	2	.13	94.99	.33	.516	-.21	.88
74	MAGELONA SP	0	0	2	0	0	0	2	1	.13	95.11	.33	.816	-.52	1.19
75	SYLLIDAE	1	0	0	1	0	0	2	2	.13	95.24	.33	.516	-.21	.88
76	CHASMOCARCINUS MISSISSIPPIENSIS	0	0	0	0	1	1	2	2	.13	95.36	.33	.516	-.21	.88
77	ASYCHIS CAROLINAE	0	1	0	0	0	1	2	2	.13	95.49	.33	.516	-.21	.88
78	EXOGONE DISPAR	0	1	1	0	0	0	2	2	.13	95.61	.33	.516	-.21	.88
79	NEPHYIIDAE	1	0	0	0	1	0	2	2	.13	95.74	.33	.516	-.21	.88
80	OPHIOGLYCERA CF DISTORTA	0	1	0	0	1	0	2	2	.13	95.86	.33	.516	-.21	.88
81	TEREHRA PROTEXTA	0	1	1	0	0	0	2	2	.13	95.99	.33	.516	-.21	.88
82	PISTIA SP	0	0	0	2	0	0	2	1	.13	96.12	.33	.816	-.52	1.19
83	SCOLOPLUS CF ACMECEPS	0	0	1	1	0	0	2	2	.13	96.24	.33	.516	-.21	.88
84	OWENIA FUSIFORMIS	1	0	1	0	0	0	2	2	.13	96.37	.33	.516	-.21	.88
85	SPIOPHANES SPA	2	0	0	0	0	0	2	1	.13	96.49	.33	.816	-.52	1.19
86	EUPANTHALIS KINBERGI	0	0	1	1	0	0	2	2	.13	96.62	.33	.516	-.21	.88
87	ONUPHIS NEBULOSA	1	0	0	1	0	0	2	2	.13	96.74	.33	.516	-.21	.88
88	ANADARA TRANSVERSA	2	0	0	0	0	0	2	1	.13	96.87	.33	.816	-.52	1.19
89	NUCULANA ACUTA	1	0	0	1	0	0	2	2	.13	96.99	.33	.516	-.21	.88
90	CAULLERIELLA SPB	0	0	0	0	0	1	1	1	.06	97.06	.17	.408	-.26	.60
91	AMPHARETE PARVIDENTATA	1	0	0	0	0	0	1	1	.06	97.12	.17	.408	-.26	.60
92	NEUMEGAMPHOPUS SP	0	0	1	0	0	0	1	1	.06	97.18	.17	.408	-.26	.60
93	AMPHARETE ACUTIFRONS	1	0	0	0	0	0	1	1	.06	97.24	.17	.408	-.26	.60
94	LIMA PELLUCIDA	0	0	0	0	1	0	1	1	.06	97.31	.17	.408	-.26	.60
95	SABELLIIDAE	0	0	1	0	0	0	1	1	.06	97.37	.17	.408	-.26	.60
96	SANSIELLA SPF	0	0	1	0	0	0	1	1	.06	97.43	.17	.408	-.26	.60
97	PERIPLOMA ORBICULARE	0	0	0	1	0	0	1	1	.06	97.49	.17	.408	-.26	.60
98	MALACOCEROS SP	0	0	0	0	0	1	1	1	.06	97.56	.17	.408	-.26	.60
99	CHAETOZONE GAYHEADIA	0	0	1	0	0	0	1	1	.06	97.62	.17	.408	-.26	.60
100	PILARGIS BERKELYAE	0	0	0	0	0	1	1	1	.06	97.68	.17	.408	-.26	.60
101	CYCLOSTREMISCUS SPA	1	0	0	0	0	0	1	1	.06	97.74	.17	.408	-.26	.60
102	SPIOPHANES WIGLEYI	0	0	1	0	0	0	1	1	.06	97.81	.17	.408	-.26	.60
103	MICROSPID PIGMENTATA	0	0	1	0	0	0	1	1	.06	97.87	.17	.408	-.26	.60
104	PHYLLODOCE CASTANEA	1	0	0	0	0	0	1	1	.06	97.93	.17	.408	-.26	.60
105	TRACHYPENAEUS SIMILIS	0	1	0	0	0	0	1	1	.06	97.99	.17	.408	-.26	.60
106	SYNCHELIDIUM CF AMERICANUM	0	0	1	0	0	0	1	1	.06	98.06	.17	.408	-.26	.60
107	LYONSIA HYALINA FLORIDANA	0	0	1	0	0	0	1	1	.06	98.12	.17	.408	-.26	.60
108	OPHELIIDAE	0	0	0	0	1	0	1	1	.06	98.18	.17	.408	-.26	.60
109	LAONICE CIRRHATA	1	0	0	0	0	0	1	1	.06	98.25	.17	.408	-.26	.60
110	ARICIDEA JEFFREYSII	0	0	0	0	1	0	1	1	.06	98.31	.17	.408	-.26	.60
111	NEPHYS BUCERA	0	0	0	1	0	0	1	1	.06	98.37	.17	.408	-.26	.60
112	HIPPOMEDON CF SERRATUS	0	0	0	0	0	1	1	1	.06	98.43	.17	.408	-.26	.60
113	GONIADIDAE	0	0	1	0	0	0	1	1	.06	98.50	.17	.408	-.26	.60
114	PARAMPHINOME PULCHELLA	0	0	0	0	0	1	1	1	.06	98.56	.17	.408	-.26	.60
115	PHORONIDA	0	0	1	0	0	0	1	1	.06	98.62	.17	.408	-.26	.60
116	MINUSPID CIRRIFERA	0	0	1	0	0	0	1	1	.06	98.68	.17	.408	-.26	.60

117	EXOIGONE SPA	1	0	0	0	0	0	1	1	.06	98.75	.17	.408	-.26	.60
118	GYPTIS VITIATA	1	0	0	0	0	0	1	1	.06	98.81	.17	.408	-.26	.60
119	PLATYHELMINTHES	1	0	0	0	0	0	1	1	.06	98.87	.17	.408	-.26	.60
120	LUCINA AMIANTUS	1	0	0	0	0	0	1	1	.06	98.93	.17	.408	-.26	.60
121	STHENELEIS BOA	1	0	0	0	0	0	1	1	.06	99.00	.17	.408	-.26	.60
122	PERIPLOMA OBLICULARE	0	0	0	1	0	0	1	1	.06	99.06	.17	.408	-.26	.60
123	EXOIGONE VERUGERA	0	0	0	0	0	1	1	1	.06	99.12	.17	.408	-.26	.60
124	AMPHICTEIS GUNNERI	0	0	0	0	1	0	1	1	.06	99.19	.17	.408	-.26	.60
125	ASYCHIS ELONGATA	0	0	0	0	0	1	1	1	.06	99.25	.17	.408	-.26	.60
126	PHILINE SAGRA	0	0	0	0	1	0	1	1	.06	99.31	.17	.408	-.26	.60
127	NOTOMASTUS HEMIPODUS	0	0	0	0	0	1	1	1	.06	99.37	.17	.408	-.26	.60
128	PTILANTHURA CF TRICARINA	0	0	1	0	0	0	1	1	.06	99.44	.17	.408	-.26	.60
129	PARAMETOPELLA TEXENSIS	0	1	0	0	0	0	1	1	.06	99.50	.17	.408	-.26	.60
130	MAGELONA LONGICORNIS	1	0	0	0	0	0	1	1	.06	99.56	.17	.408	-.26	.60
131	GLYCERA PAPILLOSA	1	0	0	0	0	0	1	1	.06	99.62	.17	.408	-.26	.60
132	ONUPHIS SPA	0	0	1	0	0	0	1	1	.06	99.69	.17	.408	-.26	.60
133	SCOLELEPIS TEXANA	0	0	0	0	1	0	1	1	.06	99.75	.17	.408	-.26	.60
134	SANSIELLA DISPARALIS	0	0	1	0	0	0	1	1	.06	99.81	.17	.408	-.26	.60
135	AEDICINA HELGICAE	0	0	0	0	1	0	1	1	.06	99.87	.17	.408	-.26	.60
136	SCHISTOMERINGOS RUDOLPHI	0	0	0	0	1	0	1	1	.06	99.94	.17	.408	-.26	.60
137	LISTRIELLA BARNARDI	0	0	1	0	0	0	1	1	.06	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	73	52	71	54	54	54	
NO. OF INDIVIDUALS	309	287	239	256	255	250	1596

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	IV	137	1596	5.2123	.9332	.4088

STATION 2 TRANSECT IV PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL					STD	95 PCT CONF LIM	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN			
1 PANAPHRIONOSPIU PINNATA	4	2	2	1	0	16	25	5	5.04	5.04	4.17	5.947	-2.08	10.41
2 NOTOMASTUS CF LATERICEUS	4	4	0	7	5	3	23	5	4.64	9.68	3.83	2.317	1.40	6.26
3 AEDICINA BELGICAE	6	7	0	4	0	5	22	4	4.44	14.11	3.67	3.011	.51	6.83
4 MALDANIDAE	5	5	3	1	2	1	17	6	3.43	17.54	2.83	1.835	.91	4.76
5 NEMERTINEA	2	6	2	6	1	0	17	5	3.43	20.97	2.83	2.563	.14	5.52
6 MEDIOMASTUS CALIFORNIENSIS	5	6	0	1	1	1	14	5	2.82	23.79	2.33	2.503	-.29	4.96
7 COSSURA DELTA	0	8	1	1	3	0	13	4	2.62	26.41	2.17	3.061	-1.05	5.38
8 RUTIDERMA SPB	7	0	0	1	2	2	12	4	2.42	28.83	2.00	2.600	-.74	4.74
9 LUMBRINERIS CF MAGALHAENSIS	0	0	0	4	3	5	12	3	2.42	31.25	2.00	2.280	-.39	4.39
10 TANAID SPB	1	1	0	1	2	6	11	5	2.22	33.47	1.83	2.137	-.41	4.00
11 SPIOPHANES SPA	3	0	0	5	0	3	11	3	2.22	35.69	1.83	2.137	-.41	4.00
12 SPIONIDAE	1	2	2	0	1	5	11	5	2.22	37.90	1.83	1.722	.03	3.64
13 LAONICE CIRHATA	4	2	0	0	1	3	10	4	2.02	39.92	1.67	1.633	-.05	3.38
14 HETEROPHUXUS CF OCOLATUS	0	0	1	3	0	5	9	3	1.81	41.73	1.50	2.074	-.68	3.60
15 SIPUNCULA	0	2	1	4	1	1	9	5	1.81	43.55	1.50	1.378	.05	2.95
16 SIGAMBRA TENTACULATA	3	1	1	2	1	1	9	6	1.81	45.36	1.50	.837	.62	2.38
17 LUMBRINERIS PARVAPEDATA	0	1	0	3	3	2	9	4	1.81	47.18	1.50	1.378	.05	2.95
18 PARAOINIDAE	0	0	5	0	3	0	8	2	1.61	48.79	1.33	2.160	-.93	3.60
19 CORBULA SWIFTIANA	2	4	2	0	0	0	8	3	1.61	50.40	1.33	1.633	-.38	3.05
20 MAGELONA LONGICORNIS	1	0	2	2	2	1	8	5	1.61	52.02	1.33	.816	.48	2.19
21 PARAMPHINOME PULCHELLA	2	0	1	4	1	0	8	4	1.61	53.63	1.33	1.506	-.25	2.91
22 FAHRICIA SPA	1	0	0	6	0	0	7	2	1.41	55.04	1.17	2.401	-1.35	3.69
23 THARYX MARIONI	0	0	0	2	5	0	7	2	1.41	56.45	1.17	2.041	-.98	3.31
24 ARICIDEA NEOSUECICA	5	0	0	1	0	1	7	3	1.41	57.86	1.17	1.941	-.87	3.20
25 UNOPHIS SPA	1	1	1	2	1	0	6	5	1.21	59.07	1.00	.632	.34	1.66
26 PARAOINIS GRACILIS	0	2	2	1	1	0	6	4	1.21	60.28	1.00	.894	.06	1.94
27 NEPHTYS INCISA	5	0	0	0	0	1	6	2	1.21	61.49	1.00	2.000	-1.10	3.10
28 AUTOMATE EVERMANNI	2	3	0	1	0	0	6	3	1.21	62.70	1.00	1.265	-.33	2.33
29 PARAOINIS LYRA	0	3	0	1	0	1	5	3	1.01	63.71	.83	1.169	-.39	2.06
30 AMPELISCA AGASSIZI	0	5	0	0	0	0	5	1	1.01	64.72	.83	2.041	-1.31	2.98
31 AMPELISCA VERRILLI	2	0	0	2	0	1	5	3	1.01	65.73	.83	.983	-.20	1.87
32 KALLIAPSEUDES SPA	4	1	0	0	0	0	5	2	1.01	66.73	.83	1.602	-.85	2.51
33 SAHELLIDAE	0	1	1	0	1	2	5	4	1.01	67.74	.83	.753	.04	1.62
34 ARICIDEA JEFFREYSII	0	4	0	0	0	0	4	1	.81	68.55	.67	1.633	-1.05	2.38
35 ARMANDIA MACULATA	0	0	2	0	0	2	4	2	.81	69.35	.67	1.833	-.42	1.75
36 MARPHYSA SPA	1	0	3	0	0	0	4	2	.81	70.16	.67	1.111	-.60	1.94
37 HANHANUS PANICHELATUS	1	0	0	1	1	1	4	4	.81	70.97	.67	.516	.12	1.21
38 POLYCHAETE SPA	0	0	0	2	1	1	4	3	.81	71.77	.67	.816	-.19	1.52
39 MARPHYSA SPB	0	0	0	2	0	2	4	2	.81	72.58	.67	1.833	-.42	1.75
40 PARAOINIS SPA	1	0	1	1	0	1	4	4	.81	73.39	.67	.516	.12	1.21
41 PILLANTHURA SPA	2	0	0	0	0	2	4	2	.81	74.19	.67	1.833	-.42	1.75
42 EXOGONE SPA	0	2	0	0	2	0	4	2	.81	75.00	.67	1.833	-.42	1.75
43 CIRRATULID SPA	1	0	0	1	0	1	3	3	.60	75.60	.50	.548	-.07	1.07
44 LUMBRINERIS ALBIDENTATA	2	0	1	0	0	0	3	2	.60	76.21	.50	.837	-.38	1.38
45 GONEPLACIDAE	1	0	1	0	1	0	3	3	.60	76.81	.50	.548	-.07	1.07
46 LUMBRINERIS TENUIS	1	0	1	1	0	0	3	3	.60	77.42	.50	.548	-.07	1.07
47 SAKSIELLA CF GREYI	0	0	1	0	1	1	3	3	.60	78.02	.50	.548	-.07	1.07
48 UNCIOLA SERRATA	0	0	1	0	2	0	3	2	.60	78.63	.50	.837	-.38	1.38
49 SAKSIELLA GETTLESONI	1	0	0	1	0	1	3	3	.60	79.23	.50	.548	-.07	1.07
50 AMPELISCA ABDITA	0	0	1	0	0	2	3	2	.60	79.84	.50	.837	-.38	1.38
51 THYASIRA SPA	2	0	0	1	0	0	3	2	.60	80.44	.50	.837	-.38	1.38
52 EXOGONE DISPAR	0	0	0	2	1	0	3	2	.60	81.05	.50	.837	-.38	1.38
53 FUDORELLA MONODON	2	0	0	0	0	1	3	2	.60	81.65	.50	.837	-.38	1.38
54 CHONE SP	0	0	0	2	0	0	2	1	.40	82.06	.33	.816	-.52	1.19

58	CIRRHOPODUS LYRIFORMIS	0	1	0	1	0	0	2	2	.40	83.67	.33	.516	-.21	.88
59	HETEROSPPIO LONGISSIMA	0	2	0	0	0	0	2	1	.40	84.07	.33	.816	-.52	1.19
60	LISTRIELLA BARNARDI	0	0	0	0	0	0	2	1	.40	84.48	.33	.816	-.52	1.19
61	GONIADA NORVEGICA	1	0	1	0	0	0	2	2	.40	84.88	.33	.516	-.21	.88
62	PHORONIDA	1	0	0	0	1	0	2	2	.40	85.28	.33	.516	-.21	.88
63	CAPITELLIDAE	0	0	2	0	0	0	2	1	.40	85.69	.33	.816	-.52	1.19
64	OPHIUROIDEA	1	0	0	0	0	1	2	2	.40	86.09	.33	.516	-.21	.88
65	LEPTOCHEIRUS SP	0	0	0	0	0	2	2	1	.40	86.49	.33	.816	-.52	1.19
66	HARRANSUS PAUCICHELATUS	0	0	0	1	1	0	2	2	.40	86.90	.33	.516	-.21	.88
67	PHOTIS MACROMANUS	0	0	2	0	0	0	2	1	.40	87.30	.33	.816	-.52	1.19
68	SYLLIS CORNUTA	0	0	0	0	0	2	2	1	.40	87.70	.33	.816	-.52	1.19
69	PALEANOTUS HETEROSETA	0	0	0	1	1	0	2	2	.40	88.10	.33	.516	-.21	.88
70	MICRUSPID PIGMENTATA	0	0	0	2	0	0	2	1	.40	88.51	.33	.816	-.52	1.19
71	PISTA CRISTATA	0	0	0	2	0	0	2	1	.40	88.91	.33	.816	-.52	1.19
72	ASYCHIS SP	0	0	0	1	1	0	2	2	.40	89.31	.33	.516	-.21	.88
73	CIRRHOPODUS BRANCHIATUS	1	0	1	0	0	0	2	2	.40	89.72	.33	.516	-.21	.88
74	NEREID(NICON) SPA	1	0	0	0	1	0	2	2	.40	90.12	.33	.516	-.21	.88
75	AMPELISCA SPA	1	0	0	0	1	0	2	2	.40	90.52	.33	.516	-.21	.88
76	OPHIUZYLLIS CF DISTORTA	0	0	0	0	1	1	2	2	.40	90.93	.33	.516	-.21	.88
77	HEMICYCLUPS SP	0	0	0	0	0	2	2	1	.40	91.33	.33	.816	-.52	1.19
78	NOTOMASTUS HEMIPODUS	0	2	0	0	0	0	2	1	.40	91.73	.33	.816	-.52	1.19
79	PHYLLODOCE MUCOSA	0	0	0	0	0	2	2	1	.40	92.14	.33	.816	-.52	1.19
80	AMPHARETIIDAE	1	0	0	0	1	0	2	2	.40	92.54	.33	.516	-.21	.88
81	LUMBRINERIS LATREILLI	0	2	0	0	0	0	2	1	.40	92.94	.33	.816	-.52	1.19
82	CLYMENELLA TORQUATA	0	0	1	0	0	0	1	1	.20	93.15	.17	.408	-.26	.60
83	ONUPHIDAE	1	0	0	0	0	0	1	1	.20	93.35	.17	.408	-.26	.60
84	CERATOCEPHALE OCULATA	1	0	0	0	0	0	1	1	.20	93.55	.17	.408	-.26	.60
85	GLOTTIDIA PYRAMIDATA	0	0	0	1	0	0	1	1	.20	93.75	.17	.408	-.26	.60
86	CERTANTHARIA	0	0	1	0	0	0	1	1	.20	93.95	.17	.408	-.26	.60
87	MARPHYSA SANGUINEA	1	0	0	0	0	0	1	1	.20	94.15	.17	.408	-.26	.60
88	OPHIODROMUS OBSCURUS	1	0	0	0	0	0	1	1	.20	94.35	.17	.408	-.26	.60
89	PILARGIS HENKELIAE	0	0	1	0	0	0	1	1	.20	94.56	.17	.408	-.26	.60
90	AUTOMATE SP	0	0	1	0	0	0	1	1	.20	94.76	.17	.408	-.26	.60
91	AMPHARETE PARVIDENTATA	0	0	0	0	0	1	1	1	.20	94.96	.17	.408	-.26	.60
92	GONIADIDAE	0	0	1	0	0	0	1	1	.20	95.16	.17	.408	-.26	.60
93	AMPHARETE AMERICANA	0	0	0	0	0	1	1	1	.20	95.36	.17	.408	-.26	.60
94	CABIRA INCERTA	1	0	0	0	0	0	1	1	.20	95.56	.17	.408	-.26	.60
95	SYLLIS SPB	0	0	0	1	0	0	1	1	.20	95.77	.17	.408	-.26	.60
96	NUCULA PROXIMA	1	0	0	0	0	0	1	1	.20	95.97	.17	.408	-.26	.60
97	ANOPLDACTYLUS PETIOLATUS	1	0	0	0	0	0	1	1	.20	96.17	.17	.408	-.26	.60
98	APSEUDES SPA	0	0	0	0	0	1	1	1	.20	96.37	.17	.408	-.26	.60
99	CHIONE CLENCHI	0	0	0	0	0	1	1	1	.20	96.57	.17	.408	-.26	.60
100	NEREIDAE	0	0	0	0	1	0	1	1	.20	96.77	.17	.408	-.26	.60
101	APANTHURA MAGNIFICA	0	0	0	1	0	0	1	1	.20	96.98	.17	.408	-.26	.60
102	NINOE NIGRIPES	1	0	0	0	0	0	1	1	.20	97.18	.17	.408	-.26	.60
103	DIPLODONTA CF SOROR	1	0	0	0	0	0	1	1	.20	97.38	.17	.408	-.26	.60
104	CALLIANASSA SP	0	0	1	0	0	0	1	1	.20	97.58	.17	.408	-.26	.60
105	CALAPPIDAE	0	1	0	0	0	0	1	1	.20	97.78	.17	.408	-.26	.60
106	MACOMA TENTA	1	0	0	0	0	0	1	1	.20	97.98	.17	.408	-.26	.60
107	NATICA SP	1	0	0	0	0	0	1	1	.20	98.19	.17	.408	-.26	.60
108	GONIADA TENES	1	0	0	0	0	0	1	1	.20	98.39	.17	.408	-.26	.60
109	CERAPUS TUBULARIS	0	0	0	0	1	0	1	1	.20	98.59	.17	.408	-.26	.60
110	MARPHYSA SPC	0	0	0	0	1	0	1	1	.20	98.79	.17	.408	-.26	.60
111	CIRULANA SP	0	0	0	0	0	1	1	1	.20	98.99	.17	.408	-.26	.60
112	NEPHTYIDAE	0	0	0	1	0	0	1	1	.20	99.19	.17	.408	-.26	.60
113	ARICIDEA CF USCHAKOVI	0	0	1	0	0	0	1	1	.20	99.40	.17	.408	-.26	.60
114	HIPPOEDON CF SERRATUS	0	0	0	1	0	0	1	1	.20	99.60	.17	.408	-.26	.60
115	FLABELLIGERIDAE	0	1	0	0	0	0	1	1	.20	99.80	.17	.408	-.26	.60
116	TEINOSTOMA BISCAYNENSE	0	0	1	0	0	0	1	1	.20	100.00	.17	.408	-.26	.60

NO. OF SPECIES 54 31 36 46 39 45
 NO. OF INDIVIDUALS 106 84 53 93 61 99 496

STATION TRANSFCT SPECIES INDIVIDUALS DIVERSITY PIE EQUITABILITY
 2 IV 116 496 6.2195 .9828 .9741

STATION 3 TRANSECT IV PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL					95 PCT		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF	LIM
1 SIPUNCULA	0	12	16	9	13	1	51	5	10.65	10.65	0.50	6.595	1.58	15.42
2 PARAMPHINOME PULCHELLA	0	7	0	13	4	1	25	4	5.22	15.87	4.17	5.115	-1.20	9.54
3 RUTIDERMA SPA	2	3	2	12	3	1	23	6	4.80	20.67	3.83	4.070	-.44	8.11
4 NEMERTINEA	4	2	4	10	2	0	22	5	4.59	25.26	3.67	3.445	-.05	7.28
5 PARAPRIONOSPID PINNATA	1	0	0	6	0	6	21	4	4.38	29.65	3.50	3.564	-.24	7.24
6 SARHELLIDAE	5	0	6	6	0	1	18	4	3.76	33.40	3.00	2.966	-.11	6.11
7 ONUPHIDAE	1	3	1	3	5	0	13	5	2.71	36.12	2.17	1.835	-.24	4.89
8 MALDANIDAE	0	3	3	4	2	1	13	5	2.71	38.83	2.17	1.472	.62	3.71
9 SIGAMBRA TENTACULATA	3	1	2	1	2	2	11	6	2.30	41.13	1.83	.753	1.04	2.62
10 MAGELONA LONGICORNIS	1	2	3	3	1	0	10	5	2.09	43.22	1.67	1.211	-.40	2.94
11 COSSUNA DELTA	5	1	0	0	4	0	10	3	2.09	45.30	1.67	2.251	-.70	4.83
12 ONUPHIS SPB	3	3	1	1	0	0	8	4	1.67	46.97	1.33	1.366	-.10	2.77
13 PARALACYDONIA PARADOXA	1	0	1	1	2	2	7	5	1.46	46.43	1.17	.753	.38	1.96
14 PSEUDOPHILOMEDES SPA	0	0	0	5	2	0	7	2	1.46	49.90	1.17	2.041	-.98	3.31
15 SPIONIDAE	2	0	1	2	1	0	6	4	1.25	51.15	1.00	.894	.06	1.94
16 FABRICIA SPA	0	4	0	2	0	0	6	2	1.25	52.40	1.00	1.673	-.76	2.76
17 HETEROPHUXUS CF OCLATUS	0	0	0	6	0	0	6	1	1.25	53.65	1.00	2.449	-1.57	3.57
18 CUMACEAN SPI	0	0	0	3	2	1	6	3	1.25	54.91	1.00	1.265	-.33	2.33
19 CUNBULA SWIFTIANA	0	0	1	2	2	0	5	3	1.04	55.95	.83	.983	-.20	1.87
20 NOTOMASTUS LATERICEUS	2	1	1	1	0	0	5	4	1.04	56.99	.83	.753	.04	1.62
21 PARANIS GRACILIS	1	1	1	1	0	1	5	5	1.04	58.04	.83	.408	-.40	1.26
22 TENEBELLIDES STROEMII	1	1	1	1	0	1	5	5	1.04	59.08	.83	.408	.40	1.26
23 OPHIUROIDEA	0	2	0	2	0	0	4	2	.84	59.92	.67	1.033	-.42	1.75
24 STHENELAIS BUA	2	0	0	0	2	0	4	2	.84	60.75	.67	1.033	-.42	1.75
25 THARYX MARIUNI	3	0	0	0	1	0	4	2	.84	61.59	.67	1.211	-.60	1.94
26 TEREBELLIDAE	0	0	2	0	2	0	4	2	.84	62.42	.67	1.033	-.42	1.75
27 CAPITELLIDAE	0	0	1	0	1	2	4	3	.84	63.26	.67	.816	-.19	1.52
28 NEREID SPB	0	1	1	2	0	0	4	3	.84	64.09	.67	.816	-.19	1.52
29 PITAR CORDATUS	0	0	3	0	1	0	4	2	.84	64.93	.67	1.211	-.60	1.94
30 GLYCERA TESSELETA	0	0	0	3	0	1	4	2	.84	65.76	.67	1.211	-.60	1.94
31 SPIOPHANES LONGICIRRUS	1	2	0	0	0	1	4	3	.84	66.60	.67	.816	-.19	1.52
32 ARMANDIA MACULATA	1	0	0	3	0	0	4	2	.84	67.43	.67	1.211	-.60	1.94
33 MAGELONA PHYLLISAE	0	0	0	0	2	2	4	2	.84	68.27	.67	1.033	-.42	1.75
34 NEPHTYIDAE	2	0	0	0	1	0	3	2	.63	68.89	.50	.837	-.38	1.38
35 SCUIOPUS SPA	1	0	1	1	0	0	3	3	.63	69.52	.50	.548	-.07	1.07
36 ALTERNOCHELATA SPA	0	1	0	0	0	2	3	2	.63	70.15	.50	.837	-.38	1.38
37 SPIOPHANES WIGLEYI	1	0	1	0	1	0	3	3	.63	70.77	.50	.548	-.07	1.07
38 UNCIOILA SENHATA	1	0	0	0	0	2	3	2	.63	71.40	.50	.837	-.38	1.38
39 SPHAEROSYLLIS CF SUBLAEVIS	1	2	0	0	0	0	3	2	.63	72.03	.50	.837	-.38	1.38
40 AMAEANA TRILOBATA	0	2	0	1	0	0	3	2	.63	72.65	.50	.837	-.38	1.38
41 ONUPHIS SPA	0	0	0	1	1	1	3	3	.63	73.28	.50	.548	-.07	1.07
42 NOTOMASTUS CF AMERICANUS	0	0	0	3	0	0	3	1	.63	73.90	.50	1.225	-.79	1.79
43 ONUPHIS SPF	1	1	0	1	0	0	3	3	.63	74.53	.50	.548	-.07	1.07
44 CHLOEIA VIRIDIS	0	1	1	0	0	1	3	3	.63	75.16	.50	.548	-.07	1.07
45 SERPULIDAE	0	1	0	0	2	0	3	2	.63	75.78	.50	.837	-.38	1.38
46 THARYX ANNULOSUS	1	1	0	0	0	0	2	2	.42	76.20	.33	.516	-.21	.88
47 BYBLIS CF AFFINIS	0	1	0	0	0	1	2	2	.42	76.62	.33	.516	-.21	.88
48 TANAID SPA	0	2	0	0	0	0	2	1	.42	77.04	.33	.816	-.52	1.19
49 CALLIANASSA LATISPINA	1	1	0	0	0	0	2	2	.42	77.45	.33	.516	-.21	.88
50 ACTINIARIA SPA	0	2	0	0	0	0	2	1	.42	77.87	.33	.816	-.52	1.19
51 MAGELONA SPA	2	0	0	1	1	0	2	2	.42	78.29	.33	.516	-.21	.88
52 ACTINIARIA	2	0	0	0	0	0	2	1	.42	78.71	.33	.816	-.52	1.19
53 MANPHYSA SPB	0	0	1	1	0	0	2	2	.42	79.12	.33	.516	-.21	.88
54 ASYCHIS SP	0	0	1	0	1	0	2	2	.42	79.54	.33	.516	-.21	.88

55	LUMBRINERIS PARVAPEDATA	0	0	2	0	0	0	2	1	.42	79.96	.33	.816	-.52	1.19
56	SPIOPHANES SPA	0	0	1	0	0	1	2	2	.42	80.38	.33	.516	-.21	.88
57	SPIOCHAETOPTERUS COSTARUM	1	0	1	0	0	0	2	2	.42	80.79	.33	.516	-.21	.88
58	SARSIELLA CF GREYI	0	0	1	1	0	0	2	2	.42	81.21	.33	.516	-.21	.88
59	GNATHIA SP	0	0	1	1	0	0	2	2	.42	81.63	.33	.516	-.21	.88
60	CERAPUS TUBULARIS	0	0	1	0	0	1	2	2	.42	82.05	.33	.516	-.21	.88
61	ARICIDEA NEOSUECICA	0	1	0	0	0	1	2	2	.42	82.46	.33	.516	-.21	.88
62	AMPHARETE PARVIDENTATA	0	0	0	2	0	0	2	1	.42	82.88	.33	.816	-.52	1.19
63	AMAEANA ACCRAENSIS	0	0	0	2	0	0	2	1	.42	83.30	.33	.816	-.52	1.19
64	NEREIS SPA	0	0	0	2	0	0	2	1	.42	83.72	.33	.816	-.52	1.19
65	EUCHONE RUSEA	0	0	0	2	0	0	2	1	.42	84.13	.33	.816	-.52	1.19
66	AGLAOPHAMUS VERRILLI	0	0	0	2	0	0	2	1	.42	84.55	.33	.816	-.52	1.19
67	LOIMIA MEDUSA	0	0	0	2	0	0	2	1	.42	84.97	.33	.816	-.52	1.19
68	PHYLLODOCE MUCOSA	0	0	0	2	0	0	2	1	.42	85.39	.33	.816	-.52	1.19
69	BRYOZOA	0	0	0	1	1	0	2	2	.42	85.80	.33	.516	-.21	.88
70	NEREID(NICON) SPA	2	0	0	0	0	0	2	1	.42	86.22	.33	.816	-.52	1.19
71	AMPHARETIIDAE	0	2	0	0	0	0	2	1	.42	86.64	.33	.816	-.52	1.19
72	NEPHYS INCISA	0	1	0	1	0	0	2	2	.42	87.06	.33	.516	-.21	.88
73	STERNASPIS SCUTATA	1	0	0	0	0	1	2	2	.42	87.47	.33	.516	-.21	.88
74	CHONE CF AMERICANA	0	1	0	0	0	0	1	1	.21	87.68	.17	.408	-.26	.60
75	COLLODES TRISPINOSUS	0	0	0	0	1	0	1	1	.21	87.89	.17	.408	-.26	.60
76	HYDROIDES PROTULICOLA	0	1	0	0	0	0	1	1	.21	88.10	.17	.408	-.26	.60
77	MICROSPID PIGMENTATA	0	0	0	1	0	0	1	1	.21	88.31	.17	.408	-.26	.60
78	CIRRHATULIDAE	0	1	0	0	0	0	1	1	.21	88.52	.17	.408	-.26	.60
79	PALEANTIUS HETEROSETA	0	0	0	0	0	1	1	1	.21	88.73	.17	.408	-.26	.60
80	ARICIDEA JEFFREYSII	0	0	0	0	0	1	1	1	.21	88.94	.17	.408	-.26	.60
81	PECTINIDAE	0	0	0	0	0	1	1	1	.21	89.14	.17	.408	-.26	.60
82	AGLAOPHAMUS INERMIS	1	0	0	0	0	0	1	1	.21	89.35	.17	.408	-.26	.60
83	POLYDORA CF HARTMANAE	0	1	0	0	0	0	1	1	.21	89.56	.17	.408	-.26	.60
84	CHAETOPTERIDAE	0	1	0	0	0	0	1	1	.21	89.77	.17	.408	-.26	.60
85	LADNICE CIRRHATA	0	0	0	1	0	0	1	1	.21	89.98	.17	.408	-.26	.60
86	DIOPATRA TRIDENTATA	0	1	0	0	0	0	1	1	.21	90.19	.17	.408	-.26	.60
87	GONIADA NORVEGICA	0	0	0	0	0	1	1	1	.21	90.40	.17	.408	-.26	.60
88	PARANDALIA SPA	0	0	1	0	0	0	1	1	.21	90.61	.17	.408	-.26	.60
89	ANADARA TRANSVERSA	0	0	0	0	0	1	1	1	.21	90.81	.17	.408	-.26	.60
90	HETEROSPID LONGISSIMA	1	0	0	0	0	0	1	1	.21	91.02	.17	.408	-.26	.60
91	GONIADA TERES	1	0	0	0	0	0	1	1	.21	91.23	.17	.408	-.26	.60
92	GLYCIDNE NORDMANNI	0	0	0	0	0	1	1	1	.21	91.44	.17	.408	-.26	.60
93	CLYMENELLA TORQUATA	0	0	0	0	0	1	1	1	.21	91.65	.17	.408	-.26	.60
94	SIGALIONIDAE	0	0	0	0	0	1	1	1	.21	91.86	.17	.408	-.26	.60
95	LEPTOCHEIRUS SP	0	0	0	0	1	0	1	1	.21	92.07	.17	.408	-.26	.60
96	DENTALIUM SUMERBYI	0	0	1	0	0	0	1	1	.21	92.28	.17	.408	-.26	.60
97	ARABELLIDAE	0	0	0	1	0	0	1	1	.21	92.48	.17	.408	-.26	.60
98	SARSIELLA SPF	0	0	1	0	0	0	1	1	.21	92.69	.17	.408	-.26	.60
99	HARMOTHOE SP	0	1	0	0	0	0	1	1	.21	92.90	.17	.408	-.26	.60
100	MAGELONA RUSEA	1	0	0	0	0	0	1	1	.21	93.11	.17	.408	-.26	.60
101	ONUPHIS PERUANA	0	1	0	0	0	0	1	1	.21	93.32	.17	.408	-.26	.60
102	CALLIANASSA SP	0	0	0	0	0	1	1	1	.21	93.53	.17	.408	-.26	.60
103	LEIOCAPITELLA GLABRA	0	1	0	0	0	0	1	1	.21	93.74	.17	.408	-.26	.60
104	GYPTIS VITTATA	1	0	0	0	0	0	1	1	.21	93.95	.17	.408	-.26	.60
105	CUSPIDARIA MEDIA	0	1	0	0	0	0	1	1	.21	94.15	.17	.408	-.26	.60
106	GLYCERA SP	0	0	0	1	0	0	1	1	.21	94.36	.17	.408	-.26	.60
107	MARPHYSA SPA	0	0	0	0	1	0	1	1	.21	94.57	.17	.408	-.26	.60
108	PARAUNIS SPA	0	0	0	0	0	1	1	1	.21	94.78	.17	.408	-.26	.60
109	TANAID SPJ	0	0	0	0	0	1	1	1	.21	94.99	.17	.408	-.26	.60
110	TANAIDACEA	0	0	0	1	0	0	1	1	.21	95.20	.17	.408	-.26	.60
111	SYLLIS SPH	0	0	0	0	1	0	1	1	.21	95.41	.17	.408	-.26	.60
112	THARYX FILIRRHANCHIA	0	0	1	0	0	0	1	1	.21	95.62	.17	.408	-.26	.60
113	PHOTIS SP	0	0	0	0	0	1	1	1	.21	95.82	.17	.408	-.26	.60
114	PILARGIS BERKELYAE	0	1	0	0	0	0	1	1	.21	96.03	.17	.408	-.26	.60
115	AMPELISCA ARDITA	0	0	0	0	0	1	1	1	.21	96.24	.17	.408	-.26	.60
116	CERATOCEPHALE OCULATA	0	1	0	0	0	0	1	1	.21	96.45	.17	.408	-.26	.60

117	POECILOCHAETUS JOHNSONI	0	1	0	0	0	0	1	1	.21	96.66	.17	.408	-.26	.60
118	NEREIDAE	0	0	0	1	0	0	1	1	.21	96.87	.17	.408	-.26	.60
119	MAGELONA PETTIBONEAE	0	0	0	0	0	1	1	1	.21	97.00	.17	.408	-.26	.60
120	GRUHEULEPIS SP	1	0	0	0	0	0	1	1	.21	97.29	.17	.408	-.26	.60
121	VENERIDAE	0	1	0	0	0	0	1	1	.21	97.49	.17	.408	-.26	.60
122	OPHELIIDAE	0	1	0	0	0	0	1	1	.21	97.70	.17	.408	-.26	.60
123	PILARGIIDAE	0	0	0	0	1	0	1	1	.21	97.91	.17	.408	-.26	.60
124	GLYCERA PAPILLOSA	0	0	0	1	0	0	1	1	.21	98.12	.17	.408	-.26	.60
125	AUTOMATE EVERMANNI	0	0	1	0	0	0	1	1	.21	98.33	.17	.408	-.26	.60
126	POLYCHAETE SPA	0	0	0	0	0	1	1	1	.21	98.54	.17	.408	-.26	.60
127	ASYCHIS ELONGATA	1	0	0	0	0	0	1	1	.21	98.75	.17	.408	-.26	.60
128	ORILONEREIS MAGNA	0	1	0	0	0	0	1	1	.21	98.96	.17	.408	-.26	.60
129	PHILINE SAGNA	0	1	0	0	0	0	1	1	.21	99.16	.17	.408	-.26	.60
130	APANTHURA MAGNIFICA	0	0	0	1	0	0	1	1	.21	99.37	.17	.408	-.26	.60
131	NINUE NIGRIPES	0	0	0	0	0	1	1	1	.21	99.58	.17	.408	-.26	.60
132	MEGALOMMA CF QUADRIOCULATUM	0	1	0	0	0	0	1	1	.21	99.79	.17	.408	-.26	.60
133	CUMACEAN SPG	0	1	0	0	0	0	1	1	.21	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	37	50	37	51	31	40	
NO. OF INDIVIDUALS	61	87	77	137	66	51	479

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	IV	133	479	6.0990	.9736	.7820

STATION 4 TRANSECT IV PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL ABUND	TOTAL OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
	1	2	3	4	5	6								
1 LUMBRINERIS PARVAPEDATA	82	85	111	71	71	72	492	6	15.95	15.95	82.00	15.440	65.79	98.21
2 MAGELONA PHYLLISAE	103	95	57	67	125	40	487	6	15.79	31.74	81.17	31.840	47.75	114.59
3 MEDIOMASTUS CALIFORNIENSIS	57	8	69	12	16	60	222	6	7.20	38.94	37.00	27.785	7.84	66.16
4 MAGELONA PETTIRONEAE	37	26	29	17	13	26	148	6	4.88	43.74	24.67	8.595	15.65	33.69
5 NEMERTINEA	16	20	41	3	36	10	126	6	4.09	47.83	21.00	14.885	5.46	36.54
6 ANADARA TRANSVERSA	24	0	56	25	9	4	118	5	3.83	51.65	19.67	20.559	-1.91	41.25
7 SPIOPHANES BOMBYX	15	26	14	20	14	21	110	6	3.57	55.22	18.33	4.844	13.25	23.42
8 PARANIDES LYRA	8	10	28	7	7	32	92	6	2.98	58.20	15.33	11.483	3.28	27.39
9 LUMBRINERIS TENUIS	10	7	2	13	20	13	65	6	2.11	60.31	10.83	6.113	4.42	17.25
10 ARICIDEA TAYLORI	18	9	7	8	7	12	61	6	1.98	62.29	10.17	4.262	5.69	14.64
11 PRIONOSPIO CRISTATA	13	14	10	2	8	10	57	6	1.85	64.14	9.58	4.278	5.01	13.99
12 XENANTHURA BREVITELSON	12	6	3	10	3	10	52	6	1.69	65.82	8.67	5.854	2.52	14.81
13 CORRULA SWIFTIANA	10	1	4	19	3	3	40	6	1.30	67.12	6.67	6.772	-4.44	13.78
14 POLYCHAETE SPA	28	4	0	2	0	4	38	4	1.23	68.35	6.33	10.764	-4.96	17.63
15 SIPUNCULA	4	12	6	4	9	0	35	5	1.13	69.49	5.83	4.215	1.41	10.26
16 PARAPRIONOSPIO PINNATA	6	3	4	7	13	0	33	5	1.07	70.56	5.50	4.416	.87	10.13
17 SPIONIDAE	5	4	3	2	4	13	31	6	1.01	71.56	5.17	3.971	1.00	9.33
18 TELLINIDAE	5	1	8	5	7	4	30	6	.97	72.54	5.00	2.449	2.43	7.57
19 DIPLODONTIA CF SOROR	3	4	1	12	4	6	30	6	.97	73.51	5.00	3.795	1.02	8.98
20 PARANIS GRACILIS	5	7	6	3	4	4	29	6	.94	74.45	4.83	1.472	3.29	6.38
21 RUTIDERMA SPB	10	3	4	4	0	6	27	5	.88	75.32	4.50	3.332	1.00	8.00
22 NEREID(NICON) SPA	5	7	4	5	5	1	27	6	.88	76.20	4.50	1.975	2.43	6.57
23 ISOLDA PULCHELLA	3	3	8	3	2	7	26	6	.84	77.04	4.33	2.503	1.71	6.96
24 AGLAUPHAMUS CIRCINATA	6	6	4	4	0	5	25	5	.81	77.85	4.17	2.229	1.83	6.51
25 CLYMENELLA TORQUATA	5	1	3	3	7	3	22	6	.71	78.57	3.67	2.066	1.50	5.83
26 MINUSPIO CIRRIFFENA	4	0	8	1	4	3	20	5	.65	79.22	3.33	2.805	.39	6.28
27 LISTRIELLA BARNARDI	10	1	1	2	3	1	18	6	.58	79.80	3.00	3.521	-.70	6.70
28 ARICIDEA JEFFREYSII	3	3	3	0	1	7	17	5	.55	80.35	2.83	2.401	.31	5.35
29 OPHIUROIDEA	3	1	5	6	1	1	17	6	.55	80.90	2.83	2.229	.49	5.17
30 HARRANUS PAUCICHELATUS	4	1	4	3	2	2	16	6	.52	81.42	2.67	1.211	1.40	3.94
31 AGLAUPHAMUS VERRILLI	1	4	5	3	3	0	16	5	.52	81.94	2.67	1.862	.71	4.62
32 TEREBELLIDES STROEMII	4	2	2	1	3	2	14	6	.45	82.39	2.33	1.033	1.25	3.42
33 MALDANIDAE	1	3	3	0	2	4	13	5	.42	82.81	2.17	1.472	.62	3.71
34 SPIOPHANES SPA	2	8	0	2	1	0	13	4	.42	83.24	2.17	2.994	-.98	5.31
35 PALEANOTIUS HETEROSETA	0	4	0	0	7	2	13	3	.42	83.66	2.17	2.058	-.83	5.17
36 MAGELONA RUSEA	4	0	4	2	1	2	13	5	.42	84.08	2.17	1.602	.49	3.85
37 PARANIDAE	1	6	2	2	0	2	13	5	.42	84.50	2.17	2.041	.02	4.31
38 AMPELISCA SPB	0	0	6	1	2	3	12	4	.39	84.89	2.00	2.280	-.39	4.39
39 BRISSOPSIS ALTA	2	0	4	0	3	3	12	4	.39	85.20	2.00	1.673	.24	3.76
40 PHORONIDA	0	0	1	4	4	3	12	4	.39	85.67	2.00	1.897	.01	3.99
41 URENIA FUSIFORMIS	1	1	3	1	3	2	11	6	.36	86.02	1.83	.983	.80	2.87
42 AMPELISCA VERRILLI	1	1	0	6	2	1	11	5	.36	86.38	1.83	2.137	-.41	4.08
43 AMAEANA THILOHATA	0	4	0	2	1	4	11	4	.36	86.74	1.83	1.835	-.09	3.76
44 EXOGONE DISPAR	3	0	1	0	5	2	11	4	.36	87.09	1.83	1.941	-.20	3.87
45 DIOPATRA CUPREA	3	0	1	4	2	0	10	4	.32	87.42	1.67	1.633	-.05	3.38
46 CABIRA INCERTA	4	2	0	0	3	0	9	3	.29	87.71	1.50	1.761	-.35	3.35
47 RUTIDERMA SPC	2	0	1	1	3	1	8	5	.26	87.97	1.33	1.033	.25	2.42
48 PLATYSCHNUPHUS SP	2	1	0	1	3	1	8	5	.26	88.23	1.33	1.033	.25	2.42
49 ZOANTHARIA	0	1	3	3	0	1	8	4	.26	88.49	1.33	1.366	-.10	2.77
50 THARYX ANNULOSUS	4	1	0	0	3	0	8	3	.26	88.75	1.33	1.751	-.50	3.17
51 AEDICIRA HELGICAE	5	0	1	0	1	0	7	3	.23	88.98	1.17	1.941	-.87	3.20
52 AMPELISCA CF CRISTATA	1	0	0	1	2	3	7	4	.23	89.20	1.17	1.169	-.06	2.39
53 GONIADA LITTOREA	0	0	0	1	4	2	7	3	.23	89.43	1.17	1.602	-.51	2.85
54 THARYX MARIONI	0	1	3	0	1	2	7	4	.23	89.66	1.17	1.169	-.06	2.39

55	MAGELONA SP	6	0	0	0	0	1	7	2	.23	89.88	1.17	2.481	-1.35	3.69
56	LUCINA MULTILINEATA	0	1	1	3	2	0	7	4	.23	90.11	1.17	1.169	-.06	2.39
57	CALLIANASSA RIFORMIS	2	1	0	2	1	1	7	5	.23	90.34	1.17	.753	.30	1.96
58	SARSIELLA CF GREYI	0	1	2	0	2	2	7	4	.23	90.56	1.17	.983	.13	2.20
59	SOLENI VIRIDIS	0	1	2	1	1	2	7	5	.23	90.79	1.17	.753	.30	1.96
60	CERATOCEPHALE OCULATA	3	2	0	0	0	2	7	3	.23	91.02	1.17	1.329	-.23	2.56
61	TELLINA VERSICOLOR	1	0	0	0	4	2	7	3	.23	91.25	1.17	1.602	-.51	2.85
62	SCOLOPLUS RUBRA	0	1	2	0	3	1	7	4	.23	91.47	1.17	1.169	-.06	2.39
63	GYPTIS VITATA	1	0	2	0	3	1	7	4	.23	91.70	1.17	1.169	-.06	2.39
64	ARICIDEA WASSI	1	1	0	1	3	0	6	4	.19	91.89	1.00	1.095	-.15	2.15
65	NOTOMASTUS LATERICEUS	0	0	0	0	6	0	6	1	.19	92.09	1.00	2.449	-1.57	3.57
66	ABRA AEGUALIS	0	1	1	1	1	2	6	5	.19	92.28	1.00	.632	-.34	1.66
67	CIRRHATULID-B	3	0	0	0	0	3	6	2	.19	92.48	1.00	1.549	-.63	2.63
68	CYCLASPIS VARIANS	0	2	0	1	3	0	6	3	.19	92.67	1.00	1.265	-.33	2.33
69	AMPELISCA AGASSIZI	0	0	3	1	0	1	5	3	.16	92.83	.83	1.169	-.39	2.06
70	LAONICE CIRRHATA	1			1	2	1	5	4	.16	93.00	.83	.753	.04	1.62
71	PARAPHOXUS CF EPISTOMUS	4					1	5	2	.16	93.16	.83	1.602	-.85	2.51
72	NOTOMASTUS HEMIPODUS		1	4				5	2	.16	93.32	.83	1.602	-.85	2.51
73	TEREBELLIDAE	2		1		2		5	3	.16	93.40	.83	.983	-.20	1.87
74	MUNNA SP	1	1	1		2		5	4	.16	93.64	.83	.753	.04	1.62
75	ARMANDIA MACULATA			1	2		2	5	3	.16	93.81	.83	.983	-.20	1.87
76	LUMBRINENIS SP			4				4	1	.13	93.94	.67	1.633	-1.05	2.38
77	ALIGENA TEXASIANA	2			1	1		4	3	.13	94.07	.67	.816	-.19	1.52
78	CADULUS CANOLINENSIS			1	1	2		4	3	.13	94.20	.67	.816	-.19	1.52
79	MULINIA LATERALIS	1		2	1			4	3	.13	94.33	.67	.816	-.19	1.52
80	AMAEANA ACCRAENSIS				2		2	4	2	.13	94.46	.67	1.033	-.42	1.75
81	MUNOCULOIDES SPB	2		1			1	4	3	.13	94.58	.67	.816	-.19	1.52
82	SYNCHELIDIUM CF AMERICANUM	1	1			1	1	4	4	.13	94.71	.67	.516	.12	1.21
83	NUCLANA ACUTA		2	1	1			4	3	.13	94.84	.67	.816	-.19	1.52
84	POLYCHAETA			4				4	1	.13	94.97	.67	1.633	-1.05	2.38
85	UNIPHIS SPA			2		1		3	2	.10	95.07	.50	.837	-.38	1.38
86	SPIOPHANES WIGLEYI			3				3	1	.10	95.17	.50	1.225	-.79	1.79
87	AMPHARETE ACUJIFRONS			1			2	3	2	.10	95.27	.50	.837	-.38	1.38
88	MARPHYSA SANGUINEA					2	1	3	2	.10	95.36	.50	.837	-.38	1.38
89	BRANCHIOSTOMA CARIBAEUM					2	1	3	2	.10	95.46	.50	.837	-.38	1.38
90	PSEUDOPHILOMEDES SPB						3	3	1	.10	95.56	.50	1.225	-.79	1.79
91	POLYDORA CF HARTMANAE	1	2					3	2	.10	95.65	.50	.837	-.38	1.38
92	PHIONOSPIO STEENSTRUPI		3					3	1	.10	95.75	.50	1.225	-.79	1.79
93	PHOTIS SPB		1	1		1		3	3	.10	95.85	.50	.548	-.07	1.07
94	HARBANSUS PAUCICHELATUS		3					3	1	.10	95.95	.50	1.225	-.79	1.79
95	SIGAMBRA TENTACULATA	1		1		1		3	3	.10	96.04	.50	.548	-.07	1.07
96	DIOPATRA CF NEOTRIDENS		1		1	1		3	3	.10	96.14	.50	.548	-.07	1.07
97	PINNOTHERIDAE		1		1			2	2	.06	96.21	.33	.516	-.21	.88
98	NEPHTYIIDAE		1				1	2	2	.06	96.27	.33	.516	-.21	.88
99	SAMYHELLA ELIASONI			1		1		2	2	.06	96.34	.33	.516	-.21	.88
100	GLYCERA SP			1		1		2	2	.06	96.40	.33	.516	-.21	.88
101	CHAETOPTERIDAE	1				1		2	2	.06	96.47	.33	.516	-.21	.88
102	ASTEROPELLA SPA		1					2	2	.06	96.53	.33	.516	-.21	.88
103	AMPHARETIDAE			1			1	2	2	.06	96.60	.33	.516	-.21	.88
104	HARMOTHE IMBRICATA			2				2	1	.06	96.66	.33	.816	-.52	1.19
105	PITAR CORDATUS			1	1			2	2	.06	96.73	.33	.516	-.21	.88
106	OSTHACOD SPB			2				2	1	.06	96.79	.33	.816	-.52	1.19
107	AMPHILOCHUS SP				2			2	1	.06	96.85	.33	.816	-.52	1.19
108	MALACOCEROS VANDERHORSTI			2				2	1	.06	96.92	.33	.816	-.52	1.19
109	MICROSPID PIGMENTATA			1		1		2	2	.06	96.98	.33	.516	-.21	.88
110	ORILUNHEIS MAGNA			2				2	1	.06	97.05	.33	.816	-.52	1.19
111	AUTOMATE SP				1		1	2	2	.06	97.11	.33	.516	-.21	.88
112	EULIMA BIFASCIATA					1	1	2	2	.06	97.18	.33	.516	-.21	.88
113	APOPRIONOSPIO PYGMAEA	2						2	1	.06	97.24	.33	.816	-.52	1.19
114	NOTOMASTUS CF LATERICEUS			2				2	1	.06	97.31	.33	.816	-.52	1.19
115	NATICA CANRENA				2			2	1	.06	97.37	.33	.816	-.52	1.19
116	SCHISTOMERINGOS RUDOLPHI	1				1		2	2	.06	97.44	.33	.516	-.21	.88

117	ASTEROPELLA MACLAUGHLINAE			2	2	1	.06	97.50	.33	.816	-.52	1.19
118	EUCENAMUS PRAELONGUS		1	1	2	2	.06	97.57	.33	.516	-.21	.88
119	POLYNOIDAE			1	2	2	.06	97.63	.33	.516	-.21	.88
120	ONUPHIDAE	1			2	1	.06	97.70	.33	.816	-.52	1.19
121	LUMBRINERIS ALBIDENTATA	1	1		2	2	.06	97.76	.33	.516	-.21	.88
122	LEPTUCHELA SERRATORBITA	1			1	2	.06	97.83	.33	.516	-.21	.88
123	LUMBRINERIS JANUARI		1	1	2	2	.06	97.89	.33	.516	-.21	.88
124	PHYLLODOUCE MUCOSA		1		2	2	.06	97.96	.33	.516	-.21	.88
125	CALAPPIDAE	1			1	1	.03	97.99	.17	.408	-.26	.60
126	LYSIDICE NINETTA		1		1	1	.03	98.02	.17	.408	-.26	.60
127	ASYCHIS ELONGATA			1	1	1	.03	98.05	.17	.408	-.26	.60
128	LEPADOMORPHA	1			1	1	.03	98.09	.17	.408	-.26	.60
129	DENTALIUM SPA		1		1	1	.03	98.12	.17	.408	-.26	.60
130	CALYPTRAEA CENTRALIS	1			1	1	.03	98.15	.17	.408	-.26	.60
131	SAHELLIDAE		1		1	1	.03	98.18	.17	.408	-.26	.60
132	LUCINA AMIANTUS			1	1	1	.03	98.22	.17	.408	-.26	.60
133	SEMELE HELLASTRIATA	1			1	1	.03	98.25	.17	.408	-.26	.60
134	CAECUM IMBRICATUM			1	1	1	.03	98.28	.17	.408	-.26	.60
135	NEHEIS SPC			1	1	1	.03	98.31	.17	.408	-.26	.60
136	CUROPHIUM SP	1			1	1	.03	98.35	.17	.408	-.26	.60
137	DOSINIA ELEGANS	1			1	1	.03	98.38	.17	.408	-.26	.60
138	SCHISTOMERINGOS SPA	1			1	1	.03	98.41	.17	.408	-.26	.60
139	UGYRIDES LIMICOLA			1	1	1	.03	98.44	.17	.408	-.26	.60
140	DENDROCHIROTIDA			1	1	1	.03	98.48	.17	.408	-.26	.60
141	PULYDORA CF CONCHARUM			1	1	1	.03	98.51	.17	.408	-.26	.60
142	ONUPHIS SPF	1			1	1	.03	98.54	.17	.408	-.26	.60
143	PILANGIS BERKELYAE		1		1	1	.03	98.57	.17	.408	-.26	.60
144	OSTRACOD SPJJ		1		1	1	.03	98.61	.17	.408	-.26	.60
145	PULYDORA AGGREGATA		1		1	1	.03	98.64	.17	.408	-.26	.60
146	UUCIOLA SERRATA			1	1	1	.03	98.67	.17	.408	-.26	.60
147	SIGAMMRA BASSI	1			1	1	.03	98.70	.17	.408	-.26	.60
148	GONEPLACIDAE		1		1	1	.03	98.74	.17	.408	-.26	.60
149	SCULELEPIS TEXANA			1	1	1	.03	98.77	.17	.408	-.26	.60
150	TURBONILLA PORTORICANA			1	1	1	.03	98.80	.17	.408	-.26	.60
151	ONUPHIS SPH			1	1	1	.03	98.83	.17	.408	-.26	.60
152	ANABELLA IRICOLOR			1	1	1	.03	98.87	.17	.408	-.26	.60
153	LOVENELLA GRANDIS		1		1	1	.03	98.90	.17	.408	-.26	.60
154	VITMINELLA FLORIDANA			1	1	1	.03	98.93	.17	.408	-.26	.60
155	PARALACYDONIA PARADOXA	1			1	1	.03	98.96	.17	.408	-.26	.60
156	CIRRHATULIDAE			1	1	1	.03	98.99	.17	.408	-.26	.60
157	NEPHIYS INCISA	1			1	1	.03	99.03	.17	.408	-.26	.60
158	FREVILLEA BARBATA		1		1	1	.03	99.06	.17	.408	-.26	.60
159	GONJADA NORVEGICA		1		1	1	.03	99.09	.17	.408	-.26	.60
160	PULYDORA CF SOCIALIS			1	1	1	.03	99.12	.17	.408	-.26	.60
161	SYLLIS SPC	1			1	1	.03	99.16	.17	.408	-.26	.60
162	SPIOPHANES SP			1	1	1	.03	99.19	.17	.408	-.26	.60
163	ARMANDIA AGILIS			1	1	1	.03	99.22	.17	.408	-.26	.60
164	GLYCERA SPH			1	1	1	.03	99.25	.17	.408	-.26	.60
165	GYMNOBLASTEA	1			1	1	.03	99.29	.17	.408	-.26	.60
166	MEGALOMMA CF QUADRIOCULATUM			1	1	1	.03	99.32	.17	.408	-.26	.60
167	HEMICYCLOPS SP			1	1	1	.03	99.35	.17	.408	-.26	.60
168	ONUPHIS NEBULOSA			1	1	1	.03	99.38	.17	.408	-.26	.60
169	SPIONID SPA			1	1	1	.03	99.42	.17	.408	-.26	.60
170	PARAMETUPELLA TEXENSIS	1			1	1	.03	99.45	.17	.408	-.26	.60
171	LOIMIA MEDUSA		1		1	1	.03	99.48	.17	.408	-.26	.60
172	AMPÉLISCA ABDITA	1			1	1	.03	99.51	.17	.408	-.26	.60
173	HARMOHUE TRIMACULATA			1	1	1	.03	99.55	.17	.408	-.26	.60
174	PROCESSA HEMPHILLI	1			1	1	.03	99.58	.17	.408	-.26	.60
175	GLYCERA CAPITATA		1		1	1	.03	99.61	.17	.408	-.26	.60
176	NUIDOMASTUS CF AMERICANUS		1		1	1	.03	99.64	.17	.408	-.26	.60
177	CHIONE CLENCHI		1		1	1	.03	99.68	.17	.408	-.26	.60
178	DENTALIUM TEXASIANUM			1	1	1	.03	99.71	.17	.408	-.26	.60

179	COSSURA DELTA			1	1	.03	99.74	.17	.408	-.26	.60
180	ERICHTHONIAS BRASILIENSIS	1		1	1	.03	99.77	.17	.408	-.26	.60
181	PYLANTHURA CF THICARINA	1		1	1	.03	99.81	.17	.408	-.26	.60
182	CYCLASPIS SPB	1		1	1	.03	99.84	.17	.408	-.26	.60
183	OXYUROSTYLIS SP		1	1	1	.03	99.87	.17	.408	-.26	.60
184	PISTA QUADRILOBATA			1	1	.03	99.90	.17	.408	-.26	.60
185	NEREIS LAMELLOSA		1	1	1	.03	99.94	.17	.408	-.26	.60
186	DIOGENIDAE	1		1	1	.03	99.97	.17	.408	-.26	.60
187	PISTA CRISTATA			1	1	.03	100.00	.17	.408	-.26	.60

NO. OF SPECIES
NO. OF INDIVIDUALS

87 80 78 78 87 88
612 454 598 426 519 475 3084

STATION TRANSECT SPECIES INDIVIDUALS DIVERSITY PIE EQUITABILITY
4 IV 187 3084 5.2226 .9338 .3048

1	NEMERTINEA	4		33	4	10	11	62	5	15.62	15.62	10.33	11.843	-2.10	22.76
2	PARAPRIONOSPIO PINNATA	7	1	10	14	5	5	62	6	15.62	31.23	10.33	11.961	-2.22	22.89
3	LUMBRINERIS PARVAPEDATA	3	6	6	23	8	5	51	6	12.85	44.08	8.50	7.287	.05	16.15
4	EUDONELLA MONODON	2	2	1	9	1	7	22	6	5.54	49.62	3.67	3.445	.05	7.28
5	SPIONIDAE	4		8	9			21	3	5.29	54.91	3.50	4.183	-.09	7.89
6	MEDIOMASTUS CALIFORNIENSIS	1	2	2	5	1	2	13	6	3.27	58.19	2.17	1.472	.62	3.71
7	PARAONIS GRACILIS		1	1	9	1	1	13	5	3.27	61.46	2.17	3.371	-1.37	5.71
8	AMPELISCA ABDITA	1	2		3	5	1	12	5	3.02	64.48	2.00	1.789	.12	3.88
9	SIGAMMRA TENTACULATA	1		2	2	2	3	10	5	2.52	67.00	1.67	1.033	.58	2.75
10	AMPELISCA VERRILLI	2			5	2		9	3	2.27	69.27	1.50	1.975	-.57	3.57
11	THARYX ANNULOSUS				8			8	1	2.02	71.28	1.33	3.266	-2.09	4.76
12	NEREID(NICON) SPA	1	3		3			7	3	1.76	73.05	1.17	1.472	-.38	2.71
13	NOTUMASTUS CF LATERICEUS		1	3	2		1	7	4	1.76	74.81	1.17	1.169	-.06	2.39
14	MAGELONA LONGICORNIS		2	1	2		2	7	4	1.76	76.57	1.17	.983	.13	2.20
15	NEPHTYS INCISA	1			4		1	6	3	1.51	78.09	1.00	1.549	-.63	2.63
16	COSSURA DELTA	1	1	1	1		2	6	5	1.51	79.68	1.00	.632	.34	1.66
17	PARAONIS SPA	1		1	2		1	5	4	1.26	80.86	.83	.753	.04	1.62
18	POLYDORA AGGREGATA			1	4			5	2	1.26	82.12	.83	1.602	-.05	2.51
19	KALLIAPSEUDES SPA		1	1		2	1	4	3	1.01	83.12	.67	.816	-.19	1.52
20	PINNOTHERIDAE		1			1	2	4	3	1.01	84.13	.67	.816	-.19	1.52
21	LUMBRINERIS ALHIDENTATA			2			1	3	2	.76	84.89	.50	.837	-.38	1.38
22	AUTOMATE EVERMANNI	2			1			3	2	.76	85.64	.50	.837	-.38	1.38
23	LUMBRINERIS TENUIS			1	2			3	2	.76	86.40	.50	.837	-.38	1.38
24	NINOE NIGRIPES			1	1	1		3	3	.76	87.15	.50	.548	-.07	1.07
25	COBBULA SWIFTIANA	1			2			3	2	.76	87.91	.50	.837	-.38	1.38
26	DHILONEKEIS MAGNA	2			1			3	2	.76	88.66	.50	.837	-.38	1.38
27	PRIONOSPIO CRISTATA				3			3	1	.76	89.42	.50	1.225	-.79	1.79
28	SIPUNCULA		3					3	1	.76	90.18	.50	1.225	-.79	1.79
29	VOLVULELLA TEXASIANA		1				2	3	2	.76	90.93	.50	.837	-.38	1.38
30	AMPELISCA AGASSIZI	1				1		2	2	.50	91.44	.33	.516	-.21	.88
31	ASYCHIS ELONGATA				1		1	2	2	.50	91.94	.33	.516	-.21	.88
32	MAGELONA KUSEA				2			2	1	.50	92.44	.33	.816	-.52	1.19
33	CIRRATULID-H	1			1			2	2	.50	92.95	.33	.516	-.21	.88
34	ONUPHIS SPD	2						2	1	.50	93.45	.33	.816	-.52	1.19
35	NUCULANA ACUTA				2			2	1	.50	93.95	.33	.816	-.52	1.19
36	TEINOSTOMA HISCAYNENSE				2			2	1	.50	94.46	.33	.816	-.52	1.19
37	NEPHTYIDAE		2					2	1	.50	94.96	.33	.816	-.52	1.19
38	ARICIDEA JEFFREYSII				2			2	1	.50	95.47	.33	.816	-.52	1.19
39	MALACOCEROS VANDERHORSTI	1					1	2	2	.50	95.97	.33	.516	-.21	.88
40	PSEUDEUHYTHOE AMBIGUA			1				1	1	.25	96.22	.17	.408	-.26	.60
41	ARICIDEA TAYLORI				1			1	1	.25	96.47	.17	.408	-.26	.60
42	SCHISTOMENINGOS RUDDOLPHI					1		1	1	.25	96.73	.17	.408	-.26	.60
43	ASYCHIS SP						1	1	1	.25	96.98	.17	.408	-.26	.60
44	NUCULANA CONCENTRICA					1		1	1	.25	97.23	.17	.408	-.26	.60
45	CIRRATULIDAE		1					1	1	.25	97.48	.17	.408	-.26	.60
46	TELEBELLIDES STROEMII	1						1	1	.25	97.73	.17	.408	-.26	.60
47	CHASMOCARCINUS MISSISSIPPIENSIS				1			1	1	.25	97.98	.17	.408	-.26	.60
48	CIRRORPHURUS LYRIFORMIS				1			1	1	.25	98.24	.17	.408	-.26	.60
49	AUTOMATE SP			1				1	1	.25	98.49	.17	.408	-.26	.60
50	VITRINELLA FLORIDANA				1			1	1	.25	98.74	.17	.408	-.26	.60
51	GLYCERA SPH			1				1	1	.25	98.99	.17	.408	-.26	.60
52	MALDANIDAE	1						1	1	.25	99.24	.17	.408	-.26	.60
53	HANINOIDES SP		1					1	1	.25	99.50	.17	.408	-.26	.60
54	HYDROZUA			1				1	1	.25	99.75	.17	.408	-.26	.60
55	SYNCHELIDIUM CF AMERICANUM				1			1	1	.25	100.00	.17	.408	-.26	.60

NO. OF SPECIES 22 15 22 35 16 19
 NO. OF INDIVIDUALS 41 29 80 154 43 50 397

STATION TRANSECT SPECIES INDIVIDUALS DIVERSITY PIE EQUITABILITY
 5 IV 55 397 4.5223 .9238 .6364

STATION 6 TRANSECT IV PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL					95 PCT		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF	LIM
1 MALDANIDAE	3	20	13	25	22	16	99	6	10.06	10.06	16.50	7.860	0.24	24.76
2 PARAMPHINUME PULCHELLA	5	12	7	6	12	14	56	6	5.69	15.75	9.33	3.777	5.37	13.30
3 THYASINA SPA	1	8	16	10	8	4	47	6	4.78	20.53	7.83	5.154	2.42	13.24
4 SABELLIDAE		4	14		16	3	37	4	3.76	24.29	6.17	7.055	-1.24	13.57
5 GLUTIIDIA PYRAMIDATA	7	10	7	5	4	2	35	6	3.56	27.85	5.83	2.787	2.91	8.76
6 SPIOCHAETOPTERUS COSTARUM		10	2	15	2	3	32	5	3.25	31.10	5.33	5.854	-.81	11.48
7 PSEUDOPHILOMEDES SPA	4	4	12	3	6	2	31	6	3.15	34.25	5.17	3.601	1.39	8.95
8 SPHAEROSYLLIS CF SUBLAEVIS		4	5	9	7	1	26	5	2.64	36.89	4.33	3.445	.72	7.95
9 NEMERTINEA		9	1	8	6	1	25	5	2.54	39.43	4.17	3.971	-.00	8.33
10 ASYCHIS SP	2	6	8	3	1	5	25	6	2.54	41.97	4.17	2.639	1.40	6.94
11 RUTIOERMA SPB	1	4	2	7	8	3	25	6	2.54	44.51	4.17	2.787	1.24	7.09
12 OPHIUROIDEA	3	5	5	3	1	4	21	6	2.13	46.65	3.50	1.517	1.91	5.09
13 ASYCHIS ELONGATA	3	3		4	3	6	19	5	1.93	48.58	3.17	1.941	1.13	5.20
14 TEREHELLIDES STROEMII		1	7	5	2	1	16	5	1.63	50.20	2.67	2.733	-.20	5.53
15 PALEANOTUS HETEROSETA	1	6	2	3		4	16	5	1.63	51.83	2.67	2.160	.40	4.93
16 PHILOMEDES SPA	1	4		3	5		13	4	1.32	53.15	2.17	2.137	-.00	4.41
17 AMPHARETIDAE	1	2	1	3	2	3	12	6	1.22	54.37	2.00	.894	1.06	2.94
18 NUCULANA ACUTA		2	3	4		3	12	4	1.22	55.59	2.00	1.673	.24	3.76
19 SIPUNCULA	1		3		5	3	12	4	1.22	56.81	2.00	2.000	-.10	4.10
20 SPIOPHANES SPA		2	2	3	2	2	11	5	1.12	57.93	1.83	.983	.00	2.87
21 CUMACEAN SPI	1	1	2	3	2		9	5	.91	58.84	1.50	1.049	.40	2.60
22 CINNATULIDAE		6			3		9	2	.91	59.76	1.50	2.510	-1.13	4.13
23 SPIONIDAE				3	5		8	2	.81	60.57	1.33	2.160	-.93	3.60
24 NEPHYS INCISA		2	3		3		8	3	.81	61.38	1.33	1.506	-.25	2.91
25 EUDURELLA MUNODON		2	3		1	2	8	4	.81	62.20	1.33	1.211	.06	2.60
26 CORHULA SWIFTIANA	1	1	1	3	2		8	5	.81	63.01	1.33	1.033	.25	2.42
27 FABRICIA SPA				8			8	1	.81	63.82	1.33	3.266	-2.09	4.76
28 MINUSPIO CIRRIFERA				7			7	1	.71	64.53	1.17	2.858	-1.03	4.17
29 STHENOLEPIS CF JAPONICA	1	3	1	1		1	7	5	.71	65.24	1.17	.983	.13	2.20
30 HARBANSUS PAUCICHELATUS	2	1	1	1	2		7	5	.71	65.96	1.17	.753	.38	1.96
31 SANIELLA CF GREYI			1	5	1		7	3	.71	66.67	1.17	1.941	-.87	3.20
32 PARAPRIONOSPIO PINNATA		2		1	2	2	7	4	.71	67.38	1.17	.983	.13	2.20
33 HALIOPHAGMA SPA		1	1	1		3	6	4	.61	67.99	1.00	1.095	-.15	2.15
34 ONUPHIDAE			3	2	1		6	3	.61	68.60	1.00	1.265	-.33	2.33
35 SIGAMBRA TENTACULATA	1	4			1		6	3	.61	69.21	1.00	1.549	-.63	2.63
36 PARASTERUPE LATA			2		3	1	6	3	.61	69.82	1.00	1.265	-.33	2.33
37 DIPLODONTA CF SOROH			1	2		3	6	3	.61	70.43	1.00	1.265	-.33	2.33
38 SYLLIS CORNUTA		3		2		1	6	3	.61	71.04	1.00	1.265	-.33	2.33
39 PARANIDES LYRA		1			4		5	2	.51	71.54	.83	1.602	-.85	2.51
40 GRUBEULEPIS SP		1	3		1		5	3	.51	72.05	.83	1.169	-.39	2.06
41 CERATOCEPHALE OCLULATA	1	1			2	1	5	4	.51	72.56	.83	.753	.04	1.62
42 POLYDORA CF HARTMANAE					1	4	5	2	.51	73.07	.83	1.602	-.85	2.51
43 POLYNOIDAE	1	1			3		5	3	.51	73.58	.83	1.169	-.39	2.06
44 GONIADA NORVEGICA	2			2		1	5	3	.51	74.09	.83	.983	-.20	1.87
45 NOTUMASTUS LATERICEUS		1		4			5	2	.51	74.59	.83	1.602	-.85	2.51
46 AMPHARETE PARVIDENTATA		1		4			5	2	.51	75.10	.83	1.602	-.85	2.51
47 POLYCHAETE SPA		2		3			5	2	.51	75.61	.83	1.329	-.56	2.23
48 APANTHURA MAGNIFICA			2	2		1	5	3	.51	76.12	.83	.983	-.20	1.87
49 NEPHYIIDAE	1			4			5	2	.51	76.63	.83	1.602	-.85	2.51
50 CHAETOPTERIDAE				3	1		4	2	.41	77.03	.67	1.211	-.60	1.94
51 ONUPHIS SPA	1	1	2				4	3	.41	77.44	.67	.816	-.19	1.52
52 NOTUMASTUS CF LATERICEUS				1	1	2	4	3	.41	77.85	.67	.816	-.19	1.52
53 PUECULOCHAETUS JOHNSONI	1		2		1		4	3	.41	78.25	.67	.816	-.19	1.52
54 CHLOEIA VIRIDIS	1		1		2		4	3	.41	78.66	.67	.816	-.19	1.52

55	PARANDALIA SPA	1	1	1	1	4	4	.41	79.07	.67	.516	.12	1.21
56	ONUPHIS SPF	1	1		2	4	3	.41	79.47	.67	.816	-.19	1.52
57	THARYX MARIONT		2	2		4	2	.41	79.88	.67	1.033	-.42	1.75
58	PARAONIS GRACILIS		1	1	2	4	3	.41	80.28	.67	.816	-.19	1.52
59	SYLLIS SPC		1		3	4	2	.41	80.69	.67	1.211	-.60	1.94
60	TELLINIDAE		1			3	2	.41	81.10	.67	1.211	-.60	1.94
61	PHOTIS MACROMANUS		2	2		4	2	.41	81.50	.67	1.033	-.42	1.75
62	CEKAPUS TUBULARIS		2	2		4	2	.41	81.91	.67	1.033	-.42	1.75
63	AUTOMATE EVERMANNI		2	2	2	4	2	.41	82.32	.67	1.033	-.42	1.75
64	PARAONIDAE		2	1		3	2	.30	82.62	.50	.837	-.38	1.38
65	ARMANDIA MACULATA	1			2	3	2	.30	82.93	.50	.837	-.38	1.38
66	SPIOPHANES LONGICIRRHUS			2	1	3	2	.30	83.23	.50	.837	-.38	1.38
67	AGLAUPHAMUS INERMIS			2	1	3	2	.30	83.54	.50	.837	-.38	1.38
68	PTILANTHURA CF TRICARINA	1	1			3	3	.30	83.84	.50	.548	-.07	1.07
69	AEDICINA HELGICAE	1		2		3	2	.30	84.15	.50	.837	-.38	1.38
70	DENDROCHIROTIDA		1		1	3	3	.30	84.45	.50	.548	-.07	1.07
71	VENERIDAE				2	3	2	.30	84.76	.50	.837	-.38	1.38
72	CUSSUMA DELTA		1	2		3	2	.30	85.06	.50	.837	-.38	1.38
73	CAPITELLIDAE			1	2	3	2	.30	85.37	.50	.837	-.38	1.38
74	NOTOMASTUS CF AMERICANUS	3				3	1	.30	85.67	.50	1.225	-.79	1.79
75	MEDIOMASTUS CALIFORNIENSIS	1	1		1	3	3	.30	85.98	.50	.548	-.07	1.07
76	TEMBELLIDAE		1	2		3	2	.30	86.28	.50	.837	-.38	1.38
77	AMPHARETE ACUTIFRONS		1		1	3	3	.30	86.59	.50	.548	-.07	1.07
78	ONUPHIS NEBULOSA		1	2		3	2	.30	86.89	.50	.837	-.38	1.38
79	PHYLLODUCE MUCOSA	1		1	1	3	3	.30	87.20	.50	.548	-.07	1.07
80	CALLIANASSA MARGINATA		2		1	3	2	.30	87.50	.50	.837	-.38	1.38
81	SARSIELLA SPC	1	1		1	3	3	.30	87.80	.50	.548	-.07	1.07
82	CUMACEAN SPC	1	1			2	2	.20	88.01	.33	.516	-.21	.88
83	NOTOMASTUS AMERICANUS			2		2	1	.20	88.21	.33	.816	-.52	1.19
84	ANADARA TRANSVERSA				1	2	2	.20	88.41	.33	.516	-.21	.88
85	CUMACEAN			1		2	2	.20	88.62	.33	.516	-.21	.88
86	AGLAUPHAMUS CIRCINATA	1			1	2	2	.20	88.82	.33	.516	-.21	.88
87	HETEROPHOXUS CF OCULATUS		2			2	1	.20	89.02	.33	.816	-.52	1.19
88	PROCESSIDAE				2	2	1	.20	89.23	.33	.816	-.52	1.19
89	CAPRELLID	1	1			2	2	.20	89.43	.33	.516	-.21	.88
90	OSTRACOD SPMM	1			1	2	2	.20	89.63	.33	.516	-.21	.88
91	KALLIAPSEUDES SPA	1	1		1	2	2	.20	89.84	.33	.516	-.21	.88
92	LUMBRINERIS TENUIS	1	1			2	2	.20	90.04	.33	.516	-.21	.88
93	HANHANUS PAUCICHELATUS				2	2	1	.20	90.24	.33	.816	-.52	1.19
94	PHILINE SAGRA	1		1		2	2	.20	90.45	.33	.516	-.21	.88
95	VAUNTHOMPSONIA SP	1	1			2	2	.20	90.65	.33	.516	-.21	.88
96	DIOPATRA SP	1			1	2	2	.20	90.85	.33	.516	-.21	.88
97	GONEPLACIDAE		1	1		2	2	.20	91.06	.33	.516	-.21	.88
98	DENTALIUM SOWERBYI				2	2	1	.20	91.26	.33	.816	-.52	1.19
99	STENNASPIS SCUTATA	1		1		2	2	.20	91.46	.33	.516	-.21	.88
100	PHOKONIDA		1	1		2	2	.20	91.67	.33	.516	-.21	.88
101	AMPHICTEIS SPA		1	1		2	2	.20	91.87	.33	.516	-.21	.88
102	THARYX ANNULOSUS	1			1	2	2	.20	92.07	.33	.516	-.21	.88
103	LAUNICE CIRRHATA		2			2	1	.20	92.28	.33	.816	-.52	1.19
104	PARALACYDONIA PARADOXA		1		1	2	2	.20	92.48	.33	.516	-.21	.88
105	MAGELONA LONGICORNIS		1		1	2	2	.20	92.68	.33	.516	-.21	.88
106	PILARGIS HEKELYAE		1			2	2	.20	92.89	.33	.516	-.21	.88
107	PANDORA SPA	1	1			2	2	.20	93.09	.33	.516	-.21	.88
108	CEKIANTHARIA			1	1	2	2	.20	93.29	.33	.516	-.21	.88
109	EXOgone DISPAR	1			1	2	2	.20	93.50	.33	.516	-.21	.88
110	ABRA AEUQUALIS		2			2	1	.20	93.70	.33	.816	-.52	1.19
111	CLYMENELLA TORQUATA			1	1	2	2	.20	93.90	.33	.516	-.21	.88
112	SICYONIA DORSALIS			1		1	1	.10	94.00	.17	.408	-.26	.60
113	CUSPIDARIA MEDIA			1		1	1	.10	94.11	.17	.408	-.26	.60
114	LEPTOCHELA CF BERMUDENSIS			1		1	1	.10	94.21	.17	.408	-.26	.60
115	ANOPLDACTYLUS PETIOLATUS		1			1	1	.10	94.31	.17	.408	-.26	.60
116	OSTRACOD SPJJ				1	1	1	.10	94.41	.17	.408	-.26	.60

117	DENTALIIDAE							.10	94.51	.17	.400	-.26	.60
118	LUMBRINERIS CF MAGALHAENSIS							.10	94.61	.17	.400	-.26	.60
119	CHONE SP							.10	94.72	.17	.400	-.26	.60
120	ASTROPECTEN SP							.10	94.82	.17	.400	-.26	.60
121	ASTACILLA CF LAUFFI							.10	94.92	.17	.400	-.26	.60
122	CIRROPHORUS BRANCHIATUS							.10	95.02	.17	.400	-.26	.60
123	BRYOZOA							.10	95.12	.17	.400	-.26	.60
124	ASYCHIS CAROLINAE							.10	95.22	.17	.400	-.26	.60
125	TELLINA SQUAMIFERA							.10	95.33	.17	.400	-.26	.60
126	AMPHARETE AMERICANA							.10	95.43	.17	.400	-.26	.60
127	MEGALOMMA CF QUADRILOCULATUM							.10	95.53	.17	.400	-.26	.60
128	LUMBRINERIS PARVAPEDATA							.10	95.63	.17	.400	-.26	.60
129	NEPHTYS PICTA							.10	95.73	.17	.400	-.26	.60
130	TANAID SPC							.10	95.83	.17	.400	-.26	.60
131	LYONSIA HYALINA FLORIDANA							.10	95.93	.17	.400	-.26	.60
132	SIHENELOIS RUA							.10	96.04	.17	.400	-.26	.60
133	CHASMOCARCINUS MISSISSIPPIENSIS							.10	96.14	.17	.400	-.26	.60
134	ARICIDEA CF FRAGILIS							.10	96.24	.17	.400	-.26	.60
135	SERPULIDAE							.10	96.34	.17	.400	-.26	.60
136	SANGUINULARIA SANGUINOLENTA							.10	96.44	.17	.400	-.26	.60
137	EUNICE SPA							.10	96.54	.17	.400	-.26	.60
138	EUCHONE ROSEA							.10	96.65	.17	.400	-.26	.60
139	AMAEANA ACCHAENSIS							.10	96.75	.17	.400	-.26	.60
140	OPHIOGLYCERA CF DISTORTA							.10	96.85	.17	.400	-.26	.60
141	SPIOPHANES WIGLEYI							.10	96.95	.17	.400	-.26	.60
142	SERPULA VERMICULARIS							.10	97.05	.17	.400	-.26	.60
143	XENANTHURA BREVITELSON							.10	97.15	.17	.400	-.26	.60
144	NEREIDAE							.10	97.26	.17	.400	-.26	.60
145	HETEROSPID LONGISSIMA							.10	97.36	.17	.400	-.26	.60
146	GONIADIDAE							.10	97.46	.17	.400	-.26	.60
147	POLYDORA CF SOCIALIS							.10	97.56	.17	.400	-.26	.60
148	LEUCOSIIDAE							.10	97.66	.17	.400	-.26	.60
149	CRASSINELLA MARTINICENSIS							.10	97.76	.17	.400	-.26	.60
150	CALLIANASSA SP							.10	97.87	.17	.400	-.26	.60
151	AUTOMATE SP							.10	97.97	.17	.400	-.26	.60
152	DRILONEREIS MAGNA							.10	98.07	.17	.400	-.26	.60
153	SYLLIS SPB							.10	98.17	.17	.400	-.26	.60
154	TANAID SPC							.10	98.27	.17	.400	-.26	.60
155	CLYTIA LONGICYATHA							.10	98.37	.17	.400	-.26	.60
156	LUMBRINERIS							.10	98.48	.17	.400	-.26	.60
157	MARPHYSA SPB							.10	98.58	.17	.400	-.26	.60
158	CIRROPHORUS LYRIFORMIS							.10	98.68	.17	.400	-.26	.60
159	MAGELONA PHYLLISAE							.10	98.78	.17	.400	-.26	.60
160	CERATONEREIS IRRITABILIS							.10	98.88	.17	.400	-.26	.60
161	DENTALIUM CF EBOREUM							.10	98.98	.17	.400	-.26	.60
162	LUMBRINERIS SP							.10	99.09	.17	.400	-.26	.60
163	PITAR CORDATUS							.10	99.19	.17	.400	-.26	.60
164	MEGALOMMA CF LOBIFERUM							.10	99.29	.17	.400	-.26	.60
165	AMPELISCA ABOITA							.10	99.39	.17	.400	-.26	.60
166	PARAONIS SPA							.10	99.49	.17	.400	-.26	.60
167	GONIADA TERES							.10	99.59	.17	.400	-.26	.60
168	SYLLIS FERRUGINA							.10	99.70	.17	.400	-.26	.60
169	WEBSTERINEREIS TRIDENTATA							.10	99.80	.17	.400	-.26	.60
170	DENTALIUM TEXASIANUM							.10	99.90	.17	.400	-.26	.60
171	NATICA SP							.10	100.00	.17	.400	-.26	.60

NO. OF SPECIES 34 72 75 74 74 53
 NO. OF INDIVIDUALS 56 190 185 227 197 129 984

STATION TRANSECT SPECIES INDIVIDUALS DIVERSITY PIE EQUITABILITY
 6 IV 171 984 6.2244 .9740 .6667

STATION 7 TRANSECT IV PERIOD 77WINTER

SPECIES	REPLICATE						TOTAL			ACC PCT	MEAN	STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT				CONF	LIM
1 NEMERTINEA	5	1		1		10	17	4	11.33	11.33	2.03	3.971	-1.33	7.00
2 THARYX MARIONI	2				10	3	17	4	11.33	22.67	2.03	3.710	-1.06	6.73
3 PARAPRIONOSPPIO PINNATA	2	1	6		3	4	16	5	10.67	33.33	2.67	2.160	.40	4.93
4 PARADNIS SPA	1	1	2	3	1	4	12	6	8.00	41.33	2.00	1.265	.67	3.33
5 STERNASPIS SCUTATA		1	2	2		2	7	4	4.67	46.00	1.17	.983	.13	2.20
6 PARALACYDONIA PARADOXA		1		1	1	3	6	4	4.00	50.00	1.00	1.095	-.15	2.15
7 COSSURA DELTA	2	1				2	5	3	3.33	53.33	.83	.983	-.20	1.07
8 PARADNIS GRACILIS	1			1	3		5	3	3.33	56.67	.83	1.169	-.39	2.06
9 NEPHTYS INCISA			2	1	1	1	5	4	3.33	60.00	.83	.753	.04	1.62
10 SIPUNCULA	2				1	1	4	3	2.67	62.67	.67	.816	-.19	1.52
11 LUMBRINERIS TENUIS		1			1	1	3	3	2.00	64.67	.50	.540	-.07	1.07
12 OPHTHUROIDEA	1		1			1	3	3	2.00	66.67	.50	.540	-.07	1.07
13 SIGAMBRA TENTACULATA	2					1	3	2	2.00	68.67	.50	.837	-.30	1.30
14 GONIADA MACULATA					1	2	3	2	2.00	70.67	.50	.837	-.30	1.30
15 THYASIRA PYGMAEA		1	2				3	2	2.00	72.67	.50	.837	-.30	1.30
16 AGLAOPHAMUS CIRCINATA				1		1	3	3	2.00	74.67	.50	.540	-.07	1.07
17 PITAR CORDATUS	1		3				3	1	2.00	76.67	.50	1.225	-.79	1.79
18 NINOE NIGRIPES					1	1	2	2	1.33	78.00	.33	.516	-.21	.80
19 SPIONIDAE						2	2	1	1.33	79.33	.33	.816	-.52	1.19
20 SYLLIS SPC			1			1	2	2	1.33	80.67	.33	.516	-.21	.80
21 MINUSPIO CIRRIFERA		1					1	1	.67	81.33	.17	.400	-.26	.60
22 MEIODONVILLEA SPA						1	1	1	.67	82.00	.17	.400	-.26	.60
23 AMPHICTEIS GUNNERI			1				1	1	.67	82.67	.17	.400	-.26	.60
24 NOTOMASTUS HEMIPODUS			1				1	1	.67	83.33	.17	.400	-.26	.60
25 TEREBELLIDES STROEMII			1				1	1	.67	84.00	.17	.400	-.26	.60
26 LUMBRINERIS PARVAPEDATA			1				1	1	.67	84.67	.17	.400	-.26	.60
27 NEPHTYIDAE		1					1	1	.67	85.33	.17	.400	-.26	.60
28 VOLVULELLA RECTA				1			1	1	.67	86.00	.17	.400	-.26	.60
29 AMPELISCA VERRILLI		1					1	1	.67	86.67	.17	.400	-.26	.60
30 ANCISTROSYLLIS GROENLANDICA						1	1	1	.67	87.33	.17	.400	-.26	.60
31 DENTALIUM SOMERBYI					1		1	1	.67	88.00	.17	.400	-.26	.60
32 SYLLIS CORNUTA		1					1	1	.67	88.67	.17	.400	-.26	.60
33 PILARGIS BERKELYAE		1					1	1	.67	89.33	.17	.400	-.26	.60
34 BYRLIS CF AFFINIS		1					1	1	.67	90.00	.17	.400	-.26	.60
35 SABELLIIDAE						1	1	1	.67	90.67	.17	.400	-.26	.60
36 CIRROPURUS BRANCHIATUS						1	1	1	.67	91.33	.17	.400	-.26	.60
37 STHENOLEPIS CF JAPONICA				1			1	1	.67	92.00	.17	.400	-.26	.60
38 ONUPHIS SPA		1					1	1	.67	92.67	.17	.400	-.26	.60
39 MUIRA ATROPOS						1	1	1	.67	93.33	.17	.400	-.26	.60
40 HEIEROSPPIO LONGISSIMA				1			1	1	.67	94.00	.17	.400	-.26	.60
41 ACTINIARIA SPA				1			1	1	.67	94.67	.17	.400	-.26	.60
42 CALLIANASSA LATISPINA					1		1	1	.67	95.33	.17	.400	-.26	.60
43 AMYGDALUM PAPHIRIUM		1					1	1	.67	96.00	.17	.400	-.26	.60
44 SCUTOPUS SPA			1				1	1	.67	96.67	.17	.400	-.26	.60
45 TELLINIDAE		1					1	1	.67	97.33	.17	.400	-.26	.60
46 VOLVULELLA TEXASIANA			1				1	1	.67	98.00	.17	.400	-.26	.60
47 PHILUMEDES SPA				1			1	1	.67	98.67	.17	.400	-.26	.60
48 PHILINE SAGRA		1					1	1	.67	99.33	.17	.400	-.26	.60
49 ALTERNOCHELATA SPA			1				1	1	.67	100.00	.17	.400	-.26	.60

NO. OF SPECIES 11 16 17 12 14 20
 NO. OF INDIVIDUALS 20 16 29 15 28 42 150

STATION 7 TRANSECT IV SPECIES 49 INDIVIDUALS 150 DIVERSITY 4.8150 PIE .9504 EQUITABILITY .8776

STATION 1 TRANSECT 1 PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL AROUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
	1	2	3	4	5	6								
1 PARAPRIODOSPID PINNATA	30	31	35	20	73	18	207	6	35.00	35.00	34.50	19.987	13.52	55.40
2 MAGELUNA PHYLLISAE	33	14		23	21	10	101	5	17.12	52.20	16.83	11.444	4.82	28.85
3 MEDIUMASTIUS CALIFORNIENSIS	6	2	32	14	22	3	79	6	13.39	65.50	13.17	11.900	.63	25.70
4 VITRINELLA FLORIDANA			10	5	13		28	3	4.75	70.34	4.67	5.715	-1.33	10.67
5 CUSSIRA DELTA	5	6	1	3	6	4	25	6	4.24	74.50	4.17	1.941	2.13	6.20
6 NEMERTINEA		1	16	5	1	1	24	5	4.07	78.64	4.00	6.132	-2.44	10.44
7 NEPHYS INCISA	7	2	3	1	5	1	19	6	3.22	81.06	3.17	2.401	.65	5.69
8 SIPUNCULA	3	1	1	3	6		14	5	2.37	84.24	2.33	2.169	.87	4.60
9 ANCISTROSYLLIS JONESI	1	2	2		6		11	4	1.86	86.10	1.83	2.229	-.51	4.17
10 MAGELUNA LONGICORNIS			9		1	1	11	3	1.86	87.97	1.83	3.545	-1.89	5.55
11 ASYCHIS SP	1	5		1		4	11	4	1.86	89.83	1.83	2.137	-.41	4.00
12 OPHIURIDEA	9						9	1	1.53	91.36	1.50	3.674	-2.36	5.36
13 TEINOSTOMA BISCAYNENSE	5				2		7	2	1.19	92.54	1.17	2.041	-.98	3.31
14 TEREKRA PROTETA	2			1	2		5	3	.85	93.39	.83	.983	-.20	1.87
15 SIGAMBRA TENTACULATA		1	1	1	1		4	4	.68	94.07	.67	.516	-.12	1.21
16 NOTOMASTIUS CF LATERICEUS	3	1					4	2	.68	94.75	.67	1.211	-.60	1.94
17 NINOE NIGRIPES	1		1			1	3	3	.51	95.25	.50	.500	-.07	1.07
18 PARANIS GRACILIS		1	2				3	2	.51	95.76	.50	.837	-.38	1.38
19 SIGAMBRA HASSI			2				2	1	.34	96.14	.33	.816	-.52	1.19
20 NUCULANA CONCENTRICA				2			2	1	.34	96.44	.33	.816	-.52	1.19
21 LUMBRINERIS PARVAPEDATA			1		1		2	2	.34	96.78	.33	.516	-.21	.88
22 PARANIDAE			1			1	2	2	.34	97.12	.33	.516	-.21	.88
23 PINNOTHERIDAE			2				2	1	.34	97.46	.33	.816	-.52	1.19
24 NATICA CANRENA			1				1	1	.17	97.63	.17	.408	-.26	.60
25 PIAR CURDATUS						1	1	1	.17	97.80	.17	.408	-.26	.60
26 ALPHEUS FLORIDANUS	1						1	1	.17	97.97	.17	.408	-.26	.60
27 TRACHYPENAEUS SIMILIS				1			1	1	.17	98.14	.17	.408	-.26	.60
28 SPIOPHANES SPA						1	1	1	.17	98.31	.17	.408	-.26	.60
29 LUMBRINERIS TENNIS					1		1	1	.17	98.47	.17	.408	-.26	.60
30 SPIONIDAE			1				1	1	.17	98.64	.17	.408	-.26	.60
31 ANCISTROSYLLIS GROENLANDICA			1				1	1	.17	98.81	.17	.408	-.26	.60
32 NOTOMASTIUS AMERICANUS	1						1	1	.17	98.98	.17	.408	-.26	.60
33 THARYX HARIOI	1						1	1	.17	99.15	.17	.408	-.26	.60
34 DIOPATRA SP	1						1	1	.17	99.32	.17	.408	-.26	.60
35 NOTOMASTIUS LONATUS				1			1	1	.17	99.49	.17	.408	-.26	.60
36 PALAENDIUS HETEROSETA			1				1	1	.17	99.66	.17	.408	-.26	.60
37 DIOPATRA CF NEOTRIDENS						1	1	1	.17	99.83	.17	.408	-.26	.60
38 LISIRIELLA HARNANDI						1	1	1	.17	100.00	.17	.408	-.26	.60

NO. OF SPECIES 17 12 20 14 15 14
 NO. OF INDIVIDUALS 110 67 123 81 161 48 590

STATION 1 TRANSECT 1 SPECIES 38 INDIVIDUALS 590 DIVERSITY 3.3334 PIE .8220 EQUITABILITY .3947

STATION 2 TRANSECT 1 PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL					STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		CONF	LIM
1 ASYCHIS SP	56	21	15	25	33	25	175	6	20.47	20.47	29.17	14.400	14.05	44.20
2 PARADIS SPA	33	43	19	19	15	9	130	6	16.14	36.61	23.00	12.586	9.79	36.21
3 PARAPRIONOSPIO PINNATA	20	12	12	13	9	21	87	6	10.18	46.78	14.50	4.848	9.41	19.59
4 PARADIS GRACILIS	10	9	6	7	6	8	46	6	5.30	52.16	7.67	1.633	5.95	9.38
5 ASYCHIS ELONGATA	6	2	3	12	9	2	34	6	3.90	56.14	5.67	4.131	1.33	10.00
6 LUMBRINERIS PARVAPEDATA	5	5	4	7	6	4	31	6	3.63	54.77	5.17	1.169	3.94	6.39
7 MAGELONA LONGICORNIS	5	6	5	1	5	5	27	6	3.16	62.92	4.50	1.761	2.65	6.35
8 APSEUDES SPA		1					25	2	3.04	65.96	4.33	10.132	-6.30	14.97
9 NEMERTINEA	7				8	8	23	3	2.69	68.65	3.83	4.215	-0.59	8.26
10 NEPHIYS INCISA	4		3	5	5	2	19	5	2.22	70.80	3.17	1.941	1.13	5.20
11 COSSURA DELTA	3	1	2	3	2	5	16	6	1.07	72.75	2.67	1.366	1.23	4.10
12 NATICA SP	1	5	3	3	1		13	5	1.52	70.27	2.17	1.835	.24	4.09
13 AMPELISCA ABDITA	1	1	1	1	4	4	12	6	1.40	75.67	2.00	1.549	.37	3.63
14 SPIDNIDAE		2	4	5		1	12	4	1.40	77.00	2.00	2.090	-0.20	4.20
15 VOLVOLELLA TEXASIANA	3		3		5		11	3	1.29	78.36	1.83	2.137	-0.41	4.00
16 AMPELISCA VERMILLI		2	2	1	2	3	10	5	1.17	79.53	1.67	1.053	.50	2.75
17 LAONICE CIRRATA	2	1	2	1	2	1	9	6	1.05	80.58	1.50	.548	.93	2.07
18 NOTOMASTUS CF LATERICEUS	2	1	1	1	3	2	9	5	1.05	81.64	1.50	1.049	.40	2.60
19 CIRROPHORUS LYRIFORMIS	2	3	1	1	1	1	9	6	1.05	82.69	1.50	.837	.62	2.38
20 AMPELISCA AGASSIZI				1	6		7	2	.82	83.51	1.17	2.401	-1.35	3.69
21 CORHULA SWIFTIANA	1				4	2	7	3	.82	84.33	1.17	1.602	-0.51	2.85
22 EUDORELLA MONODON				1	2	3	6	3	.70	85.03	1.00	1.265	-0.33	2.33
23 ABRA AEGUALIS					4	2	6	2	.70	85.73	1.00	1.673	-0.76	2.76
24 MEDIOMASTUS CALIFORNIENSIS	2		1		1	2	6	4	.70	86.43	1.00	.894	.06	1.94
25 LISTRIELLA BARNARDI					1	4	5	2	.58	87.02	.83	1.602	-0.85	2.51
26 NOTOMASTUS AMERICANUS	1		1	1	1	1	5	5	.58	87.60	.83	.400	.40	1.26
27 CIRROPHORUS BRANCHIATUS			2		1	2	5	3	.58	88.19	.83	.983	-0.20	1.87
28 THARYX MARIONI			2	2	1		5	3	.58	88.77	.83	.983	-0.20	1.87
29 MAGELONA ROSEA	2	2					4	2	.47	89.24	.67	1.033	-0.42	1.75
30 NEREID(NICUN) SPA	1	1	2				4	3	.47	89.71	.67	.816	-0.19	1.52
31 SIGAMBRA TENTACULATA	1	1	1		1		4	4	.47	90.18	.67	.516	.12	1.21
32 TELLINIDAE		1	2			1	4	3	.47	90.64	.67	.816	-0.19	1.52
33 NEREID SPB			1	2		1	4	3	.47	91.11	.67	.816	-0.19	1.52
34 PHORONIDA		1			1	1	3	3	.35	91.46	.50	.548	-0.07	1.07
35 OPHTHURIDAE		2			1		3	2	.35	91.81	.50	.837	-0.38	1.30
36 AEDICIRA BELGICAE	1				1	1	3	3	.35	92.16	.50	.548	-0.07	1.07
37 PINNOTHERIDAE	2				1		3	2	.35	92.51	.50	.837	-0.38	1.30
38 THYASIRA SPA	1		1	1			3	3	.35	92.87	.50	.548	-0.07	1.07
39 VITRINELLA FLORIDANA	1		1		1		3	3	.35	93.22	.50	.548	-0.07	1.07
40 NOTOMASTUS LATERICEUS				1		2	3	2	.35	93.57	.50	.837	-0.38	1.30
41 DRILONEREIS MAGNA	1			1	1		3	3	.35	93.92	.50	.548	-0.07	1.07
42 THARYX FILIBRANCHIA					1	1	2	2	.23	94.15	.33	.516	-0.21	.88
43 MINUSPIO LONGIBRANCHIATA					2		2	1	.23	94.39	.33	.816	-0.52	1.19
44 AMPHARETE ACUTIFRONS					1	1	2	2	.23	94.62	.33	.516	-0.21	.88
45 LIMNORIA SP	1			1			2	2	.23	94.85	.33	.516	-0.21	.88
46 KALLIAPSEUDES SPA	1			1			2	2	.23	95.09	.33	.516	-0.21	.88
47 OPHIOGLYCERA CF DISTURIA		2					2	1	.23	95.32	.33	.816	-0.52	1.19
48 ONUPHIS SPA					1	1	2	2	.23	95.56	.33	.516	-0.21	.88
49 NEPHIYIDAE		1		1			2	2	.23	95.79	.33	.516	-0.21	.88
50 ARMANDIA MACULATA		1		1			2	2	.23	96.02	.33	.516	-0.21	.88
51 PISTIA CHRISTATA	1			1			2	2	.23	96.26	.33	.516	-0.21	.88
52 ARJCIDEA TAYLORI						2	2	1	.23	96.49	.33	.816	-0.52	1.19
53 NINOE NIGRIPES	1			1			2	2	.23	96.73	.33	.516	-0.21	.88
54 AMPHARETE PARVIDENTATA				1		1	2	2	.23	96.96	.33	.516	-0.21	.88

55	AUTOMATE SP			2		2	1	.23	97.19	.33	.816	-.52	1.19
56	ERIOPIISA SPH					1	1	.12	97.31	.17	.408	-.26	.60
57	OPHIOLYGCERA DISTORTA		1			1	1	.12	97.43	.17	.408	-.26	.60
58	ALPHEUS SP			1		1	1	.12	97.54	.17	.408	-.26	.60
59	UNCIOIA SERRATA					1	1	.12	97.66	.17	.408	-.26	.60
60	CIRRHATULIDAE		1			1	1	.12	97.78	.17	.408	-.26	.60
61	HYALA SPA			1		1	1	.12	97.89	.17	.408	-.26	.60
62	ANICIDEA CF FRAGILIS			1		1	1	.12	98.01	.17	.408	-.26	.60
63	PARAONIDAE		1			1	1	.12	98.13	.17	.408	-.26	.60
64	CHASMOCARCINUS MISSISSIPPIENSTIS		1			1	1	.12	98.25	.17	.408	-.26	.60
65	DIOPATRA TRIIDENTATA			1		1	1	.12	98.36	.17	.408	-.26	.60
66	PHOTIS MACROMANUS		1			1	1	.12	98.48	.17	.408	-.26	.60
67	GLYCERA TESSELATA				1	1	1	.12	98.60	.17	.408	-.26	.60
68	GLYCERA CAPITATA		1			1	1	.12	98.71	.17	.408	-.26	.60
69	LEIOLAMHKUS NIIDUS			1		1	1	.12	98.83	.17	.408	-.26	.60
70	ANICIDEA WASSI			1		1	1	.12	98.95	.17	.408	-.26	.60
71	AMPHICIEIS GUNNERI			1		1	1	.12	99.06	.17	.408	-.26	.60
72	LUMBRINERIS TENUIS		1			1	1	.12	99.18	.17	.408	-.26	.60
73	HIPPOMEDON CF SERNATUS			1		1	1	.12	99.30	.17	.408	-.26	.60
74	MONOCULOIDES SPH			1		1	1	.12	99.42	.17	.408	-.26	.60
75	MICROSPIDU PIGMENTATA				1	1	1	.12	99.53	.17	.408	-.26	.60
76	ANCISTRUSYLLIS PAPILLOSA		1			1	1	.12	99.65	.17	.408	-.26	.60
77	MAGELUNA PETTIBONEAE		1			1	1	.12	99.77	.17	.408	-.26	.60
78	SIRENELAIS HOA		1			1	1	.12	99.88	.17	.408	-.26	.60
79	SCOLELEPIS TEXANA			1		1	1	.12	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	36	28	32	36	44	33	
NO. OF INDIVIDUALS	183	130	105	125	160	152	855

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	1	79	855	4.5370	.9115	.4430

STATION 3 TRANSECT I PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL				95 PCT			
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF	LIM
1 SIPUNCULA	2	5	5	1	3	2	18	6	5.94	5.94	3.00	1.673	1.24	4.76
2 PARADONIS GRACILIS	2	1	1	6	3	1	14	6	4.62	10.56	2.33	1.966	.27	4.40
3 PITAK CURVATUS	3	1	4		3	2	13	5	4.29	14.85	2.17	1.472	.62	3.71
4 THARYX MARIONI	3		4		2	3	12	4	3.96	18.81	2.00	1.673	.24	3.76
5 NYALA SPA				1		11	12	2	3.96	22.77	2.00	4.427	-2.65	6.65
6 ERIOPISA INCISA						12	12	1	3.96	26.73	2.00	4.899	-3.14	7.14
7 ALIENOCHEFLATA SPA	4		4		1	2	11	4	3.63	30.36	1.83	1.835	-.09	3.76
8 CYCLOCARDIA ARMILLA			4		4	2	10	3	3.30	33.66	1.67	1.966	-.44	3.73
9 SARSIELLA CF GREYI		1	4	1		3	9	4	2.97	36.63	1.50	1.643	-.22	3.22
10 HANRHANSUS PAUCICHELATUS	5	1			2		8	3	2.64	39.27	1.33	1.966	-.73	3.40
11 SIGAMBRA TENTACULATA	2		3	2		1	8	4	2.64	41.91	1.33	1.211	-.06	2.60
12 ARMANDIA MACULATA	5	1			1	1	8	4	2.64	44.55	1.33	1.862	-.62	3.29
13 PARALACYDONIA PARADOXA	2	1	2		2		7	4	2.31	46.86	1.17	.983	.13	2.20
14 PARAPRIONOSPION PINNATA	2	1	3		1		7	4	2.31	49.17	1.17	1.169	-.46	2.39
15 AGLAOPHAMUS CIRCINATA	1		4		1	1	7	4	2.31	51.49	1.17	1.472	-.38	2.71
16 SPIONIDAE			1	1		4	6	3	1.98	53.47	1.00	1.549	-.63	2.63
17 NEMERTINEA		1	1	2		1	5	4	1.65	55.12	.83	.753	.04	1.62
18 LUMBRINERIS PARVAPEDATA	1	1	2	1			5	4	1.65	56.77	.83	.753	.04	1.62
19 THYASIRA PYGMAEA	3		1			1	5	3	1.65	58.42	.83	1.169	-.39	2.06
20 NYLLIS CF AFFINIS	1	1				2	4	3	1.32	59.74	.67	.816	-.19	1.52
21 AMPHARETIIDAE	3		1				4	2	1.32	61.06	.67	1.211	-.60	1.94
22 PHILOMEDUS SPA	4						4	1	1.32	62.38	.67	1.633	-1.05	2.38
23 FALCIDENS SPA					3	1	4	2	1.32	63.70	.67	1.211	-.60	1.94
24 SANGUINOLARIA SANGUINOLENTA	3		1				4	2	1.32	65.02	.67	1.211	-.60	1.94
25 SCOTOPUS SPA	1					2	3	2	.99	66.41	.50	.837	-.38	1.38
26 NATICA SP	1		1	1			3	3	.99	67.80	.50	.548	-.07	1.07
27 NUCULANA PLATESSA			1		1	1	3	3	.99	67.99	.50	.548	-.07	1.07
28 PHILINE SAGRA	3						3	1	.99	68.98	.50	1.225	-.79	1.79
29 AMPELISCA SPA			3				3	1	.99	69.97	.50	1.225	-.79	1.79
30 HETEROPHOXUS CF UCULATUS			1	1		1	3	3	.99	70.96	.50	.548	-.07	1.07
31 TANAID SPA			2		1		3	2	.99	71.95	.50	.837	-.38	1.38
32 MAGELUNA PHYLLISAE	1		1			1	3	3	.99	72.94	.50	.548	-.07	1.07
33 SANSTIELLA SPJ	3						3	1	.99	73.93	.50	1.225	-.79	1.79
34 SYLLIDAE	1		1		1		3	3	.99	74.92	.50	.548	-.07	1.07
35 COSSURA DELIA			1		1	1	3	3	.99	75.91	.50	.548	-.07	1.07
36 NEPHYTS INCISA			3				3	1	.99	76.90	.50	1.225	-.79	1.79
37 GLYCERA TESSELATA	1		2				3	2	.99	77.89	.50	.837	-.38	1.38
38 NINOE NIGRIPES			1	1			2	2	.66	78.55	.33	.516	-.21	.88
39 DENTALIUM SOWERBYI	1					1	2	2	.66	79.21	.33	.516	-.21	.88
40 HIPPOMEDON CF SERRATUS	1		1				2	2	.66	79.87	.33	.516	-.21	.88
41 TANAID SPI	1		1				2	2	.66	80.53	.33	.516	-.21	.88
42 DIPLOCIRRUS SP						2	2	1	.66	81.19	.33	.816	-.52	1.19
43 OSIRACOD SPAA	1		1				2	2	.66	81.85	.33	.516	-.21	.88
44 SABELLIIDAE	1					1	2	2	.66	82.51	.33	.516	-.21	.88
45 GONIADA MACULATA	1					1	2	2	.66	83.17	.33	.516	-.21	.88
46 STERNASPIS SCUTATA			1		1		2	2	.66	83.83	.33	.516	-.21	.88
47 NEPHYIIDAE			2				2	1	.66	84.49	.33	.816	-.52	1.19
48 PARADONIS SPA			2				2	1	.66	85.15	.33	.816	-.52	1.19
49 ANOMALOCARDIA AUERIANA	1					1	2	2	.66	85.81	.33	.516	-.21	.88
50 ANCIROSYLLIS GROENLANDICA			2				2	1	.66	86.47	.33	.816	-.52	1.19
51 SYLLIS SPC				1			1	1	.33	86.80	.17	.408	-.26	.60
52 ONUPHIS SPB	1						1	1	.33	87.13	.17	.408	-.26	.60
53 ONUPHIDAE	1						1	1	.33	87.46	.17	.408	-.26	.60
54 UWENIA FUSIFORMIS					1		1	1	.33	87.79	.17	.408	-.26	.60

55	OSTRACOD SPY					.33	88.12	.17	.408	-.26	.60
56	STREHELAIS HUA					.33	88.45	.17	.408	-.26	.60
57	ACTINIARIA					.33	88.78	.17	.408	-.26	.60
58	RINICULA SEMISTRIATA					.33	89.11	.17	.408	-.26	.60
59	TANATD SPK					.33	89.44	.17	.408	-.26	.60
60	PARAMEKODON SP					.33	89.77	.17	.408	-.26	.60
61	ALHA AEUJALIS					.33	90.10	.17	.408	-.26	.60
62	ACTINIARIA SPA					.33	90.43	.17	.408	-.26	.60
63	PARAPHOXUS SP					.33	90.76	.17	.408	-.26	.60
64	SARSIELLA SPM					.33	91.09	.17	.408	-.26	.60
65	CUMACEAN SPF					.33	91.42	.17	.408	-.26	.60
66	TANATD SPJ					.33	91.75	.17	.408	-.26	.60
67	MEGALOMMA CF QUADRIOCULATUM					.33	92.08	.17	.408	-.26	.60
68	OSTRACOD SPD					.33	92.41	.17	.408	-.26	.60
69	MONOCULOIDES SPC					.33	92.74	.17	.408	-.26	.60
70	LAONOME SP					.33	93.07	.17	.408	-.26	.60
71	HYDROZOA					.33	93.40	.17	.408	-.26	.60
72	VULVULELLA TEXASIANA					.33	93.73	.17	.408	-.26	.60
73	SCAPHANDER WATSONI					.33	94.06	.17	.408	-.26	.60
74	LUMBRINERIS ALBIDENTATA					.33	94.39	.17	.408	-.26	.60
75	EUCHOYE ROSEA					.33	94.72	.17	.408	-.26	.60
76	CRASSINELLA MARTINICENSIS					.33	95.05	.17	.408	-.26	.60
77	SPIOPHANES WIGLEYI					.33	95.38	.17	.408	-.26	.60
78	MEDIOMASTUS CALIFORNIENSIS					.33	95.71	.17	.408	-.26	.60
79	SPIOPHANES LONGICIRRUS					.33	96.04	.17	.408	-.26	.60
80	PARASTEROPE LATA					.33	96.37	.17	.408	-.26	.60
81	AEDICIRA ALBATROSSAE					.33	96.70	.17	.408	-.26	.60
82	SPIOPHANES SPA					.33	97.03	.17	.408	-.26	.60
83	CERATOCEPHALE OCULATA					.33	97.36	.17	.408	-.26	.60
84	PARDALISCIO SPA					.33	97.69	.17	.408	-.26	.60
85	OPHIODROMUS OBSCURUS					.33	98.02	.17	.408	-.26	.60
86	XENANTHOKA BREVITELSON					.33	98.35	.17	.408	-.26	.60
87	CALLIANASSA ATLANTICA					.33	98.68	.17	.408	-.26	.60
88	PULCILLILHAETUS JOHNSONI					.33	99.01	.17	.408	-.26	.60
89	AEDICIRA BELGICAE					.33	99.34	.17	.408	-.26	.60
90	CALLIANASSA LATISPINA					.33	99.67	.17	.408	-.26	.60
91	ONUPHIS SPA					.33	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	46	12	51	13	18	33	
NO. OF INDIVIDUALS	79	16	88	20	31	69	303

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	1	91	303	5.8951	.9797	1.0000

STATION 4 TRANSECT I PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL ABUND	UCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
	1	2	3	4	5	6								
1 MAGELONA PHYLLISAE	134	164	75	135	170	141	819	6	25.86	25.86	136.50	33.733	101.09	171.91
2 LUMBRINERIS PARVAPEDATA	88	167	91	119	65	96	566	6	17.87	43.73	94.33	18.348	75.07	113.59
3 PARAPHRIONUSPID PINNATA	36	66	35	59	78	56	330	6	10.42	54.15	55.00	16.900	37.26	72.74
4 SIPUNCULA	62	45	55	18	22	12	214	6	6.76	60.91	35.67	21.040	13.58	57.75
5 MEDIOCASTUS CALIFORNIENSIS	14	74	14	18	68	20	208	6	6.57	67.48	34.67	28.303	4.96	64.37
6 AHKA AEGUALIS	5	19	124	3	22	12	185	6	5.84	73.32	30.83	46.249	-17.71	79.38
7 NEMERTINEA	37	18	16	2	5	19	97	6	3.06	76.38	16.17	12.416	3.13	29.20
8 OPHIURIDAE		39	1	18	16	2	76	5	2.40	78.70	12.67	15.122	-3.21	28.54
9 NERFID(NICON) SPA	3	8	11	9		10	41	5	1.29	80.08	6.83	4.355	2.26	11.40
10 MAGELONA PETTIDONEAE	7	4	3	5	4	3	26	6	.82	80.90	4.33	1.506	2.75	5.91
11 PHOTIS MACROMANUS	1	7	1	6	9	2	26	6	.82	81.72	4.33	3.445	.72	7.95
12 LUMBRINERIS TENUIS	3		2	7	6	8	26	5	.82	82.54	4.33	3.141	1.04	7.63
13 AMPELISCA SPH	5	6		6	7	1	25	5	.79	83.33	4.17	2.927	1.09	7.24
14 NINOE NIGRIPES	3	3	3	4	5	7	25	6	.79	84.12	4.17	1.602	2.49	5.85
15 PINNOTHERIDAE	2	5	5	4	4	3	23	6	.73	84.84	3.83	1.169	2.61	5.06
16 AMPHARETE ACUTIFRONS	2	9		6	6		23	4	.73	85.57	3.83	3.710	-.06	7.73
17 ASYNCHIS SP	4	3	2	4	7	3	23	6	.73	86.30	3.83	1.722	2.03	5.64
18 MALDANIDAE	7	1	2	7	3	2	22	6	.69	86.99	3.67	2.658	.88	6.46
19 MAGELONA RUSFA		5	4	4	3	5	21	5	.66	87.65	3.50	1.871	1.54	5.46
20 POLYCHAETE SPA	2	6	3	5	4	1	21	6	.66	88.32	3.50	1.871	1.54	5.46
21 ARICIDEA TAYLORI	7	4		2	8		21	4	.66	88.98	3.50	3.450	-.12	7.12
22 SIGAMBRA TENTACULATA	4	3	1	1	5	4	18	6	.57	89.55	3.00	1.673	1.24	4.76
23 ACTINIARIA		6		6	4		16	3	.51	90.05	2.67	3.011	-.49	5.83
24 OWENIA FUSIFORMIS		7	1	2	4		14	4	.44	90.50	2.33	2.733	-.53	5.20
25 COSSURA DELTA		1	2		3	6	12	4	.38	90.87	2.00	2.280	-.39	4.39
26 AGLAOPHANUS VERRILLI	2	5		5			12	3	.38	91.25	2.00	2.449	-.57	4.57
27 PARANUS GRACILIS	1	3		5	2	1	12	5	.38	91.63	2.00	1.789	.12	3.88
28 PHOROSPIDIO CHRISTATA	2	4	1	2		1	10	5	.32	91.95	1.67	1.366	.23	3.10
29 ARICIDEA JEFFREYSII		4	1	3		2	10	4	.32	92.26	1.67	1.633	-.05	3.28
30 DIPLODONTA CF SUMOR	3	4	2				9	3	.28	92.55	1.50	1.761	-.35	3.35
31 SPIONIDAE	1	3	1		2	1	8	5	.25	92.80	1.33	1.033	.25	2.42
32 ANCLISTRUSYLLIS PAPILLOSA	2	4	1	1			8	4	.25	93.05	1.33	1.506	-.25	2.91
33 CUPHOLA SWIFTIANA	1		3		3		7	3	.22	93.27	1.17	1.472	-.38	2.71
34 ANADARA TRANSVERSA		5			2		7	2	.22	93.50	1.17	2.041	-.98	3.31
35 NEPHYIIDAE		5		1	1		7	3	.22	93.72	1.17	1.941	-.87	3.20
36 GLYCERA AMERICANA		1	4			2	7	3	.22	93.94	1.17	1.602	-.51	2.85
37 ARICIDEA MASSI	3		2	2			7	3	.22	94.16	1.17	1.329	-.23	2.56
38 AEDICINA BELGICAE		1	1	1	1	3	7	5	.22	94.38	1.17	.983	.13	2.20
39 SCOLIOPUS RUBRA	2	1	2	1			6	4	.19	94.57	1.00	.894	.06	1.94
40 AGLAOPHANUS CIRCINATA	1	2			1	2	6	4	.19	94.76	1.00	.894	.06	1.94
41 TELLINIDAE					3		5	2	.16	94.92	.83	1.329	-.56	2.23
42 VULVULELLA RECTA		2		3			5	2	.16	95.07	.83	1.329	-.56	2.23
43 GLYCERA CAPITATA			1	3		1	5	3	.16	95.23	.83	1.169	-.39	2.06
44 AMPHARETIDAE		2	1		2		5	3	.16	95.39	.83	.983	-.20	1.87
45 DIOPATRA CF NEURIDIENS	2	2				1	5	3	.16	95.55	.83	.983	-.20	1.87
46 NEREIS LAMELLOSA	1	3		1			5	3	.16	95.71	.83	1.169	-.39	2.06
47 LEPIDODONTUS SUBLEVIS		1	2		1		4	3	.13	95.83	.67	.816	-.19	1.52
48 LUCINA AMIANTUS		2		2			4	2	.13	95.96	.67	1.033	-.42	1.75
49 NATICA SP		2		2			4	2	.13	96.08	.67	1.033	-.42	1.75
50 CERATOCEPHALE OCULATA			1	1		2	4	3	.13	96.21	.67	.816	-.19	1.52
51 STRENELEIS HOA		1			3		4	2	.13	96.34	.67	1.211	-.60	1.94
52 ACTINIARIA SPE		2			1		3	2	.09	96.43	.50	.837	-.38	1.38
53 TEREDNA PROTERTA		2			1		3	2	.09	96.53	.50	.837	-.38	1.38
54 HAMINOEA SUCCINEA		1	1		1		3	3	.09	96.62	.50	.548	-.07	1.07

55	COROPHIUM SP	3			3	1	.09	96.72	.50	1.225	-.79	1.79
56	PARANITIDES LYRA		2	1	3	2	.09	96.81	.50	.837	-.38	1.38
57	ANCISTHOSYLLIS GRUENLANDICA	2		1	3	2	.09	96.91	.50	.837	-.38	1.38
58	PALEANOTIUS HETEROSEIA	1		1	3	3	.09	97.00	.50	.548	-.07	1.07
59	MAGELONA LONGICORNIS			1	3	2	.09	97.10	.50	.837	-.38	1.38
60	GONEPLACIDAE	1		1	2	2	.06	97.16	.33	.516	-.21	.88
61	UGYRIDES LIMICOLA	1		1	2	2	.06	97.22	.33	.516	-.21	.88
62	DIODENIDAE	2			2	1	.06	97.28	.33	.816	-.52	1.19
63	PAGURISTES HUMMI	2	2		2	1	.06	97.35	.33	.816	-.52	1.19
64	SIGAMBRA SP			2	2	1	.06	97.41	.33	.816	-.52	1.19
65	NERFIO SPH	1	1		2	2	.06	97.47	.33	.516	-.21	.88
66	NUCULANA ACUTA		2		2	1	.06	97.54	.33	.816	-.52	1.19
67	NUCULA PROXIMA		2		2	1	.06	97.60	.33	.816	-.52	1.19
68	AMPELISCA VERNILLI	2			2	1	.06	97.66	.33	.816	-.52	1.19
69	TELLINA VERSICOLOR		1		2	2	.06	97.73	.33	.516	-.21	.88
70	AMPELISCA AGASSIZI			1	2	2	.06	97.79	.33	.516	-.21	.88
71	GYPTIS VIITATA	1		1	2	2	.06	97.85	.33	.516	-.21	.88
72	PARAMETOPELLA TEXENSIS		2		2	1	.06	97.92	.33	.816	-.52	1.19
73	UXYUPOSTYLIS SP	1		1	2	2	.06	97.98	.33	.516	-.21	.88
74	DIOPATRA COPNEA	1		1	2	2	.06	98.04	.33	.516	-.21	.88
75	SPECIARINUS LOHATUS		1	1	2	2	.06	98.11	.33	.516	-.21	.88
76	NEPHYTYS PICTA			1	2	2	.06	98.17	.33	.516	-.21	.88
77	NATICA CANMENA			2	2	1	.06	98.23	.33	.816	-.52	1.19
78	NASSARIIDAE			2	2	1	.06	98.29	.33	.816	-.52	1.19
79	PELLINARIA CF GOULDII			2	2	1	.06	98.36	.33	.816	-.52	1.19
80	GLYCERA PAPILLOSA			2	2	1	.06	98.42	.33	.816	-.52	1.19
81	IMARYX DORSOBRANCHIALIS	2			2	1	.06	98.48	.33	.816	-.52	1.19
82	GLYCERA SPH		1		1	1	.03	98.52	.17	.408	-.26	.60
83	MINUSPIO LONGIBRANCHIATA			1	1	1	.03	98.55	.17	.408	-.26	.60
84	POLYNOIDAE			1	1	1	.03	98.58	.17	.408	-.26	.60
85	LOIMIA MEDUSA	1			1	1	.03	98.61	.17	.408	-.26	.60
86	PHYLLODOUCE MUCOSA			1	1	1	.03	98.64	.17	.408	-.26	.60
87	SICYONIA DORSALIS			1	1	1	.03	98.67	.17	.408	-.26	.60
88	VOLVOLELLA TEXASIANA			1	1	1	.03	98.71	.17	.408	-.26	.60
89	MICROSPID PIGMENTATA			1	1	1	.03	98.74	.17	.408	-.26	.60
90	SINUM MACULATUM			1	1	1	.03	98.77	.17	.408	-.26	.60
91	ONOPHIS NEBULOSA	1			1	1	.03	98.80	.17	.408	-.26	.60
92	EPITONIIDAE			1	1	1	.03	98.83	.17	.408	-.26	.60
93	TENEHELLIDES STROEMII			1	1	1	.03	98.86	.17	.408	-.26	.60
94	CANTHARUS CANCELLARIA			1	1	1	.03	98.89	.17	.408	-.26	.60
95	AMPELISCA ABDITA		1		1	1	.03	98.93	.17	.408	-.26	.60
96	LEPTOCHELA SERRATORBITA			1	1	1	.03	98.96	.17	.408	-.26	.60
97	MUNNA SP		1		1	1	.03	98.99	.17	.408	-.26	.60
98	ERIUPIISA SPH			1	1	1	.03	99.02	.17	.408	-.26	.60
99	LISIRIELLA HARNARDI	1			1	1	.03	99.05	.17	.408	-.26	.60
100	BRYOZOA			1	1	1	.03	99.08	.17	.408	-.26	.60
101	PISEIWOIECUS SPA			1	1	1	.03	99.12	.17	.408	-.26	.60
102	PARANTHUS SP		1		1	1	.03	99.15	.17	.408	-.26	.60
103	TURDONILLA SP			1	1	1	.03	99.18	.17	.408	-.26	.60
104	SPIROCHAETOPTERUS COSTARUM			1	1	1	.03	99.21	.17	.408	-.26	.60
105	CALYPTOGASTEA			1	1	1	.03	99.24	.17	.408	-.26	.60
106	PLATYHELMINTHES	1			1	1	.03	99.27	.17	.408	-.26	.60
107	PHORONIDA			1	1	1	.03	99.31	.17	.408	-.26	.60
108	POLYDORA LIGNI			1	1	1	.03	99.34	.17	.408	-.26	.60
109	MINUSPIO CIRRIFERA	1			1	1	.03	99.37	.17	.408	-.26	.60
110	POLYDORA CF CAULLENYI		1		1	1	.03	99.40	.17	.408	-.26	.60
111	ACTINARIA SPH	1			1	1	.03	99.43	.17	.408	-.26	.60
112	NOTOMASTUS LOHATUS			1	1	1	.03	99.46	.17	.408	-.26	.60
113	HARMOITHUE IMBRICATA			1	1	1	.03	99.49	.17	.408	-.26	.60
114	MALUMA TENTA	1			1	1	.03	99.53	.17	.408	-.26	.60
115	ZOANTHARIA		1		1	1	.03	99.56	.17	.408	-.26	.60
116	NOTOMASTUS AMERICANUS	1			1	1	.03	99.59	.17	.408	-.26	.60

117	NOTOMASTUS CF LATERICEUS	1			1	1	.03	99.62	.17	.408	-.26	.60
118	NOTOMASTUS LATERICEUS	1			1	1	.03	99.65	.17	.408	-.26	.60
119	CIRROPHORUS LYRIFORMIS		1		1	1	.03	99.68	.17	.408	-.26	.60
120	MELANELLA ARCUATA			1	1	1	.03	99.72	.17	.408	-.26	.60
121	THARYX MARIONI	1			1	1	.03	99.75	.17	.408	-.26	.60
122	REPTANTIA				1	1	.03	99.78	.17	.408	-.26	.60
123	PARAONIS SPA	1			1	1	.03	99.81	.17	.408	-.26	.60
124	PAGURIDAE			1	1	1	.03	99.84	.17	.408	-.26	.60
125	ANNANDIA MACULATA		1		1	1	.03	99.87	.17	.408	-.26	.60
126	VITRINELLA FLORIDANA				1	1	.03	99.91	.17	.408	-.26	.60
127	MAJIDAE	1			1	1	.03	99.94	.17	.408	-.26	.60
128	AMPHARETE AMERICANA	1			1	1	.03	99.97	.17	.408	-.26	.60
129	GLYCERA TESSELLATA	1			1	1	.03	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	40	75	46	49	67	38	
NO. OF INDIVIDUALS	457	708	486	495	584	437	3167

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	1	129	3167	4.0765	.8757	.2016

STATION 5 TRANSECT 1 PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL				95 PCT			
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF	LIM
1 PARANIS SPA	9	2	6	6	8	5	36	6	16.07	16.07	6.00	2.449	3.43	8.57
2 PARANIS GRACILIS	2		6	3	3	3	17	5	7.59	23.66	2.83	1.941	.80	4.87
3 PITAR CUMDATUS	1			5	1	4	11	4	4.91	28.57	1.83	2.137	-.41	4.08
4 COSSURA DELTA	1	1	3	2		2	9	5	4.02	32.59	1.50	1.049	.40	2.60
5 PARAPRIONOSPION PINNATA	2	2	1	2	2		9	5	4.02	36.61	1.50	.837	.62	2.38
6 SIGAMBRA TENTACULATA			4	3	1	1	9	4	4.02	40.63	1.50	1.643	-.22	3.22
7 MAGELONA LONGICORNIS	1	2			3		6	3	2.60	43.30	1.00	1.265	-.33	2.33
8 AMPHARETIDAE	2		1	1	1		5	4	2.23	45.54	.83	.753	.04	1.62
9 VOLVOLELLA TEXASIANA	3		1		1		5	3	2.23	47.77	.83	1.169	-.39	2.06
10 PARANIDES LYRA				4		1	5	2	2.23	50.00	.83	1.602	-.05	2.51
11 NEPHYS INCISA	2	1	2				5	3	2.23	52.23	.83	.983	-.20	1.87
12 OPHIURIDAE	1		1		2		4	3	1.79	54.02	.67	.816	-.19	1.52
13 SYNCHELIDIUM CF AMERICANUM				1	2	1	4	3	1.79	55.80	.67	.816	-.19	1.52
14 AMPHARETE AMERICANA			1	2	1		4	3	1.79	57.59	.67	.816	-.19	1.52
15 ARMANDIA MACULATA	2		1				3	2	1.34	58.93	.50	.837	-.38	1.38
16 SCUTOPUS SPA	1			1	1		3	3	1.34	60.27	.50	.548	-.07	1.07
17 AMPELISCA VERRILLI	1		1	1			3	3	1.34	61.61	.50	.548	-.07	1.07
18 THARYX MARIONI	2			1			3	2	1.34	62.95	.50	.837	-.38	1.38
19 EUDORELLA MONODON	1				2		3	2	1.34	64.29	.50	.837	-.38	1.38
20 DENTALIUM SOWERRYI				2		1	3	2	1.34	65.63	.50	.837	-.38	1.38
21 GLYCERA TESSELATA	1			1			2	2	.89	66.52	.33	.516	-.21	.88
22 SPHAERODURIDIUM CLAPAREDII			1		1		2	2	.89	67.41	.33	.516	-.21	.88
23 SPIONIDAE					1	1	2	2	.89	68.30	.33	.516	-.21	.88
24 NEMENTINEA			1	1			2	2	.89	69.20	.33	.516	-.21	.88
25 SPIOPHANES SPA		2					2	1	.89	70.09	.33	.816	-.52	1.19
26 BYHLIS CF AFFINIS					1	1	2	2	.89	70.98	.33	.516	-.21	.88
27 ASYCHIS ELONGATA						2	2	1	.89	71.88	.33	.816	-.52	1.19
28 ACTINIARIA	2						2	1	.89	72.77	.33	.816	-.52	1.19
29 AMPHILUCHUS SP			1		1		2	2	.89	73.66	.33	.516	-.21	.88
30 LUMACEAN SPF			1			1	2	2	.89	74.55	.33	.516	-.21	.88
31 THARYX ANNULOSUS	2						2	1	.89	75.45	.33	.816	-.52	1.19
32 LUMBRINERIS PARVAPEDATA				1	1		2	2	.89	76.34	.33	.516	-.21	.88
33 LUMBRINERIS TENUIS				1		1	2	2	.89	77.23	.33	.516	-.21	.88
34 HIPPOMEDON CF SERRATUS	2						2	1	.89	78.13	.33	.816	-.52	1.19
35 CIRROPHORUS BRANCHIATUS	1			1			2	2	.89	79.02	.33	.516	-.21	.88
36 OWERIA FUSIFORMIS				1	1		2	2	.89	79.91	.33	.516	-.21	.88
37 GONIADA MACULATA			1	1			2	2	.89	80.80	.33	.516	-.21	.88
38 HANHANUS PAUCICHELATUS				1	1		2	2	.89	81.70	.33	.516	-.21	.88
39 ARICIDEA JEFFREYSII	1				1		2	2	.89	82.59	.33	.516	-.21	.88
40 PARALACYDONIA PARADOXA			2				2	1	.89	83.48	.33	.816	-.52	1.19
41 NEPHYIDAE					2		2	1	.89	84.38	.33	.816	-.52	1.19
42 EXOGONE SPA		1					1	1	.45	84.82	.17	.408	-.26	.60
43 PYRUNCULUS CAELATUS				1			1	1	.45	85.27	.17	.408	-.26	.60
44 CALUCARIS OXYPLEURA						1	1	1	.45	85.71	.17	.408	-.26	.60
45 ANUPLODACTYLUS PETIULATUS					1		1	1	.45	86.16	.17	.408	-.26	.60
46 CAPRELLIO					1		1	1	.45	86.61	.17	.408	-.26	.60
47 GONIADA NORVEGICA	1						1	1	.45	87.05	.17	.408	-.26	.60
48 EPITONIIUM NOVANGLIAE					1		1	1	.45	87.50	.17	.408	-.26	.60
49 MAMPHYSA SPA	1						1	1	.45	87.95	.17	.408	-.26	.60
50 AMPELISCA SPA						1	1	1	.45	88.39	.17	.408	-.26	.60
51 PINNOTHERIDAE			1				1	1	.45	88.84	.17	.408	-.26	.60
52 AMPELISCA AGASSIZI		1					1	1	.45	89.29	.17	.408	-.26	.60
53 LUMBRINERIS JANUARI		1					1	1	.45	89.73	.17	.408	-.26	.60
54 UNCIOLA SERRATA				1			1	1	.45	90.18	.17	.408	-.26	.60

55	PARADIDAE				1	1	1	.45	90.63	.17	.408	-.26	.60
56	POTAMILLA RENIFORMIS					1	1	.45	91.07	.17	.408	-.26	.60
57	MARPHYSA SPB		1			1	1	.45	91.52	.17	.408	-.26	.60
58	SIERNASPIS SCUTATA					1	1	.45	91.96	.17	.408	-.26	.60
59	MUCOLA PROXIMA				1	1	1	.45	92.41	.17	.408	-.26	.60
60	SULEMYA SPA		1			1	1	.45	92.86	.17	.408	-.26	.60
61	TURRONILLA SP			1		1	1	.45	93.30	.17	.408	-.26	.60
62	PERIPLOMA UMBICULARE				1	1	1	.45	93.75	.17	.408	-.26	.60
63	MARPACIICIDA		1			1	1	.45	94.20	.17	.408	-.26	.60
64	HEMICYCLOPS SP					1	1	.45	94.64	.17	.408	-.26	.60
65	AEDICINA BELGICAE		1			1	1	.45	95.09	.17	.408	-.26	.60
66	MEDIOMASTIUS CALIFORNIENSIS			1		1	1	.45	95.54	.17	.408	-.26	.60
67	SCOLELEPIS TEXANA				1	1	1	.45	95.98	.17	.408	-.26	.60
68	TEREBELLIDES STRUDEMII				1	1	1	.45	96.43	.17	.408	-.26	.60
69	PECTINIDAE			1		1	1	.45	96.88	.17	.408	-.26	.60
70	FINELLA DUBIA			1		1	1	.45	97.32	.17	.408	-.26	.60
71	NATICA SP		1			1	1	.45	97.77	.17	.408	-.26	.60
72	PARAMPHIOME PULCHELLA			1		1	1	.45	98.21	.17	.408	-.26	.60
73	POLYCHAETE SPA				1	1	1	.45	98.66	.17	.408	-.26	.60
74	THARYX FILIBRANCHIA			1		1	1	.45	99.11	.17	.408	-.26	.60
75	CORHULA SWIFTIANA		1			1	1	.45	99.55	.17	.408	-.26	.60
76	NINUE NIGRIPES			1		1	1	.45	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	24	7	25	32	30	19	
NO. OF INDIVIDUALS	43	10	43	52	46	30	224

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	1	76	224	5.4247	.9583	.8553

STATION 6 TRANSECT 1 PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL ABUND	TOTAL OCCUR	PERCENT	ACC	PCI	MEAN	STD	95 PCI CONF LIM	
	1	2	3	4	5	6								CONF	LIM
1 SIPUNCULA	21	6	18	10	5	1	61	6	16.18	16.18	10.17	7.834	1.94	18.39	
2 PARAPHREOSPIO PINNATA	2	7	2	3			14	4	3.71	19.89	2.33	2.582	-.38	5.04	
3 DENTALIUM SOWERBYI	5	2	1	3		3	14	5	3.71	23.61	2.33	1.751	.50	4.17	
4 PITAR CORDATUS	3	4	4		2		13	4	3.45	27.06	2.17	1.835	.24	4.09	
5 ALTERNOCHELATA SPA	4	4	2	6			12	3	3.18	30.24	2.00	2.530	-.66	4.66	
6 SIGAMBRA TENTACULATA	3	4	1	1	2	1	12	6	3.18	33.42	2.00	1.265	.67	3.33	
7 THYASIRA PYGMAEA	3	1	1	6			11	4	2.92	36.34	1.83	2.317	-.60	4.26	
8 AMPHARETE PARVIDENTATA	1	3	1	6			11	4	2.92	39.26	1.83	2.317	-.60	4.26	
9 ARMANDIA MACULATA	4	3	1	2			10	4	2.65	41.91	1.67	1.633	-.05	3.38	
10 PARANIS GRACILIS		4	1		4	1	10	4	2.65	44.56	1.67	1.862	-.29	3.62	
11 NEMERTINEA		5		2		1	8	3	2.12	46.68	1.33	1.966	-.73	3.40	
12 COSSONA DELTA	2	2	2		1	1	8	5	2.12	48.81	1.33	.816	.48	2.19	
13 GLYCERA TESSELATA	2	5		1			8	3	2.12	50.93	1.33	1.966	-.73	3.40	
14 THARYX MARIONI		2		1	4		7	3	1.86	52.79	1.17	1.602	-.51	2.85	
15 VOLVULELLA TEXASIANA	4	1	1	1			7	4	1.86	54.64	1.17	1.472	-.38	2.71	
16 SULFMYA SPA	1	2		1	2		6	4	1.59	56.23	1.00	.894	.06	1.94	
17 THARYX ANNULOSUS		2	2	2			6	3	1.59	57.82	1.00	1.095	-.15	2.15	
18 STERMASPIS SCUTATA			2	3			5	2	1.33	59.15	.83	1.329	-.56	2.23	
19 PARALACYONIA PARADUXA	1	1	1		1	1	5	5	1.33	60.48	.83	.408	.40	1.26	
20 ONUPHIDAE	1	2			2		5	3	1.33	61.80	.83	.983	-.20	1.87	
21 BRANCHIUSTOMA CARIBAEUM		1	4				5	2	1.33	63.13	.83	1.602	-.85	2.51	
22 SPIOPHANES WIGLEYI		1		3		1	5	3	1.33	64.46	.83	1.169	-.39	2.06	
23 CURBULA SWIFTIANA	1			4			5	2	1.33	65.78	.83	1.602	-.85	2.51	
24 SPIONIDAE	1	1		3			5	3	1.33	67.11	.83	1.169	-.39	2.06	
25 AMPELISCA SPA	1			3			5	2	1.33	68.44	.83	1.602	-.85	2.51	
26 BYBLIS CF AFFINIS	1		1	3			5	3	1.33	69.76	.83	1.169	-.39	2.06	
27 THYASIRA SPA				2		2	4	2	1.06	70.82	.67	1.433	-.42	1.75	
28 ONUPHIS SPB		2		1		1	4	3	1.06	71.88	.67	.816	-.19	1.52	
29 HETEROPHOXUS CF OCLATUS	1			1		1	3	3	.80	72.68	.50	.548	-.07	1.07	
30 SPIOPHANES LONGICIRRUS	1	1	1				3	3	.80	73.47	.50	.548	-.07	1.07	
31 SPIOPHANES SPA	1	2					3	2	.80	74.27	.50	.837	-.38	1.38	
32 UNCIOLA SERRATA				1	2		3	2	.80	75.07	.50	.837	-.38	1.38	
33 NYALA SPA					3		3	1	.80	75.86	.50	1.225	-.79	1.79	
34 PUECILUCHAETUS JOHNSONI	2			1			3	2	.80	76.66	.50	.837	-.38	1.38	
35 LUMBRINERIS PARVAPDATA	1	1			1		3	3	.80	77.45	.50	.548	-.07	1.07	
36 GONIADA MACULATA		1		2			3	2	.80	78.25	.50	.837	-.38	1.38	
37 SCUTOPUS SPA	1	1	1				3	3	.80	79.05	.50	.548	-.07	1.07	
38 AGLAOPHAMUS CIRCINATA	1					1	2	2	.53	79.58	.33	.516	-.21	.88	
39 SPHYRAPUS SPA	1	1					2	2	.53	80.11	.33	.516	-.21	.88	
40 POLYCHAETE SPA	1	1					2	2	.53	80.64	.33	.516	-.21	.88	
41 MALDANIDAE				2			2	1	.53	81.17	.33	.816	-.52	1.19	
42 NOTOMASTUS AMERICANUS				2			2	1	.53	81.70	.33	.816	-.52	1.19	
43 TEREBELLIDES STROMELI				2			2	1	.53	82.23	.33	.816	-.52	1.19	
44 CIRRATULID-B				2			2	1	.53	82.76	.33	.816	-.52	1.19	
45 THARYX DORSUBBRANCHIALIS	2						2	1	.53	83.29	.33	.816	-.52	1.19	
46 NOTOMASTUS LATERICEUS	1	1					2	2	.53	83.82	.33	.516	-.21	.88	
47 NEMPTYS INCISA		1		1			2	2	.53	84.35	.33	.516	-.21	.88	
48 AUTOMATE EVERMANNI	1			1			2	2	.53	84.88	.33	.516	-.21	.88	
49 LEPTONIDAE	2						2	1	.53	85.41	.33	.816	-.52	1.19	
50 CIRRATULIDAE						2	2	1	.53	85.94	.33	.816	-.52	1.19	
51 CAPITELLIDAE				1		1	2	2	.53	86.47	.33	.516	-.21	.88	
52 POLYNOIDAE				1			2	2	.53	87.00	.33	.516	-.21	.88	
53 LUMBRINERIS SPA		1		1			2	2	.53	87.53	.33	.516	-.21	.88	
54 PHYLLUDICE MUCOSA		1		1			2	2	.53	88.06	.33	.516	-.21	.88	

55	PARAONIDES LYRA	1	1			2	2	.53	88.59	.33	.516	-.21	.88
56	AMPHANETIDAE					2	2	.53	89.12	.33	.516	-.21	.88
57	NATICA SP	1	1	1	1	2	2	.53	89.66	.33	.516	-.21	.88
58	DENTALIUM TEXASIANUM	1	1			2	2	.53	90.19	.33	.516	-.21	.88
59	POLYDORA CF HAKIMANAE		1			1	1	.27	90.45	.17	.408	-.26	.60
60	UNOPHIS SPA		1			1	1	.27	90.72	.17	.408	-.26	.60
61	NEREID SPB	1				1	1	.27	90.98	.17	.408	-.26	.60
62	CALLIANASSA ATLANTICA	1				1	1	.27	91.25	.17	.408	-.26	.60
63	SARSIELLA SPK	1				1	1	.27	91.51	.17	.408	-.26	.60
64	MINUSPIU LONGIRRANCHIATA		1			1	1	.27	91.78	.17	.408	-.26	.60
65	AMPHANETE ACUTIFRONS	1				1	1	.27	92.04	.17	.408	-.26	.60
66	CALIFIA CF CALIDA		1			1	1	.27	92.31	.17	.408	-.26	.60
67	LUMBINERIS TENUIS		1			1	1	.27	92.57	.17	.408	-.26	.60
68	PARDALISCID SPA		1			1	1	.27	92.84	.17	.408	-.26	.60
69	MAGELONA PHYLLISAE	1				1	1	.27	93.10	.17	.408	-.26	.60
70	ANTHURID SPB	1				1	1	.27	93.37	.17	.408	-.26	.60
71	PARASTEROPE LATA		1			1	1	.27	93.63	.17	.408	-.26	.60
72	NEPHYIIDAE	1				1	1	.27	93.90	.17	.408	-.26	.60
73	SARSIELLA SPL	1				1	1	.27	94.16	.17	.408	-.26	.60
74	ERIUPIA INCISA		1			1	1	.27	94.43	.17	.408	-.26	.60
75	AMPELISCA AGASSIZI				1	1	1	.27	94.69	.17	.408	-.26	.60
76	PECTINARIA SP				1	1	1	.27	94.96	.17	.408	-.26	.60
77	SIGAMBRA BASSI		1			1	1	.27	95.23	.17	.408	-.26	.60
78	LISTRIELLA SPA	1				1	1	.27	95.49	.17	.408	-.26	.60
79	CALLIANASSA LATISPINA					1	1	.27	95.76	.17	.408	-.26	.60
80	HEPIANTIA	1				1	1	.27	96.02	.17	.408	-.26	.60
81	TANAID SPL		1			1	1	.27	96.29	.17	.408	-.26	.60
82	ACTINANTIA		1			1	1	.27	96.55	.17	.408	-.26	.60
83	MEDIOMASTUS CALIFORNIENSIS		1			1	1	.27	96.82	.17	.408	-.26	.60
84	SABELLIDAE	1				1	1	.27	97.08	.17	.408	-.26	.60
85	PIRUMIS ANENOSUS		1			1	1	.27	97.35	.17	.408	-.26	.60
86	PHILINE SAGRA		1			1	1	.27	97.61	.17	.408	-.26	.60
87	OPHELIIDAE				1	1	1	.27	97.88	.17	.408	-.26	.60
88	ARICIDEA NEOSUECICA	1				1	1	.27	98.14	.17	.408	-.26	.60
89	CALOCARIS OXYPLEURA	1				1	1	.27	98.41	.17	.408	-.26	.60
90	SARSIELLA CF GREYI		1			1	1	.27	98.67	.17	.408	-.26	.60
91	OSTRACOD SPY	1				1	1	.27	98.94	.17	.408	-.26	.60
92	ANACHIS CALLIGLYPTA		1			1	1	.27	99.20	.17	.408	-.26	.60
93	SYLLIS SPB				1	1	1	.27	99.47	.17	.408	-.26	.60
94	ALPHEUS FLORIDANUS		1			1	1	.27	99.73	.17	.408	-.26	.60
95	UNOPHIS SPD	1				1	1	.27	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	37	48	22	53	14	18	
NO. OF INDIVIDUALS	82	88	50	104	31	22	377

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	1	95	377	5.6695	.9615	.8105

STATION 1 TRANSECT 11 PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL			ACC PCT	MEAN	STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT				CONF	LIM
1 PARAPHIONOSPIO PINNATA	25	53	35	14	42	24	193	6	36.69	36.69	32.17	14.049	17.42	46.91
2 MEDIUMASTUS CALIFORNIENSIS	13	14	21	7	11	11	77	6	14.64	51.33	12.83	4.665	7.44	17.73
3 AMPELISCA AGASSIZI	12	2	6	15	10		45	5	8.56	59.89	7.50	5.857	1.35	13.65
4 NEMENTINEA		23	1	3	11		38	4	7.22	67.11	6.33	9.158	-3.28	15.95
5 AMPELISCA VERRILLI	7	5	1	2	2		17	5	3.23	70.34	2.83	2.639	.06	5.60
6 MINUSPID LONGIRRANCHIATA		11	2		1		14	3	2.66	73.00	2.33	4.320	-2.20	6.87
7 NEREID(NICON) SPA	5	1	3	1	1	2	13	6	2.47	75.48	2.17	1.602	.49	3.85
8 VITRINELLA FLORIDANA		4	3	3	3		13	4	2.47	77.95	2.17	1.722	.36	3.97
9 AMPELISCA ABDITA	1	3	1	1	6		12	5	2.28	80.23	2.00	2.191	-.30	4.30
10 APICIDEA JEFFREYSII			7	3			10	2	1.90	82.13	1.67	2.875	-1.35	4.68
11 COSSURA DELTA	3	2	1		2	1	9	5	1.71	83.84	1.50	1.049	.40	2.60
12 NEPHIYS INCISA	2	2		3	2		9	4	1.71	85.55	1.50	1.225	.21	2.79
13 SIGAMBRA TENTACULATA	1		3	1	3		8	4	1.52	87.07	1.33	1.366	.10	2.77
14 PARANIS GRACILIS	1	1	3			2	7	4	1.33	88.40	1.17	1.169	-.06	2.39
15 MAGELUNA ROSEA				1	2	3	6	3	1.14	89.54	1.00	1.265	-.33	2.33
16 SPIONIDAE	1	2			2		5	3	.95	90.49	.83	.983	-.20	1.87
17 VULVULELLA TEXASIANA		2		1	2		5	3	.95	91.44	.83	.983	-.20	1.87
18 NINDE NIGRIPES	1	2		1			4	3	.76	92.21	.67	.816	-.19	1.52
19 MAGELUNA PHYLLISAE	1		1		1	1	4	4	.76	92.97	.67	.516	.12	1.21
20 NOTOMASTUS CF LATERICEUS		2		2			4	2	.76	93.73	.67	1.033	-.42	1.75
21 PARAMPHINOME PULCHELLA		3				1	4	2	.76	94.49	.67	1.211	-.60	1.94
22 PHOTIS MACROMANUS	1				2		3	2	.57	95.06	.50	.837	-.38	1.38
23 NATICA SP			1	1			2	2	.38	95.44	.33	.516	-.21	.88
24 ARMANDIA MACULATA				1	1		2	2	.38	95.82	.33	.516	-.21	.88
25 MINUSPID CIRRIFERA		1				1	2	2	.38	96.20	.33	.516	-.21	.88
26 PSEUDOURYTHOE AMBIGUA		1	1				2	2	.38	96.58	.33	.516	-.21	.88
27 ALPHEUS SP		1			1		2	2	.38	96.96	.33	.516	-.21	.88
28 AEDICIRA BELGICAF			1				1	1	.19	97.15	.17	.408	-.26	.60
29 PARANIDAE			1				1	1	.19	97.34	.17	.408	-.26	.60
30 LISTRIELLA BARNARDI				1			1	1	.19	97.53	.17	.408	-.26	.60
31 NOTOMASTUS LATERICEUS				1			1	1	.19	97.72	.17	.408	-.26	.60
32 DRILONEREIS FILUM						1	1	1	.19	97.91	.17	.408	-.26	.60
33 OPHUROIDEA			1				1	1	.19	98.10	.17	.408	-.26	.60
34 ERIUPISA SPH				1			1	1	.19	98.29	.17	.408	-.26	.60
35 SIMENELAIS BUA		1					1	1	.19	98.48	.17	.408	-.26	.60
36 TRACHYPENAEUS SP	1						1	1	.19	98.67	.17	.408	-.26	.60
37 CLYTIA LONGICYATHA	1						1	1	.19	98.86	.17	.408	-.26	.60
38 CARIPEA					1		1	1	.19	99.05	.17	.408	-.26	.60
39 LUMBRINERIS TENUIS		1					1	1	.19	99.24	.17	.408	-.26	.60
40 APSEUDES SPA			1				1	1	.19	99.43	.17	.408	-.26	.60
41 MICROSPID PIGMENTATA					1		1	1	.19	99.62	.17	.408	-.26	.60
42 SIGAMBRA BASSI				1			1	1	.19	99.81	.17	.408	-.26	.60
43 MAGELUNA LONGICORNIS	1						1	1	.19	100.00	.17	.408	-.26	.60

NO. OF SPECIES 17 22 20 21 21 10
 NO. OF INDIVIDUALS 77 137 94 64 107 47 526

STATION 1 TRANSECT 11 SPECIES 43 INDIVIDUALS 526 DIVERSITY 3.5774 PIE EQUITABILITY .0274 .4186

STATION 2 TRANSECT II PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL					95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCI	MEAN	STD	CONF LIM
1 PARAUNIS SPA	8	13	6	6	4	10	47	6	12.11	12.11	7.83	3.251	4.42 11.25
2 PARAPRIONOSPIO PINNATA	6	12	4	6	6	7	41	6	10.57	22.68	6.83	2.714	3.98 9.68
3 PARAUNIS GRACILIS	3	8	9	4	1	5	30	6	7.73	30.41	5.00	3.033	1.82 8.18
4 SPIONIDAE	3		7	4	5	4	23	5	5.93	36.34	3.83	2.317	1.40 6.26
5 NEMERTINEA	1	5	2	4	1	5	18	6	4.64	40.98	3.00	1.897	1.01 4.99
6 NEMPTYS INCISA	1	1	2	3	5	4	16	6	4.12	45.10	2.67	1.633	.95 4.38
7 ABRA AEUVALIS	2		12				14	2	3.61	48.71	2.33	4.803	-2.71 7.37
8 LUMBRINERIS PARVAPEDATA		3	2	4	3	1	13	5	3.35	52.06	2.17	1.472	.62 3.71
9 VULVULELLA TEXASIANA	1	4	1	2		3	11	5	2.84	54.90	1.83	1.472	.29 3.38
10 MAGELONA LONGICORNIS		2	3	3		3	11	4	2.84	57.73	1.83	1.472	.29 3.38
11 CUSSURA DELTA	1	3	4	1		1	10	5	2.58	60.31	1.67	1.506	.09 3.25
12 EUDOMELLA MONODON		1	2	1	5	1	10	5	2.58	62.89	1.67	1.751	-.17 3.50
13 CIRROPHORUS LYRIFORMIS	2	2			1	5	10	4	2.58	65.46	1.67	1.862	-.29 3.62
14 MEDIOMASTUS CALIFORNIENSIS	1	2	2		1	2	8	5	2.06	67.53	1.33	.816	.48 2.19
15 AMPELISCA ABDITA	1	2		1	2	1	7	5	1.80	69.33	1.17	.753	.38 1.96
16 KALLIAPSEUDES SPA	1	2	2		2		7	4	1.80	71.13	1.17	.983	.13 2.20
17 THARYX ANNULOSUS		5					5	1	1.29	72.42	.83	2.001	-1.31 2.98
18 AEDICINA HELGICAE			3		2		5	2	1.29	73.71	.83	1.329	-.56 2.23
19 SIGAMBRA TENTACULATA	1		3				4	2	1.03	74.74	.67	1.211	-.60 1.94
20 AMAEANA TRILOBATA		1	2		1		4	3	1.03	75.77	.67	.816	-.19 1.52
21 MAGELONA RUSEA		1	1	2			4	3	1.03	76.80	.67	.816	-.19 1.52
22 APSEUDES SPA	1			1	1	1	4	4	1.03	77.84	.67	.516	.12 1.21
23 LYSIANASSID SPA				3			3	1	.77	78.61	.50	1.225	-.79 1.79
24 PINNOTHERIDAE	1				2		3	2	.77	79.38	.50	.837	-.38 1.38
25 AMPELISCA AGASSIZI					2	1	3	2	.77	80.15	.50	.837	-.38 1.38
26 PARAUNIDAE		1	1	1			3	3	.77	80.93	.50	.548	-.07 1.07
27 ARICIDEA MASSI		2			1		3	2	.77	81.70	.50	.837	-.38 1.38
28 AMPELISCA VERRILLI	1				2		3	2	.77	82.47	.50	.837	-.38 1.38
29 UNOPHIS SPA			3				3	1	.77	83.25	.50	1.225	-.79 1.79
30 PARAUNIDES LYRA	1			1	1		3	3	.77	84.02	.50	.548	-.07 1.07
31 NOTOMASTUS LATERICIUS				1	1	1	3	3	.77	84.79	.50	.548	-.07 1.07
32 AUTOMATE EVERMANNI	1				1		2	2	.52	85.31	.33	.516	-.21 .88
33 THARYX MARIONI			1		1		2	2	.52	85.82	.33	.516	-.21 .88
34 ARICIDEA JEFFREYSII			1		1		2	2	.52	86.34	.33	.516	-.21 .88
35 HETEROSPPIO LONGISSIMA		1		1			2	2	.52	86.86	.33	.516	-.21 .88
36 OPHIURIDAE			2				2	1	.52	87.37	.33	.816	-.52 1.19
37 THYASIRA SPA			2				2	1	.52	87.89	.33	.816	-.52 1.19
38 NINOE NIGRIPES				2			2	1	.52	88.40	.33	.816	-.52 1.19
39 DRILONEREIS MAGNA				1		1	2	2	.52	88.92	.33	.516	-.21 .88
40 NEREID SPB		1		1			2	2	.52	89.43	.33	.516	-.21 .88
41 CORBULA SWIFTIANA				1	1		2	2	.52	89.95	.33	.516	-.21 .88
42 HYALA SPA		1					1	1	.26	90.21	.17	.408	-.26 .60
43 SYLLIS CF ANOPS		1					1	1	.26	90.46	.17	.408	-.26 .60
44 SPIOPHANES LONGICINRUS	1						1	1	.26	90.72	.17	.408	-.26 .60
45 CIRRATULIDAE						1	1	1	.26	90.98	.17	.408	-.26 .60
46 ANACHIS CALLIGLYPTA				1			1	1	.26	91.24	.17	.408	-.26 .60
47 LEPIUSTYLIS SP				1			1	1	.26	91.49	.17	.408	-.26 .60
48 UNOPHIDAE		1					1	1	.26	91.75	.17	.408	-.26 .60
49 NOTOMASTUS HEMIPODUS					1		1	1	.26	92.01	.17	.408	-.26 .60
50 ORELLIA SPA	1						1	1	.26	92.27	.17	.408	-.26 .60
51 ARMANDIA MACULATA		1					1	1	.26	92.53	.17	.408	-.26 .60
52 REPTANTIA						1	1	1	.26	92.78	.17	.408	-.26 .60
53 AMPHICTEIS GUNNERI		1					1	1	.26	93.04	.17	.408	-.26 .60
54 LUMBRINERIS TENUIS						1	1	1	.26	93.30	.17	.408	-.26 .60

55	LAONICE CIRRATA		1			1	1	.26	93.56	.17	.408	-.26	.60
56	SCHISTOMERINGOS RUDOLPHI	1				1	1	.26	93.81	.17	.408	-.26	.60
57	CIRRATULIO-H			1		1	1	.26	94.07	.17	.408	-.26	.60
58	ONUPHIS SPH			1		1	1	.26	94.33	.17	.408	-.26	.60
59	EXOGONE VERUGERA			1		1	1	.26	94.59	.17	.408	-.26	.60
60	OPHIUGLYCERA DISTORTA		1			1	1	.26	94.85	.17	.408	-.26	.60
61	PISTA CRISTATA			1		1	1	.26	95.10	.17	.408	-.26	.60
62	ALPHEUS FLORIDANUS				1	1	1	.26	95.36	.17	.408	-.26	.60
63	POLYNUIDAE		1			1	1	.26	95.62	.17	.408	-.26	.60
64	SQUILLA CHYDAEA		1			1	1	.26	95.88	.17	.408	-.26	.60
65	TELLINIDAE		1			1	1	.26	96.13	.17	.408	-.26	.60
66	LEPTUCHEIRUS SP		1			1	1	.26	96.39	.17	.408	-.26	.60
67	BRANCHIUSTOMA CARIBAEUM		1			1	1	.26	96.65	.17	.408	-.26	.60
68	GLYCERA TESSELATA	1				1	1	.26	96.91	.17	.408	-.26	.60
69	HIPPOMEDON CF SERRATIUS		1			1	1	.26	97.16	.17	.408	-.26	.60
70	STENOTHUE SP				1	1	1	.26	97.42	.17	.408	-.26	.60
71	SIPUNCULA	1				1	1	.26	97.68	.17	.408	-.26	.60
72	MINUSPID LONGIBRANCHIATA			1		1	1	.26	97.94	.17	.408	-.26	.60
73	POLYCHAETE SPA	1				1	1	.26	98.20	.17	.408	-.26	.60
74	ACTINIARIA SPA	1				1	1	.26	98.45	.17	.408	-.26	.60
75	SYLLIDAE				1	1	1	.26	98.71	.17	.408	-.26	.60
76	VENERIDAE		1			1	1	.26	98.97	.17	.408	-.26	.60
77	LEIOLAMNUS NITIDUS		1			1	1	.26	99.23	.17	.408	-.26	.60
78	SPIOPHANES SP				1	1	1	.26	99.48	.17	.408	-.26	.60
79	NATICA SP	1				1	1	.26	99.74	.17	.408	-.26	.60
80	CIRROPHORUS BRANCHIATUS		1			1	1	.26	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	24	29	28	32	31	25	
NO. OF INDIVIDUALS	42	80	81	63	59	63	388

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	II	80	388	5.1819	.9544	.6875

STATION 3 TRANSECT II PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL				95 PCT			
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF LIM	
1 THYASIRA PYGMAEA		7		14		1	22	3	10.14	10.14	3.67	5.750	-2.37	9.70
2 PARANIS GRACILIS	1	2	3	2		2	10	5	4.61	14.75	1.67	1.033	.50	2.75
3 PARAPRIONOSPION PINNATA		2		1		6	9	3	4.15	18.89	1.50	2.345	-.96	3.96
4 SIGAMBRA TENTACULATA	2	4		2		1	9	4	4.15	23.04	1.50	1.517	-.09	3.09
5 NEMERTINEA	1	1		2	4		8	4	3.69	26.73	1.33	1.506	-.25	2.91
6 XENANTHURA BREVITELSON		3	1	3	1		8	4	3.69	30.41	1.33	1.366	-.10	2.77
7 SYLLIS SPC	1	3	1			2	7	4	3.23	33.64	1.17	1.169	-.06	2.39
8 PARANIS SPA	2	4					6	2	2.76	36.41	1.00	1.673	-.76	2.76
9 SIPUNCULA		2	2	1	1		6	4	2.76	39.17	1.00	.894	.06	1.94
10 PARALACYDONIA PARADOXA		1	1	1	1	1	5	5	2.30	41.47	.03	.408	.40	1.26
11 MINUSPIO LONGIBRANCHIATA		5					5	1	2.30	43.78	.03	2.041	-1.31	2.98
12 NUCULANA ACUTA		3			2		5	2	2.30	46.08	.03	1.329	-.56	2.23
13 HARKANSUS PAUCICHELATUS	1	2		1	1		5	4	2.30	48.39	.03	.753	.04	1.62
14 ONUPHIDAE		1		3	1		5	3	2.30	50.69	.03	1.169	-.39	2.06
15 SPIOPHANES LONGICIRRUS		1		2		1	4	3	1.84	52.53	.67	.816	-.19	1.52
16 DENIALIUM SOWERBYI	1	2	1				4	3	1.84	54.38	.67	.816	-.19	1.52
17 THARYX MANIONI				1	1	1	3	3	1.38	55.76	.50	.548	-.07	1.07
18 FALCIDENS SPA	2	1					3	2	1.38	57.14	.50	.837	-.38	1.38
19 NYBLIS CF AFFINIS	3						3	1	1.38	58.53	.50	1.225	-.79	1.79
20 ARMANDIA MACULATA		1		2			3	2	1.38	59.91	.50	.837	-.38	1.38
21 SPIONIDAE		2				1	3	2	1.38	61.29	.50	.837	-.38	1.38
22 SANSTIELLA CF GREYI	2				1		3	2	1.38	62.67	.50	.837	-.38	1.38
23 SANSTIELLA SPJ	1			2			3	2	1.38	64.06	.50	.837	-.38	1.38
24 COSSURA DELTA		1	1			1	3	3	1.38	65.44	.50	.548	-.07	1.07
25 OPHIURIDEA	1				2		3	2	1.38	66.82	.50	.837	-.38	1.38
26 CYCLOCARDIA ARMILLA	1					1	2	2	.92	67.74	.33	.516	-.21	.88
27 CIRROPHORUS LYRIFORMIS				2			2	1	.92	68.66	.33	.816	-.52	1.19
28 PROCHAETODERMA SPA				2			2	1	.92	69.59	.33	.816	-.52	1.19
29 GLYCERA TESSELATA		1		1			2	2	.92	70.51	.33	.516	-.21	.88
30 HEIEROPHOXUS CF OCULATUS	1	1	1				2	2	.92	71.43	.33	.516	-.21	.88
31 NEPHTYS INCISA	1	1					2	2	.92	72.35	.33	.516	-.21	.88
32 PANDALISCIO SPA	1				1		2	2	.92	73.27	.33	.516	-.21	.88
33 PHILOMEDES SPA		1	1				2	2	.92	74.19	.33	.516	-.21	.88
34 AMPHARETIDAE	1	1					2	2	.92	75.12	.33	.516	-.21	.88
35 ACTINIARIA SPA	1	1					2	2	.92	76.04	.33	.516	-.21	.88
36 PINNOTHERIDAE			2				2	1	.92	76.96	.33	.816	-.52	1.19
37 NINOE NIGRIPES	2						2	1	.92	77.88	.33	.816	-.52	1.19
38 WEBSTERINEREIS TRIDENTATA				2			2	1	.92	78.80	.33	.816	-.52	1.19
39 MALDANIDAE				2			2	1	.92	79.72	.33	.816	-.52	1.19
40 POLYDORA CF SOCIALIS	1						1	1	.46	80.18	.17	.408	-.26	.60
41 AUTOMATE EVERMANNI		1					1	1	.46	80.65	.17	.408	-.26	.60
42 GLYCINDE SOLITARJA		1					1	1	.46	81.11	.17	.408	-.26	.60
43 HIPPOMEDON CF SERRATUS	1						1	1	.46	81.57	.17	.408	-.26	.60
44 CUMACEAN SPE				1			1	1	.46	82.03	.17	.408	-.26	.60
45 ECHINODERMATA						1	1	1	.46	82.49	.17	.408	-.26	.60
46 AMPELISCA VERRILLI	1						1	1	.46	82.95	.17	.408	-.26	.60
47 SABELLIDAE	1						1	1	.46	83.41	.17	.408	-.26	.60
48 SCUTOPUS SPA						1	1	1	.46	83.87	.17	.408	-.26	.60
49 ONUPHIS SPD		1					1	1	.46	84.33	.17	.408	-.26	.60
50 TEREHELLIDES STROEMII		1					1	1	.46	84.79	.17	.408	-.26	.60
51 POECILOCHAETUS JOHNSONI						1	1	1	.46	85.25	.17	.408	-.26	.60
52 MUNNA SP				1			1	1	.46	85.71	.17	.408	-.26	.60
53 CAPITELLIDAE						1	1	1	.46	86.18	.17	.408	-.26	.60
54 STHENELEIS HOA		1					1	1	.46	86.64	.17	.408	-.26	.60

55	POLYCHAETE SPA	1			1	1	.46	87.10	.17	.408	-.26	.60
56	SARSIELLA SPA	1			1	1	.46	87.56	.17	.408	-.26	.60
57	ERIOPISEA INCISA		1		1	1	.46	88.02	.17	.408	-.26	.60
58	CIRRHATULIDAE		1		1	1	.46	88.48	.17	.408	-.26	.60
59	TURRHONILLA SP		1		1	1	.46	88.94	.17	.408	-.26	.60
60	PHYLLODOCE MUCOSA		1		1	1	.46	89.40	.17	.408	-.26	.60
61	AMPELISCA SPA			1	1	1	.46	89.86	.17	.408	-.26	.60
62	LUMBRINERIS PARVAPEDATA			1	1	1	.46	90.32	.17	.408	-.26	.60
63	CALIFIA CF CALIDA		1		1	1	.46	90.78	.17	.408	-.26	.60
64	CAPITELLID SPA			1	1	1	.46	91.24	.17	.408	-.26	.60
65	MEGALOMMA CF QUADRIUCULATUM	1			1	1	.46	91.71	.17	.408	-.26	.60
66	BRANIA FURCELLIGERA	1			1	1	.46	92.17	.17	.408	-.26	.60
67	PORCELLANA SIGSBEIANA		1		1	1	.46	92.63	.17	.408	-.26	.60
68	ONUPHIS SPA		1		1	1	.46	93.09	.17	.408	-.26	.60
69	PECINARIA GOULDII	1			1	1	.46	93.55	.17	.408	-.26	.60
70	OSTRACOD SPAA		1		1	1	.46	94.01	.17	.408	-.26	.60
71	GLYCERA SP			1	1	1	.46	94.47	.17	.408	-.26	.60
72	LEPTOCHELIA SP	1			1	1	.46	94.93	.17	.408	-.26	.60
73	GONIADA MACULATA		1		1	1	.46	95.39	.17	.408	-.26	.60
74	LEPTONIDAE		1		1	1	.46	95.85	.17	.408	-.26	.60
75	LEPTOSTYLIS SP		1		1	1	.46	96.31	.17	.408	-.26	.60
76	ALTERNOCHELATA SPA		1		1	1	.46	96.77	.17	.408	-.26	.60
77	LUMBRINERIS ALHIDENTATA		1		1	1	.46	97.24	.17	.408	-.26	.60
78	PITAH CURDATUS			1	1	1	.46	97.70	.17	.408	-.26	.60
79	LUMBRINERIS TENUIS	1			1	1	.46	98.16	.17	.408	-.26	.60
80	ANCISTROSYLLIS GROENLANDICA		1		1	1	.46	98.62	.17	.408	-.26	.60
81	SERPULIDAE		1		1	1	.46	99.08	.17	.408	-.26	.60
82	HAMINOEA SUCCINEA	1			1	1	.46	99.54	.17	.408	-.26	.60
83	SPIOPHANES SPA		1		1	1	.46	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	25	37	14	31	15	17	
NO. OF INDIVIDUALS	32	65	18	58	20	24	217

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	11	83	217	5.7808	.9762	1.0000

STATION 4 TRANSECT II PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL				MEAN	STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT			CONF	LIM
1 PARAPHRIONOSPID PINNATA	33	28	25	12	12	17	127	6	27.25	27.25	21.17	8.796	11.93	30.40
2 NEPHYS INCISA	10	6	5	8	11	9	49	6	10.52	37.77	8.17	2.317	5.74	10.60
3 APSEUDES SPA	1		14	11	2		28	4	6.01	43.78	4.67	6.186	-1.83	11.16
4 PARANIS GRACILIS	7	5	2	5	5	3	27	6	5.79	49.57	4.50	1.761	2.65	6.35
5 AMPELISCA VERRILLI	1	4	7	4	6	3	25	6	5.36	54.94	4.17	2.137	1.92	6.41
6 MEDIOMASTUS CALIFORNIENSIS	3	3	4	5	2	3	20	6	4.29	59.23	3.33	1.033	2.25	4.42
7 LUMBRINERIS PARVAPEDATA	6	2		5	4	3	20	5	4.29	63.52	3.33	2.160	1.07	5.60
8 AMPELISCA ADULTA	4		5	4	2	2	17	5	3.65	67.17	2.83	1.835	.91	4.76
9 EUDORELLA MONODON	4	6	1	1	3	2	17	6	3.65	70.02	2.83	1.941	.00	4.87
10 SIGAMBRA TENTACULATA	4	3	1	1	2	1	12	6	2.50	73.39	2.00	1.265	.67	3.33
11 NEMERTINEA	2	3		2	2	3	12	5	2.50	75.97	2.00	1.095	.05	3.15
12 COSSURA DELTA	1	2	1	3	5		12	5	2.50	78.54	2.00	1.789	.12	3.00
13 AMPELISCA AGASSIZI	1	7	1		1		10	4	2.15	80.69	1.67	2.650	-1.12	4.46
14 NOTOMASTUS CF LATERICEUS		1	3	5		1	10	4	2.15	82.83	1.67	1.966	-.40	3.73
15 THARYX ANNULOSUS	6	1			3		10	3	2.15	84.98	1.67	2.422	-.88	4.21
16 MAGELONA LONGICORNIS	2	1	1		1	4	9	5	1.93	86.91	1.50	1.378	.05	2.95
17 SPIONIDAE	3	2		1	1		7	4	1.50	88.41	1.17	1.169	-.06	2.39
18 MINUSPID LONGIRHANCHIATA		1	5				6	2	1.29	89.70	1.00	2.000	-1.10	3.10
19 VITRINELLA FLORIDANA			2	3			5	2	1.07	90.77	.83	1.329	-.56	2.23
20 COMBULA SWIFTIANA			3			1	4	2	.86	91.63	.67	1.211	-.60	1.94
21 VOLVULELLA TEXASIANA		2				2	4	2	.86	92.49	.67	1.033	-.42	1.75
22 NINOE NIGRIPES			1	1		2	4	3	.86	93.35	.67	.816	-.19	1.52
23 PINNOTHERIDAE	1				1	1	3	3	.64	93.99	.50	.548	-.07	1.07
24 THARYX MARIONI			3				3	1	.64	94.64	.50	1.225	-.79	1.79
25 ARMANDIA MACULATA				1		2	3	2	.64	95.28	.50	.837	-.38	1.38
26 NEREID SPH		1			2		3	2	.64	95.92	.50	.837	-.38	1.38
27 AEDICINA HELGICAE		2	1				3	2	.64	96.57	.50	.837	-.38	1.38
28 NOTOMASTUS LATERICEUS	1	1					2	2	.43	97.00	.33	.516	-.21	.88
29 PARANIS SPA	1				1		2	2	.43	97.42	.33	.516	-.21	.88
30 NEPHYIDAE			2				2	1	.43	97.85	.33	.816	-.52	1.19
31 ARICIDEA JEFFREYSII	1			1			2	2	.43	98.28	.33	.516	-.21	.88
32 ASYCHIS ELONGATA			1				1	1	.21	98.50	.17	.400	-.26	.60
33 DIOPATRA TRIDENTATA				1			1	1	.21	98.71	.17	.400	-.26	.60
34 DIOPATRA CUPREA			1				1	1	.21	98.93	.17	.400	-.26	.60
35 TEREBELLIDES STROEMII	1						1	1	.21	99.14	.17	.400	-.26	.60
36 MINUSPID CIRRIFERA			1				1	1	.21	99.36	.17	.400	-.26	.60
37 MALACOCEROS VANDERHORSTI						1	1	1	.21	99.57	.17	.400	-.26	.60
38 ONUPHIDAE				1			1	1	.21	99.79	.17	.400	-.26	.60
39 DRILONEIS MAGNA		1					1	1	.21	100.00	.17	.400	-.26	.60

NO. OF SPECIES 21 21 23 20 19 18
 NO. OF INDIVIDUALS 93 82 90 75 66 60 466

STATION 4 TRANSECT II SPECIES 39 INDIVIDUALS 466 DIVERSITY 4.1212 PIE .8956 EQUITABILITY .6667

STATION 5 TRANSECT 11 PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL			ACC PCT	MEAN	STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT				CONF	LIM
1 PARANIS SPA		1	3		7	1	12	4	11.76	11.76	2.00	2.683	-.82	4.82
2 COSSURA DELTA	1	1	3	1	4	1	11	6	10.78	22.55	1.83	1.329	.44	3.23
3 PARAPRIONOSPIO PINNATA		3	3	1	3	1	11	5	10.78	33.33	1.83	1.329	.44	3.23
4 VOLVULELLA TEXASIANA	1	1	2	2		2	8	5	7.84	41.18	1.33	.816	.48	2.19
5 PARANIDES LYRA			4	1			5	2	4.90	46.08	.83	1.602	-.85	2.51
6 MAGELONA LUNGICORNIS		1	2		1	1	5	4	4.90	50.98	.83	.753	.04	1.62
7 NEPHYS INCISA		1	1		2		4	3	3.92	54.90	.67	.816	-.19	1.52
8 SIGAMMA TENTACULATA				1	3		4	2	3.92	58.82	.67	1.211	-.60	1.94
9 PHILINE SAGRA					3		3	1	2.94	61.76	.50	1.225	-.79	1.79
10 GNATHIA SP					2		2	1	1.96	63.73	.33	.816	-.52	1.19
11 NEREID SPH						2	2	1	1.96	65.69	.33	.816	-.52	1.19
12 NOTOMASTUS CF LATERICEUS			1	1			2	2	1.96	67.65	.33	.516	-.21	.88
13 PITAN CORDATUS		1		1			2	2	1.96	69.61	.33	.516	-.21	.88
14 PHYLO FELIX				1	1		2	2	1.96	71.57	.33	.516	-.21	.88
15 AMPELISCA SPA		1			1		2	2	1.96	73.53	.33	.516	-.21	.88
16 MEDIOMASTUS CALIFORNIENSIS					1	1	2	2	1.96	75.49	.33	.516	-.21	.88
17 SCUTIOPUS SPA		1					1	1	.98	76.47	.17	.408	-.26	.60
18 AMPHARETIIDAE						1	1	1	.98	77.45	.17	.408	-.26	.60
19 POLYDORA CF HARTMANAE				1			1	1	.98	78.43	.17	.408	-.26	.60
20 CORHULA SWIFTIANA			1				1	1	.98	79.41	.17	.408	-.26	.60
21 ECHINODERMATA			1				1	1	.98	80.39	.17	.408	-.26	.60
22 SAMYTHELLA ELIASONI			1				1	1	.98	81.37	.17	.408	-.26	.60
23 NEPHYIIDAE		1					1	1	.98	82.35	.17	.408	-.26	.60
24 EXOGONE SP			1				1	1	.98	83.33	.17	.408	-.26	.60
25 LUMBRINERIS TENUIS						1	1	1	.98	84.31	.17	.408	-.26	.60
26 PECTINARIA GOULDII						1	1	1	.98	85.29	.17	.408	-.26	.60
27 AMPELISCA VERRILLI						1	1	1	.98	86.27	.17	.408	-.26	.60
28 LEPTOSTYLIS SP		1					1	1	.98	87.25	.17	.408	-.26	.60
29 ANACHIS CALLIGLYPTA					1		1	1	.98	88.24	.17	.408	-.26	.60
30 PARANIS GRACILIS	1						1	1	.98	89.22	.17	.408	-.26	.60
31 NEREID(NICOM) SPA			1				1	1	.98	90.20	.17	.408	-.26	.60
32 MONOCULOIDES SPH			1				1	1	.98	91.18	.17	.408	-.26	.60
33 LEJOCAPITELLA GLAHRA	1						1	1	.98	92.16	.17	.408	-.26	.60
34 STERIASPIS SCUTATA			1				1	1	.98	93.14	.17	.408	-.26	.60
35 HIPPOMEDON CF SERRATUS					1		1	1	.98	94.12	.17	.408	-.26	.60
36 GLYCERA TESSELATA			1				1	1	.98	95.10	.17	.408	-.26	.60
37 ALPHEUS SP					1		1	1	.98	96.08	.17	.408	-.26	.60
38 PNECULOCHAETUS JOHNSONI						1	1	1	.98	97.06	.17	.408	-.26	.60
39 CHASSINELLA MARTINICENSIS					1		1	1	.98	98.04	.17	.408	-.26	.60
40 AGLAOPHARUS CIRCINATA					1		1	1	.98	99.02	.17	.408	-.26	.60
41 NUCULA PROXIMA					1		1	1	.98	100.00	.17	.408	-.26	.60

NO. OF SPECIES 4 13 14 8 16 14
 NO. OF INDIVIDUALS 4 15 25 9 29 20 102

STATION 5 TRANSECT 11 SPECIES 41 INDIVIDUALS 102 DIVERSITY 4.7086 PIE .9522 EQUITABILITY .9756

STATION 6 TRANSECT 11 PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL					STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		CONF	LTM
1 SIPUNCULA	1	5	3	1	15	3	28	6	6.62	6.62	4.67	5.279	-.87	10.21
2 PITHA CURVATUS		6	3	6	3	7	25	5	5.91	12.53	4.17	2.639	1.40	6.94
3 CORHOLA SWIFTIANA				2	8	8	18	3	4.26	16.78	3.00	3.950	-1.15	7.15
4 HETEROPHOXUS CF UCULATUS	2			1	12	2	17	4	4.02	20.80	2.83	4.579	-1.97	7.64
5 THYASIRA PYGMAEA	5	2	4	2	3		16	5	3.78	24.59	2.67	1.751	.83	4.50
6 SPIONIDAE		6	1		8	1	16	4	3.78	28.37	2.67	3.445	-.95	6.20
7 AMPHARETE AMERICANA		3			4	8	15	3	3.55	31.91	2.50	3.209	-.87	5.87
8 NEREIS SPA		3		2	6	2	13	4	3.07	34.99	2.17	2.229	-.17	4.51
9 ALTERNOCHELATA SPA	4	2	1	1	4		12	5	2.84	37.83	2.00	1.673	.24	3.76
10 PARANIS GRACILIS	2	4	1	1	2	2	12	6	2.84	40.66	2.00	1.095	.05	3.15
11 PHOXOCEPHALID SPA		1		6	3	2	12	4	2.84	43.50	2.00	2.200	-.39	4.39
12 PARANIDES LYRA		1		3	3	3	10	4	2.36	45.86	1.67	1.506	.09	3.25
13 PARAMPHINOME PULCHELLA					7	3	10	2	2.36	48.23	1.67	2.875	-1.35	4.60
14 HALICELLA SPA		4		4	1	1	10	4	2.36	50.59	1.67	1.862	-.29	3.62
15 PARALACYDONIA PARADUXA		3	2	2	1	1	9	5	2.13	52.72	1.50	1.049	.40	2.60
16 THARYX ANNULOSUS	3	2	1	1	1		8	5	1.89	54.61	1.33	1.033	.25	2.42
17 ARMANDIA MACULATA		1	3	1		3	8	4	1.89	56.50	1.33	1.366	-.10	2.77
18 THARYX MARIONI	3		2	1	2		8	4	1.89	58.34	1.33	1.211	.06	2.60
19 LEPTOCHEIRUS SP					5	2	7	2	1.65	60.05	1.17	2.041	-.98	3.31
20 COSSURA DELTA			2	1	3	1	7	4	1.65	61.70	1.17	1.169	-.06	2.39
21 GLYCERA YESSELATA	1	1	1	1	2		6	5	1.42	63.12	1.00	.632	.34	1.66
22 SIGAMMA TENTACULATA	2			1	2	1	6	4	1.42	64.54	1.00	.894	.06	1.94
23 SKOZSHERGIA CF LERNERI		1			3	2	6	3	1.42	65.96	1.00	1.265	-.33	2.33
24 NEMERTINEA		3			1	2	6	3	1.42	67.38	1.00	1.265	-.33	2.33
25 MINUSPID LONGIBRANCHIATA		3			2	1	6	3	1.42	68.79	1.00	1.265	-.33	2.33
26 SPIOPHANES LONGICIRRUS				2	2	2	6	3	1.42	70.21	1.00	1.095	-.15	2.15
27 GNATHIA SP				5			5	1	1.18	71.39	.83	2.041	-1.31	2.98
28 LUMBRINERIS PARVAPEDATA			1		4		5	2	1.18	72.58	.83	1.602	-.85	2.51
29 SPIOPHANES SPA			1		4		5	2	1.18	73.76	.83	1.602	-.85	2.51
30 UPHELIDAE	4						4	1	.95	74.70	.67	1.633	-1.05	2.30
31 NOTOMASTUS AMERICANUS					4		4	1	.95	75.65	.67	1.633	-1.05	2.30
32 RISSUINA CANCELLATA		2		1		1	4	3	.95	76.60	.67	.816	-.19	1.52
33 DENTALIUM SOWERBYI	3					1	4	2	.95	77.54	.67	1.211	-.60	1.94
34 NUCULANA ACUTA	2			1		1	4	3	.95	78.49	.67	.816	-.19	1.52
35 STERNASPIS SCUTATA			1		2	1	4	3	.95	79.43	.67	.816	-.19	1.52
36 SPIOPHANES WIGLEYI		1		2			3	2	.71	80.14	.50	.837	-.30	1.30
37 STHEMELAIS HOA				1	1	1	3	3	.71	80.85	.50	.540	-.07	1.07
38 PARANIS SPA				2		1	3	2	.71	81.56	.50	.837	-.30	1.30
39 THYASIRA SPA				3			3	1	.71	82.27	.50	1.225	-.79	1.79
40 CUMACEAN					1	2	3	2	.71	82.98	.50	.837	-.30	1.30
41 LEPTOCHELA CF HERMUDENSIS		1			1	1	3	3	.71	83.69	.50	.540	-.07	1.07
42 PARAPRIONOSPION PINNATA	1		1		1		3	3	.71	84.40	.50	.540	-.07	1.07
43 VOLVULELLA TEXASIANA		1	2				3	2	.71	85.11	.50	.837	-.30	1.30
44 POLYDORIDAE				1	1		2	2	.47	85.58	.33	.516	-.21	.80
45 OPHUROIDEA						2	2	1	.47	86.05	.33	.816	-.52	1.19
46 MEDIOMASTUS CALIFORNIENSIS					1	1	2	2	.47	86.52	.33	.516	-.21	.80
47 URUPHIDAE					2		2	1	.47	87.00	.33	.816	-.52	1.19
48 CALLIANASSA LATISPINA		1	1				2	2	.47	87.47	.33	.516	-.21	.80
49 ALPHEUS AMBLYONYX		1				1	2	2	.47	87.94	.33	.516	-.21	.80
50 ANUPLODACTYLUS PEIOLATUS	1	1					2	2	.47	88.42	.33	.516	-.21	.80
51 HAPMOTHOE TRIMACULATA		1			1		2	2	.47	88.89	.33	.516	-.21	.80
52 URUPHIS SPH		1			1		2	2	.47	89.36	.33	.516	-.21	.80
53 TRENELLIDES STROEMII				1	1		2	2	.47	89.83	.33	.516	-.21	.80
54 CIRRATULID-H				1		1	2	2	.47	90.31	.33	.516	-.21	.80

55	POLYCHAETE SPA			2		2	1	.47	98.78	.33	.816	-.52	1.19
56	AMPELISCA SPA	1		1		2	2	.47	91.25	.33	.516	-.21	.88
57	SOLEMYA SPA		1			1	1	.24	91.49	.17	.408	-.26	.60
58	AMPHARETE PARVIDENTATA				1	1	1	.24	91.73	.17	.408	-.26	.60
59	PANDALISCID SPA				1	1	1	.24	91.96	.17	.408	-.26	.60
60	ANADARA TRANSVERSA				1	1	1	.24	92.20	.17	.408	-.26	.60
61	MONOCULOIDES SP				1	1	1	.24	92.43	.17	.408	-.26	.60
62	AMAEANA TRILOHATA				1	1	1	.24	92.67	.17	.408	-.26	.60
63	SCUTOPIUS SPA	1				1	1	.24	92.91	.17	.408	-.26	.60
64	STHENOLEPIS CF JAPONICA		1			1	1	.24	93.14	.17	.408	-.26	.60
65	LUMBRINERIS SPA				1	1	1	.24	93.38	.17	.408	-.26	.60
66	AMPELISCA ANDITA				1	1	1	.24	93.62	.17	.408	-.26	.60
67	CAULLENIELLA SPA				1	1	1	.24	93.85	.17	.408	-.26	.60
68	TANAIID SPJ	1				1	1	.24	94.09	.17	.408	-.26	.60
69	GONIADA MACULATA	1				1	1	.24	94.33	.17	.408	-.26	.60
70	SPIOCHAETOPTERUS COSTARUM				1	1	1	.24	94.56	.17	.408	-.26	.60
71	THARYX DORSORHANCHIALIS		1			1	1	.24	94.80	.17	.408	-.26	.60
72	HYBLIS CF AFFINIS	1				1	1	.24	95.04	.17	.408	-.26	.60
73	CUMACEAN SPC				1	1	1	.24	95.27	.17	.408	-.26	.60
74	HIPPOMEDON CF SERRATUS		1			1	1	.24	95.51	.17	.408	-.26	.60
75	CLYTIA LONGICYATHA	1				1	1	.24	95.74	.17	.408	-.26	.60
76	AGLAOPHAMUS CIRCINATA				1	1	1	.24	95.98	.17	.408	-.26	.60
77	NINOE NIGRIPES				1	1	1	.24	96.22	.17	.408	-.26	.60
78	LUMBRINERIS ALBIDENTATA				1	1	1	.24	96.45	.17	.408	-.26	.60
79	AMYGDALUM PAPHYRUM				1	1	1	.24	96.69	.17	.408	-.26	.60
80	DIOPATRA SP				1	1	1	.24	96.93	.17	.408	-.26	.60
81	AIYIDAE				1	1	1	.24	97.16	.17	.408	-.26	.60
82	SPHYRAPUS SPA				1	1	1	.24	97.40	.17	.408	-.26	.60
83	NEREID SPB				1	1	1	.24	97.64	.17	.408	-.26	.60
84	NOTOMASTUS CF LATERICEUS		1			1	1	.24	97.87	.17	.408	-.26	.60
85	CERAPUS TUBULARIS				1	1	1	.24	98.11	.17	.408	-.26	.60
86	NEPHTYS INCISA		1			1	1	.24	98.35	.17	.408	-.26	.60
87	SYLLIS SPC				1	1	1	.24	98.58	.17	.408	-.26	.60
88	AMPHARETIDAE				1	1	1	.24	98.82	.17	.408	-.26	.60
89	OSTRACOD SPD	1				1	1	.24	99.05	.17	.408	-.26	.60
90	STENOHOIDAE	1				1	1	.24	99.29	.17	.408	-.26	.60
91	PHORONIDA				1	1	1	.24	99.53	.17	.408	-.26	.60
92	NEREID(NICON) SPA		1			1	1	.24	99.76	.17	.408	-.26	.60
93	FLABELLIGERIDAE				1	1	1	.24	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	22	34	24	36	46	38	
NO. OF INDIVIDUALS	42	68	37	65	135	76	423

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	11	93	423	5.8064	.9767	.9140

STATION 1 TRANSECT III PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL					95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF LIM
1 AMPELISCA AGASSIZI	12	136	84	19	45	19	315	6	52.68	52.68	52.50	48.797	1.28 103.72
2 PARAPRIONUSPIO PINNATA	49	20	20	6	12	23	130	6	21.74	74.41	21.67	14.787	6.15 37.19
3 NEMERTINEA	16	4		5	4	9	38	5	6.35	80.77	6.33	5.538	.52 12.15
4 MEDIOMASTIUS CALIFORNIENSIS	7	3		3		7	20	4	3.34	84.11	3.33	3.141	.04 6.63
5 NEREID(NICOM) SPA	1	3	1		1	3	9	5	1.51	85.62	1.50	1.225	.21 2.79
6 CERTANTHARIA	3	2		3			8	3	1.34	86.96	1.33	1.546	-.25 2.91
7 NOTOMASTIUS OF LATERICEUS	1	3	1		1	1	7	5	1.17	88.13	1.17	.983	.13 2.20
8 NEPHTYS INCISA	1		5		1		7	3	1.17	89.30	1.17	1.941	-.07 3.20
9 SIGAMBRA TENTACULATA	1			3	1	2	7	4	1.17	90.47	1.17	1.169	-.06 2.39
10 COSSUNA DELTA	1			4		1	6	3	1.00	91.47	1.00	1.549	-.63 2.63
11 PARANUS GRACILIS	2	1				2	5	3	.84	92.31	.83	.983	-.20 1.87
12 SPIONIDAE		1				4	5	2	.84	93.14	.83	1.602	-.85 2.51
13 NINOE NIGRIPES		1	2	1			4	3	.67	93.81	.67	.816	-.19 1.52
14 ANICIDEA JEFFREYSII		2	1			1	4	3	.67	94.48	.67	.816	-.19 1.52
15 MAGELONA LONGICORNIS	1			1	1		3	3	.50	94.98	.50	.540	-.07 1.07
16 THARYX MARIONI				2			2	1	.33	95.32	.33	.816	-.52 1.19
17 APSEUDES SPA					1	1	2	2	.33	95.65	.33	.516	-.21 .88
18 SIGAMBRA HASSI						2	2	1	.33	95.99	.33	.816	-.52 1.19
19 MAGELONA PHYLLISAE		1	1				2	2	.33	96.32	.33	.516	-.21 .88
20 LUMKINERIS PARVAPEDATA	1	1					2	2	.33	96.66	.33	.516	-.21 .88
21 AMPELISCA ABDITA		2					2	1	.33	96.99	.33	.816	-.52 1.19
22 PARAMPHINOME PULCHELLA		1					1	1	.17	97.16	.17	.408	-.26 .60
23 SCOTIOPUS SPA	1						1	1	.17	97.32	.17	.408	-.26 .60
24 OPHIROIDEA	1						1	1	.17	97.49	.17	.408	-.26 .60
25 AGLAUPHAMUS CIRCINATA	1						1	1	.17	97.66	.17	.408	-.26 .60
26 SPIOCHAETOPTERUS CUSTARUM						1	1	1	.17	97.83	.17	.408	-.26 .60
27 VOLVOLELLA TEXASIANA	1						1	1	.17	97.99	.17	.408	-.26 .60
28 MALACOCERUS VANDERHONSTI				1			1	1	.17	98.16	.17	.408	-.26 .60
29 TRACHYPENAEUS SP		1					1	1	.17	98.33	.17	.408	-.26 .60
30 MINUSPIO CIRRIFERA				1			1	1	.17	98.49	.17	.408	-.26 .60
31 CAPITELLIDAE	1						1	1	.17	98.66	.17	.408	-.26 .60
32 NEREIDAE				1			1	1	.17	98.83	.17	.408	-.26 .60
33 NEREID SPA		1					1	1	.17	99.00	.17	.408	-.26 .60
34 SIPUNCULA		1					1	1	.17	99.16	.17	.408	-.26 .60
35 MINUSPIO LONGIBRANCHIATA	1						1	1	.17	99.33	.17	.408	-.26 .60
36 AEDICINA BELGICAE			1				1	1	.17	99.50	.17	.408	-.26 .60
37 SPIOPHANES SPA						1	1	1	.17	99.67	.17	.408	-.26 .60
38 LISTRIELLA BARNARDI	1						1	1	.17	99.83	.17	.408	-.26 .60
39 MAGELONA ROSEA		1					1	1	.17	100.00	.17	.408	-.26 .60

NO. OF SPECIES 20 19 9 13 9 15
 NO. OF INDIVIDUALS 103 185 116 50 67 77 598

STATION 1 TRANSECT III SPECIES 39 INDIVIDUALS 598 DIVERSITY 2.5460 P/E .6699 EQUITABILITY .2051

STATION 2 TRANSECT III PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL ABUND	TOTAL OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
	1	2	3	4	5	6							CONF	LIM
1 PARAPRIONOSPIU PINNATA		2	3	2	5		12	4	9.45	9.45	2.00	1.897	.01	3.99
2 PARADONIS GRACILIS	1		6		1		8	3	6.30	15.75	1.33	2.338	-1.12	3.79
3 NEMERTINEA		2	4			2	8	3	6.30	22.05	1.33	1.653	-.38	3.05
4 COSSURA DELTA			3			3	6	2	4.72	26.77	1.00	1.549	-.63	2.63
5 THYASIRA SPA			3		3		6	2	4.72	31.50	1.00	1.549	-.63	2.63
6 MEDIOASTIUS CALIFORNIENSIS	1		4				5	2	3.94	35.43	.83	1.602	-.85	2.51
7 EUDORELLA MONGDON	2		1	2			5	3	3.94	39.37	.83	.983	-.20	1.87
8 AEDICINA BELGICAE		1	1	1	1		4	4	3.15	42.52	.67	.516	.12	1.21
9 HIPPOMEDON CF SERHATUS		1	2			1	4	3	3.15	45.67	.67	.816	-.19	1.52
10 MAGELONA LONGICORNIS			2	1		1	4	3	3.15	40.82	.67	.816	-.19	1.52
11 NEPHIYS INCISA			1	3			4	2	3.15	51.97	.67	1.211	-.60	1.94
12 LUMBRINERIS PARVAPEDATA			1		3		4	2	3.15	55.12	.67	1.211	-.60	1.94
13 SIGAMBHA TENTACULATA	1				1	1	3	3	2.36	57.48	.50	.548	-.07	1.07
14 AMPHARETIIDAE				1	2		3	2	2.36	59.64	.50	.837	-.38	1.38
15 AMPELISCA AGASSIZI	1	1				1	3	3	2.36	62.20	.50	.548	-.07	1.07
16 VOLVULELLA TEXASIANA					3		3	1	2.36	64.57	.50	1.225	-.79	1.79
17 PHILINE SAGRA				1	1		2	2	1.57	66.14	.33	.516	-.21	.88
18 GONIADA NORVEGICA			2				2	1	1.57	67.72	.33	.816	-.52	1.19
19 AMPHARETE PARVIDENTATA		1				1	2	2	1.57	69.29	.33	.516	-.21	.88
20 AMPELISCA SPA	1		1				2	2	1.57	70.87	.33	.516	-.21	.88
21 PARADONIS SPA						2	2	1	1.57	72.44	.33	.816	-.52	1.19
22 STHENELEIS HUA		1			1		2	2	1.57	74.02	.33	.516	-.21	.88
23 LEPIDOMORPHA			2				2	1	1.57	75.59	.33	.816	-.52	1.19
24 PSEUDEURYTHOE AMBIGUA				1			1	1	.79	76.38	.17	.408	-.26	.60
25 LUMACEAN SPH					1		1	1	.79	77.17	.17	.408	-.26	.60
26 LEPTOCHEIRUS SP			1				1	1	.79	77.95	.17	.408	-.26	.60
27 NOTOMASTIUS AMERICANUS		1					1	1	.79	78.74	.17	.408	-.26	.60
28 SPIONIDAE			1				1	1	.79	79.53	.17	.408	-.26	.60
29 SPIOPHANES SPA			1				1	1	.79	80.31	.17	.408	-.26	.60
30 PARADONIDES LYRA		1					1	1	.79	81.10	.17	.408	-.26	.60
31 NOTOMASTIUS CF AMERICANUS			1				1	1	.79	81.89	.17	.408	-.26	.60
32 DRILUNHEIS MAGNA					1		1	1	.79	82.68	.17	.408	-.26	.60
33 AMAEAYA TRILOBATA			1				1	1	.79	83.46	.17	.408	-.26	.60
34 ARMANDIA MACULATA			1				1	1	.79	84.25	.17	.408	-.26	.60
35 SCOLELEPIS TEXANA					1		1	1	.79	85.04	.17	.408	-.26	.60
36 CERJANTHARIA						1	1	1	.79	85.83	.17	.408	-.26	.60
37 NEREID SPH				1			1	1	.79	86.61	.17	.408	-.26	.60
38 OPHIODROMUS OBSCURUS		1					1	1	.79	87.40	.17	.408	-.26	.60
39 PINNOTHERIDAE		1					1	1	.79	88.19	.17	.408	-.26	.60
40 LUMBRINERIS CF MAGALHAENSIS						1	1	1	.79	88.98	.17	.408	-.26	.60
41 NIDOE NIGRIPES				1			1	1	.79	89.76	.17	.408	-.26	.60
42 THARYX MARIOMI		1					1	1	.79	90.55	.17	.408	-.26	.60
43 NOTOMASTIUS CF LATERICEUS				1			1	1	.79	91.34	.17	.408	-.26	.60
44 CORNULA SWIFTIANA				1			1	1	.79	92.13	.17	.408	-.26	.60
45 PIPAR CURDATUS				1			1	1	.79	92.91	.17	.408	-.26	.60
46 POLYCHAETE SPA			1				1	1	.79	93.70	.17	.408	-.26	.60
47 SPIOPHANES LONGICORNIS					1		1	1	.79	94.49	.17	.408	-.26	.60
48 SAPHYINELLA ELIASOMI					1		1	1	.79	95.28	.17	.408	-.26	.60
49 THARYX ANNULOSUS				1			1	1	.79	96.06	.17	.408	-.26	.60
50 EXOGONE DISPAR				1			1	1	.79	96.85	.17	.408	-.26	.60
51 AUTOMATE EVERMANNI				1			1	1	.79	97.64	.17	.408	-.26	.60
52 PODOCEROPUS SP					1		1	1	.79	98.43	.17	.408	-.26	.60
53 CAOLLERIELLA CAPENSIS				1			1	1	.79	99.21	.17	.408	-.26	.60
54 HYALA SPA					1		1	1	.79	100.00	.17	.408	-.26	.60

NO. OF SPECIES 7 12 21 16 18 10
 NO. OF INDIVIDUALS 8 14 42 20 29 14 127

STATION 2 TRANSECT III SPECIES 54 INDIVIDUALS 127 DIVERSITY 5.2787 PIE .9724 EQUITABILITY 1.0370

1	ALTERNOCHLATA SPA	1	3	8	3	2	17	5	8.76	8.76	2.83	2.787	-.09	5.76
2	SIGAMBRA TENTACULATA	1	3	2	2	3	13	6	6.70	15.46	2.17	.753	1.38	2.96
3	PARAPRIONOSPID PINNATA	4	1	1	2	1	10	6	5.15	20.62	1.67	1.211	.40	2.94
4	DENTALIUM SOWERBYI			2	5		9	3	4.64	25.26	1.50	1.975	-.57	3.57
5	NEMPHYS INCISA	1		3	2	1	8	5	4.12	29.30	1.33	1.033	.25	2.42
6	PIIAR CORDATUS		2	5			8	3	4.12	33.51	1.33	1.966	-.73	3.40
7	NEMERTINEA	1	1	2	2		7	5	3.61	37.11	1.17	.753	.38	1.96
8	PARAONIS SPA		1	3	2	1	7	4	3.61	40.72	1.17	1.169	-.06	2.39
9	THYASIRA PYGMAEA		1	1	2	1	6	5	3.09	43.81	1.00	.632	.34	1.66
10	SPIOPHARES WIGLEYI	1		3		1	6	4	3.09	46.91	1.00	1.095	-.15	2.15
11	SPIOPHARES LONGICIRRUS	2	3		1		6	3	3.09	50.00	1.00	1.265	-.33	2.33
12	PARALACYDONIA PARADOXA		2	2	2		6	3	3.09	53.09	1.00	1.095	-.15	2.15
13	SIFKASPIS SCUTATA	2		1	1	2	6	4	3.09	56.19	1.00	.894	.06	1.94
14	ARMANDIA MACULATA		1	3			5	3	2.58	58.76	.83	1.169	-.39	2.06
15	AGLAOPHAMUS CIRCINATA		2	2	1		5	3	2.58	61.34	.83	.983	-.20	1.87
16	HETEROPHOXUS CF OCHLATUS	4					4	1	2.06	63.40	.67	1.633	-1.05	2.38
17	TERENELLIDES STROEMII			2		2	4	2	2.06	65.46	.67	1.033	-.42	1.75
18	SYLLIS SPC			1	1	1	4	4	2.06	67.53	.67	.516	.12	1.21
19	AMPHARETE PARVIDENTATA			2	2		4	2	2.06	69.59	.67	1.033	-.42	1.75
20	COSSURA DELIA		2	1		1	4	3	2.06	71.65	.67	.816	-.19	1.52
21	THARYX MARIONI		2	1	1		4	3	2.06	73.71	.67	.816	-.19	1.52
22	MALDANIDAE	1	2			1	4	3	2.06	75.77	.67	.816	-.19	1.52
23	RINDO NIGRIPES	1		1	1		3	3	1.55	77.82	.50	.548	-.07	1.07
24	NICULANA ACUTA		1	1		1	3	3	1.55	78.87	.50	.548	-.07	1.07
25	PARAONIS GRACILIS			2			3	2	1.55	80.41	.50	.837	-.38	1.38
26	PHILINE SAGHA	1				1	2	2	1.03	81.44	.33	.516	-.21	.88
27	SIPUNCULA	1					2	2	1.03	82.47	.33	.516	-.21	.88
28	LUMBRINERIS SPA			1	1		2	2	1.03	83.51	.33	.516	-.21	.88
29	SPHYRAPUS SPA			2			2	1	1.03	84.54	.33	.816	-.52	1.19
30	HIPPOMEDON CF SERRATUS			1	1		2	2	1.03	85.57	.33	.516	-.21	.88
31	PARAONIDES LYRA				2		2	1	1.03	86.60	.33	.816	-.52	1.19
32	THARYX ANNULOSUS	1				1	2	2	1.03	87.63	.33	.516	-.21	.88
33	GLYCERA TESSLATA		1	1			2	2	1.03	88.66	.33	.516	-.21	.88
34	AMPELISCA SPA	1					1	1	.52	89.18	.17	.408	-.26	.60
35	GNATHIA SP			1			1	1	.52	89.69	.17	.408	-.26	.60
36	LUMBRINERIS ALBIDENTATA	1					1	1	.52	90.21	.17	.408	-.26	.60
37	POLYDORA CF HARTMAGAE			1			1	1	.52	90.72	.17	.408	-.26	.60
38	NANINIDAE SP			1			1	1	.52	91.24	.17	.408	-.26	.60
39	PROCESSIONAE	1					1	1	.52	91.75	.17	.408	-.26	.60
40	XENARTHURA BREVITELSON					1	1	1	.52	92.27	.17	.408	-.26	.60
41	HYBLIS CF AFFINIS	1					1	1	.52	92.78	.17	.408	-.26	.60
42	ARCIIDEA NEUSUEFICA				1		1	1	.52	93.30	.17	.408	-.26	.60
43	LUMBRINERIS PARVAPEDATA					1	1	1	.52	93.81	.17	.408	-.26	.60
44	SARSIELLA SPI		1				1	1	.52	94.33	.17	.408	-.26	.60
45	ARCIIDEA CF USCHAKOVI			1			1	1	.52	94.85	.17	.408	-.26	.60
46	SEQUENZIA MONOCINGULATA				1		1	1	.52	95.36	.17	.408	-.26	.60
47	NOTORASINUS HEMIPODUS	1					1	1	.52	95.88	.17	.408	-.26	.60
48	OPHIUROIDEA	1					1	1	.52	96.39	.17	.408	-.26	.60
49	AAGGALUM PAPYRIUM		1				1	1	.52	96.91	.17	.408	-.26	.60
50	CIRRHATULIDAE					1	1	1	.52	97.42	.17	.408	-.26	.60
51	PIROMIS FRUCA		1				1	1	.52	97.94	.17	.408	-.26	.60
52	VOILVILELLA TEXASIANA			1			1	1	.52	98.45	.17	.408	-.26	.60
53	AEDICINA BELGICAE		1				1	1	.52	98.97	.17	.408	-.26	.60
54	SPIOPHARES SP				1		1	1	.52	99.48	.17	.408	-.26	.60
55	DORVILLEA SPA	1					1	1	.52	100.00	.17	.408	-.26	.60

NO. OF SPECIES 21 20 31 21 18 13
 NO. OF INDIVIDUALS 29 32 59 35 24 15 194

STATION TRANSECT SPECIES INDIVIDUALS DIVERSITY PIE EQUITABILITY
 3 III 55 194 5.2701 .9708 1.0182

STATION 4 TRANSECT III PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL					95 PCT		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF	LIM
1 MAGELONA PHYLLISAE	167	141	153		137	183	781	5	13.76	13.76	138.17	65.995	68.98	199.44
2 PRIONOSPIO CRISTATA	99	135	115	131	129	183	712	6	12.55	26.31	118.67	15.386	102.60	134.73
3 MEDIUMASIDUS CALIFORNENSIS	21	152	88	72	141	95	569	6	10.83	36.33	94.83	47.789	44.67	144.99
4 SPIROPHANES BOMBYX	58	123	41	54	84	37	397	6	7.00	43.33	66.17	32.394	32.17	100.17
5 LUMBRINERIS PARVAPEDATA	64	31	61	65	39	91	351	6	6.19	49.52	58.58	21.314	36.13	80.87
6 ABRA AEGUALIS	72	51	76	13	44	86	342	6	6.03	55.54	57.80	26.713	28.96	85.04
7 PARANOIDES LYRA	72	96	34	63	39	7	311	6	5.48	61.02	51.83	31.543	18.73	84.94
8 THARYX ANNULOSUS	31	102	16	18	55		222	5	3.91	64.93	37.80	36.759	-1.58	75.58
9 NEMERTINEA	1	58	14	48	37	22	180	6	3.17	68.11	38.80	21.531	7.40	52.60
10 POLYCHAETE SPA	12	49	26	8	28	28	143	6	2.52	70.63	23.83	14.566	8.54	39.12
11 ARICIDEA TAYLORI	18	24	18	28	31	23	142	6	2.50	73.13	23.67	5.241	18.17	29.17
12 ARICIDEA JEFFREYSII	8	28	21	16	7	9	89	6	1.57	74.78	14.83	8.424	5.99	23.68
13 PARAPRIONOSPIO PINNATA	15	7	14	16	5	27	84	6	1.48	76.18	14.80	7.797	5.82	22.18
14 MAGELONA PETIHOEAE	2	18	5	12	16	28	81	6	1.43	77.60	13.50	9.418	3.61	23.39
15 APOPRIONOSPIO PYGMAEA	21	15	11	6	9	12	74	6	1.30	78.91	12.33	5.203	6.87	17.79
16 CIRRHULA SWIFTIANA	14	6	9	12	7	22	70	6	1.23	80.14	11.67	5.888	5.49	17.85
17 ANAHARA TRANSVERSA	5	38		3	12	13	63	5	1.11	81.25	18.50	10.821	-0.86	21.86
18 TELLINA VENSICOLOR	17	2	8	1	19	12	59	6	1.04	82.29	9.83	7.521	1.94	17.73
19 COSSUNA DELIA	12	2	7	23	8	6	58	6	1.02	83.31	9.67	7.285	2.02	17.31
20 DIPLODONTA CF SONDH	18	2	28	5	12	8	57	6	1.00	84.32	9.50	6.253	2.94	16.86
21 AGLAOPHAMUS VERRILLI	2	9	8	9	7	8	43	6	.76	85.07	7.17	2.639	4.40	9.94
22 AMPELISCA SPB	16	6	8	1	1	8	40	6	.70	85.78	6.67	5.574	.82	12.52
23 AMPELISCA VERRILLI	7	4	8	2	8	3	32	6	.56	86.34	5.33	2.658	2.54	8.12
24 AMPELISCA CF CRISTATA	3	4	8	5	4	8	32	6	.56	86.91	5.33	2.168	3.07	7.60
25 CERATOCEPHALE OCULATA	5	1	1	17	4	4	32	6	.56	87.47	5.33	5.955	-.92	11.58
26 THARYX MARIONI			4	6	1	21	32	4	.56	88.84	5.33	8.042	-3.11	13.77
27 MINUSPIO CIRRIFERA	2		8	2	13	1	26	5	.46	88.49	4.33	5.086	-1.00	9.67
28 OPHTHURIDEA		6	1	3	5	18	25	5	.44	88.93	4.17	3.656	.33	8.88
29 LUMBRINERIS TENUIS	7	7	1	2	3	3	23	6	.41	89.34	3.83	2.563	1.14	6.52
30 POLYCIHRUS SPA	7	2		5	5	4	23	5	.41	89.74	3.83	2.483	1.23	6.44
31 BRANCHIUSTOMA CARINAEUM		4	1	3	13	1	22	5	.39	90.13	3.67	4.843	-1.37	8.71
32 PARANIDIS GRACILIS	1	5	1	7	4	4	22	6	.39	90.52	3.67	2.338	1.21	6.12
33 APSEUDE SPA	1	1	10	5	1	2	20	6	.35	90.87	3.33	3.615	-.46	7.13
34 SIPUNCULA	2	3	3	3	5	2	18	6	.32	91.19	3.08	1.895	1.85	4.15
35 AGLAOPHAMUS CIRCINATA	4	3		2	1	7	17	5	.30	91.49	2.83	2.483	.23	5.44
36 NEREIS LAMELLOSA	1	11		1	3		16	4	.28	91.77	2.67	4.227	-1.77	7.10
37 TELLINIDAE		16					16	1	.28	92.05	2.67	6.532	-4.19	9.52
38 AFDICINA HELGICAE	5	3	1		2	4	15	5	.26	92.32	2.50	1.871	.54	4.46
39 SPIONIDAE	4		2	1	3	3	13	5	.23	92.55	2.17	1.472	.62	3.71
40 LUCINA AMIANTUS			6		4	3	13	3	.23	92.78	2.17	2.563	-.52	4.86
41 PHORONIDA	1	5	2	1	1	3	13	6	.23	93.00	2.17	1.602	.49	3.85
42 AMPELISCA AGASSIZI	5		5		1	1	12	4	.21	93.22	2.00	2.366	-.48	4.48
43 PARANIDAE	2		4	6			12	3	.21	93.43	2.00	2.538	-.66	4.66
44 GYPIIS VITIATA	3	1	2	3		2	11	5	.19	93.62	1.83	1.169	.61	3.06
45 MAGELONA ROSEA	5			3	2		10	3	.18	93.80	1.67	2.066	-.50	3.83
46 ANAEANA TRILOBATA	3	2		3		2	10	4	.18	93.97	1.67	1.366	.23	3.10
47 SCHISTOMERINGOS SPA	1	5		4			10	3	.18	94.15	1.67	2.251	-.70	4.03
48 NEPHYTYS BUCERA			5	5			10	2	.18	94.33	1.67	2.582	-1.04	4.38
49 SPIROPHANES SPA		2	1	4	2		9	4	.16	94.48	1.50	1.517	-.89	3.89
50 ARICIDEA MASSI	1	3	2	1	2		9	5	.16	94.64	1.50	1.849	.40	2.60
51 OGYRIDES LIMICOLA	5		1	2	1		9	4	.16	94.80	1.50	1.871	-.46	3.46
52 DIOPATRA CUPREA	1	2		1	1	4	9	5	.16	94.96	1.50	1.378	.05	2.95
53 AMPHARETE ACOTIFRONS	6		1		1		8	3	.14	95.10	1.33	2.338	-1.12	3.79
54 GONJADA LITTOREA	2	3	1	1	1		8	5	.14	95.24	1.33	1.833	.25	2.42

55	PSEUDEURYTHOE AMBIGUA			4	2		2	8	3	.14	95.34	1.33	1.633	-.38	3.05
56	SPILOCHAETOPTERUS COSTARUM	1	2	2	1	2		8	5	.14	95.52	1.33	.816	.48	2.19
57	LITRIELLA HARRARDI	2		1	3	1		7	4	.12	95.65	1.17	1.169	-.06	2.39
58	CYCLASPIS VARIANS	2	1			3	1	7	4	.12	95.77	1.17	1.169	-.06	2.39
59	CAHIRA INCERTA	1	3	1		1	1	7	5	.12	95.89	1.17	.983	.13	2.20
60	SIGAMBHA TENTACULATA	1			3	2	1	7	4	.12	96.02	1.17	1.169	-.06	2.39
61	LUCINA MULTILINEATA	1	1	3	1		1	7	5	.12	96.14	1.17	.983	.13	2.20
62	NUCULA PROXIMA	3		1			2	6	3	.11	96.25	1.00	1.265	-.33	2.33
63	PHOTIS MACKONANUS	3	1	2				6	3	.11	96.35	1.00	1.265	-.33	2.33
64	SYNCHELIDIUM CF AMERICANUM	1	1	2		1	1	6	5	.11	96.46	1.00	.632	.34	1.66
65	CIRROPHORUS LYRIFORMIS	6						6	1	.11	96.56	1.00	2.449	-1.57	3.57
66	TEREBELLIDES SINDERMII	1	2	1		1	1	6	5	.11	96.67	1.00	.632	.34	1.66
67	SCOLOPUS RUBRA	2	2			1		5	3	.09	96.76	.83	.983	-.20	1.87
68	EUCERAMUS PRAELONGUS	1	1		1		2	5	4	.09	96.85	.83	.753	.04	1.62
69	CALLIANASSA BIFORMIS			1	1	3		5	3	.09	96.93	.83	1.169	-.39	2.06
70	LUMBRINERIS JANUARI			3	1	1		5	3	.09	97.02	.83	1.169	-.39	2.06
71	STHENELEIS BOA	2		1			1	4	3	.07	97.09	.67	.816	-.19	1.52
72	OXYDOSTYLIS SP	1	1	2				4	3	.07	97.16	.67	.816	-.19	1.52
73	MINUSPIO LONGIBRANCHIATA		4					4	1	.07	97.23	.67	1.633	-1.05	2.38
74	NEPHYS PICTA	1	1		2			4	3	.07	97.30	.67	.816	-.19	1.52
75	DIOPATRA CF NEOTRIDENS		4					4	1	.07	97.37	.67	1.633	-1.05	2.38
76	AMPHARETE AMERICANA	3				1		4	2	.07	97.44	.67	1.211	-.68	1.94
77	GAENIA FUSIFORMIS		1		2	1		4	3	.07	97.52	.67	.816	-.19	1.52
78	AMPHILOCHUS SP		4					4	1	.07	97.59	.67	1.633	-1.05	2.38
79	PODOFEROPSIS SP		1	1		2		4	3	.07	97.66	.67	.816	-.19	1.52
80	UNCIOLA SERRATA			1	1		2	4	3	.07	97.73	.67	.816	-.19	1.52
81	DRILONERIS MAGNA	1			1		1	3	3	.05	97.78	.50	.548	-.07	1.07
82	SCOLOPUS CAPENSIS	1	1	1				3	3	.05	97.83	.50	.548	-.07	1.07
83	NETAMELITA HARRARDI	1		1	1			3	3	.05	97.89	.50	.548	-.07	1.07
84	CYCLASPIS SPB	3						3	1	.05	97.94	.50	1.225	-.79	1.79
85	OPHIDROMUS OBSCURUS	1				2		3	2	.05	97.99	.50	.837	-.38	1.38
86	ZOANIHARIA		2		1			3	2	.05	98.04	.50	.837	-.38	1.38
87	HAPLOSCOLOPUS FOLIOSUS		1		1	1		3	3	.05	98.10	.50	.548	-.07	1.07
88	SABELLARIA VULGARIS						3	3	1	.05	98.15	.50	1.225	-.79	1.79
89	PAGURIDAE		1			2		3	2	.05	98.20	.50	.837	-.38	1.38
90	LUMBRINERIS SP				3			3	1	.05	98.26	.50	1.225	-.79	1.79
91	PROCESSA HEMPHILLI			1			2	3	2	.05	98.31	.50	.837	-.38	1.38
92	DIOTENIDAE					3		3	1	.05	98.36	.50	1.225	-.79	1.79
93	GONIADIDAE			1		2		3	2	.05	98.41	.50	.837	-.38	1.38
94	CHIROPHIID SPA					2		2	1	.04	98.45	.33	.816	-.52	1.19
95	ERICHTHONIAS BRASILIENSIS					2		2	1	.04	98.48	.33	.816	-.52	1.19
96	NEOMEGALOPUS SP					2		2	1	.04	98.52	.33	.816	-.52	1.19
97	PULIDICES DUPLICATUS				1	1		2	2	.04	98.56	.33	.516	-.21	.88
98	MONOCULOIDES SPB	1			1			2	2	.04	98.59	.33	.516	-.21	.88
99	OMPHRIDAE	1					1	2	2	.04	98.63	.33	.516	-.21	.88
100	ISOLDA PULCHELLA		1			1		2	2	.04	98.66	.33	.516	-.21	.88
101	CHAETIZONE SETOSA		2					2	1	.04	98.70	.33	.816	-.52	1.19
102	BATEA SP		2					2	1	.04	98.73	.33	.816	-.52	1.19
103	MALDANIDAE	1				1		2	2	.04	98.77	.33	.516	-.21	.88
104	CHAETOPTERIDAE			1			1	2	2	.04	98.80	.33	.516	-.21	.88
105	PINNOOTHERIDAE	1		1				2	2	.04	98.84	.33	.516	-.21	.88
106	NATICIDAE	1	1					2	2	.04	98.87	.33	.516	-.21	.88
107	SIGALIONIDAE			1			1	2	2	.04	98.91	.33	.516	-.21	.88
108	MAGELONA SP			2				2	1	.04	98.94	.33	.816	-.52	1.19
109	NUCULANA ACUTA			1		1		2	2	.04	98.98	.33	.516	-.21	.88
110	CIRRIFORMIA GRANDIS	1	1					2	2	.04	99.01	.33	.516	-.21	.88
111	MERCENARIA CAMPECHIENSIS	2						2	1	.04	99.05	.33	.816	-.52	1.19
112	HARMOTHOE IMBRICATA					1		1	1	.02	99.07	.17	.408	-.26	.60
113	CHITONE CLENCHI						1	1	1	.02	99.08	.17	.408	-.26	.60
114	SCHISTOMERINGOS RUDOLPHI					1		1	1	.02	99.10	.17	.408	-.26	.60
115	ALPHIDAE					1		1	1	.02	99.12	.17	.408	-.26	.60
116	SILVA MACULATUM	1						1	1	.02	99.14	.17	.408	-.26	.60

117	ARMANDIA AGILIS		1	1	1	.02	99.15	.17	.408	-.26	.60
118	CIRRHATULIDAE		1	1	1	.02	99.17	.17	.408	-.26	.60
119	CUMACEAN	1		1	1	.02	99.19	.17	.408	-.26	.60
120	GLYCERA AMERICANA		1	1	1	.02	99.21	.17	.408	-.26	.60
121	PENAEIDAE		1	1	1	.02	99.22	.17	.408	-.26	.60
122	SEMPULIDAE	1		1	1	.02	99.24	.17	.408	-.26	.60
123	PINNIDAE		1	1	1	.02	99.26	.17	.408	-.26	.60
124	CLYMENELLA TURQUATA		1	1	1	.02	99.28	.17	.408	-.26	.60
125	AMICIDEA NEUSIECICA		1	1	1	.02	99.30	.17	.408	-.26	.60
126	LUMBRINERIS ALHIDENIATA		1	1	1	.02	99.31	.17	.408	-.26	.60
127	PARAMETUPELLA TEXENSIS	1		1	1	.02	99.33	.17	.408	-.26	.60
128	CAPITELLA CAPITATA	1	1	1	1	.02	99.35	.17	.408	-.26	.60
129	POLYDORA AGGREGATA	1		1	1	.02	99.37	.17	.408	-.26	.60
130	AMPELISCA ABDITA	1		1	1	.02	99.38	.17	.408	-.26	.60
131	PERSEPHONA SP		1	1	1	.02	99.40	.17	.408	-.26	.60
132	SPIOPHANES WIGLEYI		1	1	1	.02	99.42	.17	.408	-.26	.60
133	TEREBRA PROTEXTA		1	1	1	.02	99.44	.17	.408	-.26	.60
134	TEREBELLIDAE		1	1	1	.02	99.45	.17	.408	-.26	.60
135	EUPANTHALIS KINBERGI		1	1	1	.02	99.47	.17	.408	-.26	.60
136	AMICIDEA CF FRAGILIS	1		1	1	.02	99.49	.17	.408	-.26	.60
137	LAONICE CIRRHATA		1	1	1	.02	99.51	.17	.408	-.26	.60
138	TELLINA AEGUISTRIATA	1		1	1	.02	99.52	.17	.408	-.26	.60
139	MUNNA SP		1	1	1	.02	99.54	.17	.408	-.26	.60
140	ARCINELLA COMBITA	1		1	1	.02	99.56	.17	.408	-.26	.60
141	SAMYTHELLA ELIASONI		1	1	1	.02	99.58	.17	.408	-.26	.60
142	DIOPATKA TRIDENTATA	1		1	1	.02	99.59	.17	.408	-.26	.60
143	CHEPIDULA CF FURNICATA		1	1	1	.02	99.61	.17	.408	-.26	.60
144	SIGAMBRA BASSI		1	1	1	.02	99.63	.17	.408	-.26	.60
145	GONEPLACIDAE		1	1	1	.02	99.65	.17	.408	-.26	.60
146	TRACHYPENAEUS SIMILIS		1	1	1	.02	99.67	.17	.408	-.26	.60
147	PRIONOSPID STEENSTRUPI	1		1	1	.02	99.68	.17	.408	-.26	.60
148	CORUPHIID SPA	1		1	1	.02	99.70	.17	.408	-.26	.60
149	POLYDORIDAE		1	1	1	.02	99.72	.17	.408	-.26	.60
150	SOLFN VIRIDIS		1	1	1	.02	99.74	.17	.408	-.26	.60
151	NOTOMASTUS HEMIPODUS		1	1	1	.02	99.75	.17	.408	-.26	.60
152	GONIADA MACULATA		1	1	1	.02	99.77	.17	.408	-.26	.60
153	EULINA HEMPHILLI		1	1	1	.02	99.79	.17	.408	-.26	.60
154	PHYLLODOCE MUCOSA		1	1	1	.02	99.81	.17	.408	-.26	.60
155	NEPHYIIDAE	1		1	1	.02	99.82	.17	.408	-.26	.60
156	LOVENELLA GRANDIS		1	1	1	.02	99.84	.17	.408	-.26	.60
157	NEREID(HTICON) SPA	1		1	1	.02	99.86	.17	.408	-.26	.60
158	HETEROCRYPTA GRANULATA		1	1	1	.02	99.88	.17	.408	-.26	.60
159	NEREIDAE		1	1	1	.02	99.89	.17	.408	-.26	.60
160	CAPITELLIDAE		1	1	1	.02	99.91	.17	.408	-.26	.60
161	EULINA BIFASCIATA	1		1	1	.02	99.93	.17	.408	-.26	.60
162	LEPTOCHELA SERRATORBITA	1		1	1	.02	99.95	.17	.408	-.26	.60
163	OLIVA SAYANA		1	1	1	.02	99.96	.17	.408	-.26	.60
164	CRASSINELLA LUNULATA		1	1	1	.02	99.98	.17	.408	-.26	.60
165	WATICA CANNENA	1		1	1	.02	100.00	.17	.408	-.26	.60

NO. OF SPECIES
NO. OF INDIVIDUALS

80 78 73 72 87 76
8701233 870 7351012 955 5675

STATION TRANSECT SPECIES INDIVIDUALS DIVERSITY PIE EQUITABILITY
4 III 165 5675 4.8139 .9344 .2606

STATION 5 TRANSECT III PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL					95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF LIM
1 APSEUDES SPA	13		1	51	16	4	85	5	20.68	20.68	14.17	19.177	-5.96 34.30
2 PARAPRILOUSPIO PINNATA	11	7	7	17	15	4	61	6	14.84	35.52	10.17	5.076	4.84 15.49
3 AMPELISCA ABDITA	4	3	12	7	11	2	39	6	9.49	45.01	6.50	4.231	2.06 10.94
4 LUMBRINERIS PARVAPEDATA	2		3	9	5	4	23	5	5.60	50.61	3.83	3.061	.62 7.05
5 NOTUMASTUS CF LATERICEUS	2	5	2	5	4	2	20	6	4.87	55.47	3.33	1.506	1.75 4.91
6 NEPHTYS INCISA	1	3	2	2	8	3	19	6	4.62	60.10	3.17	2.483	.56 5.77
7 EUDORELLA MUNDON	5	1		2	7	2	17	5	4.14	64.23	2.83	2.639	.06 5.60
8 NEMERTINEA	2			7	4	2	15	4	3.65	67.88	2.50	2.665	-.30 5.30
9 AMPELISCA VERRILLI	2	2	2	2	7		15	5	3.65	71.53	2.50	2.345	.04 4.96
10 CURRULA SWIFTIANA	6			7	1		14	3	3.41	74.94	2.33	3.266	-1.09 5.76
11 PARANYS GRACILIS	1	2	3	1	3	1	11	6	2.68	77.62	1.83	.983	.80 2.87
12 SPIRIDAE	5	2		2	1		10	4	2.43	80.05	1.67	1.862	-.29 3.62
13 AMPELISCA AGASSIZI		1			8	1	10	3	2.43	82.44	1.67	3.141	-1.63 4.96
14 LISTRIELLA HANNARDI		1		5	4		10	3	2.43	84.91	1.67	2.251	-.70 4.03
15 PIRIIDAE	2			1	1	3	7	4	1.70	86.62	1.17	1.169	-.06 2.39
16 VOLVULLELLA TEXASTANA	1		2	1	1		5	4	1.22	87.83	.83	.753	.04 1.62
17 MEDIUMASTUS CALIFORNIENSIS	1		2		1	1	5	4	1.22	89.05	.83	.753	.04 1.62
18 ANICIDEA JEFFREYSII					4	1	5	2	1.22	90.27	.83	1.602	-.85 2.51
19 BRANCHIOSIOMA CARIBAEUM	1	1		2		1	5	4	1.22	91.48	.83	.753	.04 1.62
20 MAGELONA LONGICORNIS	2	1	1			1	5	4	1.22	92.70	.83	.753	.04 1.62
21 COSSURA DELTA	1			1		2	4	3	.97	93.67	.67	.816	-.19 1.52
22 SIGAMBRA TENTACULATA		1	1		1		3	3	.73	94.40	.50	.548	-.07 1.07
23 DRILONEREIS MAGNA				2			2	1	.49	94.89	.33	.816	-.52 1.19
24 ABRA AEUVALIS					2		2	1	.49	95.38	.33	.816	-.52 1.19
25 PARANYS SPA		1				1	2	2	.49	95.86	.33	.516	-.21 .88
26 NINUS NIGRIPES	1				1		2	2	.49	96.35	.33	.516	-.21 .88
27 NATICIDAE	1			1			2	2	.49	96.84	.33	.516	-.21 .88
28 NYALA SPA			1				1	1	.24	97.08	.17	.408	-.26 .60
29 GINEPLACIDAE						1	1	1	.24	97.32	.17	.408	-.26 .60
30 CIRROPHORUS LYRIFORMIS				1			1	1	.24	97.57	.17	.408	-.26 .60
31 OPHEUROIDEA				1			1	1	.24	97.81	.17	.408	-.26 .60
32 SIGAMBRA BASST		1					1	1	.24	98.05	.17	.408	-.26 .60
33 ARMANITA MACULATA		1					1	1	.24	98.30	.17	.408	-.26 .60
34 MAGELONA ROSEA		1					1	1	.24	98.54	.17	.408	-.26 .60
35 NEREID(NICON) SPA				1			1	1	.24	98.78	.17	.408	-.26 .60
36 PARANIDES LYRA				1			1	1	.24	99.03	.17	.408	-.26 .60
37 AMPHICTEIS GUNNERT			1				1	1	.24	99.27	.17	.408	-.26 .60
38 ALPHEUS SP				1			1	1	.24	99.51	.17	.408	-.26 .60
39 POLYCHAETE SPA	1						1	1	.24	99.76	.17	.408	-.26 .60
40 MACOMA PULLEYI	1						1	1	.24	100.00	.17	.408	-.26 .60

NO. OF SPECIES 22 17 14 24 21 18
 NO. OF INDIVIDUALS 66 34 40 130 105 36 411

STATION 5 TRANSECT III SPECIES 40 INDIVIDUALS 411 DIVERSITY 4.1593 PIE .9114 EQUITABILITY .6750

STATION 6 TRANSECT III PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL					STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		CONF	LIM
1 SIPUNCULA	2	2	1	3	2		10	5	6.17	6.17	1.67	1.033	.50	2.75
2 PHILOMEDES SPA	4	3		2		1	10	4	6.17	12.35	1.67	1.633	-.05	3.30
3 PITAR CORDATUS	4	1			3		8	3	4.94	17.28	1.33	1.751	-.50	3.17
4 PARANIS GRACILIS		1	2		1	4	8	4	4.94	22.22	1.33	1.506	-.25	2.91
5 NEMERTINEA		3		1	1	1	6	4	3.70	25.93	1.00	1.095	-.15	2.15
6 CUSSURA DELTA	2		1	1	1	1	6	5	3.70	29.63	1.00	.632	.34	1.66
7 SPIOPHANES WIGLEYI	1			5			6	2	3.70	33.33	1.00	2.000	-1.10	3.10
8 AMPELISCA SPA	1	2	2			1	6	4	3.70	37.04	1.00	.894	.06	1.94
9 TEREMELLIDES STROEMII	2			2	1		5	3	3.09	40.12	.83	.983	-.20	1.87
10 TETRAGONODON SPA	2	1		1			4	3	2.47	42.59	.67	.816	-.19	1.52
11 OSIRACOD SPA	2		1	1			4	3	2.47	45.06	.67	.816	-.19	1.52
12 SPIONIDAE			3	1			4	2	2.47	47.53	.67	1.211	-.60	1.94
13 DENTALIUM SOWERBYI	1	1	1		1		4	4	2.47	50.00	.67	.516	.12	1.21
14 ALTERNACHELATA SPA			2		1	1	4	3	2.47	52.47	.67	.816	-.19	1.52
15 SIGAMMRA TENTACULATA		1		2		1	4	3	2.47	54.94	.67	.816	-.19	1.52
16 UNOPHIDAE		2			1	1	4	3	2.47	57.41	.67	.816	-.19	1.52
17 NIDUE NIGRIPES	1	1		1			3	3	1.85	59.26	.50	.548	-.07	1.07
18 NYHLIS CF AFFINIS		2	1				3	2	1.85	61.11	.50	.837	-.30	1.30
19 HANHANSSUS PAUCITHELATUS		2				1	3	2	1.85	62.96	.50	.837	-.30	1.30
20 OSIRACOD SPD	1			1		1	3	3	1.85	64.81	.50	.548	-.07	1.07
21 THYASINA PYGMAEA		3					3	1	1.85	66.67	.50	1.225	-.79	1.79
22 OPHIURIDEA			1		1		2	2	1.23	67.90	.33	.516	-.21	.88
23 CYCLOCARDIA ARMILLA		1			1		2	2	1.23	69.14	.33	.516	-.21	.88
24 PLATYISCHNOPUS SP	1	1					2	2	1.23	70.37	.33	.516	-.21	.88
25 SARSIELLA CF GREYI		2					2	1	1.23	71.60	.33	.816	-.52	1.19
26 SYLLIS SPC			2				2	1	1.23	72.84	.33	.816	-.52	1.19
27 PARAMEKIDON SP					2		2	1	1.23	74.07	.33	.816	-.52	1.19
28 XEQUANTHURA BREVIETLSON	1	1					2	2	1.23	75.31	.33	.516	-.21	.88
29 ARMANDIA MACULATA			1			1	2	2	1.23	76.54	.33	.516	-.21	.88
30 UNOPHIS SPH	2						2	1	1.23	77.78	.33	.816	-.52	1.19
31 HETEROSPID LONGISSIMA		2					2	1	1.23	79.01	.33	.816	-.52	1.19
32 SIERNASPIS SCUTATA		2					2	1	1.23	80.25	.33	.816	-.52	1.19
33 VOLVULELLA TEXASIANA				1		1	2	2	1.23	81.48	.33	.516	-.21	.88
34 APSEUDES SPA				2			2	1	1.23	82.72	.33	.816	-.52	1.19
35 GUNIADA MACULATA					2		2	1	1.23	83.95	.33	.816	-.52	1.19
36 PHILINE SAGNA		1				1	2	2	1.23	85.19	.33	.516	-.21	.88
37 PARALACYDONIA PARADUXA				1			1	1	.62	85.80	.17	.408	-.26	.60
38 LUMBRINERIS SPA					1		1	1	.62	86.42	.17	.408	-.26	.60
39 PINNIDAE	1						1	1	.62	87.04	.17	.408	-.26	.60
40 NEPHYS INCISA					1		1	1	.62	87.65	.17	.408	-.26	.60
41 LUMBRINERIS TENUIS	1						1	1	.62	88.27	.17	.408	-.26	.60
42 EUPANTHALIS KINHERGI		1					1	1	.62	88.89	.17	.408	-.26	.60
43 CALLIANASSA ATLANTICA		1					1	1	.62	89.51	.17	.408	-.26	.60
44 SPIOPHANES SPA						1	1	1	.62	90.12	.17	.408	-.26	.60
45 ANACHIS CALLIGLYPTA				1			1	1	.62	90.74	.17	.408	-.26	.60
46 ARICIDEA JEFFREYSII			1				1	1	.62	91.36	.17	.408	-.26	.60
47 AMPHARETIDAE					1		1	1	.62	91.98	.17	.408	-.26	.60
48 AMPHICILIS GUNNERI					1		1	1	.62	92.59	.17	.408	-.26	.60
49 METAPHOXUS CF FREQUENS	1						1	1	.62	93.21	.17	.408	-.26	.60
50 CAPITELLID SPC			1				1	1	.62	93.83	.17	.408	-.26	.60
51 CIRKATULIDAE	1						1	1	.62	94.44	.17	.408	-.26	.60
52 THALYX ANNULOSUS				1			1	1	.62	95.06	.17	.408	-.26	.60
53 PIKOMIS ERUCA	1						1	1	.62	95.68	.17	.408	-.26	.60
54 AGLADPHAMUS CIRCINATA		1					1	1	.62	96.30	.17	.408	-.26	.60

55 PARAPRIONOSPION PINNATA	1			1	1	.62	96.91	.17	.408	-.26	.60
56 BRANCHIOSTOMA CARIBAEUM		1		1	1	.62	97.53	.17	.408	-.26	.60
57 HIPPOMEDON CF SERRATUS			1	1	1	.62	98.15	.17	.408	-.26	.60
58 LUMBRINERIS PARVAPDATA		1		1	1	.62	98.77	.17	.408	-.26	.60
59 CUMACEAN SPF			1	1	1	.62	99.38	.17	.408	-.26	.60
60 CORHULA SWIFTJANA	1			1	1	.62	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	20	24	17	20	17	14	
NO. OF INDIVIDUALS	32	38	23	30	22	17	162

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	III	60	162	5.5103	.9779	1.1167

STATION 1 TRANSECT IV PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL ABUND	TOTAL OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
	1	2	3	4	5	6								
1 LUMBRINERIS PARVAPDATA	54	56	111	53	59	52	385	6	21.54	21.54	64.17	23.077	39.94	88.39
2 PRIONOSPPIO STEENSTROPI	16	23	34	21	15	13	122	6	6.83	20.37	20.33	7.685	12.27	28.40
3 IHARYX ANNULOSUS	14	5	32	33	23	9	116	6	6.49	34.86	19.33	11.843	6.90	31.76
4 SIPUNCULA	10	15	16	8	17	28	94	6	5.26	40.12	15.67	7.005	8.31	23.02
5 PARAPRIONOSPPIO PINNATA	11	9	25	7	19	5	76	6	4.25	44.38	12.67	7.737	4.55	20.79
6 MEDIOMASTUS CALIFORNIENSIS	12	5	38	5	12	2	74	6	4.14	48.52	12.33	13.216	-1.54	26.21
7 NEREID(NICON) SPA	18	9	13	5	12	13	70	6	3.92	52.43	11.67	4.367	7.00	16.25
8 SPIRIDIDAE	21	11	17		9		50	4	3.25	55.68	9.67	8.618	.62	18.71
9 CERATONEREIS IRRITABILIS	15	6	1	6	3	11	42	6	2.35	58.03	7.00	5.177	1.57	12.43
10 PARANIDES LYRA	2	4	11	14	4	5	36	6	2.01	60.04	6.00	3.633	2.19	9.81
11 NEMERTINEA	8	3	10		11	4	36	5	2.01	62.06	6.00	4.336	1.45	10.55
12 NOTOMASTUS CF LATENTICEUS	10	7	5	3	4	6	35	6	1.96	64.02	5.83	2.483	3.23	8.44
13 MAGELONA PHYLLISAE	7	3	8	4	5	7	34	6	1.90	65.92	5.67	1.966	3.60	7.73
14 AMPELISCA SPA	9	5	5	2	7		28	5	1.57	67.49	4.67	3.266	1.24	8.09
15 CERATOCEPHALE OCOLATA	2	10	4	3	2	2	23	6	1.29	68.77	3.83	3.125	.55	7.11
16 IHARYX MARIUMI	3	4	8	1		6	22	5	1.23	70.01	3.67	3.011	.51	6.83
17 AMPELISCA CF CRISTATA	7	1	3	5	4	2	22	6	1.23	71.24	3.67	2.160	1.40	5.93
18 AMPHARETE ACUTIFRONS	11		1	2	6	1	21	5	1.18	72.41	3.50	4.231	-.94	7.94
19 CUMMULA SWIFTIANA	11	1	4	1	4		21	5	1.18	73.59	3.50	4.037	-.74	7.74
20 AUKA AEGUALIS	4		2	1	12		19	4	1.06	74.65	3.17	4.579	-1.64	7.97
21 MAGELONA PETTIBONEAE	2	1	9	3	3	1	19	6	1.06	75.71	3.17	2.994	.02	6.31
22 NEPHYS MAGELLANICA	4	5	3		6		18	4	1.01	76.72	3.00	2.538	.34	5.66
23 DIOPATHA TRIDENTATA	2	2	6	2	4	2	18	6	1.01	77.73	3.00	1.673	1.24	4.76
24 MINUSPIO CIRRIFERA			4	1	9	3	17	4	.95	78.68	3.00	3.430	-.77	6.43
25 OWENIA FUSIFORMIS	6		1		10		17	3	.95	79.63	2.83	4.215	-1.59	7.26
26 PRIONOSPPIO CRISTATA			10	1	3	1	15	4	.84	80.47	2.50	3.834	-1.52	6.52
27 TEREBELLIDES STROEMII	2	1	6	2	1	2	14	6	.78	81.25	2.33	1.862	.38	4.29
28 POLYCHAETE SPA	3	1	1	2	6	1	14	6	.78	82.04	2.33	1.966	.27	4.40
29 UNCIOLA SERRATA	4		5		3	2	14	4	.78	82.82	2.33	2.066	.17	4.50
30 LUMBRINERIS TENUIS	2	3	2	1	2	3	13	6	.73	83.55	2.17	.753	1.38	2.96
31 AMPELISCA VERRILLI	2	1	4	1	4	1	13	6	.73	84.28	2.17	1.472	.62	3.71
32 NOTOMASTUS HEMIPODUS	1	4			3	4	12	4	.67	84.95	2.00	1.897	.01	3.99
33 GLYCERA AMERICANA	2	3	1		2	3	11	5	.62	85.56	1.83	1.169	.61	3.06
34 MALDANIDAE	2		2	1	2	3	10	5	.56	86.12	1.67	1.033	.58	2.75
35 CIRRHATULID-H					8	2	10	2	.56	86.68	1.67	3.204	-1.70	5.03
36 LUMBRINERIS CF MAGALMAENSIS	2	1	3		3	1	10	5	.56	87.24	1.67	1.211	.40	2.94
37 MELINNA MACULATA	5				4		9	2	.50	87.74	1.50	2.345	-.96	3.96
38 ARICIDEA TAYLORI	1		2	2	3	1	9	5	.50	88.25	1.50	1.049	.40	2.60
39 CAULLEIELLA CAPENSIS	2	3	4				9	3	.50	88.75	1.50	1.761	-.35	3.35
40 AMPELISCA AGASSIZI				6		3	9	2	.50	89.26	1.50	2.510	-1.13	4.13
41 ARICIDEA WASSI	4		2	1		1	8	4	.45	89.70	1.33	1.506	-.25	2.91
42 PARANIS GRACILIS	2	1	2	1	2		8	5	.45	90.15	1.33	.816	.40	2.19
43 MICRUSPIO PIGMENTATA		5			3		8	2	.45	90.60	1.33	2.160	-.93	3.60
44 ARICIDEA JEFFREYSII			1	4		2	7	3	.39	90.99	1.17	1.602	-.51	2.85
45 HAMBANSUS PAUCICHELATUS	4	1			2		7	3	.39	91.38	1.17	1.602	-.51	2.85
46 LUSSURA DELTA		1	2	1	2		6	4	.34	91.72	1.00	.894	.06	1.94
47 CIRRHATULID SPA			2	1	1	2	6	4	.34	92.05	1.00	.894	.06	1.94
48 UNUPHIS SPA	3	1		1	1		6	4	.34	92.39	1.00	1.095	-.15	2.15
49 SPIOPHANES SPA	2		2		1		5	3	.28	92.67	.83	.983	-.20	1.87
50 DRILONEREIS MAGNA		3			1		4	2	.22	92.89	.67	1.211	-.60	1.94
51 PHOTIS MACROMANUS			2		1	1	4	3	.22	93.12	.67	.816	-.19	1.52
52 CLYPEGELLA TORQUATA	1	1	1			1	4	4	.22	93.34	.67	.516	.12	1.21
53 PALFANIUS HETEROSETA					3	1	4	2	.22	93.56	.67	1.211	-.60	1.94
54 AMPELISCA ADDITA					2	2	4	2	.22	93.79	.67	1.033	-.42	1.75

55	NOTOMASTIUS AMERICANUS	1	3	4	2	.22	94.01	.67	1.211	-.60	1.94		
56	GYPTIS VITTATA		2	1	3	2	.17	94.10	.50	.837	-.30	1.30	
57	NEREIS SPC	1	2		3	2	.17	94.35	.50	.837	-.30	1.30	
58	VITRINELLA FLORIDANA			3	3	1	.17	94.52	.50	1.225	-.79	1.79	
59	ASYCHIS SP			2	1	3	2	.17	94.60	.50	.837	-.30	1.30
60	GLYCERA SPH		3		3	1	.17	94.85	.50	1.225	-.79	1.79	
61	LAONICE CIRKATA	3			3	1	.17	95.02	.50	1.225	-.79	1.79	
62	AUTOMATE SP	2		1	3	2	.17	95.19	.50	.837	-.30	1.30	
63	SCOLOPIOS NUHRA			2	1	3	2	.17	95.36	.50	.837	-.30	1.30
64	PARAONIDAE			3		3	1	.17	95.52	.50	1.225	-.79	1.79
65	ERICHINONIAS BRASILIENSIS	3			3	1	.17	95.69	.50	1.225	-.79	1.79	
66	SPECOCARCINUS LUNATUS	2	1		3	2	.17	95.86	.50	.837	-.30	1.30	
67	GLYCERA CAPITATA		3		3	1	.17	96.03	.50	1.225	-.79	1.79	
68	OPHIUGLYCERA DISTORTA		1	1	3	3	.17	96.19	.50	.540	-.07	1.07	
69	PARAMPHINOME PULCHELLA		1		1	2	2	.11	96.31	.33	.516	-.21	.88
70	LISIMIELLA BARNARDI			1	1	2	2	.11	96.42	.33	.516	-.21	.88
71	DIOPATRA CF NEMATIDENS	1		1	1	2	2	.11	96.53	.33	.516	-.21	.88
72	MAGELONA LONGICORNIS		1		1	2	2	.11	96.64	.33	.516	-.21	.88
73	SYNCHELIDIUM CF AMERICANUM				2	2	1	.11	96.75	.33	.816	-.52	1.19
74	TELLINA VERSICOLOR	1			1	2	2	.11	96.87	.33	.516	-.21	.88
75	SAKSIELLA DISPARALIS	1		1	2	2	2	.11	96.98	.33	.516	-.21	.88
76	AMAEANA TRILOBATA		2		2	1	.11	97.09	.33	.816	-.52	1.19	
77	AMPHARETIDAE		2		2	1	.11	97.20	.33	.816	-.52	1.19	
78	TEINOSTOMA BISCAYNENSE			2	2	1	.11	97.31	.33	.816	-.52	1.19	
79	SIGAMHRA TENTACULATA	1	1		2	2	.11	97.43	.33	.516	-.21	.88	
80	NEREIDAE		1	1	2	2	.11	97.54	.33	.516	-.21	.88	
81	GLOTTIDIA PYRAMIDATA	1		1	2	2	.11	97.65	.33	.516	-.21	.88	
82	POLYCIRRUS SPA		1	1	2	2	.11	97.76	.33	.516	-.21	.88	
83	CIRRATULIDAE		2		2	1	.11	97.87	.33	.816	-.52	1.19	
84	NEPHYTIIDAE	1	1		2	2	.11	97.99	.33	.516	-.21	.88	
85	CAHTRA INCERTA			1	1	2	2	.11	98.10	.33	.516	-.21	.88
86	MAGELONA ROSEA	2			2	1	.11	98.21	.33	.816	-.52	1.19	
87	SPIOPHANES BOMBYX		1		1	1	.06	98.27	.17	.408	-.26	.60	
88	CHAETIZONE SETOSA		1		1	1	.06	98.32	.17	.408	-.26	.60	
89	MALACOCENOS VANDERHURSTII		1	1	1	1	.06	98.38	.17	.408	-.26	.60	
90	NOTOMASTIUS LATERICEUS		1		1	1	.06	98.43	.17	.408	-.26	.60	
91	ASYCHIS ELONGATA	1			1	1	.06	98.49	.17	.408	-.26	.60	
92	TRACHYPENAEUS SIMILIS		1		1	1	.06	98.55	.17	.408	-.26	.60	
93	MALACOCENOS INDICUS	1			1	1	.06	98.60	.17	.408	-.26	.60	
94	CIRRIFORMIA GRANDIS		1		1	1	.06	98.66	.17	.408	-.26	.60	
95	ISOLDA PULCHELLA			1	1	1	.06	98.71	.17	.408	-.26	.60	
96	GLYCERA TESSELATA	1			1	1	.06	98.77	.17	.408	-.26	.60	
97	PHILINE SAGRA	1			1	1	.06	98.82	.17	.408	-.26	.60	
98	AMPELISCA SP		1		1	1	.06	98.88	.17	.408	-.26	.60	
99	ANADARA TRANSVERSA			1	1	1	.06	98.94	.17	.408	-.26	.60	
100	ANABELLA TRICOLOR		1		1	1	.06	98.99	.17	.408	-.26	.60	
101	AGLAOPHANTUS VERNILLI	1			1	1	.06	99.05	.17	.408	-.26	.60	
102	PISTA CRISTATA		1		1	1	.06	99.10	.17	.408	-.26	.60	
103	HAMINUEA SPA		1		1	1	.06	99.16	.17	.408	-.26	.60	
104	SICYONIA DORSALIS			1	1	1	.06	99.22	.17	.408	-.26	.60	
105	LUMBRINERIS ALBIDENTATA		1		1	1	.06	99.27	.17	.408	-.26	.60	
106	NEREID SPH	1			1	1	.06	99.33	.17	.408	-.26	.60	
107	CIRRORHOKUS LYRIFORMIS			1	1	1	.06	99.38	.17	.408	-.26	.60	
108	PHYLLODOUCE MUCOSA			1	1	1	.06	99.44	.17	.408	-.26	.60	
109	SPECOCARCINUS SP			1	1	1	.06	99.50	.17	.408	-.26	.60	
110	NUCOLA PROXIMA			1	1	1	.06	99.55	.17	.408	-.26	.60	
111	MINUSPIU LONGIBRANCHIATA		1		1	1	.06	99.61	.17	.408	-.26	.60	
112	LUCINA AMIANTUS	1			1	1	.06	99.66	.17	.408	-.26	.60	
113	DUSINIA ELEGANS		1		1	1	.06	99.72	.17	.408	-.26	.60	
114	OPHIURIDAE			1	1	1	.06	99.78	.17	.408	-.26	.60	
115	PSEUDEURYTHOE AMBIGUA			1	1	1	.06	99.83	.17	.408	-.26	.60	
116	EXOGONE DISPAR		1		1	1	.06	99.89	.17	.408	-.26	.60	

117 LUMBRINERIS SP	1	1	1	.06	99.94	.17	.400	-.26	.60
118 ARICIDEA CF FRAGILIS	1	1	1	.06	100.00	.17	.400	-.26	.60

.....

NO. OF SPECIES	56	47	62	44	66	54	
NO. OF INDIVIDUALS	524	228	451	211	348	225	1787

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	IV	118	1787	5.0966	.9318	.4407

STATION 2 TRANSECT IV PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL					STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		CONF	LIM
1 PARANIS GRACILIS	4	4		4	3	2	17	5	5.03	5.03	2.83	1.602	1.15	4.51
2 COSSURA DELTA	6		2		6	2	16	4	4.73	9.76	2.67	2.733	-.20	5.53
3 ABRA AEGUALIS	5		1		7	3	16	4	4.73	14.50	2.67	2.875	-.35	5.68
4 METEOROPHOSUS CF OCOLATUS	1	6	1	4	2	1	15	6	4.44	18.93	2.50	2.074	.32	4.68
5 PARANIS SPA	5	1	1	1	3	4	15	6	4.44	23.37	2.50	1.761	.65	4.35
6 NEMERTINEA	4	3	1	1	3	3	15	6	4.44	27.81	2.50	1.225	1.21	3.79
7 NEPTYS INCISA	4	1	1	4	3	1	14	6	4.44	31.95	2.33	1.506	.75	3.91
8 SPIONIDAE	7	3			2		12	3	3.55	35.50	2.00	2.757	-.89	4.89
9 PARANIDAE	1	2	1	3	2	2	11	6	3.25	38.76	1.83	.753	1.04	2.62
10 PILARGIS BERKELYAE	8	1		1			10	3	2.96	41.72	1.67	3.141	-1.63	4.96
11 OPHUROIDEA	3	1	1	1	1		7	5	2.07	43.79	1.17	.983	.13	2.20
12 LUMBRINERIS PARVAPDATA	2		1		1	3	7	4	2.07	45.86	1.17	1.169	-.86	2.39
13 MAGELONA LONGICORNIS		2	1	1		3	7	4	2.07	47.93	1.17	1.169	-.86	2.39
14 VOLVULELLA TEXASIANA	3	1		2		1	7	4	2.07	50.00	1.17	1.169	-.86	2.39
15 SIPUNCULA		5		1			6	2	1.78	51.78	1.00	2.000	-1.10	3.10
16 MEDIOMASTUS CALIFORNIENSIS	1		1		2	2	6	4	1.78	53.55	1.00	.894	.06	1.94
17 PAMAPRIONOSPID PINNATA		2	1		1	2	6	4	1.78	55.33	1.00	.894	.06	1.94
18 PHILINE SAGRA		3	1		1	1	6	4	1.78	57.10	1.00	1.095	-.15	2.15
19 MAGELONA ROSEA					5		5	1	1.48	58.58	.83	2.041	-1.31	2.98
20 ARICIDEA JEFFREYSII	4					1	5	2	1.48	60.06	.83	1.602	-.85	2.51
21 ARMANDIA MACULATA	4	1					5	2	1.48	61.54	.83	1.602	-.85	2.51
22 NOTOMASTUS CF LATERICEUS	1	2	1	1			5	4	1.48	63.02	.83	.753	.00	1.62
23 PITHA CURVATUS	1	2		2			5	3	1.48	64.50	.83	.983	-.20	1.87
24 AMPELISCA VERRILLI	1	3					4	2	1.18	65.60	.67	1.211	-.60	1.94
25 UNCIOLA SERKATA	1				2	1	4	3	1.18	66.86	.67	.816	-.19	1.52
26 AMPELISCA AGASSIZI					4		4	1	1.18	68.05	.67	1.633	-1.05	2.38
27 APSEUDES SPA	1	3					4	2	1.18	69.23	.67	1.211	-.60	1.94
28 GONIADA NORVEGICA	1	2			1		4	3	1.18	70.41	.67	.816	-.19	1.52
29 NOTOMASTUS LATERICEUS		3				1	4	2	1.18	71.60	.67	1.211	-.60	1.94
30 THARYX ANNULOSUS	2			1	1		4	3	1.18	72.78	.67	.816	-.19	1.52
31 EUDORELLA MONODON		2				2	4	2	1.18	73.96	.67	1.033	-.42	1.75
32 OPHIURIDUM OBSCURUS				1	1	1	3	3	.89	74.85	.50	.548	-.07	1.07
33 ECHINODERMATA	1		1			1	3	3	.89	75.74	.50	.548	-.07	1.07
34 CIRROPHORUS LYRIFORMIS	2	1					3	2	.89	76.63	.50	.837	-.30	1.30
35 LUMBRINERIS TENUIS	1		1			1	3	3	.89	77.51	.50	.548	-.07	1.07
36 POLYCHAETE SPA	1			1		1	3	3	.89	78.40	.50	.548	-.07	1.07
37 ARICIDEA WASSI		1			1	1	3	3	.89	79.29	.50	.548	-.07	1.07
38 PARANIDES LYRA	1		1	1			3	3	.89	80.18	.50	.548	-.07	1.07
39 NEFEID(NICOH) SPA	1				2		3	2	.89	81.07	.50	.837	-.30	1.30
40 CHASMOCARCINUS MISSISSIPPIENSIS			1		1		2	2	.59	81.66	.33	.516	-.21	.88
41 AMPHARETE PARVIDENTATA				2			2	1	.59	82.25	.33	.816	-.52	1.19
42 SIGAMBRA TENTACULATA	1	1					2	2	.59	82.84	.33	.516	-.21	.88
43 CORHULA SWIFTIANA			1		1		2	2	.59	83.43	.33	.516	-.21	.88
44 FLAEBELLIGERIDAE	1				1		2	2	.59	84.02	.33	.516	-.21	.88
45 PHYLLODOCE MUCOSA					2		2	1	.59	84.62	.33	.816	-.52	1.19
46 GLOTTIDIA PYRAMIDATA			1	1			2	2	.59	85.21	.33	.516	-.21	.88
47 APSEUDES SPH						2	2	1	.59	85.80	.33	.816	-.52	1.19
48 DRILONEIREIS MAGNA						2	2	1	.59	86.39	.33	.816	-.52	1.19
49 ORHINTA AMERICANA	1			1			2	2	.59	86.98	.33	.516	-.21	.88
50 LEIOLAMBRUS NITIDUS					2		2	1	.59	87.57	.33	.816	-.52	1.19
51 SPIOPHANES SPA		1			1		2	2	.59	88.17	.33	.516	-.21	.88
52 ARICIDEA NEUSUEFICA			1	1			2	2	.59	88.76	.33	.516	-.21	.88
53 NUCULANA ACUTA			1			1	2	2	.59	89.35	.33	.516	-.21	.88
54 THYASIRA SPA	2						2	1	.59	89.94	.33	.816	-.52	1.19

STATION 3 TRANSECT IV PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL			ACC PCT	MEAN	STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT				CONF	LIM
1 SIPUNCULA	12	9	9	5	8	9	52	6	11.30	11.30	8.67	2.251	6.30	11.03
2 RUTIDENMA SPA			1	10	1	17	29	4	6.30	17.61	4.93	7.403	-2.60	12.27
3 UNUPHIS SPH	5	3		8	4	3	23	5	5.00	22.61	3.83	2.639	1.06	6.60
4 PARAPRIONOSPID PINNATA	5		1	3	7	5	21	5	4.57	27.17	3.50	2.665	.70	6.30
5 MAGELONA LONGICORNIS	4	1	5	3	3	3	19	6	4.13	31.30	3.17	1.329	1.77	4.56
6 PARALACYDONIA PARADOXA	3	2	1	2	2	1	11	6	2.39	33.70	1.83	.753	1.04	2.62
7 PARAOINIS GRACILIS	1		2	2	2	4	11	5	2.39	36.09	1.83	1.329	.44	3.23
8 UNUPHIS SPF	1	3		5	1		10	4	2.17	38.26	1.67	1.966	-.40	3.73
9 NEMERTINEA	2	3	3			2	10	4	2.17	40.43	1.67	1.366	.23	3.10
10 SPIOPHANES SPA		5		3		1	9	3	1.96	42.39	1.50	2.074	-.60	3.68
11 MALDANIDAE	1	2	1	2	1	2	9	6	1.96	44.35	1.50	.548	.93	2.07
12 TEREHELLIDAE	1	4	3				8	3	1.74	46.09	1.33	1.751	-.50	3.17
13 SARFLLIDAE		3	3		1	1	8	4	1.74	47.83	1.33	1.366	-.10	2.77
14 AMPHARETE PARVIDENTATA		1	1	2	1	2	7	5	1.52	49.35	1.17	.753	.30	1.96
15 UNUPHIS SPA			1	2	2	2	7	4	1.52	50.87	1.17	.983	.13	2.20
16 PARAMPHINOME PULCHELLA		1		1	1	3	6	4	1.30	52.17	1.00	1.095	-.15	2.15
17 LUMHRINERIS PARVAPEDATA		1		2	1	2	6	4	1.30	53.48	1.00	.894	.06	1.94
18 SPIOPHANES LONGICORNIS		4	1	1			6	3	1.30	54.78	1.00	1.549	-.63	2.63
19 SIGAMBRA TENTACULATA	1	1				4	6	3	1.30	56.09	1.00	1.549	-.63	2.63
20 HETEROPHOXUS CF UCULATUS		1		2		3	6	3	1.30	57.39	1.00	1.265	-.33	2.33
21 TANAIID SPE		2	1	1	1	1	6	5	1.30	58.70	1.00	.632	.34	1.66
22 TEREHELLIDES STROEMII			2		3	1	6	3	1.30	60.00	1.00	1.265	-.33	2.33
23 THARYX ANNULOSUS	1	2	1	1			5	4	1.09	61.09	.83	.753	.04	1.62
24 POLYDORA CF HARTMANAE	2	1	1	1			5	4	1.09	62.17	.83	.753	.04	1.62
25 SPIONIDAE			1	2	1		4	3	.87	63.04	.67	.816	-.19	1.52
26 CAPRELLID			1	2	1		4	3	.87	63.91	.67	.816	-.19	1.52
27 GLYCERA TESSELATA		1			2	1	4	3	.87	64.78	.67	.816	-.19	1.52
28 SPIOCHAETOPTERUS CUSTARUM	1	3					4	2	.87	65.65	.67	1.211	-.60	1.94
29 PHYLLODOUCE MUCOSA				2		2	4	2	.87	66.52	.67	1.033	-.42	1.75
30 COSSURA DELTA	1		1	1	1		4	4	.87	67.39	.67	.516	.12	1.21
31 THARYX MARIONTI	1	2			1		4	3	.87	68.26	.67	.816	-.19	1.52
32 CORHULA SWIFTIANA				4			4	1	.87	69.13	.67	1.633	-1.05	2.30
33 CUMACEAN SPI				3	1		4	2	.87	70.00	.67	1.311	-.60	1.94
34 STEKNASPIS SCUTATA	1		1			2	4	3	.87	70.87	.67	.816	-.19	1.52
35 HALIOPHASMA SPA				2	2		4	2	.87	71.74	.67	1.033	-.42	1.75
36 HYBLIS CF AFFINIS						4	4	1	.87	72.61	.67	1.633	-1.05	2.30
37 NEPHTYIDAE			1			2	3	2	.65	73.26	.50	.837	-.38	1.38
38 PSEUDOPHILOMEDES SPA				2		1	3	2	.65	73.91	.50	.837	-.38	1.38
39 NEPHTYS MAGELLANICA	1	1		1			3	3	.65	74.57	.50	.548	-.07	1.07
40 RUTIDERMA SPD				2		1	3	2	.65	75.22	.50	.837	-.38	1.38
41 AMPELISCA ARDITA		1		1		1	3	3	.65	75.87	.50	.548	-.07	1.07
42 AMPELISCA SPA		1	1		1		3	3	.65	76.52	.50	.548	-.07	1.07
43 AGLAUPHAMUS INERMIS	1			2			3	2	.65	77.17	.50	.837	-.38	1.38
44 PARAOINIDAE	2	1					3	2	.65	77.83	.50	.837	-.38	1.38
45 POLYCHAETE SPA			2			1	3	2	.65	78.48	.50	.837	-.38	1.38
46 AMPELISCA VERRILLI		1	1				2	2	.43	78.91	.33	.516	-.21	.80
47 NOTUCORHUS CF SPINIFERUS	1		1				2	2	.43	79.35	.33	.516	-.21	.80
48 PARAOINIS SPA			1		1		2	2	.43	79.78	.33	.516	-.21	.80
49 LOIMIA MEDUSA		1	1				2	2	.43	80.22	.33	.516	-.21	.80
50 CAPITELLIDAE	1				1		2	2	.43	80.65	.33	.516	-.21	.80
51 LUMHRINERIS TENUIS		1				1	2	2	.43	81.09	.33	.516	-.21	.80
52 CALIFIA CF CALIDA						2	2	1	.43	81.52	.33	.816	-.52	1.19
53 SPIOPHANES SP		2					2	1	.43	81.96	.33	.816	-.52	1.19
54 CHLUEIA VIRIDIS				1		1	2	2	.43	82.39	.33	.516	-.21	.80

55	SPHAEOSYLLIS CF SUBLAEVIS			1		2	2	.43	82.83	.33	.516	-.21	.88
56	STHENELAIS RUA	1	1			2	2	.43	83.26	.33	.516	-.21	.88
57	STHENOLEPIS CF JAPONICA	2				2	1	.43	83.70	.33	.816	-.52	1.19
58	CALOCARIS OXYPLEURA			2		2	1	.43	84.13	.33	.816	-.52	1.19
59	STENOITHUE SP			2		2	1	.43	84.57	.33	.816	-.52	1.19
60	SYLLIS SPH	1		1		2	2	.43	85.00	.33	.516	-.21	.88
61	SARSIELLA CF GREYI			1		2	2	.43	85.43	.33	.516	-.21	.88
62	NOTUMASTIUS HEMIPIDUS				2	2	1	.43	85.87	.33	.816	-.52	1.19
63	PRIONOSPILUS STEENSTRUPI				2	2	1	.43	86.30	.33	.816	-.52	1.19
64	PARANOIDES LYRA	1			1	2	2	.43	86.74	.33	.516	-.21	.88
65	RUTIDERMA SPH		1	1		2	2	.43	87.17	.33	.516	-.21	.88
66	APANTHURA MAGNIFICA	2				2	1	.43	87.61	.33	.816	-.52	1.19
67	UNCIGULA SERRATA				2	2	1	.43	88.04	.33	.816	-.52	1.19
68	SPIOPHANES WIGLEYI		1		1	2	2	.43	88.48	.33	.516	-.21	.88
69	AGLAOPHANUS SP			1		1	1	.22	88.70	.17	.408	-.26	.60
70	PHILOMEDES SPA	1				1	1	.22	88.91	.17	.408	-.26	.60
71	MAGELUNA ROSEA				1	1	1	.22	89.13	.17	.408	-.26	.60
72	SYNCHELIIDIUM CF AMERICANUM	1				1	1	.22	89.35	.17	.408	-.26	.60
73	SARSIELLA SPK				1	1	1	.22	89.57	.17	.408	-.26	.60
74	OPHIUROIDEA				1	1	1	.22	89.78	.17	.408	-.26	.60
75	GNATHIA SP			1		1	1	.22	90.00	.17	.408	-.26	.60
76	ACTINARIA SPC	1				1	1	.22	90.22	.17	.408	-.26	.60
77	MEDIUMASTIUS CALIFURNIENSIS				1	1	1	.22	90.43	.17	.408	-.26	.60
78	GONIADIDAE				1	1	1	.22	90.65	.17	.408	-.26	.60
79	DASYBRANCHIUS SP	1				1	1	.22	90.87	.17	.408	-.26	.60
80	CHASMOCARCINUS SP		1			1	1	.22	91.09	.17	.408	-.26	.60
81	SARSIELLA SPF		1			1	1	.22	91.30	.17	.408	-.26	.60
82	NOTUMASTIUS CF LATERICEUS	1				1	1	.22	91.52	.17	.408	-.26	.60
83	CUMACEAN SPG			1		1	1	.22	91.74	.17	.408	-.26	.60
84	PILANTHURA CF TRICARINA		1			1	1	.22	91.96	.17	.408	-.26	.60
85	PILARGIS HERKELYAE	1				1	1	.22	92.17	.17	.408	-.26	.60
86	DENTALIUM SOWERBYI				1	1	1	.22	92.39	.17	.408	-.26	.60
87	OSTRACOD SPD				1	1	1	.22	92.61	.17	.408	-.26	.60
88	NEREID(NICOM) SPA			1		1	1	.22	92.83	.17	.408	-.26	.60
89	CUMACEAN SPD				1	1	1	.22	93.04	.17	.408	-.26	.60
90	PHOIDS MACROMANUS		1			1	1	.22	93.26	.17	.408	-.26	.60
91	SYLLIS SP				1	1	1	.22	93.48	.17	.408	-.26	.60
92	SARSIELLA SPC				1	1	1	.22	93.70	.17	.408	-.26	.60
93	PURTUNIDAE	1				1	1	.22	93.91	.17	.408	-.26	.60
94	SERPULA VERMICULARIS		1			1	1	.22	94.13	.17	.408	-.26	.60
95	GONIADA NORVEGICA				1	1	1	.22	94.35	.17	.408	-.26	.60
96	AMAEANA ACCHAENSIS		1			1	1	.22	94.57	.17	.408	-.26	.60
97	AMAEANA TRILOBATA			1		1	1	.22	94.78	.17	.408	-.26	.60
98	SCOLELEPIS TEXANA			1		1	1	.22	95.00	.17	.408	-.26	.60
99	ARMANDIA MACULATA				1	1	1	.22	95.22	.17	.408	-.26	.60
100	JASMINEIRA SP	1				1	1	.22	95.43	.17	.408	-.26	.60
101	SCUTOPUS SPA	1				1	1	.22	95.65	.17	.408	-.26	.60
102	ARICIDEA NEOSUECICA		1			1	1	.22	95.87	.17	.408	-.26	.60
103	POECILOCHAETUS JOHNSONI			1		1	1	.22	96.09	.17	.408	-.26	.60
104	GYPTIS VITTATA	1				1	1	.22	96.30	.17	.408	-.26	.60
105	PISTIA CRISTATA				1	1	1	.22	96.52	.17	.408	-.26	.60
106	CERATOCEPHALE OCOLATA			1		1	1	.22	96.74	.17	.408	-.26	.60
107	CALLIANASSA ACANTHOCHIRUS			1		1	1	.22	96.96	.17	.408	-.26	.60
108	GLYCERA SP				1	1	1	.22	97.17	.17	.408	-.26	.60
109	DIOPATRA TRIDENTATA				1	1	1	.22	97.39	.17	.408	-.26	.60
110	ALTERNOCHELATA SPA				1	1	1	.22	97.61	.17	.408	-.26	.60
111	ASYCHIS SP		1			1	1	.22	97.83	.17	.408	-.26	.60
112	CALLIANASSA ATLANTICA				1	1	1	.22	98.04	.17	.408	-.26	.60
113	SKOZSHEGIA CF LEHNERI				1	1	1	.22	98.26	.17	.408	-.26	.60
114	NEREID SPH			1		1	1	.22	98.48	.17	.408	-.26	.60
115	POLYNOIDAE			1		1	1	.22	98.70	.17	.408	-.26	.60
116	VOLVULLELLA TEXASIANA				1	1	1	.22	98.91	.17	.408	-.26	.60

117 CALLIANASSA LATISPINA	1				1	1	.22	99.13	.17	.408	-.26	.60
118 CERIANTHARIA	1				1	1	.22	99.35	.17	.408	-.26	.60
119 SARSIELLID NSPD		1			1	1	.22	99.57	.17	.408	-.26	.60
120 OSTRACOD SPJJ				1	1	1	.22	99.78	.17	.408	-.26	.60
121 MAGELONA SPA		1			1	1	.22	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	31	38	39	46	36	53	
NO. OF INDIVIDUALS	58	73	61	97	63	108	460

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	IV	121	460	5.9907	.9717	.8017

STATION 4 TRANSECT IV PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
	1	2	3	4	5	6								
1 MAGELONA PHYLLISAE	42	45		42	52	41	222	5	9.75	9.75	37.00	18.569	17.51	56.49
2 LUMMINERIS PARVAPEDA	18	29	53	31	49	14	194	6	8.52	18.26	32.33	15.879	15.68	48.99
3 SPIOPHANES RUMBYX	39	16	32	38	37	2	164	6	7.20	25.46	27.33	15.069	11.52	43.15
4 MEDIOMASTUS CALIFORNIENSIS	22	72	25	3	24	7	153	6	6.72	32.18	25.50	24.599	-0.32	51.32
5 NEMERTINEA	23	38	22	4	15	22	124	6	5.44	37.62	20.67	11.130	8.99	32.35
6 PARANIDES LYRA	17	24	16	1	16	17	91	6	3.99	41.62	15.17	7.574	7.22	23.12
7 POLYCHAETE SPA	12	31		4	20	5	72	5	3.16	44.78	12.00	11.679	-0.26	24.26
8 ANADARA TRANSVERSA		25	23	2			50	3	2.19	46.97	8.33	12.176	-4.45	21.11
9 MAGELONA PETTIBONEAE	6	7	8	8	11	7	47	6	2.06	49.03	7.83	1.722	6.03	9.64
10 SIPUNCULA		9	13	3	5	13	43	5	1.89	50.92	7.17	5.302	1.52	12.02
11 XENANTHOMA BREVITELSON	13	2	5	11	6	1	38	6	1.67	52.59	6.33	4.803	1.29	11.37
12 OPHTHURIDEA	1	11	17	3	2	3	37	6	1.62	54.21	6.17	6.401	-0.55	12.88
13 AGLAOPHAMUS VERRILLI	2	5	10	9	4	6	36	6	1.58	55.79	6.00	3.033	2.02	9.18
14 RUTIDERMA SPH	6	1	10	7	2	5	31	6	1.36	57.16	5.17	3.312	1.69	8.64
15 ARICIDEA JEFFREYSII	9	5	1		10	4	29	5	1.27	58.43	4.83	4.070	.56	9.11
16 PARANIDAE	4	7	6	3	6	3	29	6	1.27	59.70	4.83	1.722	3.03	6.64
17 PRIONOSPIU CRISTATA	4	9	9	2	3		27	5	1.19	60.89	4.50	3.728	.59	8.41
18 PARANIS GRACILIS	3	9	7	1	3	4	27	6	1.19	62.07	4.50	2.950	1.00	7.60
19 PARAPRIONOSPIU PINNATA	1	11	4	2	6	2	26	6	1.14	63.21	4.33	3.724	.42	8.24
20 CIROLANA SP		23				3	26	2	1.14	64.35	4.33	9.223	-5.35	14.01
21 ARICIDEA TAYLORI	4	1	2	1	12	3	23	6	1.01	65.36	3.83	4.167	-0.54	8.21
22 DIPLODONTA CF SOROK	1	2	4	11	2		20	5	.88	66.24	3.33	3.903	-0.85	7.51
23 LUMBRINERIS TENUIS	2	5	7	3	2	2	19	5	.83	67.08	3.17	2.483	.56	5.77
24 POLYCIRRUS SPA	5	1	7	1	1	3	18	6	.79	67.87	3.00	2.530	.34	5.66
25 ONENIA FUSIFORMIS		8	7	1	6		17	4	.75	68.61	2.83	3.371	-0.71	6.37
26 PLATYSCHNOPUS SP	1			4	12		17	3	.75	69.36	2.83	4.750	-2.15	7.82
27 NEOMEGAMPHOPIUS SP		6	11				17	2	.75	70.11	2.83	4.665	-2.06	7.73
28 DIOPATRA CUPREA		1	15				16	2	.70	70.81	2.67	6.055	-3.69	9.02
29 TELLENA VERSICOLOR	2	2	3	6	3		16	5	.70	71.51	2.67	1.966	.60	4.73
30 SYNCHELIDIUM CF AMERICANUM	6		3	1	6		16	4	.70	72.21	2.67	2.805	-0.28	5.61
31 PODOCEROPSIS SP	3	1	10		2		16	4	.70	72.91	2.67	3.777	-1.30	6.63
32 STHENELAIS BOA		3	9	2		1	15	4	.66	73.57	2.50	3.391	-1.06	6.06
33 ZUANTHARIA	7	3	3	2			15	4	.66	74.23	2.50	2.500	-0.22	5.22
34 ERICHTHONIAS BRASILIENSIS		2	13				15	2	.66	74.89	2.50	5.206	-2.96	7.96
35 AMPELISCA AGASSIZI			14				14	1	.61	75.50	2.33	5.715	-3.67	8.33
36 ABRA AENUALIS		2	9		3		14	3	.61	76.12	2.33	3.502	-1.34	6.01
37 CERATOCEPHALE OCULATA	3		2	2	3	4	14	5	.61	76.73	2.33	1.366	.90	3.77
38 ISOLDA PULCHELLA	4	5		2	3		14	4	.61	77.35	2.33	2.066	.17	4.50
39 NEREIS LAMELLOSA		1	12				13	2	.57	77.92	2.17	4.834	-2.91	7.24
40 HARMANUS PAUCICHELATUS				2	10		12	2	.53	78.45	2.00	4.000	-2.20	6.20
41 MONOCULOIDES SPH	3		1	1	7		12	4	.53	78.97	2.00	2.683	-0.82	4.82
42 HYDROIDES SP			11				11	1	.48	79.46	1.83	4.491	-2.00	6.55
43 NOTOMASTUS HEMIPODUS	3	4	3	1			11	4	.48	79.94	1.83	1.722	.03	3.64
44 THARYX MARIONI	1		2	3	2	2	10	5	.44	80.38	1.67	1.033	.58	2.75
45 APOPRIONOSPIU PYGMAEA	1	1	1	2	3	2	10	6	.44	80.82	1.67	.816	.81	2.52
46 TIRON TRUPAKIS	3			1	6		10	3	.44	81.26	1.67	2.422	-0.80	4.21
47 OXYURUSTYLIS SP	3	2	1	1	3		10	5	.44	81.69	1.67	1.211	.40	2.94
48 CYCLASPIS VARIANS	2			3	5		10	3	.44	82.13	1.67	2.066	-0.50	3.83
49 RUTIDERMA SPC	1		3	2	3		9	4	.40	82.53	1.50	1.378	.05	2.95
50 AMPHILOCHUS SP			7		2		9	2	.40	82.92	1.50	2.811	-1.45	4.45
51 NEREID(NICON) SPA		4	1		2	2	9	4	.40	83.32	1.50	1.517	-0.09	3.09
52 ARICIDEA CF FRAGILIS		1	4	2	1	1	9	5	.40	83.71	1.50	1.378	.05	2.95
53 SPIONIDAE	3	1	1	1	1	1	8	6	.35	84.06	1.33	.816	.08	2.19
54 SCHISTOMERINGOS SPA	1	5	1		1		8	4	.35	84.42	1.33	1.862	-0.62	3.29

55	GONIADA LIPTONEA	2	1	2	3	8	4	.35	84.77	1.33	1.211	.46	2.60		
56	MUNDA SP	3	1		1	2	7	4	.31	85.07	1.17	1.169	-.06	2.39	
57	ONUPHIS EREMITA	3			2	2	7	3	.31	85.38	1.17	1.329	-.23	2.56	
58	GLYCERA CAPITATA	1	1	5			7	3	.31	85.69	1.17	1.941	-.87	3.20	
59	SOLEN VIRIDIS	1	1		2	2	1	7	5	.31	86.00	1.17	.753	.38	1.96
60	MICROSPID CIRRIFERA		7				7	1	.31	86.30	1.17	2.858	-1.03	4.17	
61	AMPELISCA CF CRISTATA	1	4	1		1	7	4	.31	86.61	1.17	1.472	-.38	2.71	
62	HARMOTHUE IMBRICATA		2	1		4	7	3	.31	86.92	1.17	1.602	-.51	2.85	
63	PHOTIS SPH	2		2	3		7	3	.31	87.23	1.17	1.329	-.23	2.56	
64	AMPELISCA VEHRILLI		4	2	1		7	3	.31	87.53	1.17	1.602	-.51	2.85	
65	PHOTIS SP		3	1		3	7	3	.31	87.84	1.17	1.472	-.38	2.71	
66	SANSIELLA CF GREYI	1		2	1	2	6	4	.26	88.10	1.00	.894	.46	1.94	
67	SERPULIDAE			6			6	1	.26	88.37	1.00	2.449	-1.57	3.57	
68	HAMBANSUS PAUCICHELATUS	4	1	1			6	3	.26	88.63	1.00	1.549	-.63	2.63	
69	SPIROCHAETOPTERUS COSTARUM		1	2		1	2	6	4	.26	88.89	1.00	.894	.46	1.94
70	CAHIRA INCERTA	2			3	1	6	3	.26	89.16	1.00	1.265	-.33	2.33	
71	AMAEANA TRILOHATA	2				4	6	2	.26	89.42	1.00	1.673	-.76	2.76	
72	NUCULANA ACUTA	1	4	1			6	3	.26	89.68	1.00	1.549	-.63	2.63	
73	AMPELISCA SPH		2	4			6	2	.26	89.95	1.00	1.673	-.76	2.76	
74	PARAPHOXUS CF EPISTOMUS	2		1	1	2	6	4	.26	90.21	1.00	.894	.46	1.94	
75	PHORONIDA		1	1		3	5	3	.22	90.43	.83	1.169	-.39	2.06	
76	BRANCHIUSTOMA CARINAEUM	2				2	1	5	3	.22	90.65	.83	.983	-.20	1.87
77	TENEHELLIDES STROEMII		1	4			5	2	.22	90.87	.83	1.602	-.85	2.51	
78	MALDANTIDAE	1	1	1	2		5	4	.22	91.09	.83	.753	.46	1.62	
79	PALEANOTUS HETEROSETA				2		3	5	2	.22	91.31	.83	1.329	-.23	2.23
80	THARYX ANNULOSUS	3	1				4	2	.18	91.48	.67	1.211	-.60	1.94	
81	LISTRIELLA HARNARDI			2		2	4	2	.18	91.66	.67	1.033	-.42	1.75	
82	HYDROZOA			1	3		4	2	.18	91.83	.67	1.211	-.60	1.94	
83	GLYCERA SP			2	2		4	2	.18	92.01	.67	1.033	-.42	1.75	
84	SERPULA VEHMICULARIS	3	1				4	2	.18	92.19	.67	1.211	-.60	1.94	
85	LUCINA MULTILINEATA		1		2	1	4	3	.18	92.36	.67	.816	-.19	1.52	
86	GYPTIS VITTATA	1	1	1	1		4	4	.18	92.54	.67	.516	.12	1.21	
87	PHYLLODOCE MUCOSA			1	1	2	4	3	.18	92.71	.67	.816	-.19	1.52	
88	CLYMENELLA TORQUATA	1			1		3	3	.13	92.84	.50	.548	-.07	1.07	
89	POLYDORA LIGNI			3			3	1	.13	92.98	.50	1.225	-.79	1.79	
90	CIRRATULID-H	2		1			3	2	.13	93.11	.50	.837	-.38	1.38	
91	AMPHARETE AMERICANA		1	2			3	2	.13	93.24	.50	.837	-.38	1.38	
92	GLYCERA AMERICANA				2	1	3	2	.13	93.37	.50	.837	-.38	1.38	
93	ONUPHIS NEHULOSA		1		1	1	3	3	.13	93.50	.50	.548	-.07	1.07	
94	LUMBRINERIS ALBIDENTATA				2	1	3	2	.13	93.63	.50	.337	-.38	1.38	
95	NEHEIDAE	2	1				3	2	.13	93.77	.50	.837	-.38	1.38	
96	PERIPLOMA ORRHICULARE				1		3	1	.13	93.90	.50	1.225	-.79	1.79	
97	LAONICE CIRRHATA	1	2				3	2	.13	94.03	.50	.837	-.38	1.38	
98	MICROSPID PIGMENTATA	2		1			3	2	.13	94.16	.50	.837	-.38	1.38	
99	AEDICINA BELGICAE	1	2				3	2	.13	94.29	.50	.837	-.38	1.38	
100	AGLAOPHAMUS CIRCINATA				3		3	1	.13	94.42	.50	1.225	-.79	1.79	
101	CORBULA SWIFTIANA		1		2		3	2	.13	94.56	.50	.837	-.38	1.38	
102	ONUPHIS SPF	1			2		3	2	.13	94.69	.50	.837	-.38	1.38	
103	EUCERAMUS PRAELONGUS		3				3	1	.13	94.82	.50	1.225	-.79	1.79	
104	UNCIOLA SERRATA	1	1		1		3	3	.13	94.95	.50	.548	-.07	1.07	
105	EUPANTHALIS KINBERGI		1			1	2	2	.09	95.04	.33	.516	-.21	.88	
106	NOTOMASTUS CF LATERICEUS			1		1	2	2	.09	95.13	.33	.516	-.21	.88	
107	PSEUDOPHILOMEDES SPA	1				1	2	2	.09	95.22	.33	.516	-.21	.88	
108	AUTOMATE EVERMANNI			2			2	1	.09	95.30	.33	.816	-.52	1.19	
109	ACTINIARIA				1	1	2	2	.09	95.39	.33	.516	-.21	.88	
110	DHILONEKEIS MAGNA				2		2	1	.09	95.48	.33	.816	-.52	1.19	
111	DIOPATRA CF NENTRIDENS	2					2	1	.09	95.57	.33	.816	-.52	1.19	
112	CYLICHA NA BIDENTATA					2	2	1	.09	95.65	.33	.816	-.52	1.19	
113	CALLIANASSA HIFORMIS			1		1	2	2	.09	95.74	.33	.516	-.21	.88	
114	ARICIDEA MASSI	2					2	1	.09	95.83	.33	.816	-.52	1.19	
115	SCULOPLUS MURRA			1	1		2	2	.09	95.92	.33	.516	-.21	.88	
116	NEPHYTIIDAE	1	1				2	2	.09	96.01	.33	.516	-.21	.88	

117	GLYCERA OXYCEPHALA	1			1	2	2	.09	96.09	.33	.516	-.21	.88
118	LOVENELLA GRANDIS			1	1	2	2	.09	96.18	.33	.516	-.21	.88
119	SIGAMBRA HASSI			1	1	2	2	.09	96.27	.33	.516	-.21	.88
120	ANCISTROSYLLIS JONESI	1	1			2	2	.09	96.36	.33	.516	-.21	.88
121	TEREKELLIDAE		2			2	1	.09	96.44	.33	.816	-.52	1.19
122	PSEUDOPHILOMEDES SPB				2	2	1	.09	96.53	.33	.816	-.52	1.19
123	VOLVULFELLA TEXASIANA	1			1	2	2	.09	96.62	.33	.516	-.21	.88
124	NOTOMASTIUS LATERICEUS	1	1			2	2	.09	96.71	.33	.516	-.21	.88
125	MAGELONA ROSEA	1		1		2	2	.09	96.80	.33	.516	-.21	.88
126	AMPHARETE ACUTIFRONS		1			2	2	.09	96.88	.33	.516	-.21	.88
127	GLOTTIDIA PYRAMIDATA	1		1		2	2	.09	96.97	.33	.516	-.21	.88
128	PINNOTHERIDAE	2				2	2	.09	97.06	.33	.816	-.52	1.19
129	CAPRELLID		1	1		2	1	.09	97.15	.33	.516	-.21	.88
130	GLYCERA SPB	2				2	1	.09	97.23	.33	.816	-.52	1.19
131	PROCESSA HEMPHILLI	1		1		2	2	.09	97.32	.33	.516	-.21	.88
132	HARMOTHOE TRIMACULATA	2				2	1	.09	97.41	.33	.816	-.52	1.19
133	LUMBRINERIS JANUARI	2				2	1	.09	97.50	.33	.816	-.52	1.19
134	PAGURIDAE			1	1	2	2	.09	97.59	.33	.516	-.21	.88
135	OSTRACOD SPMM		1		1	2	2	.09	97.67	.33	.516	-.21	.88
136	EXOGONE DISPAR	1		1		2	2	.09	97.76	.33	.516	-.21	.88
137	GONIADA MACULATA		1			2	2	.09	97.85	.33	.516	-.21	.88
138	SPIOPHANES SPA	1				1	1	.04	97.89	.17	.408	-.26	.60
139	MUCILA PROXIMA				1	1	1	.04	97.94	.17	.408	-.26	.60
140	CYCLASPIS SPB			1		1	1	.04	97.98	.17	.408	-.26	.60
141	PARAMETOPELLA TEXENSIS				1	1	1	.04	98.02	.17	.408	-.26	.60
142	RUTIDERMA SPD				1	1	1	.04	98.07	.17	.408	-.26	.60
143	BATEA SP		1			1	1	.04	98.11	.17	.408	-.26	.60
144	ECHINOIDEA			1		1	1	.04	98.16	.17	.408	-.26	.60
145	ARMANDIA MACULATA	1				1	1	.04	98.20	.17	.408	-.26	.60
146	CAPITELLA CAPITATA		1			1	1	.04	98.24	.17	.408	-.26	.60
147	MUIRA AINUPUS			1		1	1	.04	98.29	.17	.408	-.26	.60
148	DUSINIA ELEGANS	1				1	1	.04	98.33	.17	.408	-.26	.60
149	HALICELLA SPA		1			1	1	.04	98.38	.17	.408	-.26	.60
150	ARMANDIA AGILIS				1	1	1	.04	98.42	.17	.408	-.26	.60
151	LUCINA AMIANIUS	1				1	1	.04	98.46	.17	.408	-.26	.60
152	CERATONEREIS IRRITABILIS	1				1	1	.04	98.51	.17	.408	-.26	.60
153	CIRRIFORMIA FILIGERA		1			1	1	.04	98.55	.17	.408	-.26	.60
154	AUTOLYTUS CF FASCIATUS		1			1	1	.04	98.60	.17	.408	-.26	.60
155	PAKANAITIS POLYNOIDES			1		1	1	.04	98.64	.17	.408	-.26	.60
156	VITRINELLA FLORIDANA				1	1	1	.04	98.68	.17	.408	-.26	.60
157	SCHISTOMERINGOS RUDOLPHI	1				1	1	.04	98.73	.17	.408	-.26	.60
158	CAPITELLIDAE		1			1	1	.04	98.77	.17	.408	-.26	.60
159	CERIANTHARIA				1	1	1	.04	98.81	.17	.408	-.26	.60
160	LEPTOCHELA SERRATORRHITA		1			1	1	.04	98.86	.17	.408	-.26	.60
161	PHOLIS MACROMANUS	1				1	1	.04	98.90	.17	.408	-.26	.60
162	GLYCERA TESSELATA			1		1	1	.04	98.95	.17	.408	-.26	.60
163	PARASTEROPE LATA	1				1	1	.04	98.99	.17	.408	-.26	.60
164	ONUPHIDAE			1		1	1	.04	99.03	.17	.408	-.26	.60
165	POLYDORA CF CONCHARUM		1			1	1	.04	99.08	.17	.408	-.26	.60
166	LEPIDASTHENIA MACULATA		1			1	1	.04	99.12	.17	.408	-.26	.60
167	GONEPLACIDAE				1	1	1	.04	99.17	.17	.408	-.26	.60
168	ALPHEIDAE				1	1	1	.04	99.21	.17	.408	-.26	.60
169	PARAONIS SPA	1				1	1	.04	99.25	.17	.408	-.26	.60
170	PIHOMIS ARENOSUS		1			1	1	.04	99.30	.17	.408	-.26	.60
171	MINUSPIO CIRROBRANCHIATA				1	1	1	.04	99.34	.17	.408	-.26	.60
172	GONIADIDAE	1				1	1	.04	99.39	.17	.408	-.26	.60
173	DENTALIUM TEXASIANUM				1	1	1	.04	99.43	.17	.408	-.26	.60
174	PISIA CRISIATA		1			1	1	.04	99.47	.17	.408	-.26	.60
175	COSSURA DELTA				1	1	1	.04	99.52	.17	.408	-.26	.60
176	HYDRUIDES PROTULICOLA		1			1	1	.04	99.56	.17	.408	-.26	.60
177	MERCENARIA CAMPECHIENSIS				1	1	1	.04	99.60	.17	.408	-.26	.60
178	SERIOLIS SP	1				1	1	.04	99.65	.17	.408	-.26	.60

179 LOINIA MEDUSA			1		1	1	.04	99.69	.17	.408	-.26	.60
180 HAMINOEA SPA	1				1	1	.04	99.74	.17	.408	-.26	.60
181 UKKINIIDAE	1				1	1	.04	99.78	.17	.408	-.26	.60
182 ONUPHIS SPA		1			1	1	.04	99.82	.17	.408	-.26	.60
183 PILANGIS BERKELYAE		1			1	1	.04	99.87	.17	.408	-.26	.60
184 SPIOPHANES SP			1		1	1	.04	99.91	.17	.408	-.26	.60
185 MAGELONA LONGICORNIS			1		1	1	.04	99.96	.17	.408	-.26	.60
186 POLINICES DUPLICATUS			1		1	1	.04	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	70	91	100	83	77	49	
NO. OF INDIVIDUALS	331	518	505	290	427	207	2278

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	IV	186	2278	5.8607	.9638	.4731

STATION 5 TRANSECT IV PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL				95 PCT CONF LIM			
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT		MEAN	STD	
1 PARAPRIONOSPID PINNATA	37	127	142	36	42	169	553	6	59.40	59.40	92.17	60.522	28.64	155.69
2 LUMBRINERIS PARVAPEDATA	14	19	14	4	10	16	77	6	8.27	67.67	12.83	5.231	7.34	18.32
3 NEMERTINEA	11	6	11	4	6	13	51	6	5.48	73.15	8.50	3.619	4.70	12.30
4 MEDIUMASTIUS CALIFORNIENSIS	10	5	2	1	4	2	24	6	2.50	75.73	4.00	3.286	.55	7.45
5 PARANONIS GRACILIS	5	5	5	2	3	1	21	6	2.26	77.98	3.50	1.761	1.65	5.35
6 AMPELISCA VERHILLI	6	3	1	3	1	3	17	6	1.83	79.81	2.83	1.835	.91	4.76
7 SPIONIDAE	5	2			1	5	13	4	1.40	81.20	2.17	2.317	-.76	4.60
8 MAGELONA LONGICORNIS	2	6	2	1		2	13	5	1.40	82.60	2.17	2.041	.02	4.31
9 AMPELISCA AGASSIZI		6	6				12	2	1.29	83.89	2.00	3.098	-1.25	5.25
10 CORHOLA SMITHIANA	3		5			4	12	3	1.29	85.10	2.00	2.282	-.39	4.39
11 PARANONIS SPA	4		1		2	3	10	4	1.07	86.25	1.67	1.633	-.05	3.38
12 COSSURA DELTA	4	1	2	2		1	10	5	1.07	87.33	1.67	1.366	.23	3.10
13 AMPELISCA ABDITA	2	1	1	3		2	9	5	.97	88.29	1.50	1.049	.40	2.60
14 NEPHYIIDAE		6	1				7	2	.75	89.04	1.17	2.441	-1.35	3.69
15 NEPHYYS INCISA		3	3				6	2	.64	89.69	1.00	1.549	-.63	2.63
16 PARANONIDAE	2	1	2			1	6	4	.64	90.33	1.00	.894	.06	1.94
17 SIGAMBRA TENTACULATA	1	3			1	1	6	4	.64	90.98	1.00	1.095	-.15	2.15
18 VOLVULELLA TEXASIANA	1	2		2	1		6	4	.64	91.62	1.00	.894	.06	1.94
19 NEREID(NICON) SPA	2		3			1	6	3	.64	92.27	1.00	1.265	-.33	2.33
20 NINOE NIGRIPES	1		1	1	1	1	5	5	.54	92.80	.83	.408	.40	1.76
21 CINROPHURUS LYRIFORMIS		2		1		1	4	3	.43	93.23	.67	.816	-.19	1.52
22 APSEUDES SPA			2			2	4	2	.43	93.66	.67	1.033	-.42	1.75
23 SIPUNCULA		2			1	1	4	3	.43	94.09	.67	.816	-.19	1.52
24 ANNANDIA MACULATA		1			1	1	3	3	.32	94.41	.50	.548	-.07	1.07
25 ARICIDEA JEFFREYSII	2				1		3	2	.32	94.74	.50	.837	-.38	1.38
26 NOTOMASIUS CF LATERICEUS						3	3	1	.32	95.06	.50	1.225	-.79	1.79
27 DRILONEREIS MAGNA	2					1	3	2	.32	95.38	.50	.837	-.38	1.38
28 FUDONELLA MUNDON	1	1		1			3	3	.32	95.70	.50	.548	-.07	1.07
29 ONUPHIS SPA	2						2	1	.21	95.92	.33	.816	-.52	1.19
30 ARICIDEA TAYLORI		2					2	1	.21	96.13	.33	.816	-.52	1.19
31 LUMBRINERIS TENUIS	1				1		2	2	.21	96.35	.33	.516	-.21	.88
32 CHASMOCARCINUS MISSISSIPPIENSIS		1	1				2	2	.21	96.56	.33	.516	-.21	.88
33 THARYX MARTONI	2						2	1	.21	96.78	.33	.816	-.52	1.19
34 POLYCHAETE SPA	1		1				2	2	.21	96.99	.33	.516	-.21	.88
35 GLYCERA CAPITATA	2						2	1	.21	97.21	.33	.816	-.52	1.19
36 NEREIDAE	2						2	1	.21	97.42	.33	.816	-.52	1.19
37 AEDICIRA BELGICAE			1				1	1	.11	97.53	.17	.408	-.26	.60
38 ASYCHIS ELONGATA						1	1	1	.11	97.64	.17	.408	-.26	.60
39 LISTRIELLA BARNARDI						1	1	1	.11	97.74	.17	.408	-.26	.60
40 OPHIUROIDEA						1	1	1	.11	97.85	.17	.408	-.26	.60
41 DIOPATRA CF NEOTRIDENS		1					1	1	.11	97.96	.17	.408	-.26	.60
42 CAULLERIELLA SPB	1						1	1	.11	98.07	.17	.408	-.26	.60
43 THARYX ANNULOSUS		1					1	1	.11	98.17	.17	.408	-.26	.60
44 PRIONOSPID CRISTATA				1			1	1	.11	98.28	.17	.408	-.26	.60
45 GONEPLACIDAE				1			1	1	.11	98.39	.17	.408	-.26	.60
46 DIOPATRA CUPREA	1						1	1	.11	98.50	.17	.408	-.26	.60
47 PHYLLODOCE MUCOSA						1	1	1	.11	98.60	.17	.408	-.26	.60
48 ERIUPIA SPA		1					1	1	.11	98.71	.17	.408	-.26	.60
49 SIGAMBRA SP	1						1	1	.11	98.82	.17	.408	-.26	.60
50 ASYCHIS SP						1	1	1	.11	98.93	.17	.408	-.26	.60
51 TRACHYPENAEUS SIMILIS					1		1	1	.11	99.03	.17	.408	-.26	.60
52 OLIGOCHAETA	1						1	1	.11	99.14	.17	.408	-.26	.60
53 GLYCERA SPB					1		1	1	.11	99.25	.17	.408	-.26	.60
54 AMPELISCA CF CRISTATA		1					1	1	.11	99.36	.17	.408	-.26	.60

55 AUTUMATE EVERMANNI			1	1	1	.11	99.46	.17	.408	-.26	.60
56 OPHIOGLYCERA DISTORTA	1			1	1	.11	99.57	.17	.408	-.26	.60
57 PARANIDES LYRA		1		1	1	.11	99.68	.17	.408	-.26	.60
58 AMPHICTEIS GUNNERI	1			1	1	.11	99.79	.17	.408	-.26	.60
59 MINUSPID LONGIBRANCHIATA			1	1	1	.11	99.89	.17	.408	-.26	.60
60 DIOPATRA SP			1	1	1	.11	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	30	28	21	15	19	29	
NO. OF INDIVIDUALS	129	211	207	63	80	241	931

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	IV	60	931	2.8514	.6350	.1833

STATION 6 TRANSECT IV PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL			ACC PCT	MEAN	STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT				CONF	LIM
1 MALDANIDAE	3	4	5	1	16	3	32	6	7.66	7.66	5.33	5.391	-.33	10.99
2 THYASIRA SPA	12		11		4	4	31	4	7.42	15.47	5.17	5.231	-.32	10.66
3 NEMERTINEA	6	3	8	4	4	6	31	6	7.42	22.49	5.17	1.835	3.24	7.49
4 PARANPHINOME PULCHELLA	5	4		2	4	4	19	5	4.55	27.83	3.17	1.835	1.24	5.49
5 COSSURA DELIA	1	3	3	1	4	2	14	6	3.35	30.38	2.33	1.211	1.46	3.64
6 PANAPRIONOSPIO PINNATA	4	2	4	1	1	1	13	6	3.11	33.49	2.17	1.472	.62	3.71
7 AMPELISCA AGASSIZI		1	8		1	1	11	4	2.63	36.12	1.83	3.461	-1.38	5.85
8 SPIRIDIAE		3	1	2	3	2	11	5	2.63	38.76	1.83	1.169	.61	3.96
9 MAGELONA LONGICORNIS		1	2	2	4	1	10	5	2.39	41.15	1.67	1.366	.23	3.18
10 POLYCHAETE SPA	4	3	1			1	9	4	2.15	43.30	1.50	1.643	-.22	3.22
11 XENANTHURA BREVITELSON		1			2	5	8	3	1.91	45.22	1.33	1.966	-.73	3.40
12 THARYX MARIONI			5		3		8	2	1.91	47.13	1.33	2.168	-.93	3.60
13 ASYCHIS SP		4	1	2		1	8	4	1.91	49.44	1.33	1.586	-.25	2.91
14 PARANIS GHACILIS	2			2	1	2	7	4	1.67	50.72	1.17	.983	.13	2.24
15 APANTHURA MAGNIFICA	2		2		2		6	3	1.44	52.15	1.00	1.495	-.15	2.15
16 AMPHARETIIDAE	1		3		1	1	6	4	1.44	53.59	1.00	1.495	-.15	2.15
17 TEREBELLIDES STROEMII		2	2		2		6	3	1.44	55.42	1.00	1.495	-.15	2.15
18 SAHELLIDAE		2			3	1	6	3	1.44	56.46	1.00	1.265	-.33	2.33
19 PARANIS SPA		1	1	1	2	1	6	5	1.44	57.49	1.00	.632	.34	1.66
20 MEDIOMASTUS CALIFORNIENSIS	1	2	1		1		5	4	1.20	59.49	.83	.753	.44	1.62
21 NOTIMASTUS CF LATERICEUS		1	1		3		5	3	1.20	60.29	.83	1.169	-.39	2.46
22 LUMBRINERIS PARVAPEDATA	1	1	1		2	1	5	4	1.20	61.48	.83	.753	.44	1.62
23 RUTIDERMA SPH		1	2		1		4	3	.96	62.44	.67	.816	-.19	1.52
24 OPHEUROIDEA				2		2	4	2	.96	63.40	.67	1.433	-.42	1.75
25 NEPHTYIDAE	1			1		2	4	3	.96	64.35	.67	.816	-.19	1.52
26 MARHANUS PAUCICHELATUS	2	2					4	2	.96	65.31	.67	1.433	-.42	1.75
27 SPHAEROSYLLIS CF SUBLAEVIS	2	1				1	4	3	.96	66.27	.67	.816	-.19	1.52
28 SPIOPHANES LONGICIRRUS					4		4	1	.96	67.22	.67	1.633	-1.05	2.38
29 NINOE NIGRIPES	1		1		2		4	3	.96	68.18	.67	.816	-.19	1.52
30 SPIOPHANES SP		3	1				4	2	.96	69.14	.67	1.211	-.68	1.94
31 PHORONIDA	1	1	2				4	3	.96	70.10	.67	.816	-.19	1.52
32 SIGAMBRA TENIACULATA	1		2		1		4	3	.96	71.05	.67	.816	-.19	1.52
33 UNCIOLA SERRATA		1	2				3	2	.72	71.77	.50	.837	-.34	1.38
34 ASYCHIS ELONGATA			2		1		3	2	.72	72.49	.50	.837	-.38	1.38
35 AUTOMATE EVERMANNI			1		2		3	2	.72	73.21	.50	.837	-.38	1.38
36 KALLIAPSEUDES SPA			1	1		1	3	3	.72	73.92	.50	.548	-.47	1.47
37 PHYLLODOCE MUCOSA				1	1	1	3	3	.72	74.64	.50	.548	-.47	1.47
38 HETEROSPIO LONGISSIMA		2				1	3	2	.72	75.36	.50	.837	-.38	1.38
39 CORRULA SWIFTIANA		2				1	3	2	.72	76.08	.50	.837	-.38	1.38
40 NUCULA PROXIMA		2					2	1	.48	76.56	.33	.816	-.52	1.19
41 ONUPHIDAE	1		1				2	2	.48	77.43	.33	.516	-.21	.88
42 SPIOPHANES SPA	1	1					2	2	.48	77.51	.33	.516	-.21	.88
43 YULONIA SOLENOIDES	2						2	1	.48	77.99	.33	.816	-.52	1.19
44 TEREBELLIDAE			1	1			2	2	.48	78.47	.33	.516	-.21	.88
45 PISTA CRISTATA			1			1	2	2	.48	78.95	.33	.516	-.21	.88
46 PARALACYDONIA PARADOXA	1	1					2	2	.48	79.43	.33	.516	-.21	.88
47 MINUSPIO SP	2						2	1	.48	79.94	.33	.816	-.52	1.19
48 CHASMOCARCINUS MISSISSIPPIENSIS			1	1			2	2	.48	80.38	.33	.516	-.21	.88
49 AMPELISCA VERRILLI			2				2	1	.48	80.86	.33	.816	-.52	1.19
50 SIPUNCULA	1		1				2	2	.48	81.34	.33	.516	-.21	.88
51 MARPHYSA SPA	1	1					2	2	.48	81.82	.33	.516	-.21	.88
52 CUMACEAN SPI	1					1	2	2	.48	82.34	.33	.516	-.21	.88
53 CIRROPHORUS LYRIFORMIS				1		1	2	2	.48	82.78	.33	.516	-.21	.88
54 ECHINODERMATA		1				1	2	2	.48	83.25	.33	.516	-.21	.88

55	PALFANOTUS HETEROSETA	1	1	2	2	.48	83.73	.33	.516	-.21	.88
56	OWENIA FUSIFORMIS			2	2	.48	84.21	.33	.816	-.52	1.19
57	AGLAOPHAMUS INERMIS	1	1	2	2	.48	84.69	.33	.516	-.21	.88
58	EUDORELLA MUNDON			2	2	.48	85.17	.33	.816	-.52	1.19
59	ARMANDIA MACULATA	1	1	2	2	.48	85.65	.33	.516	-.21	.88
60	LAONICE CIRRYATA		1	1	2	.48	86.12	.33	.516	-.21	.88
61	NOTOMASTUS LATERICEUS	1	1	2	2	.48	86.60	.33	.516	-.21	.88
62	NOTOMASTUS CF AMERICANUS	1	1	2	2	.48	87.08	.33	.516	-.21	.88
63	CLYMENELLA TORQUATA	1	1	1	1	.24	87.32	.17	.408	-.26	.60
64	CALLIANASSA ACANTHOCHIRUS		1	1	1	.24	87.56	.17	.408	-.26	.60
65	LUMBRINERIS CF MAGALHAENSIS	1	1	1	1	.24	87.80	.17	.408	-.26	.60
66	SCHISTOMERINGOS RUDOLPHI		1	1	1	.24	88.04	.17	.408	-.26	.60
67	UNUPHIS SPA		1	1	1	.24	88.28	.17	.408	-.26	.60
68	PSEUDOPHILOMEDES SPA		1	1	1	.24	88.52	.17	.408	-.26	.60
69	EXOGONE DISPAR	1		1	1	.24	88.76	.17	.408	-.26	.60
70	NEREID(NICON) SPA		1	1	1	.24	89.00	.17	.408	-.26	.60
71	SCUTOPUS SPA		1	1	1	.24	89.23	.17	.408	-.26	.60
72	GLYCERA CAPITATA		1	1	1	.24	89.47	.17	.408	-.26	.60
73	SARSIELLA CF GREYI	1		1	1	.24	89.71	.17	.408	-.26	.60
74	PENIPLOMA ORBICULANE		1	1	1	.24	89.95	.17	.408	-.26	.60
75	ERIOPIISA SPH		1	1	1	.24	90.19	.17	.408	-.26	.60
76	CAPRELLID	1		1	1	.24	90.43	.17	.408	-.26	.60
77	NOTOCIRRHUS CF SPINIFERUS		1	1	1	.24	90.67	.17	.408	-.26	.60
78	SARSIELLA SPK	1		1	1	.24	90.91	.17	.408	-.26	.60
79	HARHANSUS PAUCICHELATUS		1	1	1	.24	91.15	.17	.408	-.26	.60
80	DENTALIUM SOMERBYI	1		1	1	.24	91.39	.17	.408	-.26	.60
81	SPIOCHAETOPTERUS COSTARUM		1	1	1	.24	91.63	.17	.408	-.26	.60
82	MARPHYSA SPD		1	1	1	.24	91.87	.17	.408	-.26	.60
83	PISTA SP		1	1	1	.24	92.11	.17	.408	-.26	.60
84	ARICIDEA CF FRAGILIS		1	1	1	.24	92.34	.17	.408	-.26	.60
85	GUNIADA NORVEGICA		1	1	1	.24	92.58	.17	.408	-.26	.60
86	CAPITELLID SPA	1		1	1	.24	92.82	.17	.408	-.26	.60
87	PARAUNIDES LYRA	1		1	1	.24	93.06	.17	.408	-.26	.60
88	NEREID SPH		1	1	1	.24	93.30	.17	.408	-.26	.60
89	PARAUNIDAE		1	1	1	.24	93.54	.17	.408	-.26	.60
90	EUNICE SPH		1	1	1	.24	93.78	.17	.408	-.26	.60
91	UNUPHIS NEBULOSA	1		1	1	.24	94.02	.17	.408	-.26	.60
92	GLYCERA SPH	1		1	1	.24	94.26	.17	.408	-.26	.60
93	AUTOMATE SP		1	1	1	.24	94.50	.17	.408	-.26	.60
94	AMPELISCA ABDITA		1	1	1	.24	94.74	.17	.408	-.26	.60
95	PROCESSA HEMPHILLI	1		1	1	.24	94.98	.17	.408	-.26	.60
96	COROPHIUM ASCHERUSICUM	1		1	1	.24	95.22	.17	.408	-.26	.60
97	STHENELEIS HOA	1		1	1	.24	95.45	.17	.408	-.26	.60
98	OSTRACOD SPJJ		1	1	1	.24	95.69	.17	.408	-.26	.60
99	TELLINA VERSICOLOR	1		1	1	.24	95.93	.17	.408	-.26	.60
100	LUMBRINERIS ALBIDENTATA		1	1	1	.24	96.17	.17	.408	-.26	.60
101	HETEROPHOXUS CF OCULATUS	1		1	1	.24	96.41	.17	.408	-.26	.60
102	POLYDORA CF CONCHARUM		1	1	1	.24	96.65	.17	.408	-.26	.60
103	EUCHONE ROSEA		1	1	1	.24	96.89	.17	.408	-.26	.60
104	FABRICIA SPA	1		1	1	.24	97.13	.17	.408	-.26	.60
105	MACOMA TENTA		1	1	1	.24	97.37	.17	.408	-.26	.60
106	ALPHEUS SP		1	1	1	.24	97.61	.17	.408	-.26	.60
107	AMPHILOCHUS SP		1	1	1	.24	97.85	.17	.408	-.26	.60
108	TANAID SPH		1	1	1	.24	98.09	.17	.408	-.26	.60
109	MAGELONA ROSEA		1	1	1	.24	98.33	.17	.408	-.26	.60
110	STERNASPIS SCUTATA		1	1	1	.24	98.56	.17	.408	-.26	.60
111	PECTINARIA GOULDII		1	1	1	.24	98.80	.17	.408	-.26	.60
112	SCHOLELEPIS TEXANA		1	1	1	.24	99.04	.17	.408	-.26	.60
113	SPIOPHANES WIGLEYI	1		1	1	.24	99.28	.17	.408	-.26	.60
114	AMPHARETE AMERICANA		1	1	1	.24	99.52	.17	.408	-.26	.60
115	PHYLLUDUCIDAE	1		1	1	.24	99.76	.17	.408	-.26	.60
116	PHILINE SAGRA		1	1	1	.24	100.00	.17	.408	-.26	.60

NO. OF SPECIES 47 37 38 26 43 37
NO. OF INDIVIDUALS 81 64 86 35 91 61 418

STATION TRANSECT SPECIES INDIVIDUALS DIVERSITY PIE EQUITABILITY
6 IV 116 418 5.9658 .9739 .8194

STATION 7 TRANSECT IV PERIOD 77SPRING

SPECIES	REPLICATE						TOTAL				MEAN	STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT			CONF	LIM
1 PANAPRIONUSPIO PINNATA	3	3	6	3	14	3	32	6	15.31	15.31	5.33	4.412	.70	9.96
2 IHARYX MARIONI		1	6	2	2	4	15	5	7.18	22.49	2.50	2.168	.22	4.78
3 NEMERTINEA			2		11	1	14	3	6.70	29.19	2.33	4.320	-2.20	6.87
4 PARANIS GHACILIS		2	4	1		2	9	4	4.31	33.49	1.50	1.517	-.09	3.09
5 PARANIS SPA	1		3	2		1	7	4	3.35	36.84	1.17	1.169	-.06	2.39
6 SIGAMBRA TENTACULATA	1	1		1	3	1	7	5	3.35	48.19	1.17	.983	.13	2.20
7 THYASIRA PYGMAEA	1	2			2	2	7	4	3.35	43.54	1.17	.983	.13	2.20
8 DENTALIUM SOWENBYI			3	2		1	6	3	2.87	46.41	1.00	1.265	-.33	2.33
9 SIPUNCULA	2		3			1	6	3	2.87	49.28	1.00	1.265	-.33	2.33
10 NEPHTYS INCISA			4		1		5	2	2.39	51.67	.83	1.602	-.85	2.51
11 STERNASPIS SCUIATA			3			2	5	2	2.39	54.07	.83	1.329	-.56	2.23
12 ANCISTROSYLLIS GROENLANDICA	1	3	1				5	3	2.39	56.46	.83	1.169	-.39	2.06
13 PARALACYDONIA PARADOXA		3			1		4	2	1.91	58.37	.67	1.211	-.60	1.94
14 CUSSUMA DELTA	1		1		1	1	4	4	1.91	60.29	.67	.516	.12	1.21
15 HETEROPHUXUS CF OCULATUS		2			1		3	2	1.44	61.72	.50	.837	-.38	1.38
16 NINOE NIGRIPES	1		2				3	2	1.44	63.16	.50	.837	-.38	1.38
17 CALIFIA CF CALIDA			1		1	1	3	3	1.44	64.59	.50	.548	-.07	1.07
18 SPIOPHANES LONGICIRRUS		2			1		3	2	1.44	66.03	.50	.837	-.38	1.38
19 AMPELISCA SPA			2		1		3	2	1.44	67.46	.50	.837	-.38	1.38
20 ALIERNOCHELATA SPA			2		1		3	2	1.44	68.90	.50	.837	-.38	1.38
21 PARANIDES LYRA		3					3	1	1.44	70.33	.50	1.225	-.79	1.79
22 ONUPHIDAE					1	1	2	2	.96	71.29	.33	.516	-.21	.88
23 HARRANUS PAUCICHELATUS		1	1				2	2	.96	72.25	.33	.516	-.21	.88
24 POLYCHAETE SPA	1				1		2	2	.96	73.21	.33	.516	-.21	.88
25 ONUPHIS SPA		1				1	2	2	.96	74.16	.33	.516	-.21	.88
26 AGLAUPHAMUS INERMIS			1	1			2	2	.96	75.12	.33	.516	-.21	.88
27 LUMHRINERIS PARVAPEDATA		1				1	2	2	.96	76.08	.33	.516	-.21	.88
28 BYHLIS CF AFFINIS			1		1		2	2	.96	77.03	.33	.516	-.21	.88
29 OSTRACOD SPA			1	1			2	2	.96	77.99	.33	.516	-.21	.88
30 NUCULANA ACUTA				2			2	1	.96	78.95	.33	.816	-.52	1.19
31 FALCIDENS SPA				2			2	1	.96	79.90	.33	.816	-.52	1.19
32 AGLAUPHAMUS CIRGINATA					1	1	2	2	.96	80.86	.33	.516	-.21	.88
33 VULVULELLA TEXASIANA	1				1		2	2	.96	81.82	.33	.516	-.21	.88
34 PILARGIS HERKELYAE			1				1	1	.48	82.30	.17	.408	-.26	.60
35 OPHIUDROMUS OBSCURUS		1					1	1	.48	82.78	.17	.408	-.26	.60
36 CAPITELLIOAE		1					1	1	.48	83.25	.17	.408	-.26	.60
37 GLYCERA TESSELATA			1				1	1	.48	83.73	.17	.408	-.26	.60
38 PHILOMEDES SPA		1					1	1	.48	84.21	.17	.408	-.26	.60
39 NASSARIIDAE		1					1	1	.48	84.69	.17	.408	-.26	.60
40 ANTHURID SPH		1					1	1	.48	85.17	.17	.408	-.26	.60
41 AMPHARETE AMERICANA					1		1	1	.48	85.65	.17	.408	-.26	.60
42 ARMANDIA MACULATA	1						1	1	.48	86.12	.17	.408	-.26	.60
43 HRISSOPSIS ALTA		1					1	1	.48	86.60	.17	.408	-.26	.60
44 CAULLERIELLA SPH					1		1	1	.48	87.08	.17	.408	-.26	.60
45 TELLINA VERSICOLOR		1					1	1	.48	87.56	.17	.408	-.26	.60
46 PROCHAETODERMA SPA		1					1	1	.48	88.04	.17	.408	-.26	.60
47 TEREBELLIDES STROEMII						1	1	1	.48	88.52	.17	.408	-.26	.60
48 HIPPIMEDON CF SERRATUS	1						1	1	.48	89.00	.17	.408	-.26	.60
49 POLYDIDAE		1					1	1	.48	89.47	.17	.408	-.26	.60
50 NEPHTYIDAE		1					1	1	.48	89.95	.17	.408	-.26	.60
51 AEDICINA BELGICAE					1		1	1	.48	90.43	.17	.408	-.26	.60
52 SABELLIDAE					1		1	1	.48	90.91	.17	.408	-.26	.60
53 LUMHRINERIS SPA						1	1	1	.48	91.39	.17	.408	-.26	.60
54 LUMHRINERIS TENUIS						1	1	1	.48	91.87	.17	.408	-.26	.60

55	STHENOLEPIS CF JAPONICA			1		1	1	.48	92.34	.17	.408	-.26	.60
56	ADRA AEQUALIS	1				1	1	.48	92.82	.17	.408	-.26	.60
57	OSTRACOD SPD		1			1	1	.48	93.30	.17	.408	-.26	.60
58	SPIUCHAETOPTERUS COSTARUM				1	1	1	.48	93.78	.17	.408	-.26	.60
59	HETERUSPID LONGISSIMA				1	1	1	.48	94.26	.17	.408	-.26	.60
60	GONEPLACIDAE		1			1	1	.48	94.74	.17	.408	-.26	.60
61	CAPRELLID	1				1	1	.48	95.22	.17	.408	-.26	.60
62	ARICIDEA CF TRILOBATA			1		1	1	.48	95.69	.17	.408	-.26	.60
63	CHAETOPTERIDAE	1				1	1	.48	96.17	.17	.408	-.26	.60
64	VANGULA SP		1			1	1	.48	96.65	.17	.408	-.26	.60
65	PHIUNOSPID STEFNSIRUPI			1		1	1	.48	97.13	.17	.408	-.26	.60
66	PARAMPHINOME PULCHELLA		1			1	1	.48	97.61	.17	.408	-.26	.60
67	EUDOMELLA MONODON		1			1	1	.48	98.09	.17	.408	-.26	.60
68	PHILINE SAGRA		1			1	1	.48	98.56	.17	.408	-.26	.60
69	ANCISTRUSYLLIS SP	1				1	1	.48	99.04	.17	.408	-.26	.60
70	GONIADA NORVEGICA	1				1	1	.48	99.52	.17	.408	-.26	.60
71	SPIIIDAE		1			1	1	.48	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	14	25	27	15	23	20	
NO. OF INDIVIDUALS	17	37	55	22	50	28	209

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
7	IV	71	209	5.3309	.9588	.8592

STATION 1 TRANSECT I PERIOD 77FALL

SPECIES	REPLICATE						TOTAL ARUND	TOTAL OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM		
	1	2	3	4	5	6									
1 SIPUNCULA	46	43	14	23	46	20	192	6	36.50	36.50	32.00	14.574	16.70	47.30	
2 PARAPRIONOSPIO PINNATA	7	3	3	24	51	21	109	6	20.72	57.22	18.17	18.465	-1.21	37.55	
3 MAGELONA PHYLLISAE		4	17	13	9	17	60	5	11.41	68.63	10.00	6.986	2.67	17.33	
4 SIGAMMRA TENTACULATA	5		1	1	0	3	10	5	3.42	72.05	3.00	3.033	-.18	6.18	
5 NEMERTINEA		4	1	2	8		15	4	2.85	74.90	2.50	3.082	-.74	5.74	
6 POLYCHAETE SPA		14					14	1	2.66	77.57	2.33	5.715	-3.67	8.33	
7 ASYCHIS SP	2				3	5	3	13	4	2.47	80.04	2.17	1.941	.13	4.20
8 CUSSURA DELTA		1	5	3	1	3	13	5	2.47	82.51	2.17	1.835	.24	4.89	
9 NEPHIYS INCISA	1			2	4	1	8	4	1.52	84.03	1.33	1.546	-.25	2.91	
10 NUCULANA CONCENTRICA			1	5	2		8	3	1.52	85.55	1.33	1.966	-.73	3.40	
11 LUMBRINERIS PARVAPEDATA				1	3	3	7	3	1.33	86.88	1.17	1.472	-.38	2.71	
12 MEDIOMASTUS CALIFORNIENSIS	2		1	1	2		6	4	1.14	88.02	1.00	.894	.06	1.94	
13 ZDANTHARIA	3				2	1	6	3	1.14	89.16	1.00	1.265	-.33	2.33	
14 PARADNIS GRACILIS			1	1	1	2	5	4	.95	90.11	.83	.753	.04	1.62	
15 PARADNIDAE	2				2		4	2	.76	90.87	.67	1.033	-.42	1.75	
16 LISTRIELLA HARWARDI		1			3		4	2	.76	91.63	.67	1.211	-.60	1.44	
17 NINNE NIGRIPES	2					1	4	3	.76	92.40	.67	.816	-.19	1.52	
18 ASYCHIS ELONGATA					3		3	1	.57	92.97	.50	1.225	-.79	1.79	
19 ARMANDIA MACULATA	1			1	1		3	3	.57	93.54	.50	.548	-.07	1.07	
20 LUMBRINERIS TENNIS		2					3	2	.57	94.11	.50	.837	-.38	1.38	
21 MEDIOMASTUS CF LATERICEUS				1	1		2	2	.38	94.49	.33	.516	-.21	.88	
22 TEREHRA PROTERTA						2	2	1	.38	94.87	.33	.816	-.52	1.19	
23 CUPHULA SWIFTIANA	2						2	1	.38	95.25	.33	.816	-.52	1.19	
24 SPIONIDAE			1		1		2	2	.38	95.63	.33	.516	-.21	.88	
25 SIGAMMRA HASSI			2				2	1	.38	96.01	.33	.816	-.52	1.19	
26 RENILLA MULLERI			2				2	1	.38	96.39	.33	.816	-.52	1.19	
27 URELLIA SPA			1			1	2	2	.38	96.77	.33	.516	-.21	.88	
28 ANCISTROSYLLIS JONESI				1		1	2	2	.38	97.15	.33	.516	-.21	.88	
29 ALPHEUS SP					1		1	1	.19	97.34	.17	.408	-.26	.60	
30 CAHIRA INCERTA	1						1	1	.19	97.53	.17	.408	-.26	.60	
31 DIOPATHA CUPREA				1			1	1	.19	97.72	.17	.408	-.26	.60	
32 PLINOTHERIDAE				1			1	1	.19	97.91	.17	.408	-.26	.60	
33 DRILONEREIS MAGNA					1		1	1	.19	98.10	.17	.408	-.26	.60	
34 THANYX ANNULOSUS			1				1	1	.19	98.29	.17	.408	-.26	.60	
35 NATICIDAE						1	1	1	.19	98.48	.17	.408	-.26	.60	
36 CAPITELLID SPA	1						1	1	.19	98.67	.17	.408	-.26	.60	
37 GYPTIS VITTATA		1					1	1	.19	98.86	.17	.408	-.26	.60	
38 SIGAMMRA SP		1					1	1	.19	99.05	.17	.408	-.26	.60	
39 ANCISTROSYLLIS GROENLANDICA	1						1	1	.19	99.24	.17	.408	-.26	.60	
40 AMPELISCA SPB				1			1	1	.19	99.43	.17	.408	-.26	.60	
41 NATICA CAHRENA				1			1	1	.19	99.62	.17	.408	-.26	.60	
42 SIMENOLEPIS CF JAPONICA					1		1	1	.19	99.81	.17	.408	-.26	.60	
43 NEREID(NICOU) SPA						1	1	1	.19	100.00	.17	.408	-.26	.60	

NO. OF SPECIES 10 14 13 23 20 17
 NO. OF INDIVIDUALS 67 83 50 94 149 83 526

STATION TRANSECT SPECIES INDIVIDUALS DIVERSITY PIE EQUITABILITY
 1 1 43 526 3.3483 .8070 .3488

STATION 2 TRANSECT 1 PERIOD 77FALL

SPECIES	REPLICATE						TOTAL					95 PCT		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF	LIM
1 ASYCHIS SP	39	54	23	25	66	46	253	6	29.42	29.42	42.17	16.702	24.64	59.70
2 PARAPRIONOSPID PINNATA	10	42	21	28	24	37	162	6	18.84	48.26	27.00	11.489	14.94	39.06
3 PARANIS SPA	7	16	12	7	9	23	74	6	8.60	56.86	12.33	6.250	5.77	18.89
4 PARANIS GRACILIS		8	5	6	8	10	37	5	4.30	61.16	6.17	3.488	2.51	9.83
5 NEPHYS INCISA	2	6	5	5	4	5	27	6	3.14	64.30	4.50	1.378	3.05	5.95
6 NEMERTINEA	9	5	1	5	1	4	25	6	2.91	67.21	4.17	2.994	1.02	7.31
7 MAGELONA LONGICORNIS	5		6	5	5	4	25	5	2.91	70.12	4.17	2.137	1.92	6.41
8 ASYCHIS ELONGATA	3	2	1		7	11	24	5	2.79	72.91	4.00	4.195	-.40	8.40
9 NEREID(NICON) SPA	1	4	5	1	2	8	21	6	2.44	75.35	3.50	2.739	.63	6.37
10 LUMBRINERIS PARVAPEDATA	1	6	1	3	3	2	16	6	1.86	77.21	2.67	1.862	.71	4.62
11 NYALA SPA		10			1	4	11	2	1.28	78.49	1.83	4.021	-2.39	6.05
12 PARANIDAE		1		3	1	4	9	4	1.05	79.53	1.50	1.643	-.22	3.22
13 AMPELISCA VERRILLI	2			2	1	3	8	4	.93	80.47	1.33	1.211	.06	2.60
14 TELLINA VERSICOLOR	1	4	3				8	3	.93	81.40	1.33	1.751	-.50	3.17
15 CORBULA SWIFTIANA			6			2	8	2	.93	82.33	1.33	2.422	-1.21	3.80
16 THARYX MARIANI			3		2	2	7	3	.81	83.14	1.17	1.329	-.23	2.56
17 COSSURA DELTA		1		3	1	2	7	4	.81	83.95	1.17	1.169	-.06	2.39
18 MEDIUMASTIUS CALIFORNIENSIS	2	2	1	1			6	4	.70	84.65	1.00	.894	.06	1.94
19 ARMANDIA MACULATA		1		3	1	1	6	4	.70	85.35	1.00	1.095	-.15	2.15
20 SIPUNCULA	5					1	6	2	.70	86.05	1.00	2.000	-1.10	3.10
21 PROCESSA HEMPHILLI		1	1	4			6	3	.70	86.74	1.00	1.549	-.63	2.63
22 MINUSPID LONGIRRANCHIATA			2	1	1	2	6	4	.70	87.44	1.00	.894	.06	1.94
23 NOTOMASTIUS CF LATERICEUS			1		3	2	6	3	.70	88.14	1.00	1.265	-.33	2.33
24 THARYX ANNULOSUS			2	2	1	1	6	4	.70	88.84	1.00	.894	.06	1.94
25 PINNOTHERIDAE	1			2		2	5	3	.58	89.42	.83	.983	-.20	1.87
26 CIRROPHORUS LYRIFORMIS		1		1	2	1	5	4	.58	90.00	.83	.753	.04	1.62
27 LAUNICE CIRRATA	1		1		2		4	3	.47	90.47	.67	.816	-.19	1.52
28 SPIONIDAE	1	2			1		4	3	.47	90.93	.67	.816	-.19	1.52
29 SIGAMBRA TENTACULATA	2		1	1			4	3	.47	91.40	.67	.816	-.19	1.52
30 THARYX FILIRRANCHIA					3		3	1	.35	91.74	.50	1.225	-.79	1.79
31 MAGELONA PHYLLISAE		2	1				3	2	.35	92.09	.50	.837	-.30	1.38
32 MINUSPID SP		3					3	1	.35	92.44	.50	1.225	-.79	1.79
33 AUTOMATE EVERMANNI		1			1	1	3	3	.35	92.79	.50	.548	-.07	1.07
34 DRILONEREIS MAGNA	1			1	1		3	3	.35	93.14	.50	.548	-.07	1.07
35 NEREID SPH			1	1	1		3	3	.35	93.49	.50	.548	-.07	1.07
36 ARICIDEA CF FRAGILIS			1		1	1	3	3	.35	93.84	.50	.548	-.07	1.07
37 NOCULANA ACUTA			1	2			3	2	.35	94.19	.50	.837	-.30	1.38
38 GONEPLACIDAE					1	2	3	2	.35	94.53	.50	.837	-.30	1.38
39 TURRONILLA SP					1	1	2	2	.23	94.77	.33	.516	-.21	.88
40 MAGELONA ROSEA				1	1		2	2	.23	95.00	.33	.516	-.21	.88
41 NOTOMASTIUS HEMIPODUS				1	1	1	2	2	.23	95.23	.33	.516	-.21	.88
42 POLYCHAETE SPA			1			1	2	2	.23	95.47	.33	.516	-.21	.88
43 CIRRATULID-B			1			1	2	2	.23	95.70	.33	.516	-.21	.88
44 NOTOMASTIUS LATERICEUS	1				1		2	2	.23	95.93	.33	.516	-.21	.88
45 ARICIDEA CF USCHAKOVI		1			1		2	2	.23	96.16	.33	.516	-.21	.88
46 NINOE NIGRIPES		1		1			2	2	.23	96.40	.33	.516	-.21	.88
47 NOTOMASTIUS AMERICANUS		2					2	1	.23	96.63	.33	.816	-.52	1.19
48 KALLIAPSEUDES SPA		1					1	1	.12	96.74	.17	.408	-.26	.60
49 SCHISTOMERINGOS RUDOLPHI			1				1	1	.12	96.86	.17	.408	-.26	.60
50 EUDORELLA MONODON				1			1	1	.12	96.98	.17	.408	-.26	.60
51 VOLVULELLA TEXASIANA						1	1	1	.12	97.09	.17	.408	-.26	.60
52 ADLISTRUSYLLIS JONESI				1			1	1	.12	97.21	.17	.408	-.26	.60
53 OPHIOGLYERA CF DISTORTA		1					1	1	.12	97.33	.17	.408	-.26	.60
54 STHENELEIS BDA	1						1	1	.12	97.44	.17	.408	-.26	.60

55	PLATYHELMINTHES	1					1	1	.12	97.56	.17	.408	-.26	.60
56	APSIDES SPA		1				1	1	.12	97.67	.17	.408	-.26	.60
57	MALOMA TENIA			1			1	1	.12	97.79	.17	.408	-.26	.60
58	ALPHEIDAE			1			1	1	.12	97.91	.17	.408	-.26	.60
59	CAMLERIELLA SPA		1				1	1	.12	98.02	.17	.408	-.26	.60
60	PISIA CRISTATA				1		1	1	.12	98.14	.17	.408	-.26	.60
61	GYPIIS VITTATA		1				1	1	.12	98.26	.17	.408	-.26	.60
62	MALACOCERUS VANDERHONSTI				1		1	1	.12	98.37	.17	.408	-.26	.60
63	LUMBRINERIS TERUIS			1			1	1	.12	98.49	.17	.408	-.26	.60
64	NATICIDAE		1				1	1	.12	98.60	.17	.408	-.26	.60
65	ACTINIANA SPE		1				1	1	.12	98.72	.17	.408	-.26	.60
66	LINNATOLIDAE		1				1	1	.12	98.84	.17	.408	-.26	.60
67	CERATIONEREIS IRRITABILIS			1			1	1	.12	98.95	.17	.408	-.26	.60
68	LISIRIELLA HANNARDI			1			1	1	.12	99.07	.17	.408	-.26	.60
69	POECILOCHAETUS JOHNSONI			1			1	1	.12	99.19	.17	.408	-.26	.60
70	ARICIDEA FINITIMA				1		1	1	.12	99.30	.17	.408	-.26	.60
71	PSEUDEURYNHOE AMBIGUA			1			1	1	.12	99.42	.17	.408	-.26	.60
72	AEDICINA BELGICAE				1		1	1	.12	99.53	.17	.408	-.26	.60
73	CHAETOPTERIDAE		1				1	1	.12	99.65	.17	.408	-.26	.60
74	OPHIURIDAE			1			1	1	.12	99.77	.17	.408	-.26	.60
75	ALPHEUS SP			1			1	1	.12	99.88	.17	.408	-.26	.60
76	SPIOPHARES SP			1			1	1	.12	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	21	34	32	30	35	33	
NO. OF INDIVIDUALS	96	186	113	119	161	185	860

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	1	76	860	4.0778	.8640	.3421

STATION 3 TRANSECT I PERIOD 77FALL

SPECIES	REPLICATE						TOTAL			ACC PCT	MEAN	STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PFCENT				CONF	LIM
1 SIPUNCULA	10	7	6	5	6	3	37	6	15.61	15.61	6.17	2.317	3.74	8.60
2 SIGAMMA TENTACULATA	3		3	1		7	14	4	5.91	21.52	2.33	2.658	-.46	5.12
3 THARYX MARIONI		3			3	6	12	3	5.06	26.58	2.00	2.449	-.57	4.57
4 PANAONIS GRACILIS		4	2	1		2	9	4	3.80	30.30	1.50	1.517	-.09	3.09
5 NEMERTINEA	2		3			3	8	3	3.38	33.76	1.33	1.506	-.25	2.91
6 ENIOPISA INCISA						7	7	1	2.95	36.71	1.17	2.050	-1.03	4.17
7 COSSURA DELTA	1	1	4			1	7	4	2.95	39.66	1.17	1.472	-.38	2.71
8 PANALACTONIA PARADOXA	1		2	1	1	1	6	5	2.53	42.19	1.00	.632	.34	1.66
9 THARYX ANNULOSUS	2				1	3	6	3	2.53	44.73	1.00	1.265	-.33	2.33
10 NINOE NIGRIPES			2			3	5	2	2.11	46.84	.83	1.329	-.56	2.23
11 PARAPHRIONOSPID PINNATA	1	1			1	2	5	4	2.11	48.95	.83	.753	.04	1.62
12 GLYCERA TESSELATA			3		1	1	5	3	2.11	51.05	.83	1.169	-.39	2.06
13 SYLLIS SPC		1	2		1	1	5	4	2.11	53.16	.83	.753	.04	1.62
14 VOLVOLELLA TEXASIANA			1		3	1	5	3	2.11	55.27	.83	1.169	-.39	2.06
15 SPIONIDAE			1			3	4	2	1.69	56.96	.67	1.211	-.60	1.94
16 ALIENOCHELATA SPA			1		1	2	4	3	1.69	58.65	.67	.816	-.19	1.52
17 TANAID SPA			1		2	1	4	3	1.69	60.34	.67	.816	-.19	1.52
18 OLIGOCHAETA	4						4	1	1.69	62.03	.67	1.633	-1.05	2.38
19 OPHIURIDAE	1	1	1			1	4	4	1.69	63.71	.67	.516	-.12	1.21
20 SAKSIELLA CF GREYI		1			2	1	4	3	1.69	65.40	.67	.816	-.19	1.52
21 XEMANTHURA BREVITELSON		1	1		2		4	3	1.69	67.09	.67	.816	-.19	1.52
22 DRYZOA	1		1			1	3	3	1.27	68.35	.50	.548	-.07	1.07
23 DENTALIUM SOWERBYI						3	3	1	1.27	69.62	.50	1.225	-.79	1.79
24 PITAK CURVATUS	1					2	3	2	1.27	70.89	.50	.837	-.38	1.38
25 AMYGDALUM PAPYRUM	1	1		1			3	3	1.27	72.15	.50	.548	-.07	1.07
26 NEMPTIIDAE			1		1	1	3	3	1.27	73.42	.50	.548	-.07	1.07
27 LUMBINERIS PARVAPDATA		1			1	1	3	3	1.27	74.68	.50	.548	-.07	1.07
28 AMPHARETIDAE	2	1					3	2	1.27	75.95	.50	.837	-.38	1.38
29 AMPELISCA SPA			1			2	3	2	1.27	77.22	.50	.837	-.38	1.38
30 PANAONIS SPA	1	1			1		3	3	1.27	78.48	.50	.548	-.07	1.07
31 PHILOMEDES SPA			2		1		3	2	1.27	79.75	.50	.837	-.38	1.38
32 STERNASPIS SCUTATA		1	1		1		3	3	1.27	81.01	.50	.548	-.07	1.07
33 HETEROPHOXUS CF OCULATUS				1	1	1	3	3	1.27	82.28	.50	.548	-.07	1.07
34 SCUTOPUS SPA		1			1		2	2	.84	83.12	.33	.516	-.21	.88
35 PUECILCHAETUS JOHNSONI			1	1			2	2	.84	83.97	.33	.516	-.21	.88
36 THYASINA PYGMAEA	1					1	2	2	.84	84.81	.33	.516	-.21	.88
37 VENTICORDIA ORNATA		1			1		2	2	.84	85.65	.33	.516	-.21	.88
38 AGLAOPHAMUS CIRCINATA	1				1		2	2	.84	86.50	.33	.516	-.21	.88
39 BUCULANA ACUTA			1			1	2	2	.84	87.34	.33	.516	-.21	.88
40 DIPLOCIRRUS SP						2	2	1	.84	88.19	.33	.816	-.52	1.19
41 AMPHODIA MACULATA		1			1		2	2	.84	89.03	.33	.516	-.21	.88
42 BYLLIS CF AFFINIS	1			1			2	2	.84	89.87	.33	.516	-.21	.88
43 MALDANIDAE				1			1	1	.42	90.30	.17	.408	-.26	.60
44 CUMACEAN SPE					1		1	1	.42	90.72	.17	.408	-.26	.60
45 EUPANTHALIS KINBERGI		1					1	1	.42	91.14	.17	.408	-.26	.60
46 GYPTIS VIITAJA						1	1	1	.42	91.56	.17	.408	-.26	.60
47 CUMACEAN		1					1	1	.42	91.98	.17	.408	-.26	.60
48 NEMPTYS INCISA					1		1	1	.42	92.41	.17	.408	-.26	.60
49 OHELIA SPA					1		1	1	.42	92.83	.17	.408	-.26	.60
50 SILYONIA DORSALIS					1		1	1	.42	93.25	.17	.408	-.26	.60
51 OROPHIDAE			1				1	1	.42	93.67	.17	.408	-.26	.60
52 VENERIDAE			1				1	1	.42	94.09	.17	.408	-.26	.60
53 SABELLIDAE	1						1	1	.42	94.51	.17	.408	-.26	.60
54 AMPHARETE ACUTIFRONS		1					1	1	.42	94.94	.17	.408	-.26	.60

55	EXOGONE SP	1			1	1	.42	95.36	.17	.408	-.26	.60
56	PRIONOSPID STEENSTRUPI		1		1	1	.42	95.78	.17	.408	-.26	.60
57	TEREBELLIDES STROEMII		1		1	1	.42	96.20	.17	.408	-.26	.60
58	SPIOCHAETOPTERUS COSTARUM			1	1	1	.42	96.62	.17	.408	-.26	.60
59	CALASTACUS OXYPLEURA		1		1	1	.42	97.05	.17	.408	-.26	.60
60	POLYCHAETAE SPA		1		1	1	.42	97.47	.17	.408	-.26	.60
61	MAGELONA PETTIBONEAE	1			1	1	.42	97.89	.17	.408	-.26	.60
62	SANGUINULARIA SANGUINOLENTA		1		1	1	.42	98.31	.17	.408	-.26	.60
63	EUCHONE ROSEA	1			1	1	.42	98.73	.17	.408	-.26	.60
64	SCAPHANDER WATSONI			1	1	1	.42	99.16	.17	.408	-.26	.60
65	SPIOPHANES WIGLEYI			1	1	1	.42	99.58	.17	.408	-.26	.60
66	HYDROZOA	1			1	1	.42	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	20	19	32	9	26	33	
NO. OF INDIVIDUALS	37	30	51	13	38	68	237

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	1	66	237	5.3616	.9608	.9545

STATION 4 TRANSECT I PERIOD 77FALL

SPECIES	REPLICATE						TOTAL					95 PCT		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF	LIM
1 SIPHUNCULA	48	34	193	114	152	39	588	6	27.06	27.06	96.67	66.720	26.63	166.71
2 MAGELONA PHYLLISAE		79	131	94	115	132	551	5	25.71	52.78	91.83	49.572	39.80	143.86
3 PARAPRIONOSPIO PINNATA	50	29	35	50	33	35	232	6	10.83	63.60	38.67	9.040	29.17	40.16
4 LUMBRINERIS PARVAPEDATA	19	33	35	38	10	31	166	6	7.75	71.35	27.67	10.830	16.29	39.04
5 MAGELONA LONGICORNIS	95						95	1	4.43	75.70	15.83	38.784	-24.87	56.54
6 MEDIUMASTUS CALIFORNIENSIS	8	3	19	16	2	30	78	6	3.64	79.42	13.00	10.770	1.70	24.30
7 NEMERTINEA	5	9	7	16	9	26	72	6	3.36	82.70	12.00	7.797	3.82	20.18
8 NEREID(NICON) SPA	5	7	5	6	7	9	39	6	1.82	84.60	6.50	1.517	4.91	8.09
9 NINOE BIRIPES	6	5	8	9	2	2	32	6	1.49	86.09	5.33	2.944	2.24	8.42
10 PARANIS GRACILIS	1	3	3	2	5	9	23	6	1.07	87.17	3.83	2.858	.83	6.83
11 ASYCHIS SP	1	1	6	3	7	1	19	6	.89	88.05	3.17	2.714	.32	6.02
12 LUMBRINERIS TENUIS	2	3	6	4	4	2	17	5	.79	88.85	2.83	2.041	.69	4.98
13 MAGELONA ROSA	5	2	2	2	4		15	5	.70	89.55	2.50	1.761	.65	4.35
14 ARICIDEA CF FRAGILIS	2	3	1	3	2	4	15	6	.70	90.25	2.50	1.049	1.40	3.60
15 OPHIURIDEA	1	1		7		6	15	4	.70	90.95	2.50	3.146	-.80	5.80
16 SIGAMBRA TENTACULATA	2	2		2	6	2	14	5	.65	91.60	2.33	1.966	.27	4.40
17 COSSURA DELTA	1		3	2	3	2	11	5	.51	92.11	1.83	1.169	.61	3.06
18 MALDAVIDAE	1	3	2	1	3	1	11	6	.51	92.63	1.83	.983	.80	2.87
19 NUCULANA CONCENTRICA		5	4			1	10	3	.47	93.09	1.67	2.251	-.70	4.03
20 ARICIDEA TAYLORI	2	2		2	1	2	9	5	.42	93.51	1.50	.837	.62	2.38
21 PARANIDAE	1		4	2	2		9	4	.42	93.93	1.50	1.517	-.09	3.09
22 SPIRIDAE			9				9	1	.42	94.35	1.50	3.674	-2.36	5.36
23 POLYCHAETE SPA	3	2	1			1	7	4	.33	94.68	1.17	1.169	-.06	2.39
24 SCOLOPLUS RUBRA	1		3			2	6	3	.28	94.96	1.00	1.265	-.33	2.33
25 GLYCERA AMERICANA	2		3	1			6	3	.28	95.24	1.00	1.265	-.33	2.33
26 PINNOTHERIDAE	1	2	1	1		1	6	5	.28	95.52	1.00	.632	.34	1.66
27 CORIOLA SWIFTIANA	1		1		2	2	6	4	.28	95.80	1.00	.898	.06	1.94
28 NUCULANA ACUTA	2				1	3	6	3	.28	96.08	1.00	1.265	-.33	2.33
29 GYPTIS VITTATA		1	1			3	5	3	.23	96.31	.83	1.169	-.39	2.06
30 MAGELONA PETTINONEAE		2				2	4	2	.19	96.50	.67	1.033	-.42	1.75
31 CANIRA INCERTA			1			3	4	2	.19	96.69	.67	1.211	-.60	1.94
32 CIRROPHORUS LYRIFORMIS				2	2		4	2	.19	96.87	.67	1.033	-.42	1.75
33 TUBONILLA PORTORICANA	2					1	3	2	.14	97.01	.50	.837	-.38	1.38
34 TELLINA VESICOLOR	1		1			1	3	3	.14	97.15	.50	.548	-.07	1.07
35 AGLAOPHAMUS CIRCINATA		1				2	3	2	.14	97.29	.50	.837	-.38	1.38
36 THARYX MARIUMI		2		1			3	2	.14	97.43	.50	.837	-.38	1.38
37 GATTYANA NUTTI	1				1	1	3	3	.14	97.57	.50	.548	-.07	1.07
38 RENILLA MULLERI	1		1			1	3	3	.14	97.71	.50	.548	-.07	1.07
39 ANCISTROSYLLIS PAPILLOSA	1	1				1	3	3	.14	97.85	.50	.548	-.07	1.07
40 PARANIDES LYRA		1	1				2	2	.09	97.95	.33	.516	-.21	.88
41 AGLAOPHAMUS VERRILLI		1			1		2	2	.09	98.04	.33	.516	-.21	.88
42 AMPHARETE AMERICANA						2	2	1	.09	98.13	.33	.816	-.52	1.19
43 LUCINA AMIANTUS		2					2	1	.09	98.23	.33	.816	-.52	1.19
44 ARVA AENUALIS		1				1	2	2	.09	98.32	.33	.516	-.21	.88
45 NATICA CANKANA		1				1	2	2	.09	98.41	.33	.516	-.21	.88
46 SINEBELAIS HOA			1	1			2	2	.09	98.51	.33	.516	-.21	.88
47 DIOPATRA CUPREA			1	1			2	2	.09	98.60	.33	.516	-.21	.88
48 AMPELLISCA AGASSIZI			1	1			2	2	.09	98.69	.33	.516	-.21	.88
49 OXYUROSTYLIS SP			1			1	2	2	.09	98.79	.33	.516	-.21	.88
50 COROPHIUM ASCHEMUSICUM						1	1	1	.05	98.83	.17	.408	-.26	.60
51 SAMELLIDAE						1	1	1	.05	98.88	.17	.408	-.26	.60
52 NOELIA PONDEROSA				1			1	1	.05	98.93	.17	.408	-.26	.60
53 PERSEPHONA CRINITA				1			1	1	.05	98.97	.17	.408	-.26	.60
54 SQUILLA SP				1			1	1	.05	99.02	.17	.408	-.26	.60

55	SIGALIONIDAE		1		1	1	.05	99.07	.17	.408	-.26	.60
56	STHENOLEPIS CF JAPONICA				1	1	.05	99.11	.17	.408	-.26	.60
57	AEDICIRA BELGICAE			1		1	.05	99.16	.17	.408	-.26	.60
58	HYDROZOA				1	1	.05	99.21	.17	.408	-.26	.60
59	OPHIODROMUS OBSCURUS		1			1	.05	99.25	.17	.408	-.26	.60
60	NEPHYS PICTA		1			1	.05	99.30	.17	.408	-.26	.60
61	NEKEID SPA		1			1	.05	99.35	.17	.408	-.26	.60
62	OBELIA SPA			1		1	.05	99.39	.17	.408	-.26	.60
63	MINUSPIO CIRRIFERA				1	1	.05	99.44	.17	.408	-.26	.60
64	SPIDICHAEOPTERUS COSTANUM				1	1	.05	99.49	.17	.408	-.26	.60
65	CALAPPIDAE		1			1	.05	99.53	.17	.408	-.26	.60
66	SICYONIA DORSALIS		1			1	.05	99.58	.17	.408	-.26	.60
67	SCHISTONERINGS RUDDLPHI		1			1	.05	99.63	.17	.408	-.26	.60
68	ARICIDEA JEFFREYSII			1		1	.05	99.67	.17	.408	-.26	.60
69	POLYCHAETA				1	1	.05	99.72	.17	.408	-.26	.60
70	ACEIES AMERICANA		1			1	.05	99.77	.17	.408	-.26	.60
71	ANCISTROSYLLIS JUNESI		1			1	.05	99.81	.17	.408	-.26	.60
72	MAJIDAE				1	1	.05	99.86	.17	.408	-.26	.60
73	DIOPATRA CF NEOFIDENS			1		1	.05	99.91	.17	.408	-.26	.60
74	NEPHYIDAE		1			1	.05	99.95	.17	.408	-.26	.60
75	ZOANTHARIA			1		1	.05	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES		33	31	35	32	27	44	
NO. OF INDIVIDUALS		274	242	494	384	378	371	2143

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	1	75	2143	3.5220	.8377	.2267

STATION 5 TRANSECT I PERIOD 77FALL

SPECIES	REPLICATE						TOTAL					STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		CONF	LIM
1 PITAR CORDATUS	3	1	4	3	8	10	29	6	11.79	11.79	4.83	3.430	1.23	8.43
2 PARADIS SPA	2	11	2	3	1	10	29	6	11.79	23.58	4.83	4.446	.17	9.50
3 NEPHTYS INCISA	3	4	1	2	3	2	15	6	6.10	29.67	2.50	1.049	1.40	3.60
4 PARADIS GRACILIS	1	7	3	2	2		15	5	6.10	35.77	2.50	2.429	-.05	5.05
5 SIGAMBRA TENTACULATA		4	2	1	2	3	12	5	4.88	40.65	2.00	1.414	.52	3.48
6 NEMERTINEA	4	2	2	2	1		11	5	4.47	45.12	1.83	1.329	.44	3.23
7 CUSSOMA DELTA	2	2			2	3	9	4	3.66	48.78	1.50	1.225	.21	2.79
8 SCUTOPOUS SPA	2	4					6	2	2.44	51.22	1.00	1.673	-.76	2.76
9 SIPUNCULA		4			2		6	2	2.44	53.66	1.00	1.673	-.76	2.76
10 LUMBRINERIS PARVAPEDATA	1	2				2	5	3	2.03	55.69	.83	.983	-.20	1.87
11 PARAPRIONOSPIO PINNATA			1	1	3		5	3	2.03	57.72	.83	1.169	-.39	2.06
12 VULVULELLA TEXASIANA			1	1	2	1	5	4	2.03	59.76	.83	.753	.84	1.62
13 TELLINA VERSICOLOR	2	1			1		4	3	1.63	61.38	.67	.816	-.19	1.52
14 OPHTHURIDEA	1	1				2	4	3	1.63	63.01	.67	.816	-.19	1.52
15 HIPPOMEDON CF SERRATUS		1			2	1	4	3	1.63	64.63	.67	.816	-.19	1.52
16 SOLEMYA SPA		1	1			1	3	3	1.22	65.85	.50	.548	-.07	1.07
17 THARYX MARIONI			1	1	1		3	3	1.22	67.07	.50	.548	-.07	1.07
18 MEGALOMA CF QUADRIOCULATUM			3				3	1	1.22	68.29	.50	1.225	-.79	1.79
19 STEPHASPID SCUTATA	1	1	1				3	3	1.22	69.51	.50	.548	-.07	1.07
20 MAGELONA LONGICORNIS				1	1	1	3	3	1.22	70.73	.50	.548	-.07	1.07
21 EXOGONE DISPAR				2	1		3	2	1.22	71.95	.50	.837	-.38	1.38
22 DENTALIUM SP				1	2		3	2	1.22	73.17	.50	.837	-.38	1.38
23 AMPELISCA SPA	1				1	1	3	3	1.22	74.39	.50	.548	-.07	1.07
24 VARICORNULA DISPARILIS		1			1		2	2	.81	75.20	.33	.516	-.21	.88
25 NEPHTYIDAE					1	1	2	2	.81	76.02	.33	.516	-.21	.88
26 GLOTTIDIA PYRAMIDATA		2					2	1	.81	76.83	.33	.816	-.52	1.19
27 ASYCHIS ELONGATA			1			1	2	2	.81	77.64	.33	.516	-.21	.88
28 HARKANSUS PAUCICHELATUS						2	2	1	.81	78.46	.33	.816	-.52	1.19
29 CALIFIA CF CALIDA				2			2	1	.81	79.27	.33	.816	-.52	1.19
30 THARYX ANNULUSUS		1	1				2	2	.81	80.08	.33	.516	-.21	.88
31 PARANOIDEA	1				1		2	2	.81	80.89	.33	.516	-.21	.88
32 MALDANIDAE	2						2	1	.81	81.71	.33	.816	-.52	1.19
33 BYLLIS CF AFFINIS		1			1		2	2	.81	82.52	.33	.516	-.21	.88
34 AMPHARETE AMERICANA			1				1	1	.41	82.93	.17	.408	-.26	.60
35 EUPANTHALIS KINBERGI			1				1	1	.41	83.33	.17	.408	-.26	.60
36 POLYDONTES LUPINA			1				1	1	.41	83.74	.17	.408	-.26	.60
37 SCOLELEPIS TEXANA			1				1	1	.41	84.15	.17	.408	-.26	.60
38 MARPHYSA SPD	1						1	1	.41	84.55	.17	.408	-.26	.60
39 CRASSINELLA MARTINICENSIS					1		1	1	.41	84.96	.17	.408	-.26	.60
40 ARMANDIA MACULATA						1	1	1	.41	85.37	.17	.408	-.26	.60
41 DINDE NIGRIPES					1		1	1	.41	85.77	.17	.408	-.26	.60
42 GONJADA NORVEGICA			1				1	1	.41	86.18	.17	.408	-.26	.60
43 LUMBRINERIS ALMIDENTATA	1						1	1	.41	86.59	.17	.408	-.26	.60
44 CUMACEAN SPE				1			1	1	.41	86.99	.17	.408	-.26	.60
45 EUCHONE RUISEA					1		1	1	.41	87.40	.17	.408	-.26	.60
46 OSTIACOD SPD	1						1	1	.41	87.80	.17	.408	-.26	.60
47 NUCULANA ACUTA		1					1	1	.41	88.21	.17	.408	-.26	.60
48 AMYGDALUM PAPHIRUM						1	1	1	.41	88.62	.17	.408	-.26	.60
49 AMPELISCA VERRILLI			1				1	1	.41	89.02	.17	.408	-.26	.60
50 SPHAEROSYLLIS CF SUBLAFVIS						1	1	1	.41	89.43	.17	.408	-.26	.60
51 SPIOPHARES LONGICIRRUS					1		1	1	.41	89.84	.17	.408	-.26	.60
52 SPIRIDAE		1					1	1	.41	90.24	.17	.408	-.26	.60
53 LUMBRINERIS SP	1						1	1	.41	90.65	.17	.408	-.26	.60
54 MAGELONA PHYLLISAE		1					1	1	.41	91.06	.17	.408	-.26	.60

55	PALEANDIUS HETEROSEIA				1	1	1	.41	91.46	.17	.408	-.26	.60
56	CALASIACUS OXYPLEURA					1	1	.41	91.87	.17	.408	-.26	.60
57	OROPHIDAE	1				1	1	.41	92.28	.17	.408	-.26	.60
58	SPHAERODORIUM CLAPAREDII				1	1	1	.41	92.68	.17	.408	-.26	.60
59	STENOLEPIS CF JAPONICA				1	1	1	.41	93.09	.17	.408	-.26	.60
60	STENOLEPIS BOA			1		1	1	.41	93.50	.17	.408	-.26	.60
61	PRIONOSPILUS STEENSTRUPI				1	1	1	.41	93.90	.17	.408	-.26	.60
62	TRICHELLIDES STROEMII				1	1	1	.41	94.31	.17	.408	-.26	.60
63	FLABELLIGERIDAE					1	1	.41	94.72	.17	.408	-.26	.60
64	NATICIDAE			1			1	.41	95.12	.17	.408	-.26	.60
65	NOTOMASTUS LATERICEUS				1	1	1	.41	95.53	.17	.408	-.26	.60
66	SABELLIDAE	1				1	1	.41	95.93	.17	.408	-.26	.60
67	NOTOMASTUS CALIFORNIENSIS			1		1	1	.41	96.34	.17	.408	-.26	.60
68	LUMBRINERIS TENUIS				1	1	1	.41	96.75	.17	.408	-.26	.60
69	POTAMILLA RENIFORMIS			1		1	1	.41	97.15	.17	.408	-.26	.60
70	OBELIA SPA			1		1	1	.41	97.56	.17	.408	-.26	.60
71	EUDORELLA MUNDON					1	1	.41	97.97	.17	.408	-.26	.60
72	MARPHYSA SPA			1		1	1	.41	98.37	.17	.408	-.26	.60
73	THYASINA SPA			1		1	1	.41	98.78	.17	.408	-.26	.60
74	CHLORIA VIRIDIS			1		1	1	.41	99.19	.17	.408	-.26	.60
75	HYALA SPA			1		1	1	.41	99.59	.17	.408	-.26	.60
76	CHUKHILA SWIFTIANA			1		1	1	.41	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	19	26	24	16	32	22	
NO. OF INDIVIDUALS	31	58	35	24	50	48	246

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	1	76	246	5.2827	.9572	.7763

STATION 6 TRANSECT 1 PERIOD 7/FALL

SPECIES	REPLICATE						TOTAL					95 PCT		
	1	2	3	4	5	6	AROUND	UCLUR	PERCENT	ACC PCT	MEAN	STD	CONF	LJM
1 SIPUNCULA	11	6	6	24	6	5	54	6	20.42	20.42	9.67	7.339	1.96	17.37
2 PARANONIS GRACILIS	3		2	5	2	3	15	5	5.28	25.70	2.50	1.643	.78	4.22
3 THARYX MARIQUI	1			1		12	14	3	4.93	30.63	2.33	4.761	-2.66	7.33
4 DENTALINA SOWERBYI	1		4		7		12	3	4.23	34.86	2.00	2.898	-1.04	5.04
5 COSSUNA DELTA	3	2	1	2	3		11	5	3.87	38.73	1.83	1.169	.61	3.06
6 NEMERTINEA	6	3	1	1	1		11	4	3.87	42.61	1.83	2.317	-.60	4.26
7 PARALACYDONIA PARADIXA	1		3	1	3	3	11	5	3.87	46.48	1.83	1.329	.44	3.23
8 PELTAU CORDATUS					6	3	9	2	3.17	49.65	1.50	2.510	-1.13	4.13
9 THARYX ANNULOSUS			1	1		6	8	3	2.82	52.46	1.33	2.338	-1.12	3.79
10 ALTERNOCHELATA SPA	1	1	2	1	2		7	5	2.46	54.93	1.17	.753	.38	1.96
11 SIGAMBRA TENTACULATA	3	1	1			1	6	4	2.11	57.04	1.00	1.895	-.15	2.15
12 ARMANDIA MACULATA	3			1	1		5	3	1.76	58.80	.83	1.169	-.39	2.06
13 PARAPHTONOSPID PENNATA					5		5	1	1.76	60.56	.83	2.041	-1.31	2.98
14 PHORONIDA					2	3	5	2	1.76	62.32	.83	1.329	-.56	2.23
15 ONUPIS SPH			1	1	1	1	4	4	1.41	63.73	.67	.516	.12	1.21
16 TEREBELLIDAE STROEMII	1			1	2		4	3	1.41	65.14	.67	.816	-.19	1.52
17 AMPHARETIIDAE				1	1	2	4	3	1.41	66.55	.67	.816	-.19	1.52
18 SCUTOPIUS SPA	1				3		4	2	1.41	67.96	.67	1.211	-.60	1.94
19 AMYGDALUM PAPHYRUM					3		3	1	1.06	69.01	.50	1.225	-.79	1.79
20 GNATHIA SP	1		2				3	2	1.06	70.07	.50	.837	-.38	1.38
21 THYASIRA SPA	1			1	1		3	3	1.06	71.13	.50	.548	-.47	1.07
22 SOLEMYA SPA	2				1		3	2	1.06	72.18	.50	.837	-.38	1.38
23 POLYCHAETE SPA				1		2	3	2	1.06	73.24	.50	.837	-.38	1.38
24 GYPTIS VILVATA					3		3	1	1.06	74.30	.50	1.225	-.79	1.79
25 NEPHTYS INCISA			1	1	1		3	3	1.06	75.35	.50	.548	-.47	1.07
26 PARANONIAE	1	1					2	2	.70	76.40	.33	.516	-.21	.88
27 NEPHTYIDAE	1					1	2	2	.70	76.76	.33	.516	-.21	.88
28 OPHIURIDAE					2		2	1	.70	77.46	.33	.816	-.52	1.19
29 SIENNASPIS SCUTATA			1		1		2	2	.70	78.17	.33	.516	-.21	.88
30 SPIOPHONES WIGLEYI					1	1	2	2	.70	78.87	.33	.516	-.21	.88
31 GLYCERA TESSFLATA	1		1				2	2	.70	79.58	.33	.516	-.21	.88
32 VULVULELLA TEXASIANA			1			1	2	2	.70	80.28	.33	.516	-.21	.88
33 AMPELISCA SPA						2	2	1	.70	80.99	.33	.816	-.52	1.19
34 ONUPIDAE				1	1		2	2	.70	81.69	.33	.516	-.21	.88
35 TELLENA VERTICOLOR	1				1		2	2	.70	82.39	.33	.516	-.21	.88
36 ONUPIS SPA		1			1		2	2	.70	83.10	.33	.516	-.21	.88
37 SABELLIDAE	2						2	1	.70	83.80	.33	.816	-.52	1.19
38 PARANPHINOME PULCHRELLA				1			1	1	.35	84.15	.17	.408	-.26	.60
39 CIRRATULIDAE	1						1	1	.35	84.51	.17	.408	-.26	.60
40 DUCIOLA SERRATA					1		1	1	.35	84.86	.17	.408	-.26	.60
41 PRIONOSPID STEPHENROPI					1		1	1	.35	85.21	.17	.408	-.26	.60
42 SAMYTHELLA ELIASONI				1			1	1	.35	85.56	.17	.408	-.26	.60
43 LUMBRINERIS PARVAPEDATA				1			1	1	.35	85.92	.17	.408	-.26	.60
44 SIGAMBRA HASSI		1					1	1	.35	86.27	.17	.408	-.26	.60
45 SYLLIS SPH					1		1	1	.35	86.62	.17	.408	-.26	.60
46 EPITONIUM NOVANGLIAE			1				1	1	.35	86.97	.17	.408	-.26	.60
47 TURRIDAE			1				1	1	.35	87.32	.17	.408	-.26	.60
48 CHAETIDZORE GAYHEADIA						1	1	1	.35	87.68	.17	.408	-.26	.60
49 CURDULA SWIFTIANA					1		1	1	.35	88.03	.17	.408	-.26	.60
50 CAPTELLIDAE			1				1	1	.35	88.38	.17	.408	-.26	.60
51 SYLLIS SPC	1						1	1	.35	88.73	.17	.408	-.26	.60
52 MAGELLONIDAE				1			1	1	.35	89.08	.17	.408	-.26	.60
53 PHYLLODOCE MUCOSA				1			1	1	.35	89.44	.17	.408	-.26	.60
54 CHLORIA VIRIDIS					1		1	1	.35	89.79	.17	.408	-.26	.60

55	GONIADA MACULATA		1	1	1	.35	90.14	.17	.408	-.26	.60
56	PILARGIIDAE	1		1	1	.35	90.49	.17	.408	-.26	.60
57	EUPANTHAIIS KINBERGI		1	1	1	.35	90.85	.17	.408	-.26	.60
58	NERFIS SPA	1		1	1	.35	91.20	.17	.408	-.26	.60
59	EULIMA HIFASCJATA	1		1	1	.35	91.55	.17	.408	-.26	.60
60	MEGALOMMA CF QUADRIOCOLATUM		1	1	1	.35	91.90	.17	.408	-.26	.60
61	COGACEAD		1	1	1	.35	92.25	.17	.408	-.26	.60
62	BOCULANA ACUTA	1		1	1	.35	92.61	.17	.408	-.26	.60
63	SPIOPHARES LONGICIRROS		1	1	1	.35	92.96	.17	.408	-.26	.60
64	LEPTOSTYLIS SP		1	1	1	.35	93.31	.17	.408	-.26	.60
65	TEREBELLIDAE		1	1	1	.35	93.66	.17	.408	-.26	.60
66	POLYCIRROS SPA		1	1	1	.35	94.01	.17	.408	-.26	.60
67	HYALA SPA		1	1	1	.35	94.37	.17	.408	-.26	.60
68	NEROE NIGRIPES	1		1	1	.35	94.72	.17	.408	-.26	.60
69	BYLLIS CF AFFINIS	1		1	1	.35	95.07	.17	.408	-.26	.60
70	SPHAERODORIDIA CLAPAREDII		1	1	1	.35	95.42	.17	.408	-.26	.60
71	NATICA CANRENA		1	1	1	.35	95.77	.17	.408	-.26	.60
72	ARLSTROSTYLIS GROENLANDICA	1		1	1	.35	96.13	.17	.408	-.26	.60
73	SPIONIDAE		1	1	1	.35	96.48	.17	.408	-.26	.60
74	ARTHROID SPH	1		1	1	.35	96.83	.17	.408	-.26	.60
75	NOTOMASTUS AMERICANUS		1	1	1	.35	97.18	.17	.408	-.26	.60
76	MAGELONA ROSEA		1	1	1	.35	97.54	.17	.408	-.26	.60
77	BEREIDONICID SPA	1		1	1	.35	97.89	.17	.408	-.26	.60
78	NOTOMASTUS CF LATERICEUS		1	1	1	.35	98.24	.17	.408	-.26	.60
79	ERIOPIISA INCISA		1	1	1	.35	98.59	.17	.408	-.26	.60
80	CALLIANASSA LATISPINA	1		1	1	.35	98.94	.17	.408	-.26	.60
81	MAGELONA PETTIBONEAE		1	1	1	.35	99.30	.17	.408	-.26	.60
82	POPCILOCHAETUS JOHNSONI		1	1	1	.35	99.65	.17	.408	-.26	.60
83	CHASMOCARCINUS MISSISSIPPIENSIS	1		1	1	.35	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	26	18	19	26	42	21
NO. OF INDIVIDUALS	51	18	32	50	77	52
						284

STATION	TRAJECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	1	83	284	5.2688	.9456	.7108

STATION I TRANSECT II PERIOD 77FALL

SPECIES	REPLICATE						TOTAL					STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		CONF	LIM
1 PARAPRIONOSPLO PEJDATA	74	17	23	63	10	40	227	6	70.28	70.28	37.83	25.900	10.56	65.10
2 ARNANIA MACULATA	2	3		9		1	15	4	4.64	74.92	2.50	3.391	-1.06	6.06
3 NEMERTINEA	1		6	1	3	3	14	5	4.33	79.26	2.33	2.160	.07	4.60
4 MAGELONA PHYLLISAE	1	3	1	2	1	3	11	6	3.41	82.66	1.83	.983	.00	2.87
5 MEDIOASTUS CALIFORNIENSIS			4	2	1	2	10	5	3.10	85.76	1.67	1.366	.23	3.10
6 NEREIDIDICION SPA	2	1	1	1		2	7	5	2.17	87.93	1.17	.753	.30	1.96
7 VITRINELLA FLORIDANA	0					1	5	2	1.55	89.47	.83	1.602	-.05	2.51
8 MAGELONA ROSEA		1		1		1	3	3	.93	90.40	.50	.548	-.07	1.07
9 MAGELONA LONGICORNIS				2		1	3	2	.93	91.33	.50	.837	-.38	1.38
10 APELISCA AGASSIZI		1		2			3	2	.93	92.26	.50	.837	-.38	1.38
11 SIGAMBRA TENTACULATA			1	1			2	2	.62	92.88	.33	.516	-.21	.80
12 NOTOMASTUS CF LATERICEUS	1	1					2	2	.62	93.50	.33	.516	-.21	.80
13 COSSUNA DELTA						2	2	1	.62	94.12	.33	.816	-.52	1.19
14 ADRA AEGUALIS			1				1	1	.31	94.43	.17	.408	-.26	.60
15 CERTANTHARIA			1				1	1	.31	94.74	.17	.408	-.26	.60
16 ORUPHIS SPD	1						1	1	.31	95.05	.17	.408	-.26	.60
17 NEMPHYS INCISA		1					1	1	.31	95.36	.17	.408	-.26	.60
18 ANGISTRUSYLLIS JONESI	1						1	1	.31	95.67	.17	.408	-.26	.60
19 GONEPLACIDAE						1	1	1	.31	95.98	.17	.408	-.26	.60
20 ANGISTRUSYLLIS PAPILLOSA	1						1	1	.31	96.28	.17	.408	-.26	.60
21 GYPHIS VITTATA						1	1	1	.31	96.59	.17	.408	-.26	.60
22 APELISCA VERRILLI	1						1	1	.31	96.90	.17	.408	-.26	.60
23 SPIDRIDAE					1		1	1	.31	97.21	.17	.408	-.26	.60
24 ANICIDOA CF FRAGILIS	1						1	1	.31	97.52	.17	.408	-.26	.60
25 LUMBRINERIS PARVAPEDATA						1	1	1	.31	97.83	.17	.408	-.26	.60
26 NINOE NIGRIPES						1	1	1	.31	98.14	.17	.408	-.26	.60
27 SIGAMBRA BASSI						1	1	1	.31	98.45	.17	.408	-.26	.60
28 LISTRIELLA HARNARDI				1			1	1	.31	98.76	.17	.408	-.26	.60
29 PIPIDIDAE			1				1	1	.31	99.07	.17	.408	-.26	.60
30 SIPUNCULA					1		1	1	.31	99.38	.17	.408	-.26	.60
31 REGILLA MOLLERI				1			1	1	.31	99.69	.17	.408	-.26	.60
32 OCELLIA SPA	1						1	1	.31	100.00	.17	.408	-.26	.60

NO. OF SPECIES 13 9 8 13 7 14
 NO. OF INDIVIDUALS 91 32 36 86 19 59 323

STATION I TRANSECT II SPECIES 32 INDIVIDUALS 323 DIVERSITY 2.1119 PIE .5002 EQUILIBIABILITY .1875

STATION 2 TRANSECT 11 PERIOD 77FALL

SPECIES	REPLICATE						TOTAL					95 PCT		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF	LIM
1 PARANIS SPA	10	7	16	16	12	10	71	6	16.36	16.36	11.83	3.601	8.05	15.61
2 PARAPRIONOSPID PINNATA	17	13	4	4	17	11	66	6	15.21	31.57	11.00	5.899	4.81	17.19
3 SPIONIDAE	5	12	4	1	8	16	46	6	10.60	42.17	7.67	5.538	1.85	13.48
4 MAGELONA LONGICORNIS	2	5	4	3	3	9	26	6	5.99	48.16	4.33	2.503	1.71	6.96
5 COSSURA DELTA	1	1	3	7		7	19	5	4.38	52.53	3.17	3.125	-0.11	6.45
6 PARANIS GRACILIS	2	5	2	3	3	3	18	6	4.15	56.68	3.00	1.095	1.85	4.15
7 NEMERTINEA	5	1	4	3	1	3	17	6	3.92	60.60	2.83	1.602	1.15	4.51
8 NEPHTYS INCISA	3	6	4		4		17	4	3.92	64.52	2.83	2.401	.31	5.35
9 LUMBRINERIS PARVAPDATA	5	1	1	3	1	5	16	6	3.69	68.20	2.67	1.966	.60	4.73
10 MEDIOMASTIUS CALIFORNIENSIS	2	1	2	5	1	3	14	6	3.23	71.43	2.33	1.506	.75	3.91
11 CURBULA SWIFTIANA	5	4	2	1	1		13	5	3.00	74.42	2.17	1.941	.13	4.20
12 NEPHTYIDAE				6		3	9	2	2.07	76.50	1.50	2.510	-1.13	4.13
13 KALLIAPSEUDES SPA	1	3		1		1	6	4	1.38	77.88	1.00	1.095	-0.15	2.15
14 VOLVULELLA TEXASIANA	1	2		1	2		6	4	1.38	79.26	1.00	.894	.06	1.94
15 THARYX MARTONI	1	2			1	1	5	4	1.15	80.41	.83	.753	.04	1.62
16 NERFID SPH	1		1	1	1	1	5	5	1.15	81.57	.83	.408	.40	1.26
17 AUTOMATE EVERMANNI	2	1				2	5	3	1.15	82.72	.83	.983	-.20	1.87
18 TELLINA VERSICOLOR			3			2	5	2	1.15	83.87	.83	1.329	-.56	2.23
19 THARYX ANNULOSUS	1		1			2	4	3	.92	84.79	.67	.816	-.19	1.52
20 AMPELISCA VERRILLI	2	1		1			4	3	.92	85.71	.67	.816	-.19	1.52
21 CIRROPHORUS LYRIFORMIS	2	1				2	3	2	.69	86.41	.50	.837	-.38	1.38
22 PARANIDAE			1			2	3	2	.69	87.10	.50	.837	-.38	1.38
23 UPHIROIDEA	2	1					3	2	.69	87.79	.50	.837	-.38	1.38
24 HETEROSPID LONGISSIMA	1	1		1			3	3	.69	88.48	.50	.548	-.07	1.07
25 NINOE NIGRIPES		1		1			2	2	.46	88.94	.33	.516	-.21	.88
26 OPHIOGLYCERA CF DISTORTA		1		1			2	2	.46	89.40	.33	.516	-.21	.88
27 SIGAMBRA TENTACULATA		1			1		2	2	.46	89.86	.33	.516	-.21	.88
28 DIOPATRA SP	1			1			2	2	.46	90.32	.33	.516	-.21	.88
29 APSEUDES SPA		2					2	1	.46	90.78	.33	.816	-.52	1.19
30 AMPELISCA AGASSIZI	1	1					2	2	.46	91.24	.33	.516	-.21	.88
31 AMPELISCA ABDITA	2						2	1	.46	91.71	.33	.816	-.52	1.19
32 CIRROPHORUS BRANCHIATUS				2			2	1	.46	92.17	.33	.816	-.52	1.19
33 ARMANDIA MACULATA						2	2	1	.46	92.63	.33	.816	-.52	1.19
34 ARICIOEA CF FRAGILIS	1						1	1	.23	92.86	.17	.408	-.26	.60
35 MAGELONA ROSEA		1					1	1	.23	93.09	.17	.408	-.26	.60
36 GONIADIDAE		1					1	1	.23	93.32	.17	.408	-.26	.60
37 POLYCHAETE SPA	1						1	1	.23	93.55	.17	.408	-.26	.60
38 ONOPHIS SPA					1		1	1	.23	93.78	.17	.408	-.26	.60
39 NOTUMASTIUS CF LATERICEUS						1	1	1	.23	94.01	.17	.408	-.26	.60
40 EUDORELLA MONODON	1						1	1	.23	94.24	.17	.408	-.26	.60
41 DIPLODONIA CF SOROR		1					1	1	.23	94.47	.17	.408	-.26	.60
42 TERFHELLIDAE	1						1	1	.23	94.70	.17	.408	-.26	.60
43 GONÉPLACIDAE			1				1	1	.23	94.93	.17	.408	-.26	.60
44 MILUSPID LONGIBRANCHIATA				1			1	1	.23	95.16	.17	.408	-.26	.60
45 CIRRHATULID-H	1						1	1	.23	95.39	.17	.408	-.26	.60
46 ANACHIS CALLIGLYPTA		1					1	1	.23	95.62	.17	.408	-.26	.60
47 PARANIDES LYRA					1		1	1	.23	95.85	.17	.408	-.26	.60
48 MALACOCERUS VANDERHUNSTI						1	1	1	.23	96.08	.17	.408	-.26	.60
49 SIGAMBRA BASSI						1	1	1	.23	96.31	.17	.408	-.26	.60
50 PROCESSA HEMPHILLI			1				1	1	.23	96.54	.17	.408	-.26	.60
51 NEREID(NICON) SPA						1	1	1	.23	96.77	.17	.408	-.26	.60
52 LOVENELLA GRANDIS				1			1	1	.23	97.00	.17	.408	-.26	.60
53 SPIOPHARES SPA						1	1	1	.23	97.24	.17	.408	-.26	.60
54 CIRRHATULIDAE	1						1	1	.23	97.47	.17	.408	-.26	.60

55	LAONICE CIRRATA		1		1	1	.23	97.70	.17	.408	-.26	.60
56	SIPUNCULA		1		1	1	.23	97.93	.17	.408	-.26	.60
57	ALPHEUS SP	1			1	1	.23	98.16	.17	.408	-.26	.60
58	MAGELONA PHYLLISAE			1	1	1	.23	98.39	.17	.408	-.26	.60
59	ADHA AEGUALIS	1			1	1	.23	98.62	.17	.408	-.26	.60
60	SCHISTOMERINGOS RUDOLPHI	1			1	1	.23	98.85	.17	.408	-.26	.60
61	DIOPATRA TRIDENTATA			1	1	1	.23	99.08	.17	.408	-.26	.60
62	AUTOMATE SP	1			1	1	.23	99.31	.17	.408	-.26	.60
63	SYLLIS CORNUTA	1			1	1	.23	99.54	.17	.408	-.26	.60
64	ERIOPIA SP			1	1	1	.23	99.77	.17	.408	-.26	.60
65	ARICIDEA CF USCHAKOVI	1			1	1	.23	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	30	35	18	22	18	24	
NO. OF INDIVIDUALS	81	85	55	64	60	89	434

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	II	65	434	4.5502	.9254	.5538

STATION 3 TRANSECT 11 PERIOD 77FALL

SPECIES	REPLICATE						TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
	1	2	3	4	5	6								
1 SANGUINOLARIA SANGUINOLENTA		29					29	1	14.22	14.22	4.83	11.839	-7.59	17.26
2 SIPUNCULA		1	5	1	5	5	17	5	8.33	22.55	2.83	2.401	.31	5.35
3 SIGAMMRA TENTACULATA	2	4	2	2	2		12	5	5.88	28.43	2.88	1.265	.67	3.33
4 PARANIS GRACILIS		2	2	1	2	4	11	5	5.39	33.82	1.83	1.329	.44	3.23
5 NEMERTINEA		3	5	1		1	10	4	4.90	38.73	1.67	1.966	-.40	3.73
6 THARYX MARIONI		5	2		1		8	3	3.92	42.65	1.33	1.966	-.73	3.40
7 THYASIRA PYGMAEA		5	1	1			7	3	3.43	46.88	1.17	1.941	-.87	3.20
8 SARSIELLA CF GREYI	1	1	1		2	2	7	5	3.43	49.51	1.17	.753	.38	1.96
9 PARANIS SPA	1	3	1			1	6	4	2.94	52.45	1.00	1.895	-.15	2.15
10 ERIUPIA INCISA		1	1	4			6	3	2.94	55.39	1.00	1.549	-.63	2.63
11 TETRAGONODON SPA			3			2	5	2	2.45	57.84	.83	1.329	-.56	2.23
12 ARMANDIA MACULATA		1	2			1	4	3	1.96	59.80	.67	.816	-.19	1.52
13 HARMANSIUS PAUCICHELATUS		4					4	1	1.96	61.76	.67	1.633	-1.05	2.38
14 AGLAOPHAMUS CIRCINATA		3		1			4	2	1.96	63.73	.67	1.211	-.68	1.94
15 PARAPRIUNUSPIO PINNATA		1	1			1	3	3	1.47	65.20	.50	.548	-.07	1.07
16 PARALACYDONIA PARADOXA			1	2			3	2	1.47	66.67	.50	.837	-.38	1.38
17 STERNASPIS SCUTATA		2			1		3	2	1.47	68.14	.50	.837	-.38	1.38
18 XENANTHURA BREVITELSON		3					3	1	1.47	69.61	.50	1.225	-.79	1.79
19 CUMACEAN SPF		3					3	1	1.47	71.88	.50	1.225	-.79	1.79
20 CERATOCEPHALE OCOLATA	2						2	1	.98	72.86	.33	.816	-.52	1.19
21 COSSURA DELTA			1	1			2	2	.98	73.84	.33	.516	-.21	.88
22 NINOE NIGRIPES		1	1				2	2	.98	74.82	.33	.516	-.21	.88
23 DIPLOCIRRUS SP			2				2	1	.98	75.80	.33	.816	-.52	1.19
24 SERPULIDAE				2			2	1	.98	75.80	.33	.816	-.52	1.19
25 DENTALIUM SOWERBYI			1			1	2	2	.98	76.96	.33	.516	-.21	.88
26 SCUTOPUS SPA			1	1			2	2	.98	77.94	.33	.516	-.21	.88
27 SPIONIDAE		2					2	1	.98	78.92	.33	.816	-.52	1.19
28 ONUPHIDAE		2					2	1	.98	79.90	.33	.816	-.52	1.19
29 CAPITELLA CAPITATA		1			1		2	2	.98	80.88	.33	.516	-.21	.88
30 SYLLIS SPC				2			2	1	.98	81.86	.33	.816	-.52	1.19
31 BYHLIS CF AFFINIS		1				1	2	2	.98	82.84	.33	.516	-.21	.88
32 GLYCERA TESSELATA				2			2	1	.98	83.82	.33	.816	-.52	1.19
33 AMPELISCA SPA				2			2	1	.98	84.80	.33	.816	-.52	1.19
34 NEPHYIIDAE		1			1		2	2	.98	85.78	.33	.516	-.21	.88
35 NUCULANA ACUTA					1	1	2	2	.98	86.76	.33	.516	-.21	.88
36 PIPAR CORDATUS						2	2	1	.98	87.75	.33	.816	-.52	1.19
37 AMYGDALUM PAPHIRIUM	1						1	1	.49	88.24	.17	.408	-.26	.60
38 ARICIOEA NEOSUECICA						1	1	1	.49	88.73	.17	.408	-.26	.60
39 ONUPHIS SPA		1					1	1	.49	89.22	.17	.408	-.26	.60
40 THARYX ANNULOSUS			1				1	1	.49	89.71	.17	.408	-.26	.60
41 HETEROPHOXUS CF OCOLATUS			1				1	1	.49	90.20	.17	.408	-.26	.60
42 POLYSTIRA ALBIDA					1		1	1	.49	90.69	.17	.408	-.26	.60
43 PARANIDES LYRA		1					1	1	.49	91.18	.17	.408	-.26	.60
44 NOTOMASTUS HEMIPODUS		1					1	1	.49	91.67	.17	.408	-.26	.60
45 OHELIA SPA				1			1	1	.49	92.16	.17	.408	-.26	.60
46 NOTOMASTUS AMERICANUS				1			1	1	.49	92.65	.17	.408	-.26	.60
47 OPHIUROIDEA				1			1	1	.49	93.14	.17	.408	-.26	.60
48 SARSIELLA SPF		1					1	1	.49	93.63	.17	.408	-.26	.60
49 PINNOTHERIDAE				1			1	1	.49	94.12	.17	.408	-.26	.60
50 MDIRA ATROPOS		1					1	1	.49	94.61	.17	.408	-.26	.60
51 ANOMALUCARDIA AUSTRALIANA		1					1	1	.49	95.10	.17	.408	-.26	.60
52 ULIGUCHAETA	1						1	1	.49	95.59	.17	.408	-.26	.60
53 AMPELISCA ABDITA					1		1	1	.49	96.08	.17	.408	-.26	.60
54 SARSIELLA SPC			1				1	1	.49	96.57	.17	.408	-.26	.60

55	LARICE CF CONCHILEGA			1		1	1	.49	97.06	.17	.408	-.26	.60
56	ANLAPHAMUS INERMIS				1	1	1	.49	97.55	.17	.408	-.26	.60
57	TEREBELLIDES SIROEMII	1				1	1	.49	98.04	.17	.408	-.26	.60
58	CALIFIA CF CALIDA				1		1	.49	98.53	.17	.408	-.26	.60
59	PHILOMEDES SPA		1			1	1	.49	99.02	.17	.408	-.26	.60
60	ALTERROCHELATA SPA	1				1	1	.49	99.51	.17	.408	-.26	.60
61	NEPTOMASTUS CALIFORNIENSIS		1			1	1	.49	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	6	31	23	19	11	15	
NO. OF INDIVIDUALS	8	87	38	28	18	25	204

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	II	61	204	5.1694	.9581	.9016

STATION 4 TRANSECT 11 PERIOD 77FALL

SPECIES	REPLICATE						TOTAL					STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		CONF	LIM
1 PARAPRIONOSPIO PINNATA	33	33	4	40	16	14	140	6	44.03	44.03	23.33	13.995	8.64	38.02
2 NEPHYTYS INCISA	6	5	3	5	5	1	25	6	7.86	51.89	4.17	1.835	2.24	6.09
3 NEMERTINEA	1		1	5	8	1	16	5	5.03	56.92	2.67	3.141	-.63	5.96
4 NOTOMASTUS CF LATERNICEUS	1	3	3	4	3		14	5	4.40	61.32	2.33	1.506	.75	3.91
5 PARANIS GRACILIS	4	3				5	12	3	3.77	65.09	2.00	2.280	-.39	4.39
6 MACELONA LONGICORNIS	3	1		1	3	3	11	5	3.46	68.55	1.83	1.329	.44	3.23
7 COSSURA DELTA	4			1	2	4	11	4	3.46	72.01	1.83	1.835	-.09	3.76
8 LUMBRICUS PARVAPEDATA	3	2	1	2	1		9	5	2.83	74.84	1.50	1.049	.40	2.60
9 SPIONIDAE		4	2		2		8	3	2.52	77.36	1.33	1.633	-.38	3.05
10 CORBULA SWIFTIANA	2				4	1	7	3	2.20	79.56	1.17	1.602	-.51	2.85
11 NEPHYTIDAE		3	1		3		7	3	2.20	81.76	1.17	1.472	-.30	2.71
12 AMPELISCA VERMILLI				3	3	1	7	3	2.20	83.96	1.17	1.472	-.38	2.71
13 PARANIDAE	1	1		2	1		5	4	1.57	85.53	.83	.753	.04	1.62
14 EUDORELLA MONODON	1			2	1		4	3	1.26	86.79	.67	.816	-.19	1.52
15 VULVULELLA TEXASIANA			1	1		2	4	3	1.26	88.05	.67	.816	-.19	1.52
16 NEREIS NIGRIPES	1			1	2		4	3	1.26	89.31	.67	.816	-.19	1.52
17 APSILODES SPA	1	1		1			3	3	.94	90.25	.50	.548	-.07	1.07
18 THARYX MARIONI	1				2		3	2	.94	91.19	.50	.837	-.38	1.38
19 CIRROPHORUS LYRIFORMIS		1				2	3	2	.94	92.14	.50	.837	-.38	1.38
20 CERJANTHARIA	2					1	3	2	.94	93.08	.50	.837	-.38	1.38
21 AUTOMATE EVERMANNI				1	1		2	2	.63	93.71	.33	.516	-.21	.88
22 SIGAMMA BASSI			1	1			2	2	.63	94.34	.33	.516	-.21	.88
23 SIGAMMA TENTACULATA	1			1			2	2	.63	94.97	.33	.516	-.21	.88
24 DRILONEREIS MAGNA	1						1	1	.31	95.28	.17	.408	-.26	.60
25 AMPELISCA ADDITA				1			1	1	.31	95.60	.17	.408	-.26	.60
26 LEPIDASTHENIA MACULATA				1			1	1	.31	95.91	.17	.408	-.26	.60
27 HALIOPHASMA SPA					1	1	1	1	.31	96.23	.17	.408	-.26	.60
28 ALPHEJS SP				1			1	1	.31	96.54	.17	.408	-.26	.60
29 MACOMA PULLEYI			1				1	1	.31	96.86	.17	.408	-.26	.60
30 PHYLLODOCE MUCOSA					1		1	1	.31	97.17	.17	.408	-.26	.60
31 NOTOMASTUS CALIFORNIENSIS						1	1	1	.31	97.48	.17	.408	-.26	.60
32 THARYX ANNULOSUS				1			1	1	.31	97.80	.17	.408	-.26	.60
33 NOTOMASTUS AMERICANUS					1	1	1	1	.31	98.11	.17	.408	-.26	.60
34 NEREID(NICON) SPA	1						1	1	.31	98.43	.17	.408	-.26	.60
35 NEREID SPB						1	1	1	.31	98.74	.17	.408	-.26	.60
36 PINNOTHERIDAE		1					1	1	.31	99.06	.17	.408	-.26	.60
37 LISTRIELLA BARNARDI						1	1	1	.31	99.37	.17	.408	-.26	.60
38 SIPUNCULA					1		1	1	.31	99.69	.17	.408	-.26	.60
39 ANCIROSYLLIS JONESI		1					1	1	.31	100.00	.17	.408	-.26	.60

NO. OF SPECIES 18 13 10 19 19 16
 NO. OF INDIVIDUALS 67 59 18 74 60 40 318

STATION 4 TRANSECT 11 SPECIES 39 INDIVIDUALS 318 DIVERSITY 3.5302 P/E .7900 EQUITABILITY .4359

STATION 5 TRANSECT 11 PERIOD 77FALL

SPECIES	REPLICATE						TOTAL			MEAN	STD	95 PCT		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT			ACC PCT	CONF	LIM
1 CUMBULA SWIFTIANA	8	1		3	20	3	35	5	14.64	14.64	5.83	7.468	-2.00	13.67
2 PAKAONIS GRACILIS	3	1	4	4	8	2	22	6	9.21	23.85	3.67	2.422	1.12	6.21
3 PAKAONIS SPA	1	2	4	4	2	4	17	6	7.11	30.96	2.83	1.329	1.44	4.23
4 COSSURA DELTA	3	1	2	1	1	2	10	6	4.18	35.15	1.67	.816	.81	2.52
5 MEDIOMASTUS CALIFORNIENSIS	4			3		3	10	3	4.18	39.33	1.67	1.862	-.29	3.62
6 NEMERTINEA	2				2	4	8	3	3.35	42.68	1.33	1.633	-.38	3.85
7 SIGAMBRA TENTACULATA	2	3	1	2			8	4	3.35	46.03	1.33	1.211	.06	2.60
8 AMPELISCA AGASSIZI			3	1		3	7	3	2.93	48.95	1.17	1.472	-.38	2.71
9 AMPHARETE AMERICANA	2			4			6	2	2.51	51.46	1.00	1.673	-.76	2.76
10 PAKAONIDES LYRA	1			2		3	6	3	2.51	53.97	1.00	1.265	-.33	2.33
11 AMPHARETE ACUTIFRONS	2	1		1	1		5	4	2.09	56.07	.83	.753	.00	1.62
12 SIPUNCULA	3		2				5	2	2.09	58.16	.83	1.329	-.56	2.23
13 PARAPHRONOSPID PINNATA	3		1		1		5	3	2.09	60.25	.83	1.169	-.39	2.06
14 EXOGONE DISPAR					3	2	5	2	2.09	62.34	.83	1.329	-.56	2.23
15 NEMID SPH	3			1			4	2	1.67	64.02	.67	1.211	-.60	1.94
16 MEGALOMA LONGICORNIS	2	1			1		4	3	1.67	65.69	.67	.816	-.19	1.52
17 HYALA SPA					1	3	4	2	1.67	67.36	.67	1.211	-.60	1.94
18 VILVULELLA TEXASIANA						3	3	1	1.26	68.62	.50	1.225	-.79	1.79
19 LUMBRINERIS PARVAPEDATA	1		1	1			3	3	1.26	69.87	.50	.548	-.07	1.07
20 NEMPTIIDAE					1	2	3	2	1.26	71.13	.50	.837	-.38	1.38
21 SPIRIDAE	1			1		1	3	3	1.26	72.38	.50	.548	-.07	1.07
22 TELLINA VERSICOLOR		1	1	1			3	3	1.26	73.64	.50	.548	-.07	1.07
23 SYNCHELIDIUM CF AMERICANUM						3	3	1	1.26	74.90	.50	1.225	-.79	1.79
24 PAKAONIDAE	1		1				2	2	.84	75.73	.33	.516	-.21	.88
25 PITAK CORDATUS		1	1				2	2	.84	76.57	.33	.516	-.21	.88
26 MACOMA TENIA		1			1		2	2	.84	77.41	.33	.516	-.21	.88
27 LUMBRINERIS ALBIDENTATA	1					1	2	2	.84	78.24	.33	.516	-.21	.88
28 NEMPTYS INCISA		1			1		2	2	.84	79.08	.33	.516	-.21	.88
29 OHELIA SPA			1		1		2	2	.84	79.92	.33	.516	-.21	.88
30 OPHTHODROMUS OBSCURUS	1					1	2	2	.84	80.75	.33	.516	-.21	.88
31 POLYNOIDAE	2						2	1	.84	81.59	.33	.816	-.52	1.19
32 THYASIRA SPA			1	1			2	2	.84	82.43	.33	.516	-.21	.88
33 SIGAMBRA BASSI	2					1	2	1	.84	83.26	.33	.816	-.52	1.19
34 AMPELISCA VERRILLI				1		1	2	2	.84	84.10	.33	.516	-.21	.88
35 VARICORHOLA DISPARILIS					2		2	1	.84	84.94	.33	.816	-.52	1.19
36 AMARANA TRILOHATA	1	1					2	2	.84	85.77	.33	.516	-.21	.88
37 SIPHONODENTALIIDAE						2	2	1	.84	86.61	.33	.816	-.52	1.19
38 PHORONIDA	2						2	1	.84	87.45	.33	.816	-.52	1.19
39 THAKYX MARIONI		1			1		2	2	.84	88.28	.33	.516	-.21	.88
40 THAKYX ANGULOSUS	2						2	1	.84	89.12	.33	.816	-.52	1.19
41 EUDORELLA MONODON					1		1	1	.42	89.54	.17	.408	-.26	.60
42 GONAPLACIDAE		1					1	1	.42	89.96	.17	.408	-.26	.60
43 LUMBRINERIS TENUIS				1			1	1	.42	90.38	.17	.408	-.26	.60
44 PLATYHELMINTHES					1		1	1	.42	90.79	.17	.408	-.26	.60
45 NIQUE NIGRIPES	1						1	1	.42	91.21	.17	.408	-.26	.60
46 MEGALOMA CF QUADRIUCULATUM						1	1	1	.42	91.63	.17	.408	-.26	.60
47 PANASTENOPE LATA						1	1	1	.42	92.05	.17	.408	-.26	.60
48 CHLOEIA VIRIDIS						1	1	1	.42	92.47	.17	.408	-.26	.60
49 TURRONILLA SP			1				1	1	.42	92.89	.17	.408	-.26	.60
50 BARBANSUS PAUCICHELATUS						1	1	1	.42	93.31	.17	.408	-.26	.60
51 MINSPIO LONGIBRANCHIATA				1			1	1	.42	93.72	.17	.408	-.26	.60
52 PARAPHRONOME PULCHELLA				1			1	1	.42	94.14	.17	.408	-.26	.60
53 STERNASPIS SCUTATA						1	1	1	.42	94.56	.17	.408	-.26	.60
54 AMPELISCA SPA						1	1	1	.42	94.98	.17	.408	-.26	.60

55 NEREID(NICOM) SPA				1	1	1	.42	95.40	.17	.408	-.26	.60
56 AMPHARETIIDAE				1	1	1	.42	95.82	.17	.408	-.26	.60
57 GONIADA NORVEGICA		1			1	1	.42	96.23	.17	.408	-.26	.60
58 NOTOMASTIUS LATERICEUS	1				1	1	.42	96.65	.17	.408	-.26	.60
59 AMPHARETE PARVIDENTATA				1	1	1	.42	97.07	.17	.408	-.26	.60
60 HATICA CANRENA		1			1	1	.42	97.49	.17	.408	-.26	.60
61 YULDIA SOLENDIDES		1			1	1	.42	97.91	.17	.408	-.26	.60
62 GYPTIS VITTATA				1	1	1	.42	98.33	.17	.408	-.26	.60
63 THYASIRA PYGMAEA		1			1	1	.42	98.74	.17	.408	-.26	.60
64 DENIALIIDAE			1		1	1	.42	99.16	.17	.408	-.26	.60
65 ABRA AEQUALIS				1	1	1	.42	99.58	.17	.408	-.26	.60
66 ANACHIS CALLIGLYPTA		1			1	1	.42	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	26	16	18	19	21	26	
NO. OF INDIVIDUALS	55	19	28	34	52	51	239

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	11	66	239	5.2099	.9560	.8485

STATION 6 TRANSECT II PERIOD 77FALL

SPECIES	REPLICATE						TOTAL				MEAN	STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT			CONF	LIM
1 PARANIS GRACILIS	1	6	13	2	2	8	32	6	15.69	15.69	5.33	4.633	.47	10.20
2 SIGAMBRA TENTACULATA	5	3	1		3	3	15	5	7.35	23.04	2.50	1.761	.65	4.35
3 PITAK CORDATUS		1	3	4		5	13	4	6.37	29.41	2.17	2.137	-.00	4.41
4 COSSURA DELTA	1	3	3		3	2	12	5	5.00	35.29	2.00	1.265	.67	3.33
5 ERIOPISA INCISA	6		6				12	2	5.00	41.10	2.00	3.090	-1.25	5.25
6 THARYX MARIONI	2	1	4	2		1	10	5	4.90	46.00	1.67	1.366	.23	3.10
7 NYALA SPA			9				9	1	4.41	50.49	1.50	3.674	-2.36	5.36
8 CORBULA SWIFTIANA		4	5				9	2	4.41	54.90	1.50	2.345	-.96	3.96
9 PARANIS SPA		1	5				6	2	2.94	57.84	1.00	2.000	-1.10	3.10
10 PARALACTONIA PARADIXA		1	3	1	1		6	4	2.94	60.70	1.00	1.095	-.15	2.15
11 PARANIDAE	4		1				5	2	2.45	63.24	.83	1.602	-.05	2.51
12 NEPHYS INCISA	1			3		1	5	3	2.45	65.69	.83	1.169	-.39	2.06
13 THARYX ANNULOSUS	3					1	4	2	1.96	67.65	.67	1.211	-.60	1.90
14 NEMERTINEA			1	2	1		4	3	1.96	69.61	.67	.816	-.19	1.52
15 SPIONIDAE			4				4	1	1.96	71.57	.67	1.633	-1.05	2.30
16 ANPELISCA SPA				2		1	3	2	1.47	73.04	.50	.837	-.38	1.38
17 ANNA AEGUALIS				3			3	1	1.47	74.51	.50	1.225	-.79	1.79
18 GYTIIS VITTATA	2		1				3	2	1.47	75.98	.50	.837	-.38	1.38
19 SCUTIOPUS SPA			1			2	3	2	1.47	77.45	.50	.837	-.38	1.38
20 ARMADIA MACULATA				1		2	3	2	1.47	78.92	.50	.837	-.38	1.38
21 THYASINA PYGMAEA	1		1			1	3	3	1.47	80.39	.50	.540	-.07	1.07
22 SIERNASPIS SCUTATA			1		1	1	3	3	1.47	81.86	.50	.540	-.07	1.07
23 SOLEMYA SPA						3	3	1	1.47	83.33	.50	1.225	-.79	1.79
24 BYBLIS CF AFFINIS			3				3	1	1.47	84.80	.50	1.225	-.79	1.79
25 ARICIDEA NEUSUECICA			1	1			2	2	.98	85.78	.33	.516	-.21	.80
26 GONIAEA MACULATA	1						1	1	.49	86.27	.17	.400	-.26	.60
27 MAGELONA LONGICORNIS		1					1	1	.49	86.76	.17	.400	-.26	.60
28 PELOSCULEX SP			1				1	1	.49	87.25	.17	.400	-.26	.60
29 SIGAMBRA BASSI		1					1	1	.49	87.75	.17	.400	-.26	.60
30 CAPITELLIDAE			1				1	1	.49	88.24	.17	.400	-.26	.60
31 AGLAOPHAMUS CIRCINATA				1			1	1	.49	88.73	.17	.400	-.26	.60
32 AUIDMATE EVERMANNI				1			1	1	.49	89.22	.17	.400	-.26	.60
33 PILARGIIDAE	1						1	1	.49	89.71	.17	.400	-.26	.60
34 NEPHYIDAE			1				1	1	.49	90.20	.17	.400	-.26	.60
35 ONELIA SPA					1		1	1	.49	90.69	.17	.400	-.26	.60
36 THYASINA SPA		1					1	1	.49	91.18	.17	.400	-.26	.60
37 SIPUNCULA				1			1	1	.49	91.67	.17	.400	-.26	.60
38 SPHAEROPHIDIUM CLAPAREDII			1				1	1	.49	92.16	.17	.400	-.26	.60
39 AFDICIRA HELGICAE		1					1	1	.49	92.65	.17	.400	-.26	.60
40 ANTHELURA SP				1			1	1	.49	93.14	.17	.400	-.26	.60
41 NATICA CANRENA				1			1	1	.49	93.63	.17	.400	-.26	.60
42 EUDORELLA MONDINI			1				1	1	.49	94.12	.17	.400	-.26	.60
43 TELLINA VERSICOLOR			1				1	1	.49	94.61	.17	.400	-.26	.60
44 EUCHONE ROSEA				1			1	1	.49	95.10	.17	.400	-.26	.60
45 PARANIDES LYRA				1			1	1	.49	95.59	.17	.400	-.26	.60
46 PHYLLODOCE MUCOSA				1			1	1	.49	96.08	.17	.400	-.26	.60
47 RENILLA MULLERI				1			1	1	.49	96.57	.17	.400	-.26	.60
48 PROLESSA HEMPHILLI				1			1	1	.49	97.06	.17	.400	-.26	.60
49 SPHYRAPHUS SPA		1					1	1	.49	97.55	.17	.400	-.26	.60
50 PHILINE SAGNA			1				1	1	.49	98.04	.17	.400	-.26	.60
51 GLYCFRA TESSELLATA			1				1	1	.49	98.53	.17	.400	-.26	.60
52 GONIFLACIDAE						1	1	1	.49	99.02	.17	.400	-.26	.60
53 HIPPOPHOON CF SERRATUS			1				1	1	.49	99.51	.17	.400	-.26	.60
54 AMYGDALUM PAPHIUM			1				1	1	.49	100.00	.17	.400	-.26	.60

NO. OF SPECIES 12 12 30 20 7 14
 NO. OF INDIVIDUALS 28 24 77 31 12 32 204

STATION TRANSECT SPECIES INDIVIDUALS DIVERSITY PIE EQUITABILITY
 6 II 54 204 4.9057 .9505 .8519

STATION 1 TRANSECT III PERIOD 77FALL

SPECIES	REPLICATE						TOTAL			ACC PCT	MEAN	STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT				CONF	LIM
1 PARAPHRONOSPION PINNATA	29	14	42	83	4	20	192	6	42.29	42.29	32.00	28.150	2.45	61.55
2 AMPELISCA AGASSIZI	17	15	47	15	3	9	106	6	23.35	65.64	17.67	15.267	1.64	33.69
3 NEMERTINEA	1	9	3	6	10	7	36	6	7.93	73.57	6.00	3.464	2.36	9.64
4 NEMIDASTIUS CALIFORNIENSIS	7		3	2			12	3	2.64	76.21	2.00	2.757	-.89	4.89
5 PARADONIS GRACILIS	4	2	3	1			10	4	2.20	78.41	1.67	1.633	-.05	3.38
6 VOLVULELLA TEXASIANA			2	1		4	7	3	1.54	79.96	1.17	1.602	-.51	2.85
7 CERIANTHARIA	2	1		1	2	1	7	5	1.54	81.50	1.17	.753	.38	1.96
8 NINUE NIGRIPES	1		1	1		3	6	4	1.32	82.82	1.00	1.095	-.15	2.15
9 HYALA SPA	4					1	5	2	1.10	83.92	.83	1.602	-.85	2.51
10 MALACOCERUS VANDERHONSTI				2		2	4	2	.88	84.80	.67	1.033	-.42	1.75
11 MAGELONA LONGICORNIS	2	2					4	2	.88	85.68	.67	1.033	-.42	1.75
12 AMPELISCA ABDITA	1	1	1	1			4	4	.88	86.56	.67	.516	.12	1.21
13 SIGAMBRA HASSI		2	2				4	2	.88	87.44	.67	1.033	-.42	1.75
14 NOTUMASTIUS CF LATERICEUS		1		1	1	1	4	4	.88	88.33	.67	.516	.12	1.21
15 SPIONIDAE			4				4	1	.88	89.21	.67	1.633	-1.05	2.38
16 NEPHYS INCISA	2		2				4	2	.88	90.09	.67	1.033	-.42	1.75
17 AUTOMATE EVERMANNI		2	2				4	2	.88	90.97	.67	1.033	-.42	1.75
18 TEREMNA PROLEXTA	2			1		1	4	3	.88	91.85	.67	.816	-.19	1.52
19 COSSURA DELTA			1	2		1	4	3	.88	92.73	.67	.816	-.19	1.52
20 SIGAMBRA TENTACULATA	1		2	1			4	3	.88	93.61	.67	.816	-.19	1.52
21 POLYCHAETE SPA				3			3	1	.66	94.27	.50	1.225	-.79	1.79
22 LUMBRINERIS PARVAPEDATA	2					1	3	2	.66	94.93	.50	.837	-.38	1.38
23 NEREID (NIDON) SPA	1		1				2	2	.44	95.37	.33	.516	-.21	.88
24 OPHIOGLYCERA DISTORTA		2					2	1	.44	95.81	.33	.816	-.52	1.19
25 THARYX MARIONI	1						1	1	.22	96.04	.17	.408	-.26	.60
26 ERIOPISA SPB	1						1	1	.22	96.26	.17	.408	-.26	.60
27 OPHIUROIDEA				1			1	1	.22	96.48	.17	.408	-.26	.60
28 ARMANDIA MACULATA						1	1	1	.22	96.70	.17	.408	-.26	.60
29 ALPHEUS SP						1	1	1	.22	96.92	.17	.408	-.26	.60
30 NEPHTYIDAE				1			1	1	.22	97.14	.17	.408	-.26	.60
31 MILARGIS BERKELYAE					1		1	1	.22	97.36	.17	.408	-.26	.60
32 GLYIJA LONGICYATHA			1				1	1	.22	97.58	.17	.408	-.26	.60
33 LUMBRINERIS TENJIS						1	1	1	.22	97.80	.17	.408	-.26	.60
34 GONEPLACIDAE			1				1	1	.22	98.02	.17	.408	-.26	.60
35 ALPHEIDAE						1	1	1	.22	98.24	.17	.408	-.26	.60
36 AMPELISCA VERMILLI	1						1	1	.22	98.46	.17	.408	-.26	.60
37 MALACOCERUS SP						1	1	1	.22	98.68	.17	.408	-.26	.60
38 PINNOTHERIDAE		1					1	1	.22	98.90	.17	.408	-.26	.60
39 MINUSPIO LONGIRRANCHIATA			1				1	1	.22	99.12	.17	.408	-.26	.60
40 ARICIDEA JEFFREYSII		1					1	1	.22	99.34	.17	.408	-.26	.60
41 ANCISTROSYLLIS PAPILLOSA	1						1	1	.22	99.56	.17	.408	-.26	.60
42 CORBULA SWIFTIANA		1					1	1	.22	99.78	.17	.408	-.26	.60
43 MINUSPIO CIRRIFERA		1					1	1	.22	100.00	.17	.408	-.26	.60

NO. OF SPECIES 19 15 18 17 6 17
 NO. OF INDIVIDUALS 80 55 119 123 21 56 454

STATION 1 TRANSECT III SPECIES 43 INDIVIDUALS 454 DIVERSITY 3.1053 PIE .7590 EQUITABILITY .3023

STATION 2 TRANSECT III PERIOD 77FALL

SPECIES	REPLICATE						TOTAL			ACC PCT	MEAN	STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT				CONF	LIM
1 NEMERTINEA	1	2	1	1		3	8	5	10.00	10.00	1.33	1.033	.25	2.42
2 PARANIS SPA	1			2	1	2	6	4	7.50	17.50	1.00	.894	.06	1.94
3 COSSURA DELTA		1	3	1		1	6	4	7.50	25.00	1.00	1.095	-.15	2.15
4 PARAPRIONOSPID PINNATA	1	2			1	1	5	4	6.25	31.25	.83	.753	.04	1.62
5 PARANIS GRACILIS	2				1	2	5	3	6.25	37.50	.83	.983	-.20	1.87
6 CORDULA SWIFTIANA		4					4	1	5.00	42.50	.67	1.653	-1.05	2.38
7 PARANIDAE	2					1	3	2	3.75	46.25	.50	.837	-.38	1.38
8 MEDIOMASTUS CALIFORNIENSIS			2			1	3	2	3.75	50.00	.50	.837	-.38	1.38
9 MAGLONA LONGICORNIS			2				3	2	3.75	53.75	.50	.837	-.38	1.38
10 NEPTYS INCISA		1		1	1		3	3	3.75	57.50	.50	.548	-.07	1.07
11 NEREID SPH	1				1	1	3	3	3.75	61.25	.50	.548	-.07	1.07
12 SIGAMBRA TENTACULATA				1		1	2	2	2.50	63.75	.33	.516	-.21	.88
13 PARANIDES LYNA	1					1	2	2	2.50	66.25	.33	.516	-.21	.88
14 EUDONELLA MONODON		1	1				2	2	2.50	68.75	.33	.516	-.21	.88
15 LUMBRINERIS TENOIS		1		1			2	2	2.50	71.25	.33	.516	-.21	.88
16 AUTOMATE EVERMANNI		1		1			2	2	2.50	73.75	.33	.516	-.21	.88
17 SPIONIDAE				1	1		2	2	2.50	76.25	.33	.516	-.21	.88
18 SYNCHELIDIUM CF AMERICANUM						1	1	1	1.25	77.50	.17	.408	-.26	.60
19 ARICIDEA CF FRAGILIS	1						1	1	1.25	78.75	.17	.408	-.26	.60
20 AMAEANA ACCRAENSIS			1				1	1	1.25	80.00	.17	.408	-.26	.60
21 SIPHUNCULA			1				1	1	1.25	81.25	.17	.408	-.26	.60
22 AMPHICTEIS GUNNERI					1		1	1	1.25	82.50	.17	.408	-.26	.60
23 PINNOTHERIDAE		1					1	1	1.25	83.75	.17	.408	-.26	.60
24 LUMBRINERIS ALBIDENTATA				1			1	1	1.25	85.00	.17	.408	-.26	.60
25 NYALA SPA					1		1	1	1.25	86.25	.17	.408	-.26	.60
26 OBTOMASTUS CF LATERICEUS						1	1	1	1.25	87.50	.17	.408	-.26	.60
27 ASYCHIS ELONGATA					1		1	1	1.25	88.75	.17	.408	-.26	.60
28 CIRROPHORUS LYRIFORMIS						1	1	1	1.25	90.00	.17	.408	-.26	.60
29 DRILUNEMES MAGNA						1	1	1	1.25	91.25	.17	.408	-.26	.60
30 VULVULELLA TEXASIANA			1				1	1	1.25	92.50	.17	.408	-.26	.60
31 LUMBRINERIS PARVAPEDATA			1				1	1	1.25	93.75	.17	.408	-.26	.60
32 ARICIDEA JEFFREYSII	1						1	1	1.25	95.00	.17	.408	-.26	.60
33 SCUTOPUS SPA			1				1	1	1.25	96.25	.17	.408	-.26	.60
34 CAPRELLID			1				1	1	1.25	97.50	.17	.408	-.26	.60
35 ERUGONE DISPAR			1				1	1	1.25	98.75	.17	.408	-.26	.60
36 NERE NIGRIPES			1				1	1	1.25	100.00	.17	.408	-.26	.60

NO. OF SPECIES 9 9 13 10 9 14
 NO. OF INDIVIDUALS 11 14 17 11 9 18 80

STATION 2 TRANSECT III SPECIES 36 INDIVIDUALS 80 DIVERSITY 4.8047 PIE .9668 EQUITABILITY 1.1111

STATION 3 TRANSECT III PERIOD 77FALL

SPECIES	REPLICATE						TOTAL					STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		CONF	LIM
1 ALIENOCHELATA SPA	1	1	2	2	5	1	12	6	8.70	8.70	2.00	1.549	.37	3.63
2 THYASINA PYGMAEA		3		3	5		11	3	7.97	16.67	1.83	2.137	-.41	4.08
3 PHTAN CUMDATUS		3		7			10	2	7.25	23.91	1.67	2.075	-1.35	4.68
4 CUSSORA DELTA			2	1	4	3	10	4	7.25	31.16	1.67	1.633	-.05	3.38
5 NEMERTINEA		2	1	2	3		8	4	5.80	36.96	1.33	1.211	.06	2.60
6 SIPUNCULA	1	1	1		2	2	7	5	5.07	42.03	1.17	.753	.38	1.96
7 SIGAMBRA TENTACULATA	2			3	2		7	3	5.07	47.10	1.17	1.329	-.23	2.56
8 PARANONIS GRACILIS	1	1		1	2	1	6	5	4.35	51.45	1.00	.632	.34	1.66
9 DENTALIUM SOWERBYI		1	1	2	1		5	4	3.62	55.07	.83	.753	.04	1.62
10 PARALACYDONIA PARADOXA		1			2	1	4	3	2.90	57.97	.67	.816	-.19	1.52
11 SPIOPHANES WIGLEYI		1		1		1	3	3	2.17	60.14	.50	.548	-.07	1.07
12 THYASIRA SPA	1			1	1		3	3	2.17	62.32	.50	.548	-.07	1.07
13 PARAPHRIDOSPID PINNATA					3		3	1	2.17	64.49	.50	1.225	-.79	1.79
14 SPIONIDAE				3			3	1	2.17	66.67	.50	1.225	-.79	1.79
15 OPHUROIDEA				2			2	1	1.45	68.12	.33	.816	-.52	1.19
16 AMPPLISCA SPA				1	1		2	2	1.45	69.57	.33	.516	-.21	.88
17 NICULANA ACUTA	1				1		2	2	1.45	71.01	.33	.516	-.21	.88
18 ONUPHIS SPH	1					1	2	2	1.45	72.46	.33	.516	-.21	.88
19 STERNASPIS SCUTATA					2		2	1	1.45	73.91	.33	.816	-.52	1.19
20 LUMBRINERIS SPA					2		2	1	1.45	75.36	.33	.816	-.52	1.19
21 THARYX MARIONI	2						2	1	1.45	76.81	.33	.816	-.52	1.19
22 PARANONIS SPA		1			1		2	2	1.45	78.26	.33	.516	-.21	.88
23 ANKARDIA MACULATA		1				1	2	2	1.45	79.71	.33	.516	-.21	.88
24 GAENIA FUSIFORMIS				2			2	1	1.45	81.16	.33	.816	-.52	1.19
25 CIRKALIID-H				1			1	1	.72	81.88	.17	.408	-.26	.60
26 CALIFIA CF CALIDA		1					1	1	.72	82.61	.17	.408	-.26	.60
27 NINDE NIGRIPES						1	1	1	.72	83.33	.17	.408	-.26	.60
28 SABELLIDAE		1					1	1	.72	84.06	.17	.408	-.26	.60
29 SPIOPHANES LONGICIRRUS						1	1	1	.72	84.78	.17	.408	-.26	.60
30 GLOTHIDIA PYRAMIDATA	1						1	1	.72	85.51	.17	.408	-.26	.60
31 PHILOMEDES SPA				1			1	1	.72	86.23	.17	.408	-.26	.60
32 ONUPHIS SP					1		1	1	.72	86.96	.17	.408	-.26	.60
33 SINUM MACULATUM		1					1	1	.72	87.68	.17	.408	-.26	.60
34 VERTICORDIA ORNATA		1					1	1	.72	88.41	.17	.408	-.26	.60
35 ASTROPECTEN SP					1		1	1	.72	89.13	.17	.408	-.26	.60
36 HYALA SPA		1					1	1	.72	89.86	.17	.408	-.26	.60
37 HYDILIS CF AFFINIS					1		1	1	.72	90.58	.17	.408	-.26	.60
38 FALCIDENS SPA					1		1	1	.72	91.30	.17	.408	-.26	.60
39 PARANONIS LYRA		1					1	1	.72	92.03	.17	.408	-.26	.60
40 THARYX ANNULOSUS					1		1	1	.72	92.75	.17	.408	-.26	.60
41 XENANTHURA BREVITELSON					1		1	1	.72	93.48	.17	.408	-.26	.60
42 HETEROPHOKUS CF OCOLATUS						1	1	1	.72	94.20	.17	.408	-.26	.60
43 GLYCERA TESSELLATA					1		1	1	.72	94.93	.17	.408	-.26	.60
44 SPIOCHAETOPTERUS COSTARUM					1		1	1	.72	95.65	.17	.408	-.26	.60
45 BRYOZOA	1						1	1	.72	96.38	.17	.408	-.26	.60
46 TEREBELLIDES STROENII				1			1	1	.72	97.10	.17	.408	-.26	.60
47 MEDIOASTIUS CALIFORNIENSIS	1						1	1	.72	97.83	.17	.408	-.26	.60
48 MALDANIDAE					1		1	1	.72	98.55	.17	.408	-.26	.60
49 DIPLOCIRRHUS SP				1			1	1	.72	99.28	.17	.408	-.26	.60
50 TEREKHA PROTETA				1			1	1	.72	100.00	.17	.408	-.26	.60

NO. OF SPECIES 16 16 7 19 25 11
 NO. OF INDIVIDUALS 12 21 9 36 46 14 138

STATION 3 TRANSECT III SPECIES 50 INDIVIDUALS 138 DIVERSITY 5.0520 PIE .9647 EQUITABILITY 1.0000

STATION 4 TRANSECT III PERIOD 77FALL

SPECIES	REPLICATE						TOTAL					95 PCT		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF	LIM
1 MAGELONA PHYLLISAE	171	65	164	132	127	45	704	6	15.73	15.73	117.33	51.640	63.12	171.54
2 LUMBRINERIS PARVAPLATA	54	26	55	38	93	59	325	6	7.26	22.99	54.17	22.746	30.29	78.04
3 TELLINA VERSICOLOR	37	9	104	49	19	16	234	6	5.23	28.22	39.00	35.094	2.16	75.84
4 PARANIDIS LYRA	116	16	6	14	57	20	225	6	5.03	33.25	37.50	42.566	-7.18	82.18
5 MEDIOMASTUS CALIFORNIENSIS	83	25	31	35	20	12	206	6	4.60	37.05	34.33	25.185	7.90	60.77
6 PARAPRIONOSPID PINNATA	27	10	39	28	45	23	172	6	3.84	41.70	20.67	12.307	15.75	41.58
7 AMPELISCA VERRILLI	18	10	27	19	64	16	154	6	3.44	45.14	25.67	19.562	5.13	46.20
8 MAGELONA PETTIBONEAE	22	15	24	33	22	14	130	6	2.91	48.04	21.67	6.890	14.44	28.90
9 PARANIDAE	32	1	10	26	16	9	94	6	2.10	50.15	15.67	11.535	3.56	27.77
10 ARILIDEA JEFFREYSII	1	5	44	25	18		93	5	2.08	52.22	15.50	17.144	-2.49	33.49
11 ARILIDEA JAYLORI	13	8	16	21	20	2	80	6	1.79	54.01	13.33	7.312	5.66	21.01
12 NEMERTINEA	21	12	1	20	10	5	77	6	1.72	55.73	12.83	8.329	4.09	21.58
13 PRIONOSPID CRISTATA		12	34	15	7	4	72	5	1.61	57.34	12.00	12.050	-.65	24.65
14 OPHIURIDEA	37	5	4	11	4	9	70	6	1.56	58.91	11.67	12.738	-1.70	25.04
15 PARANIDIS GRACILIS	13	7	12	20	15	1	68	6	1.52	60.42	11.33	6.593	4.41	18.25
16 THARYX MARIONI	25	19	8	2	11	2	67	6	1.50	61.92	11.17	9.283	1.42	20.91
17 AGLAOPHANTUS CIRCINATA	11		19	14	16	5	65	5	1.45	63.37	10.83	7.139	3.34	18.33
18 CYLICHNA BIDENTATA	18	4	15	24	3		64	5	1.43	64.80	10.67	9.668	.52	20.81
19 ISOLDA PULCHELLA	21	10	8	5	8	3	55	6	1.23	66.03	9.17	6.306	2.55	15.79
20 LUCINA AMIANTHUS	38	4	7	5			54	4	1.21	67.24	9.00	14.478	-0.20	24.20
21 ANADARA TRANSVERSA	19	2	2	4	1	20	48	6	1.07	68.31	8.00	8.967	-1.41	17.41
22 SCOLOPLUS CAPENSIS	16		31				47	2	1.05	69.36	7.83	13.029	-5.04	21.51
23 MALDANIDAE	11	7	1	9	11	8	47	6	1.05	70.41	7.83	3.710	3.94	11.73
24 POLYCHAETE SPA	28	6	1	5	2	1	43	6	.96	71.37	7.17	10.420	-3.77	18.10
25 SPIROPHANES BOMBYX	6	12	6	7	7	3	41	6	.92	72.29	6.83	2.927	3.76	9.91
26 LUMBRINERIS TENUIS	24		8	2	6		40	4	.89	73.18	6.67	9.092	-2.88	16.21
27 PHORONIDA	4	12	8	9	1	6	40	6	.89	74.08	6.67	3.882	2.59	10.74
28 NUCIA SP	6	1	6	20	5		38	5	.85	74.93	6.33	7.174	-1.20	13.86
29 DIPLODONTA CF SONOR	9	10	1	10	2	5	37	6	.83	75.75	6.17	4.070	1.09	10.44
30 DIOPATRA CUPREA	12			1	5	18	36	4	.80	76.56	6.00	7.457	-1.83	13.83
31 AGLAOPHANTUS VERRILLI		7	10	8	7	4	36	5	.80	77.36	6.00	3.521	2.30	9.70
32 CORBULA SYFITANA	16	2		4	8	4	34	5	.76	78.12	5.67	5.715	-.33	11.67
33 ONUPHIDAE	12	5		10	2	3	32	5	.72	78.84	5.33	4.719	.38	10.29
34 LUCINA MULTILINEATA	11	6	7	6		1	31	5	.69	79.53	5.17	4.070	.89	9.44
35 CLYMENELLA TORQUATA	8	3		4	4	11	30	5	.67	80.20	5.00	3.899	.91	9.09
36 SPIONIDAE	11	1	1	13	1	1	28	6	.63	80.83	4.67	5.715	-1.33	10.67
37 ZOANTHARIA	14	1		3		9	27	4	.60	81.43	4.50	5.753	-1.54	10.54
38 ANNA AEGUALIS	11	1	5	3	2	5	27	6	.60	82.03	4.50	3.564	.76	8.24
39 AMPELISCA CF CRISTATA	15	1	1		9	1	27	5	.60	82.64	4.50	6.124	-1.93	10.93
40 SIPUNCULA	5	6		9	5	1	26	5	.58	83.22	4.33	3.327	.84	7.83
41 GORTADA LITTOREA	7	1	2	3	12		25	5	.56	83.78	4.17	4.535	-.59	8.93
42 CYCLASPIS VARIANS	3	1	3	9	6	2	24	6	.54	84.31	4.00	2.966	.89	7.11
43 LUMBRINERIS JANUARI	17			3	1	1	22	4	.49	84.80	3.67	6.623	-3.29	10.62
44 APOPRIONOSPID PYGMAEA		4	12	3	1	2	22	5	.49	85.30	3.67	4.320	-.87	8.20
45 MINUSPID SP	21						21	1	.47	85.77	3.50	8.573	-5.50	12.50
46 DIOPATRA SP			2	1	2	15	20	4	.45	86.21	3.33	5.785	-2.74	9.41
47 THARYX ANNULOSUS	2			18			20	2	.45	86.66	3.33	7.250	-4.25	10.92
48 COSSURA DELTA	11	1	1	3	2		18	5	.40	87.06	3.00	4.050	-1.25	7.25
49 ACTEOCINA CANDEI	1		6	7	1	2	17	5	.38	87.44	2.83	2.927	-.24	5.91
50 OGYRIDES LIMICOLA	1		8	4	3		16	4	.36	87.80	2.67	3.077	-.56	5.90
51 NATICA CANRENA	1	2	3	9	1		16	5	.36	88.16	2.67	3.266	-.76	6.09
52 HAPLOSOCOPLUS FOLIOSUS		2	1		8	3	14	4	.31	88.47	2.33	3.011	-.83	5.49
53 SCOLARICIA SP				14			14	1	.31	88.78	2.33	5.715	-3.67	8.33
54 PHOTIS MACRODANTUS	2		3	4	5		14	4	.31	89.09	2.33	2.066	.17	4.50

55	OXENIA FUSIFORMIS	1	1	5	4	2	1	14	6	.31	89.41	2.33	1.751	.50	4.17
56	SPHONDELAIS BUA	1	1	2	2	5	4	14	5	.31	89.72	2.33	1.862	.38	4.29
57	AMPELISCA SPH	1	1	5	1	3	2	13	6	.29	90.01	2.17	1.602	.49	3.85
58	ERICTHONIAS BRASILIENSIS	12						12	1	.27	90.28	2.00	4.899	-3.14	7.14
59	ONOPHIS SP		11					11	1	.25	90.53	1.83	4.491	-2.88	6.55
60	OXYURUSIYLIS SP	1		4	3	2	1	11	5	.25	90.77	1.83	1.472	.29	3.38
61	LISIMIELLA HANNARDI	1		7	3			11	3	.25	91.02	1.83	2.787	-1.09	4.76
62	SYGCHELIUM CF AMERICANUM	1		3	4	1	2	11	5	.25	91.26	1.83	1.472	.29	3.38
63	MURICULOIDES SPH	2		3	2	4		11	4	.25	91.51	1.83	1.602	.15	3.51
64	AMPHARETIDAE	2					7	9	2	.20	91.71	1.50	2.811	-1.45	4.45
65	MAGELONA ROSEA	2	1		3	2	1	9	5	.20	91.91	1.50	1.049	.40	2.60
66	ARMANDIA MACULATA	4		4	1			9	3	.20	92.11	1.50	1.975	-.57	3.57
67	PARASTEROPE LATA	3	1	1		3	1	9	5	.20	92.31	1.50	1.225	.21	2.79
68	BRANCHIUSTOMA CARIBAEUM		1	5	2	1		9	4	.20	92.51	1.50	1.871	-.46	3.46
69	DOSINIA ELEGANS	5		1	1			7	3	.16	92.67	1.17	1.941	-.87	3.20
70	CADULUS CARULINENSIS		1	3	3			7	3	.16	92.83	1.17	1.472	-.38	2.71
71	AMPELISCA AGASSIZI		4		1	2		7	3	.16	92.98	1.17	1.602	-.51	2.85
72	CALLIANASSA BIFORMIS	3			2	2		7	3	.16	93.14	1.17	1.329	-.23	2.56
73	NEREIS LAMELLOSA	6					1	7	2	.16	93.30	1.17	2.401	-1.35	3.69
74	ARGISSA HAMATIPES	1		1	2	3		7	4	.16	93.45	1.17	1.169	-.86	2.39
75	VULVULELLA PERSIMILIS	1		1	3	2		7	4	.16	93.61	1.17	1.169	-.86	2.39
76	PHOTIS SPH		2		2	1	1	6	4	.13	93.74	1.00	.894	.06	1.94
77	CAULIENIELLA SPH			6				6	1	.13	93.80	1.00	2.449	-1.57	3.57
78	VANICORHOLA DISPARILIS				4	2		6	2	.13	94.01	1.00	1.673	-.76	2.76
79	ARICIDEA CF FRAGILIS	1		1	3	1		6	4	.13	94.15	1.00	1.095	-.15	2.15
80	ASYCHIS SP		1				5	6	2	.13	94.28	1.00	2.000	-1.10	3.10
81	PALEANOTUS HETEROSETA	2				3		5	2	.11	94.39	.83	1.329	-.56	2.23
82	ALDUMEA GIBBESII		1	2	2			5	3	.11	94.50	.83	.983	-.20	1.87
83	ACIINIARIA SPE	1					4	5	2	.11	94.61	.83	1.602	-.85	2.51
84	TURBONILLA PORTORICANA		1		4			5	2	.11	94.73	.83	1.602	-.85	2.51
85	SABELLIDAE	1	1			1	2	5	4	.11	94.84	.83	.753	.04	1.62
86	LUMBININIS ALBIDENTATA			1	3	1		5	3	.11	94.95	.83	1.169	-.39	2.06
87	DIOPATRA PAPILLATA				5			5	1	.11	95.06	.83	2.041	-1.31	2.98
88	PARADONIS SPA		4					4	1	.09	95.15	.67	1.633	-1.05	2.38
89	TEREBELLIDAE		3		1			4	2	.09	95.24	.67	1.211	-.60	1.94
90	PINHOIHEMIDAE	2	1			1		4	3	.09	95.33	.67	.816	-.19	1.52
91	AEDICIA BELGICAE		1		3			4	2	.09	95.42	.67	1.211	-.60	1.94
92	CAHIRA INCERTA				1		3	4	2	.09	95.51	.67	1.211	-.60	1.94
93	MICROSPID PIGMENTATA	2	1	1				4	3	.09	95.60	.67	.816	-.19	1.52
94	SIGAMBRA TENIACULATA	1		1	2			4	3	.09	95.69	.67	.816	-.19	1.52
95	SERPULA VERMICULARIS	4						4	1	.09	95.78	.67	1.633	-1.05	2.38
96	ASTEROPELLA SPA				1	3		4	2	.09	95.87	.67	1.211	-.60	1.94
97	ARMANDIA AGILIS	1		1	2			4	3	.09	95.96	.67	.816	-.19	1.52
98	TEREBNA PROTERTA	2	1	1				4	3	.09	96.04	.67	.816	-.19	1.52
99	EPITONIUM MULTISTRIATUM	3			1			4	2	.09	96.13	.67	1.211	-.60	1.94
100	ANACHIS CALLIGLYPTA	1	3					4	2	.09	96.22	.67	1.211	-.60	1.94
101	POLICLOCHAETUS JOHNSONI		2	1		1		4	3	.09	96.31	.67	.816	-.19	1.52
102	DIOPATRA TRIDENTATA	2				1		3	2	.07	96.38	.50	.837	-.38	1.38
103	LEPTOCHELA SERRATORBITA		1		1	1		3	3	.07	96.45	.50	.548	-.07	1.07
104	EPITONIUM NOVANGLIAE		3					3	1	.07	96.51	.50	1.225	-.79	1.79
105	GLYCERA AMERICANA	2				1		3	2	.07	96.58	.50	.837	-.38	1.38
106	CIRRATULID-B			1	1	1		3	3	.07	96.65	.50	.548	-.07	1.07
107	LAONICE CIRRATA		2		1			3	2	.07	96.72	.50	.837	-.38	1.38
108	GLUTIIDIA PYRAMIDATA			2		1		3	2	.07	96.78	.50	.837	-.38	1.38
109	CHAETOZOE SETOSA				3			3	1	.07	96.85	.50	1.225	-.79	1.79
110	HYDROIDES PROTULICOLA	3						3	1	.07	96.92	.50	1.225	-.79	1.79
111	PECTINARIA CF GOULDII				3			3	1	.07	96.98	.50	1.225	-.79	1.79
112	NEREIDAE					1	2	3	2	.07	97.05	.50	.837	-.38	1.38
113	ONOPHIS NEBULOSA					1	2	3	2	.07	97.12	.50	.837	-.38	1.38
114	PITAK CURDALUS						3	3	1	.07	97.18	.50	1.225	-.79	1.79
115	AMPHARETE ACUTIFRONS	1		1	1			3	3	.07	97.25	.50	.548	-.07	1.07
116	SPIOPHARES SPA			2	1			3	2	.07	97.32	.50	.837	-.38	1.38

117	OLIVIDAE	2		1		3	2	.07	97.59	.50	.837	-.38	1.38
118	MINUSPID CIRRIFERA	1		2		3	2	.07	97.45	.50	.837	-.38	1.38
119	NOTOMASTUS CF LATERICEUS				2	2	1	.04	97.50	.33	.816	-.52	1.19
120	PERIPLOMA URRICULARE			2		2	1	.04	97.54	.33	.816	-.52	1.19
121	ALIGENA TEXASIANA	2				2	1	.04	97.59	.33	.816	-.52	1.19
122	GYMNOBLASTEAE	1		1		2	2	.04	97.63	.33	.516	-.21	.88
123	SCOLOPLOS HUMRA	1			1	2	2	.04	97.68	.33	.516	-.21	.88
124	VULVOLELLA TEXASIANA		1			2	2	.04	97.72	.33	.516	-.21	.88
125	NEPHYS INCISA	2				2	1	.04	97.77	.33	.816	-.52	1.19
126	UNOPHIS SPF			2		2	1	.04	97.81	.33	.816	-.52	1.19
127	NUCOLANA ACUTA			1		2	2	.04	97.85	.33	.516	-.21	.88
128	HYDROZOA	1		1		2	2	.04	97.90	.33	.516	-.21	.88
129	APSEUDES SPA	1			1	2	2	.04	97.94	.33	.516	-.21	.88
130	NASSARIIDAE				2	2	1	.04	97.99	.33	.816	-.52	1.19
131	NEREID(NICON) SPA	2				2	1	.04	98.03	.33	.816	-.52	1.19
132	CAECUM PULCHELLUM			2		2	1	.04	98.08	.33	.816	-.52	1.19
133	SCOLELEPIS TEXANA			2		2	1	.04	98.12	.33	.816	-.52	1.19
134	SCHISTOMERINGUS RUDOLPHI	1			1	2	2	.04	98.17	.33	.516	-.21	.88
135	ASTEROPTERON OCULITRISIIS		1			2	2	.04	98.21	.33	.516	-.21	.88
136	FINELLA DUHIA			2		2	1	.04	98.26	.33	.816	-.52	1.19
137	UNOPHIS FREMITA		1		1	2	2	.04	98.30	.33	.516	-.21	.88
138	POLYDORA SP	1	1			2	2	.04	98.35	.33	.516	-.21	.88
139	COROPHIO SPA		1			2	2	.04	98.39	.33	.516	-.21	.88
140	SERPULIDAE	2				2	1	.04	98.44	.33	.816	-.52	1.19
141	UNOPHIS SPA		1		1	2	2	.04	98.48	.33	.516	-.21	.88
142	GYPTIS VITATA		1		1	2	2	.04	98.53	.33	.516	-.21	.88
143	TEREBELLIDES STROEMII			1		2	2	.04	98.57	.33	.516	-.21	.88
144	SPIOPHANES SP		2			2	1	.04	98.61	.33	.816	-.52	1.19
145	CERATOCEPHALE OCLATA		1	1		2	2	.04	98.66	.33	.516	-.21	.88
146	MUSCULUS LATERALIS	2				2	1	.04	98.70	.33	.816	-.52	1.19
147	CIRRIATULIDAE				1	1	1	.02	98.73	.17	.408	-.26	.60
148	AUTIMATE EVERMANNI	1				1	1	.02	98.75	.17	.408	-.26	.60
149	HAMINOEA SUCCINEA				1	1	1	.02	98.77	.17	.408	-.26	.60
150	ACTINIANIA SPA		1			1	1	.02	98.79	.17	.408	-.26	.60
151	CAECUM IMBRICATUM			1		1	1	.02	98.82	.17	.408	-.26	.60
152	PAGURIDAE		1			1	1	.02	98.84	.17	.408	-.26	.60
153	CAPITELLIID SPC	1				1	1	.02	98.86	.17	.408	-.26	.60
154	ERIOPISEA SPH		1			1	1	.02	98.88	.17	.408	-.26	.60
155	HEMICYCLOPS SP		1			1	1	.02	98.91	.17	.408	-.26	.60
156	XANTHIDAE		1			1	1	.02	98.93	.17	.408	-.26	.60
157	DIUGENIDAE		1			1	1	.02	98.95	.17	.408	-.26	.60
158	GUILDIA CERINA		1			1	1	.02	98.97	.17	.408	-.26	.60
159	UNOPHIS PERUANA			1		1	1	.02	98.99	.17	.408	-.26	.60
160	CAPITELLIIDAE			1		1	1	.02	99.02	.17	.408	-.26	.60
161	LUMBRINERIS SP	1				1	1	.02	99.04	.17	.408	-.26	.60
162	AMPHILOCHUS SP				1	1	1	.02	99.06	.17	.408	-.26	.60
163	HARBAUSUS PAUCICHELATUS	1				1	1	.02	99.08	.17	.408	-.26	.60
164	LEPIDONOTUS SIMLEVIS	1				1	1	.02	99.11	.17	.408	-.26	.60
165	HYDROZOA		1			1	1	.02	99.13	.17	.408	-.26	.60
166	POLYNOIDAE			1		1	1	.02	99.15	.17	.408	-.26	.60
167	CHONE SP			1		1	1	.02	99.17	.17	.408	-.26	.60
168	ORBINIIDAE	1				1	1	.02	99.20	.17	.408	-.26	.60
169	VITRINELLA FLORIDANA				1	1	1	.02	99.22	.17	.408	-.26	.60
170	GATTIYANA NUTTI				1	1	1	.02	99.24	.17	.408	-.26	.60
171	LOVENELLA GRANDIS			1		1	1	.02	99.26	.17	.408	-.26	.60
172	THARYX SPH	1				1	1	.02	99.28	.17	.408	-.26	.60
173	EULIMA BIFASCIATA			1		1	1	.02	99.31	.17	.408	-.26	.60
174	NASSARIUS ACUTUS			1		1	1	.02	99.33	.17	.408	-.26	.60
175	ARCIANELLA CORNUTA	1				1	1	.02	99.35	.17	.408	-.26	.60
176	PORITUNUS GIMNESII				1	1	1	.02	99.37	.17	.408	-.26	.60
177	ANCISTRUSYLLIS JONESI	1				1	1	.02	99.40	.17	.408	-.26	.60
178	TURRONILLA SP	1				1	1	.02	99.42	.17	.408	-.26	.60

179	AMPELISCA ABDITA	1				1	1	.02	99.44	.17	.408	-.26	.60
180	PISTA CRISTATA		1			1	1	.02	99.46	.17	.408	-.26	.60
181	CYCLASPIS SPH	1				1	1	.02	99.49	.17	.408	-.26	.60
182	CIRRIOPHORUS LYRIFORMIS			1		1	1	.02	99.51	.17	.408	-.26	.60
183	SARSIELLA SPINOSA	1				1	1	.02	99.53	.17	.408	-.26	.60
184	NEPHTYS MAGELLANICA				1	1	1	.02	99.55	.17	.408	-.26	.60
185	EUCHEMAMUS PRAELONGUS	1				1	1	.02	99.58	.17	.408	-.26	.60
186	UDELIA SPA		1			1	1	.02	99.60	.17	.408	-.26	.60
187	SIGAMBRA SP	1				1	1	.02	99.62	.17	.408	-.26	.60
188	DORVILLEIDAE	1				1	1	.02	99.64	.17	.408	-.26	.60
189	ELEONE ALBA		1			1	1	.02	99.66	.17	.408	-.26	.60
190	LYONSIA NYALINA FLORIDANA				1	1	1	.02	99.69	.17	.408	-.26	.60
191	NEPHTYS PICTA			1		1	1	.02	99.71	.17	.408	-.26	.60
192	ORILONEREIS MAGNA	1				1	1	.02	99.73	.17	.408	-.26	.60
193	PECTINARIA SP			1		1	1	.02	99.75	.17	.408	-.26	.60
194	TELLINA AENIDISTRATA		1			1	1	.02	99.78	.17	.408	-.26	.60
195	GALLIANASSA SP		1			1	1	.02	99.80	.17	.408	-.26	.60
196	HEXAPANOPEUS ANGUSTIFRONS				1	1	1	.02	99.82	.17	.408	-.26	.60
197	NEUMEGAMPHIUS SP	1				1	1	.02	99.84	.17	.408	-.26	.60
198	ASYCHIS ELONGATA			1		1	1	.02	99.87	.17	.408	-.26	.60
199	PSEUDONYCTHIDE AMBIGUA				1	1	1	.02	99.89	.17	.408	-.26	.60
200	SIGALIONIDAE		1			1	1	.02	99.91	.17	.408	-.26	.60
201	NUCULA PROXIMA			1		1	1	.02	99.93	.17	.408	-.26	.60
202	PROCESSA HEMPHILLI			1		1	1	.02	99.96	.17	.408	-.26	.60
203	PHYLLODOUCE MUCOSA	1				1	1	.02	99.98	.17	.408	-.26	.60
204	NOUMASTIUS CF AMERICANUS	1				1	1	.02	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	115	81	88	104	86	69	
NO. OF INDIVIDUALS	1177	412	852	842	767	425	4475

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	111	204	4475	5.6389	.9544	.3725

STATION 5 TRANSECT III PERIOD 77FALL

SPECIES	REPLICATE						TOTAL			ACC PCT	MEAN	STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT				CONF	LIM
1 PARAPHRONOSPIO PINNATA	5	10	11	10	16	5	57	6	36.00	36.00	9.50	4.135	5.16	13.04
2 NEPHIYS INCISA	6	3	3	2	4		18	5	11.39	47.47	3.00	2.000	.90	5.10
3 NEMERTINEA		3		1	10	1	15	4	9.49	56.96	2.50	3.034	-1.52	6.52
4 PARANIS GRACILIS	1	2		4		1	8	4	5.06	62.03	1.33	1.546	-.25	2.91
5 COKBOLA SWIFTIANA	1				1	4	6	3	3.80	65.82	1.00	1.549	-.63	2.63
6 NOTOMASTUS CF LATERICEUS		1		1	1	3	6	4	3.80	69.62	1.00	1.095	-.15	2.15
7 LUMBRINERIS PARVAPEDATA		2			2	1	5	3	3.16	72.78	.83	.903	-.20	1.07
8 MAGELONA LONGICORNIS	1			2		1	4	3	2.53	75.32	.67	.816	-.19	1.52
9 VULVULELLA TEXASIANA		1			1	2	4	3	2.53	77.85	.67	.816	-.19	1.52
10 NYALA SPA			3		1		4	2	2.53	80.38	.67	1.211	-.60	1.94
11 CIRROPHORUS LYRIFORMIS				2	1		3	2	1.90	82.28	.50	.837	-.38	1.38
12 MEDIUMASTUS CALIFORNIENSIS	1					2	3	2	1.90	84.18	.50	.837	-.38	1.38
13 AMPELISCA VERRILLI			1		1	1	3	3	1.90	86.08	.50	.548	-.07	1.07
14 THARYX MARIONI				1	2		3	2	1.90	87.97	.50	.837	-.38	1.38
15 SPIUNIDAE	2	1					3	2	1.90	89.87	.50	.837	-.38	1.38
16 PARANIDAE	1			1			2	2	1.27	91.14	.33	.516	-.21	.88
17 ALPHEUS SP	1		1				2	2	1.27	92.41	.33	.516	-.21	.88
18 APSEUDES SPA	1					1	2	2	1.27	93.67	.33	.516	-.21	.88
19 EUDURELLA MONODON	1				1		2	2	1.27	94.94	.33	.516	-.21	.88
20 CUSSUNA DELTA		1			1		2	2	1.27	96.20	.33	.516	-.21	.88
21 MINUSPIO LONGIRANCHIATA					1		1	1	.63	96.84	.17	.408	-.26	.60
22 DRILONEREIS MAGNA			1				1	1	.63	97.47	.17	.408	-.26	.60
23 HYDROZOA						1	1	1	.63	98.10	.17	.408	-.26	.60
24 GLYCINDE NORDMANNI	1						1	1	.63	98.73	.17	.408	-.26	.60
25 OBELIA SPA						1	1	1	.63	99.37	.17	.408	-.26	.60
26 CERATIARIA		1					1	1	.63	100.00	.17	.408	-.26	.60

NO. OF SPECIES 12 10 6 9 14 13
 NO. OF INDIVIDUALS 22 25 20 24 43 24 158

STATION 5 TRANSECT III SPECIES 26 INDIVIDUALS 158 DIVERSITY 3.5721 PIE .8420 EQUITABILITY .6923

STATION 6 TRANSECT III PERIOD 77FALL

SPECIES	REPLICATE						TOTAL				95 PCT			
	1	2	3	4	5	6	AROUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF	LIM
1 SANGUINOLARIA SANGUOLENTA						46	46	1	23.23	23.23	7.67	18.779	-12.04	27.38
2 SIPUNCULA	2	11	4	7	1	5	30	6	15.15	38.38	5.00	3.633	1.19	8.81
3 PARANIS GRACILIS	1	1	1	3	2	3	11	6	5.56	43.94	1.83	.983	.80	2.87
4 NEMERTINEA	7			3		1	11	3	5.56	49.49	1.83	2.787	-1.09	4.76
5 SIGAMBRA TENTACULATA	2	1	2	2			7	4	3.54	53.03	1.17	.983	.13	2.20
6 ALIERNOCHELATA SPA			3		2	2	7	3	3.54	56.57	1.17	1.329	-.23	2.56
7 PARANIS SPA		1	3	2		1	7	4	3.54	60.10	1.17	1.169	-.06	2.39
8 OSTRACOD SPA			4			2	6	2	3.03	63.13	1.00	1.673	-.76	2.76
9 HYBLIS CF AFFINIS			3			1	4	2	2.02	65.15	.67	1.211	-.60	1.94
10 SYLLIS SPC			1	1		1	3	3	1.52	66.67	.50	.540	-.07	1.07
11 TETRAGONUDON SPA			2			1	3	2	1.52	68.18	.50	.837	-.38	1.38
12 PHILOMEDES SPA			1			2	3	2	1.52	69.70	.50	.837	-.38	1.38
13 PARALACYDONIA PARADOXA	2		1				3	2	1.52	71.21	.50	.837	-.38	1.38
14 AMPELISCA SPA	1			1	1		3	3	1.52	72.73	.50	.540	-.07	1.07
15 CUMACEAN SPF			1		1		2	2	1.01	73.74	.33	.516	-.21	.88
16 OLIGOCHAETA	1			1			2	2	1.01	74.75	.33	.516	-.21	.88
17 COSSINA DELTA	1		1				2	2	1.01	75.76	.33	.516	-.21	.88
18 STERNASPIS SCUTATA					1	1	2	2	1.01	76.77	.33	.516	-.21	.88
19 DENTALIUM SOWERBYI		1	1				2	2	1.01	77.78	.33	.516	-.21	.88
20 LUMBRINERIS PARVAPEDATA	1		1				2	2	1.01	78.79	.33	.516	-.21	.88
21 ARMANDIA MACULATA						2	2	1	1.01	79.80	.33	.816	-.52	1.19
22 SABELLIDAE			1		1		2	2	1.01	80.81	.33	.516	-.21	.88
23 HETEROPHUXUS CF UCULATUS	1		1				2	2	1.01	81.82	.33	.516	-.21	.88
24 HYDROZOA	1						1	1	.51	82.32	.17	.408	-.26	.60
25 NINOE NIGRIPES		1					1	1	.51	82.83	.17	.408	-.26	.60
26 PROCHAETODERMA SPA			1				1	1	.51	83.33	.17	.408	-.26	.60
27 AGLAOPHAMUS CIRCINATA		1					1	1	.51	83.84	.17	.408	-.26	.60
28 EUDORELLA MONODON	1						1	1	.51	84.34	.17	.408	-.26	.60
29 SCUTOPUS SPA			1				1	1	.51	84.85	.17	.408	-.26	.60
30 THYASIRA PYGMAEA			1				1	1	.51	85.35	.17	.408	-.26	.60
31 FALCIDENS SPA			1				1	1	.51	85.86	.17	.408	-.26	.60
32 THARYX MARIONI	1						1	1	.51	86.36	.17	.408	-.26	.60
33 TANAIID SPC						1	1	1	.51	86.87	.17	.408	-.26	.60
34 NEPHYS INCISA			1				1	1	.51	87.37	.17	.408	-.26	.60
35 OHELIA SPA	1						1	1	.51	87.88	.17	.408	-.26	.60
36 STENOCHOE SP		1					1	1	.51	88.38	.17	.408	-.26	.60
37 PITAR CORDATUS		1					1	1	.51	88.89	.17	.408	-.26	.60
38 ASYCHIS SP	1						1	1	.51	89.39	.17	.408	-.26	.60
39 VOLVULELLA PERSIMILIS		1					1	1	.51	89.90	.17	.408	-.26	.60
40 DIOPATRA CUPREA		1					1	1	.51	90.40	.17	.408	-.26	.60
41 NOTOMASTUS AMERICANUS					1		1	1	.51	90.91	.17	.408	-.26	.60
42 MEDIOMASTUS CALIFORNIENSIS			1				1	1	.51	91.41	.17	.408	-.26	.60
43 MOIRA ATROPOS						1	1	1	.51	91.92	.17	.408	-.26	.60
44 STENOLEPIS CF JAPONICA					1		1	1	.51	92.42	.17	.408	-.26	.60
45 ONUPHIDAE					1		1	1	.51	92.93	.17	.408	-.26	.60
46 NOTOMASTUS CF LATERICEUS		1					1	1	.51	93.43	.17	.408	-.26	.60
47 GNATHIA SP					1		1	1	.51	93.94	.17	.408	-.26	.60
48 SAMYTHELLA ELIASONI					1		1	1	.51	94.44	.17	.408	-.26	.60
49 CYCLOCARDIA ARMILLA	1						1	1	.51	94.95	.17	.408	-.26	.60
50 VOLVULELLA TEXASIANA				1			1	1	.51	95.45	.17	.408	-.26	.60
51 PILARGIS HERKELYAE					1		1	1	.51	95.96	.17	.408	-.26	.60
52 PARAMPHINOME PULCHELLA					1		1	1	.51	96.46	.17	.408	-.26	.60
53 SCAPHOPODA					1		1	1	.51	96.97	.17	.408	-.26	.60
54 OSTRACOD SPD						1	1	1	.51	97.47	.17	.408	-.26	.60

55 TEREBELLIDES STROEMII	1			1	1	.51	97.98	.17	.408	-.26	.60
56 SPIROPHANES WIGLEYI	1			1	1	.51	98.48	.17	.408	-.26	.60
57 HANIMIDEA SUCCINEA		1		1	1	.51	98.99	.17	.408	-.26	.60
58 XFRANTHURA BREVIETLSON			1	1	1	.51	99.49	.17	.408	-.26	.60
59 CIRROPHORUS LYRIFORMIS	1			1	1	.51	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	16	12	23	13	12	20	
NO. OF INDIVIDUALS	25	22	37	25	14	75	198

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	111	59	198	4.5984	.9134	.6271

STATION 1 TRANSECT IV PERIOD 77FALL

SPECIES	REPLICATE						TOTAL ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	95 PCT CONF LIM	
	1	2	3	4	5	6								
1 LUMBRINERIS PARVAPEDATA	26	9	28	58	14	38	173	6	10.21	10.21	28.83	17.646	10.31	47.35
2 SIPUNCULA	12	25	21	37	20	39	154	6	9.09	19.29	25.67	10.463	14.69	36.65
3 NEREID(NICUM) SPA	9	16	20	40	10	32	127	6	7.49	26.78	21.17	12.432	8.12	34.22
4 PRIONOSPION STEENSTRUPI	10	3	6	27	10	21	77	6	4.54	31.33	12.83	4.239	3.14	22.53
5 SPIONIDAE	1	12	4	16	14	15	62	6	3.66	34.99	10.33	6.282	3.74	16.93
6 TELLINA VENSICOLUM	10	11	15	7	4	8	55	6	3.24	38.23	9.17	3.764	5.22	13.12
7 CORHOLA SWIFTIANA	4	5	19	12	11	2	53	6	3.13	41.36	8.83	6.369	2.15	15.52
8 THARYX ANNULOSUS	2	7	2	15	10	13	49	6	2.89	44.25	8.17	5.492	2.40	13.93
9 THARYX MARIONI	4	3	9	18		11	45	5	2.65	46.90	7.50	6.535	.64	14.36
10 MALDIANIDAE	1	6	4	9	6	13	39	6	2.30	49.20	6.50	4.135	2.16	10.84
11 NEMERTINEA	3	1	6	7	6	15	38	6	2.24	51.45	6.33	4.803	1.29	11.37
12 MUCULANA ACUTA	2	2	6	3	2	15	30	6	1.77	53.22	5.00	5.138	-.39	10.39
13 POLYCHAETE SPA	6	2		10	9	2	29	5	1.71	54.93	4.83	4.119	.51	9.16
14 CALCUM PULCHELLUM				13	4	11	28	3	1.65	56.58	4.67	5.922	-1.55	10.88
15 NOTOMASTUS CF LATERICEUS	1	11	7	2	2	5	28	6	1.65	58.23	4.67	3.830	.65	8.69
16 ASYCHIS SP	1	5	4	1	6	8	25	6	1.47	59.71	4.17	2.787	1.24	7.09
17 MAGELONA PETITIBONEAE	4	2	1	8	3	6	24	6	1.42	61.12	4.00	2.608	1.26	6.74
18 PARAPRIONOSPION PINNATA	1	2	8	6	3	3	23	6	1.36	62.48	3.83	2.639	1.06	6.60
19 MAGELONA PHYLLISAE	2	7	3	5	3	3	23	6	1.36	63.83	3.83	1.835	1.91	5.76
20 MEDIUMASTUS CALIFORNENSIS	5	1		11	3	2	22	5	1.30	65.13	3.67	3.983	-.51	7.85
21 TEREBELLIDES STROEMII	1	3	6	3	4	3	20	6	1.18	66.31	3.33	1.633	1.62	5.05
22 AMPELISCA VERRILLI	1		7	3		8	19	4	1.12	67.43	3.17	3.545	-.55	6.89
23 AMPELISCA CF CHRISTATA	1	1	5	8		3	18	5	1.06	68.50	3.00	3.033	-.18	6.18
24 PARALINIDES LYRA	3	1	6	1	6		17	5	1.00	69.50	2.83	2.639	.06	5.60
25 DIOPATRA TRIDENTATA	1	1	10	1	2	2	17	6	1.00	70.50	2.83	3.545	-.89	6.55
26 LUMBRINERIS ALBIDENTATA	4	2		5	4	2	17	5	1.00	71.50	2.83	1.835	.91	4.76
27 COSSURA DELTA	3	2	4	2	2	3	16	6	.94	72.45	2.67	.816	1.81	3.52
28 CERATONEREIS IRRITABILIS			5	6	2	3	16	4	.94	73.39	2.67	2.503	.04	5.29
29 PARALINIS GRACILIS	3	4		5	3	3	15	4	.88	74.28	2.50	2.074	.32	4.68
30 SPIOPHANES SPA	2	3		3	4	3	15	5	.88	75.16	2.50	1.378	1.05	3.95
31 UNOPHIS SPA	1	2		4	1	2	14	6	.83	75.99	2.33	1.366	.90	3.77
32 PARALINIDAE			6	2	3	2	13	4	.77	76.76	2.17	2.229	-.17	4.51
33 VARICORHOLA DISPARILIS			4	1	1	6	12	4	.71	77.46	2.00	2.449	-.57	4.57
34 LUMBRINERIS TENUIS	2	1	1	1	3	2	10	6	.59	78.05	1.67	2.733	-1.20	4.53
35 CERATOCEPHALE OCOLATA		1		7		2	10	3	.59	78.64	1.67	2.510	-1.13	4.13
36 CHAETUZONE GAYHEADIA			3			6	9	2	.53	79.17	1.50	2.049	.40	2.60
37 DIPLODONTIA CF SOROK	1	1	3	2		2	9	5	.53	79.71	1.50	1.049	.40	2.60
38 ARMANDIA MACULATA				1	1	7	9	3	.53	80.24	1.50	2.739	-1.37	4.37
39 MELINNA MACULATA		1	5	1	2		9	4	.53	80.77	1.50	1.871	-.46	3.46
40 NOTOMASTUS AMERICANUS	1		2		2	3	8	4	.47	81.24	1.33	1.211	.06	2.60
41 ARICIDEA TAYLORI	2	1		2	1	2	8	5	.47	81.71	1.33	.816	.48	2.19
42 DIOPATRA SP			5		1	2	8	3	.47	82.18	1.33	1.966	-.73	3.40
43 UNOPHIDAE	1		2	2	3		8	4	.47	82.65	1.33	1.211	.06	2.60
44 MUCULA PROXIMA			1	1		6	8	3	.47	83.13	1.33	2.338	-1.12	3.79
45 ANKA AEUVALIS				2	1	5	8	3	.47	83.60	1.33	1.966	-.73	3.40
46 CIRRHATULID-H		3		4	1		8	3	.47	84.07	1.33	1.751	-.50	3.17
47 ASYCHIS ELONGATA			1		2	4	7	3	.41	84.48	1.17	1.602	-.51	2.85
48 LUMBRINERIS CF MAGALMAENSIS			3	1	1	2	7	4	.41	84.90	1.17	1.169	-.06	2.39
49 ACILOCINA CANDEI			1	4	1	1	7	4	.41	85.31	1.17	1.472	-.38	2.71
50 AMPELISCA ABDITA	2		3			2	7	3	.41	85.72	1.17	1.329	-.23	2.56
51 ARICIDEA CF FRAGILIS		1	2			4	7	3	.41	86.14	1.17	1.602	-.51	2.85
52 GLUTIDIA PYRAMIDATA		2		2	1	2	7	4	.41	86.55	1.17	.983	.13	2.20
53 AMPELISCA SPA			2	2		2	6	3	.35	86.90	1.00	1.095	-.15	2.15
54 ISOLDA PULCHELLA	1	1		1	2	1	6	5	.35	87.26	1.00	.632	.34	1.66

55	CAULLENIELLA	SPH			5	1	6	2	.35	87.61	1.00	2.000	-1.10	3.10
56	DRILONEREIS	MAGNA		2	2	1	6	4	.35	87.96	1.00	.894	.06	1.94
57	SCOLOPLUS	RUBRA	1	2	1	1	5	4	.29	88.26	.83	.753	.04	1.62
58	ZUANHAKIA				1	1	3	3	.29	88.55	.83	1.169	-.39	2.06
59	NEPHTYS	PICIA			2	1	2	3	.29	88.85	.83	.983	-.20	1.87
60	MICROSPID	PIGMENTATA			3	1	1	3	.29	89.14	.83	1.169	-.39	2.06
61	LUMBRINERIS	JANUARI	2		1	1	2	5	.29	89.44	.83	.983	-.20	1.87
62	HABHANSUS	PAUCICHELATUS			1	2	2	5	.29	89.73	.83	.983	-.20	1.87
63	NOTOMASTUS	HEMIPHIDUS	1	3	1	1	5	3	.29	90.03	.83	1.169	-.39	2.06
64	CYLICHA	BIDENTATA		1	1	1	1	4	.24	90.27	.67	.516	.12	1.21
65	CAPITELLID	SPH	1		2		1	4	.24	90.50	.67	.816	-.19	1.52
66	TEREBELLIDAE					2	2	4	.24	90.74	.67	1.033	-.42	1.75
67	DIOPATRA	CUPREA			3		1	4	.24	90.97	.67	1.211	-.60	1.94
68	DRILONEREIS	FILUM			4			4	.24	91.21	.67	1.633	-1.05	2.30
69	CAECUM	IMBRICATUM				2	2	4	.24	91.45	.67	1.033	-.42	1.75
70	GYPIIS	VITTATA			1	3		4	.24	91.68	.67	1.211	-.60	1.94
71	STHENELEIS	HOA			2	2		4	.24	91.92	.67	1.033	-.42	1.75
72	AMPELISCA	AGASSIZI	2		2			4	.24	92.15	.67	1.033	-.42	1.75
73	LUCINA	AMIANIUS			1	2	1	4	.24	92.39	.67	.816	-.19	1.52
74	CLYMENELLA	TORQUATA	1			3		4	.24	92.63	.67	1.211	-.60	1.94
75	GLYCERA	AMERICANA		2	1	1		4	.24	92.86	.67	.816	-.19	1.52
76	DENTALIUM	TEXASIANUM			4			4	.24	93.10	.67	1.633	-1.05	2.30
77	AMPHARETE	ACUTIFRONS	1		1	1	1	4	.24	93.33	.67	.516	.12	1.21
78	CARIDEA				2	2		4	.24	93.57	.67	1.033	-.42	1.75
79	CAPITELLID	SPC				2	2	4	.24	93.81	.67	1.033	-.42	1.75
80	OPHIUROIDEA		1	1	1			3	.18	93.98	.50	.548	-.07	1.07
81	STHENELEIS	SP					3	3	.18	94.16	.50	1.225	-.79	1.79
82	AKICIDEA	JEFFREYSII			2		1	3	.18	94.34	.50	.837	-.38	1.38
83	AEDICIRA	HELGICAE	2		1			3	.18	94.51	.50	.837	-.38	1.38
84	ARENIA	FUSIFORMIS	1		1		1	3	.18	94.69	.50	.548	-.07	1.07
85	UNCIOLA	SERRATA			1	2		3	.18	94.87	.50	.837	-.38	1.38
86	DIOPATRA	CF NEOTRIDENS			2	1	1	3	.18	95.04	.50	.837	-.38	1.38
87	MAGELONA	RUSEA	2		1			3	.18	95.22	.50	.837	-.38	1.38
88	AUTOMATE	SP				1	1	2	.12	95.34	.33	.516	-.21	.88
89	ONUPHIS	NEBULOSA	2					2	.12	95.46	.33	.816	-.52	1.19
90	NATICA	CARRERA			1	1	1	2	.12	95.58	.33	.516	-.21	.88
91	CAPITELLIDAE				1	1		2	.12	95.69	.33	.516	-.21	.88
92	SPIOPHANES	BOMBYX		2				2	.12	95.81	.33	.816	-.52	1.19
93	OBELIA	SPA		1		1		2	.12	95.93	.33	.516	-.21	.88
94	GONIADIDAE			1		1		2	.12	96.05	.33	.516	-.21	.88
95	AGLADOPHAMUS	CIRCINATA				1	2	2	.12	96.17	.33	.816	-.52	1.19
96	CRASSINELLA	LUNULATA			1		1	2	.12	96.28	.33	.516	-.21	.88
97	TEREBRA	PROTEXTA	2					2	.12	96.40	.33	.816	-.52	1.19
98	ANCISTRUSYLLIS	PAPILLOSA				1	1	2	.12	96.52	.33	.516	-.21	.88
99	ENIUPISEA	SPB		1		1		2	.12	96.64	.33	.516	-.21	.88
100	PHYLLODOUCE	MUCOSA			2			2	.12	96.76	.33	.816	-.52	1.19
101	EXUGONE	SPA			2			2	.12	96.87	.33	.816	-.52	1.19
102	LUMBRINERIDAE		2					2	.12	96.99	.33	.816	-.52	1.19
103	FINELLA	DUBIA			1		1	2	.12	97.11	.33	.516	-.21	.88
104	CABINA	INCERTA				1		1	.06	97.17	.17	.408	-.26	.60
105	AMPHARETIIDAE			1				1	.06	97.23	.17	.408	-.26	.60
106	CLYTHIA	LONGICYATHA				1		1	.06	97.29	.17	.408	-.26	.60
107	SCHISTOMERINGUS	MUDOLPHI		1				1	.06	97.35	.17	.408	-.26	.60
108	NEREIS	LAMELLOSA			1			1	.06	97.40	.17	.408	-.26	.60
109	SPIOCHAETOPTERUS	COSTARUM	1					1	.06	97.46	.17	.408	-.26	.60
110	PERIPLOMA	ORRIBOLARE				1		1	.06	97.52	.17	.408	-.26	.60
111	PROCESSA	HEMPHILLI			1			1	.06	97.58	.17	.408	-.26	.60
112	GYMNOBLASTEIA				1			1	.06	97.64	.17	.408	-.26	.60
113	PHOTIS	SPB				1		1	.06	97.70	.17	.408	-.26	.60
114	MARPHYSA	SPE		1				1	.06	97.76	.17	.408	-.26	.60
115	SARSIELLA	DISPARALIS			1			1	.06	97.82	.17	.408	-.26	.60
116	PHILINE	SAGRA				1	1	1	.06	97.88	.17	.408	-.26	.60

117	POLYCIRRUS SPA					.06	97.94	.17	.408	-.26	.60
118	NEPHYTS MAGELLANICA					.06	97.99	.17	.408	-.26	.60
119	SAHELLIDAE					.06	98.05	.17	.408	-.26	.60
120	CIRRHATULIDAE					.06	98.11	.17	.408	-.26	.60
121	NEREIS SPA					.06	98.17	.17	.408	-.26	.60
122	AMPHICIELIS GUNNERI					.06	98.23	.17	.408	-.26	.60
123	EULERAMUS PRAELONGUS					.06	98.29	.17	.408	-.26	.60
124	PHOTIS MACROMANUS					.06	98.35	.17	.408	-.26	.60
125	HEMICYCLUPS SP					.06	98.41	.17	.408	-.26	.60
126	URRINIIDAE					.06	98.47	.17	.408	-.26	.60
127	SCOLOPLOS TEXANA					.06	98.53	.17	.408	-.26	.60
128	GLYCERA PAPILLOSA					.06	98.58	.17	.408	-.26	.60
129	SPIOPHANES SP					.06	98.64	.17	.408	-.26	.60
130	SAHELLARIA VULGARIS					.06	98.70	.17	.408	-.26	.60
131	VULVOLELLA PERSIMILIS					.06	98.76	.17	.408	-.26	.60
132	NEPHYTS INCISA					.06	98.82	.17	.408	-.26	.60
133	VIHINELLA FLORIDANA					.06	98.88	.17	.408	-.26	.60
134	HYDROIDES PROTULICOLA					.06	98.94	.17	.408	-.26	.60
135	RENILLA MULLERI					.06	99.00	.17	.408	-.26	.60
136	PALLANGIUS HETEROSEJA					.06	99.06	.17	.408	-.26	.60
137	HESIONIIDAE					.06	99.12	.17	.408	-.26	.60
138	PISTA CRISTATA					.06	99.17	.17	.408	-.26	.60
139	PRIONOSPID CRISTATA					.06	99.23	.17	.408	-.26	.60
140	CHIUNE SP					.06	99.29	.17	.408	-.26	.60
141	LISTRIELLA HARNARDI					.06	99.35	.17	.408	-.26	.60
142	AMAEANA TRILOBATA					.06	99.41	.17	.408	-.26	.60
143	PINNOATHERIDAE					.06	99.47	.17	.408	-.26	.60
144	MEGALUMMA CF QUADRIUCULATUM					.06	99.53	.17	.408	-.26	.60
145	MACOMA LENTA					.06	99.59	.17	.408	-.26	.60
146	DIPLODONTA SPA					.06	99.65	.17	.408	-.26	.60
147	SIPHONOLEPIS CF JAPONICA					.06	99.71	.17	.408	-.26	.60
148	HIPPOMEDON CF SERRATUS					.06	99.76	.17	.408	-.26	.60
149	SARSIELLA SPF					.06	99.82	.17	.408	-.26	.60
150	KURTZIELLA CF RUBELLA					.06	99.88	.17	.408	-.26	.60
151	LAONICE CIRRHATA					.06	99.94	.17	.408	-.26	.60
152	CERATOCEPHALE CF OCOLATA					.06	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	51	48	76	87	66	83	
NO. OF INDIVIDUALS	154	179	298	443	216	405	1695

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	IV	152	1695	5.7622	.9643	.5461

SPECIES	REPLICATE						TOTAL					95 PCT		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN	STD	CONF LIM	
1 NEMENTINEA	3	3	7	11		1	25	5	11.79	11.79	4.17	4.119	- .16	8.49
2 PARANIS GRACILIS	2	5	1	6	2	4	24	6	9.43	21.23	3.33	1.966	1.27	5.40
3 PARAPRIONOSPID PINNATA	2	5	2	2	1	6	18	6	8.49	29.72	3.00	2.000	.90	5.10
4 NEPHYS INCISA	4	3	2			3	12	4	5.66	35.38	2.00	1.673	.24	3.76
5 CUSSURA DELTA	1	6		1	3		11	4	5.19	40.57	1.83	2.317	-.60	4.26
6 MAGELONA LONGICORNIS	2	3	1			2	8	4	3.77	44.34	1.33	1.211	.06	2.60
7 SIPUNCULA		2	2	2	1		7	4	3.30	47.64	1.17	.983	.13	2.20
8 POLYCHAETE SPA			6		1		7	2	3.30	50.94	1.17	2.401	-1.35	3.69
9 SPIONIDAE	4			3			7	2	3.30	54.25	1.17	1.835	-.76	3.09
10 PHORONIDA			7				7	1	3.30	57.55	1.17	2.858	-1.83	4.17
11 PARANIS SPA			3	2		2	7	3	3.30	60.85	1.17	1.329	-.23	2.56
12 HETEROPHOXUS CF OCVLATUS	1	2	1	1	1	1	7	6	3.30	64.15	1.17	.408	.74	1.60
13 CORBULA SWIFTIANA			1	1		3	5	3	2.36	66.51	.83	1.169	-.39	2.06
14 PARANIDAE	1		2			1	4	3	1.89	68.40	.67	.816	-.19	1.52
15 THYASIRA SPA		1		1		2	4	3	1.89	70.28	.67	.816	-.19	1.52
16 OPHIUROIDEA	1	1	1			1	4	4	1.89	72.17	.67	.516	.12	1.21
17 NOTOMASTUS CF LATERICEUS			2		1		3	2	1.42	73.50	.50	.837	-.38	1.38
18 PINNULIHERMIDAE			1	1		1	3	3	1.42	75.00	.50	.548	-.07	1.07
19 ARICIDEA NEOSUECICA				2		1	3	2	1.42	76.42	.50	.837	-.38	1.38
20 TELLINA VERSICOLOR		2	1				3	2	1.42	77.83	.50	.837	-.38	1.38
21 AMPELISCA VERRILLI		2				1	3	2	1.42	79.25	.50	.837	-.38	1.38
22 KALLIAPSEUDES SPA	1					1	2	2	.94	80.19	.33	.516	-.21	.88
23 LAUNICE CIRRHATA		1			1		2	2	.94	81.13	.33	.516	-.21	.88
24 LANAID SPH			2				2	1	.94	82.08	.33	.816	-.52	1.19
25 NEREID(NICON) SPA				1		1	2	2	.94	83.02	.33	.516	-.21	.88
26 PILARGIS HERKELYAE		2					2	1	.94	83.96	.33	.816	-.52	1.19
27 DIOPATRA TRIDENTATA					1	1	2	2	.94	84.91	.33	.516	-.21	.88
28 GONIADA NORVEGICA					2		2	1	.94	85.85	.33	.816	-.52	1.19
29 ONUPHIS SPA						2	2	1	.94	86.79	.33	.816	-.52	1.19
30 CIMPHOPHUS LYRIFORMIS			1		1		2	2	.94	87.74	.33	.516	-.21	.88
31 AUTOMATE EVERMANNI	1		1				2	2	.94	88.68	.33	.516	-.21	.88
32 LUMHKINERIS PARVAPEDATA			1			1	2	2	.94	89.62	.33	.516	-.21	.88
33 LUMHKINERIS ALTRIDENTATA			1				1	1	.47	90.09	.17	.408	-.26	.60
34 ONUPHIDAE					1		1	1	.47	90.57	.17	.408	-.26	.60
35 THARYX MARIONI		1					1	1	.47	91.04	.17	.408	-.26	.60
36 VARICORBULA DISPANILIS				1			1	1	.47	91.51	.17	.408	-.26	.60
37 PISTA CRISTATA	1						1	1	.47	91.98	.17	.408	-.26	.60
38 VOLVULELLA TEXASIANA						1	1	1	.47	92.45	.17	.408	-.26	.60
39 ANACHIS CALLIGLYPTA						1	1	1	.47	92.92	.17	.408	-.26	.60
40 ARICIDEA CF FRAGILIS					1		1	1	.47	93.40	.17	.408	-.26	.60
41 SCOLOPLUS TEXANA				1			1	1	.47	93.87	.17	.408	-.26	.60
42 AMPHANEIIDAE						1	1	1	.47	94.34	.17	.408	-.26	.60
43 ASYCHIS SP				1			1	1	.47	94.81	.17	.408	-.26	.60
44 POLYCIRRUS SPA	1						1	1	.47	95.28	.17	.408	-.26	.60
45 EULIMA BIFASCIATA						1	1	1	.47	95.75	.17	.408	-.26	.60
46 MALDANIDAE		1					1	1	.47	96.23	.17	.408	-.26	.60
47 MARPHYSA SPA				1			1	1	.47	96.70	.17	.408	-.26	.60
48 NINOE NIGRIPES					1		1	1	.47	97.17	.17	.408	-.26	.60
49 OHELIA SPA		1					1	1	.47	97.64	.17	.408	-.26	.60
50 OPHIOGLYCERA DISTORTA	1						1	1	.47	98.11	.17	.408	-.26	.60
51 GONIADIDAE					1		1	1	.47	98.58	.17	.408	-.26	.60
52 GLYCERA TESSELATA	1						1	1	.47	99.06	.17	.408	-.26	.60
53 SCOLOPLUS RUBRA			1				1	1	.47	99.53	.17	.408	-.26	.60
54 HYALA SPA						1	1	1	.47	100.00	.17	.408	-.26	.60

NO. OF SPECIES 16 18 22 16 15 24
 NO. OF INDIVIDUALS 27 42 47 37 19 40 212

STATION TRANSECT SPECIES INDIVIDUALS DIVERSITY P/E EQUITABILITY
 2 IV 54 212 4.9911 .9565 .8889

STATION 3 TRANSECT IV PERIOD 77FALL

SPECIES	REPLICATE						TOTAL					95 PCT CONF LIM		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		STD	
1 SIPUNCULA	13	20	20	19	13	15	100	6	19.57	19.57	16.67	3.386	13.11	20.22
2 ONUPHIS SPH	2	7	7	4	2	1	23	6	4.50	24.07	3.83	2.639	1.06	6.60
3 RUTIDERMA SPA		5	13	2		3	23	4	4.50	28.57	3.83	4.875	-1.20	8.95
4 PARAMPHINOME PULCHELLA	4	11	3	1	1		20	5	3.91	32.49	3.33	4.033	-.90	7.57
5 CORNULA SWIFTIANA	1	1	6	3	6		17	5	3.33	35.81	2.83	2.639	.06	5.60
6 OSTRACOD SPD			1		7	5	13	3	2.54	38.36	2.17	3.061	-1.05	5.38
7 MALDANIDAE	2	2		1	4	2	11	5	2.15	40.51	1.83	1.329	.44	3.23
8 COSSURA DELTA	2		3	2	2	1	10	5	1.96	42.47	1.67	1.033	.58	2.75
9 PARADONIS GRACILIS		3		1	6		10	3	1.96	44.42	1.67	2.422	-.48	4.21
10 MAGELONA LONGICORNIS	2	2	2	1	2	1	10	6	1.96	46.38	1.67	.516	1.12	2.21
11 THARYX MARIONI		3	2	1	2	1	9	5	1.76	48.14	1.50	1.049	.40	2.60
12 THARYX ANNULOSUS		2	1	2	1	2	8	5	1.57	49.71	1.33	.816	.48	2.19
13 CAPITELLIDAE		2		1	3	2	8	4	1.57	51.27	1.33	1.211	.06	2.60
14 PARALACYDONIA PARADOXA	1	1	3	1	1		7	5	1.37	52.64	1.17	.983	.13	2.20
15 PTILANTHURA CF TRICARINA			7				7	1	1.37	54.01	1.17	2.858	-1.83	4.17
16 NEMERTINEA		4	2			1	7	3	1.37	55.30	1.17	1.602	-.51	2.85
17 PIPAR CORDATUS		2	1	2	2		7	4	1.37	56.75	1.17	.983	.13	2.20
18 PARAPRIONUSPID PINNATA	2	2	1		1		6	4	1.17	57.93	1.00	.894	.06	1.94
19 APANTHURA MAGNIFICA		1	4			1	6	3	1.17	59.10	1.00	1.549	-.63	2.63
20 SABELLIDAE				1	3	2	6	3	1.17	60.27	1.00	1.265	-.33	2.33
21 PHORONIDA		1		1		3	5	3	.98	61.25	.83	1.169	-.39	2.06
22 OPHEUROIDEA			1	3		1	5	3	.98	62.23	.83	1.169	-.39	2.06
23 ALTERNOCHELATA SPA			1		2	2	5	3	.98	63.21	.83	.983	-.20	1.87
24 ONUPHIS SPA	1	2		1	1		5	4	.98	64.19	.83	.753	.04	1.62
25 SPHAFROSYLLIS CF SUBLAEVIS		3			1	1	5	3	.98	65.17	.83	1.169	-.39	2.06
26 NEPHYIIDAE		2	1			2	5	3	.98	66.14	.83	.983	-.20	1.87
27 SIGAMBRA TENTACULATA		1	1			3	5	3	.98	67.12	.83	1.169	-.39	2.06
28 SPIOPHANES WIGLEYI		1	1	1		1	4	4	.78	67.91	.67	.516	.12	1.21
29 TEREMELLIDES STROEMII			2	1	1		4	3	.78	68.69	.67	.816	-.19	1.52
30 ASYCHIS SP		1	3				4	2	.78	69.47	.67	1.211	-.60	1.94
31 ONUPHIS SPF	1			2	1		4	3	.78	70.25	.67	.816	-.19	1.52
32 POLYCHAETE SPA		2		1		1	4	3	.78	71.04	.67	.816	-.19	1.52
33 SPIONIDAE		1		1		2	4	3	.78	71.82	.67	.816	-.19	1.52
34 BRYOZOA		1		1	1	1	4	4	.78	72.60	.67	.516	.12	1.21
35 NEREID SPD			2	1			3	2	.59	73.19	.50	.837	-.38	1.38
36 LUMBRINERIS TENUIS		2			1		3	2	.59	73.78	.50	.837	-.38	1.38
37 GONIADA NORVEGICA	1			1	1		3	3	.59	74.36	.50	.548	-.07	1.07
38 AUTOMATE EVERMANNI			1	1	1		3	3	.59	74.95	.50	.548	-.07	1.07
39 CUMACEAN SPG	1	2					3	2	.59	75.54	.50	.837	-.38	1.38
40 ONUPHIDAE		2			1		3	2	.59	76.13	.50	.837	-.38	1.38
41 ABRA AEGUALIS			3				3	1	.59	76.71	.50	1.225	-.79	1.79
42 PISTA CRISTATA		1		1		1	3	3	.59	77.30	.50	.548	-.07	1.07
43 AMPELISCA SPA			1	1		1	3	3	.59	77.89	.50	.548	-.07	1.07
44 SIERNASPIS SCUTATA		1		1	1		3	3	.59	78.47	.50	.548	-.07	1.07
45 PSEUDOPHILUMEDES SPH		2					2	1	.39	78.86	.33	.816	-.52	1.19
46 NOTOMASTUS LATERICEUS			1			1	2	2	.39	79.26	.33	.516	-.21	.88
47 LAONICE CIRRATA			2				2	1	.39	79.65	.33	.816	-.52	1.19
48 AGLAOPHAMIUS CIRGINATA		1			1		2	2	.39	80.04	.33	.516	-.21	.88
49 SYLLIS SPB			1	1			2	2	.39	80.43	.33	.516	-.21	.88
50 CERIANTHARIA			1		1		2	2	.39	80.82	.33	.516	-.21	.88
51 CHASMOCARCINUS MISSISSIPPIENSIS	1					1	2	2	.39	81.21	.33	.516	-.21	.88
52 HALIOPHARMA SPA	1				1		2	2	.39	81.60	.33	.516	-.21	.88
53 UNCIOLA SENNATA					1	1	2	2	.39	82.00	.33	.516	-.21	.88
54 MARPHYSA SPD			1	1			2	2	.39	82.39	.33	.516	-.21	.88

55 SPIOPHANES SPA	1	1			2	2	.39	82.78	.33	.516	-.21	.88
56 TEREBELLID SPA	1	1			2	2	.39	83.17	.33	.516	-.21	.88
57 OWENIA FUSIFORMIS	1	1			2	2	.39	83.56	.33	.516	-.21	.88
58 NOTOCIRRUS CF SPINIFERUS			1	1	2	2	.39	83.95	.33	.516	-.21	.88
59 PARANIS SPA			1	1	2	2	.39	84.34	.33	.516	-.21	.88
60 MAGELONA ROSEA	1				2	2	.39	84.74	.33	.516	-.21	.88
61 FABRICIA SPA				2	2	1	.39	85.13	.33	.816	-.52	1.19
62 MAGELONA SPA			1	1	2	2	.39	85.52	.33	.516	-.21	.88
63 AMPHARETE ACUTIFRONS	2				2	1	.39	85.91	.33	.816	-.52	1.19
64 POLYDORA CF HARTMANAE			1	1	2	2	.39	86.30	.33	.516	-.21	.88
65 SPIOPHANES LONGICIRRUS				2	2	1	.39	86.69	.33	.816	-.52	1.19
66 MARCHYSA SPA	1			1	2	2	.39	87.08	.33	.516	-.21	.88
67 ARICIDEA NEOSUECICA	1			1	2	2	.39	87.48	.33	.516	-.21	.88
68 DENTALIUM SOWERBYI		1	1		2	2	.39	87.87	.33	.516	-.21	.88
69 HETEROPHOXUS CF OCOLATUS	1		1		2	2	.39	88.26	.33	.516	-.21	.88
70 HIPPOMEDON CF SERRATUS	2				2	1	.39	88.65	.33	.816	-.52	1.19
71 TANAID SPE	1				1	1	.20	88.85	.17	.408	-.26	.60
72 SIGALIONIDAE	1				1	1	.20	89.04	.17	.408	-.26	.60
73 PHYLLODOCE MUCOSA			1	1	1	1	.20	89.24	.17	.408	-.26	.60
74 PRIONOSPID STEENSTRUPI			1	1	1	1	.20	89.43	.17	.408	-.26	.60
75 DORVILLEIDAE	1				1	1	.20	89.63	.17	.408	-.26	.60
76 OPHELIIDAE				1	1	1	.20	89.82	.17	.408	-.26	.60
77 CERATOCEPHALE OCOLATA	1				1	1	.20	90.02	.17	.408	-.26	.60
78 ASYCHIS CAROLINAE	1				1	1	.20	90.22	.17	.408	-.26	.60
79 SIGAMBRA HASSI		1			1	1	.20	90.41	.17	.408	-.26	.60
80 HETEROSPID LONGISSIMA				1	1	1	.20	90.61	.17	.408	-.26	.60
81 PILARGIIDAE			1		1	1	.20	90.80	.17	.408	-.26	.60
82 JASMINEIRA SP	1	1			1	1	.20	91.00	.17	.408	-.26	.60
83 GONIADIDAE	1				1	1	.20	91.19	.17	.408	-.26	.60
84 AMAEANA TRILUHATA	1				1	1	.20	91.39	.17	.408	-.26	.60
85 ORILONEREIS MAGNA	1				1	1	.20	91.59	.17	.408	-.26	.60
86 PHILINE SAGRA			1	1	1	1	.20	91.78	.17	.408	-.26	.60
87 EUNICE SPA		1			1	1	.20	91.98	.17	.408	-.26	.60
88 AMYGDALUM PAPYRUM			1	1	1	1	.20	92.17	.17	.408	-.26	.60
89 HARBANSUS PAUCICHELATUS		1			1	1	.20	92.37	.17	.408	-.26	.60
90 ASYCHIS ELONGATA			1	1	1	1	.20	92.56	.17	.408	-.26	.60
91 AGLAOPHAMUS SP			1	1	1	1	.20	92.76	.17	.408	-.26	.60
92 TANAID SPP				1	1	1	.20	92.95	.17	.408	-.26	.60
93 AGLAOPHAMUS INERMIS	1				1	1	.20	93.15	.17	.408	-.26	.60
94 PARANIDAE		1			1	1	.20	93.35	.17	.408	-.26	.60
95 LUMBRINERIS PARVAPEDATA			1	1	1	1	.20	93.54	.17	.408	-.26	.60
96 TEREBELLIDAE			1	1	1	1	.20	93.74	.17	.408	-.26	.60
97 CHAETOPTERIDAE			1	1	1	1	.20	93.93	.17	.408	-.26	.60
98 MAGELONA PETTIBONEAE			1	1	1	1	.20	94.13	.17	.408	-.26	.60
99 CUMACEAN SPI	1				1	1	.20	94.32	.17	.408	-.26	.60
100 EPITONIUM MULTISTRIATUM			1	1	1	1	.20	94.52	.17	.408	-.26	.60
101 GNATHIA SP			1	1	1	1	.20	94.72	.17	.408	-.26	.60
102 ONUPHIS SPD	1				1	1	.20	94.91	.17	.408	-.26	.60
103 TELLINA VERSICOLOR			1	1	1	1	.20	95.11	.17	.408	-.26	.60
104 CUMACEAN SPD			1	1	1	1	.20	95.30	.17	.408	-.26	.60
105 CHAETOXINE GAYHEADIA		1			1	1	.20	95.50	.17	.408	-.26	.60
106 DASYBRANCHIUS SP	1				1	1	.20	95.69	.17	.408	-.26	.60
107 NOTOCIRRUS SP	1				1	1	.20	95.89	.17	.408	-.26	.60
108 CALLIANASSA LATISPINA			1	1	1	1	.20	96.09	.17	.408	-.26	.60
109 NERPIDAE	1				1	1	.20	96.28	.17	.408	-.26	.60
110 AMPELISCA ARDITA		1			1	1	.20	96.48	.17	.408	-.26	.60
111 OSTRACOD SPNB			1	1	1	1	.20	96.67	.17	.408	-.26	.60
112 VOLVULELLA PERSIMILIS		1			1	1	.20	96.87	.17	.408	-.26	.60
113 VARIORHULA DISPANILIS		1			1	1	.20	97.06	.17	.408	-.26	.60
114 NEPHTYS INCISA			1	1	1	1	.20	97.26	.17	.408	-.26	.60
115 NYHLIS CF AFFINIS				1	1	1	.20	97.46	.17	.408	-.26	.60
116 MEDIUMASTUS CALIFORNIENSIS	1				1	1	.20	97.65	.17	.408	-.26	.60

117	SCUTOPUS SPA	1				1	1	.20	97.85	.17	.408	-.26	.60
118	OPHIODROMUS OBSCURUS		1			1	1	.20	98.04	.17	.408	-.26	.60
119	EUDDRELLA MONODON			1		1	1	.20	98.24	.17	.408	-.26	.60
120	NINOE NIGRIPES		1			1	1	.20	98.43	.17	.408	-.26	.60
121	PISTA SP		1			1	1	.20	98.63	.17	.408	-.26	.60
122	STREMOLEPIS CF JAPONICA			1		1	1	.20	98.83	.17	.408	-.26	.60
123	HYALA SPA				1	1	1	.20	99.02	.17	.408	-.26	.60
124	OXYUROSTYLIS SP				1	1	1	.20	99.22	.17	.408	-.26	.60
125	POECILOCHAETUS JOHNSONI		1			1	1	.20	99.41	.17	.408	-.26	.60
126	GONIADA MACULATA		1			1	1	.20	99.61	.17	.408	-.26	.60
127	ARICIDEA TAYLORI		1			1	1	.20	99.80	.17	.408	-.26	.60
128	AMPHARETIIDAE		1			1	1	.20	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	21	56	47	39	45	49	
NO. OF INDIVIDUALS	41	119	114	69	87	81	511

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	IV	128	511	5.7725	.9506	.6484

STATION 4 TRANSECT IV PERIOD 77FALL

SPECIES	REPLICATE						TOTAL					STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		CONF	LIM
1 CLYMFNELLA TORQUATA	33	24	24	65	25	47	214	6	7.26	7.26	35.67	17.270	17.54	53.79
2 LUMBRINERIS PARVAPEDATA	34	24	11	58	15	71	213	6	7.23	14.49	35.50	24.172	10.13	60.87
3 ISOLDA PULCHELLA	46	6	18	23	23	53	169	6	5.73	20.22	28.17	17.792	9.49	46.84
4 MEDIOMASTUS CALIFORNENSIS	31	17	6	47	15	50	166	6	5.63	25.86	27.67	10.041	8.73	46.60
5 CAECUM PULCHELLUM	46			3	1	115	165	4	5.60	31.46	27.50	46.505	-21.31	76.31
6 PARAUVIDES LYRA	27	58	3	43	9	22	162	6	5.50	36.95	27.00	20.698	5.28	48.72
7 MAGELONA PHYLLISAE	27	11	9	33	8	48	136	6	4.61	41.57	22.67	16.150	5.71	39.63
8 DIPLODONTA CF SURUM	26	20	4	5		30	85	5	2.88	44.45	14.17	12.750	.78	27.55
9 TELLINA VERSICOLOR	2	22	3	11	2	39	79	6	2.68	47.13	13.17	14.851	-2.42	28.75
10 NEMERTINEA	10	1	6	12	2	48	79	6	2.68	49.81	13.17	17.600	-5.31	31.64
11 MALDANIDAE	15	7	10	10	6	28	76	6	2.58	52.39	12.67	8.140	4.12	21.21
12 VARICORHOLA DISPARILIS	9	16	5	15	16	14	75	6	2.54	54.94	12.50	4.506	7.77	17.23
13 LUMBRINERIS TENUIS	15	6	3	15	3	23	65	6	2.21	57.14	10.83	8.110	2.32	19.35
14 PARAPRIONOSPIO PINNATA	9	7	7	4	4	31	62	6	2.10	59.25	10.33	10.309	-.49	21.15
15 CORHOLA SWIFTIANA	12	5	1	40		4	62	5	2.10	61.35	10.33	15.135	-5.55	26.22
16 AMPELISCA SPB	2	15	2	8		19	46	5	1.56	62.91	7.67	7.815	-.54	15.87
17 XENANTHURA BREVITELSON	9	5	5	12	3	12	46	6	1.56	64.47	7.67	3.802	3.59	11.74
18 MAGELONA PEITIMONAE	11	5	1	11	5	11	44	6	1.49	65.97	7.33	4.274	2.85	11.82
19 AGLAUPHAMUS CIRCINATA	6	4	3	7	1	15	36	6	1.22	67.19	6.00	4.899	.86	11.14
20 RUTIDERMA SPB	6	2	3	13		9	33	5	1.12	68.31	5.50	4.848	.41	10.59
21 ANADARA TRANSVERSA	1	23		3	4	2	33	5	1.12	69.43	5.50	8.689	-3.62	14.62
22 PARAUVIDAE	10	1		12	2	4	29	5	.98	70.41	4.83	4.997	-.41	10.00
23 POLYCHAETE SPA	3	5	1		9	7	25	5	.85	71.26	4.17	3.488	.51	7.83
24 THARYX MARIUM	10	4		1	1	8	24	5	.81	72.07	4.00	4.147	-.35	8.35
25 NEUMEGAMPHOPUS SP		10		2		11	23	3	.78	72.85	3.83	5.231	-1.66	9.32
26 ALIGENA TEXASTANA	5	1	4	4		7	21	5	.71	73.57	3.50	2.588	.78	6.22
27 NEREID(NICID) SPA	5		4	3	1	8	21	5	.71	74.28	3.50	2.881	.48	6.52
28 AMPELISCA VERMILLI	1	3	1	3	2	10	20	6	.68	74.96	3.33	3.386	-.22	6.89
29 CYLICHOHA BIDENTATA	7	3		1		8	19	4	.64	75.60	3.17	3.545	-.55	6.89
30 DIOPATRA CUPREA	5	2	1	8	3		19	5	.64	76.25	3.17	2.927	.09	6.24
31 EXOGONE DISPAR		4	2	2	7	4	19	5	.64	76.89	3.17	2.401	.65	5.69
32 ANICIDEA TAYLORI	2	1		6	1	7	17	5	.58	77.47	2.83	2.927	-.24	5.91
33 AGLAUPHAMUS VERMILLI		3	3	3	1	7	17	5	.58	78.05	2.83	2.401	.31	5.35
34 PARAUVIDES GRACILIS	3		1	7	2	3	16	5	.54	78.59	2.67	2.422	.12	5.21
35 GONIADA LITTOREA	6	1	1	1	1	6	16	6	.54	79.13	2.67	2.582	-.04	5.38
36 DIOPATRA CF NEOTRIDENS		2	3		7	3	15	4	.51	79.64	2.50	2.588	-.22	5.22
37 SIPUNCULA	4	1		3		7	15	4	.51	80.15	2.50	2.739	-.37	5.37
38 ABRA AEGUALIS	1	2	1	4		6	14	5	.48	80.62	2.33	2.251	-.03	4.70
39 PHOTIS SPB	2			6		6	14	3	.48	81.10	2.33	2.944	-.76	5.42
40 UNOPHIS SPF	6	4		3			13	3	.44	81.54	2.17	2.563	-.52	4.86
41 SPIONIDAE	7			2		3	12	3	.41	81.95	2.00	2.757	-.89	4.89
42 LUCINA AMIANTUS	7	1			1	3	12	4	.41	82.35	2.00	2.683	-.82	4.82
43 ANICIDEA JEFFREYSII	5	2				4	11	3	.37	82.73	1.83	2.229	-.51	4.17
44 ASYCHIS ELONGATA			5	1	3	2	11	4	.37	83.10	1.83	1.941	-.20	3.87
45 OPHIURIDEA	1	1		2	4	3	11	5	.37	83.47	1.83	1.472	.29	3.58
46 SPIOPHANES SPA	1			2	2	6	11	4	.37	83.85	1.83	2.229	-.51	4.17
47 GYPTIS VITTATA	1		1	5	2	1	10	5	.34	84.19	1.67	1.751	-.17	3.50
48 CUDRPHIID SPA	1	4		2		3	10	4	.34	84.53	1.67	1.633	-.05	3.38
49 OLENIA FUSIFORMIS		1	1	1	2	5	10	5	.34	84.87	1.67	1.751	-.17	3.50
50 NEMFIS LAMELLOSA		5		3	1	1	10	4	.34	85.21	1.67	1.966	-.40	3.73
51 AMPELISCA ABDITA		9					9	1	.31	85.51	1.50	3.674	-2.36	5.36
52 PERIPLONA MARGARITACEUM	1	2	2	2		2	9	5	.31	85.82	1.50	.837	.62	2.38
53 TEREBELLIDES STRIDEMII	2		1	2	1	3	9	5	.31	86.12	1.50	1.049	.40	2.60
54 UNOPHIS GEBULOSA			1	1	1	6	9	4	.31	86.43	1.50	2.258	-.87	3.87

55	BARBATIA CANDIDA			3	2	4	9	3	.31	86.73	1.50	1.761	-.35	3.35
56	CAECUM IMBRICATUM	2				7	9	2	.31	87.04	1.50	2.811	-1.45	4.45
57	ARICIDEA CF FRAGILIS		3	3	2	1	9	4	.31	87.34	1.50	1.378	.05	2.95
58	NEPHTYS PICIA			6		2	8	2	.27	87.61	1.33	2.422	-1.21	3.88
59	PHORONIDA				1	1	6	3	.27	87.89	1.33	2.338	-1.12	3.79
60	PALEANOTUS HETEROSETA		3	1		4	8	3	.27	88.16	1.33	1.751	-.50	3.17
61	LUMBRINERIS JANUARI		1	2	1	4	8	4	.27	88.43	1.33	1.506	-.25	2.91
62	ASYCHIS SP	3		3	2		8	3	.27	88.70	1.33	1.506	-.25	2.91
63	AMPELISCA CF CRISTATA		1			6	7	2	.24	88.94	1.17	2.401	-1.35	3.69
64	MAGELONA LONGICORNIS		1		6		7	2	.24	89.18	1.17	2.401	-1.35	3.69
65	DIOPATRA SP		3	1	1	2	7	4	.24	89.41	1.17	1.169	-.06	2.39
66	SCHISTOMERINGUS RUDOLPHI			4		2	6	2	.20	89.62	1.00	1.673	-.76	2.76
67	AMELENA TRILOHATA	1			3	2	6	3	.20	89.82	1.00	1.265	-.33	2.33
68	AMPHARETE ACUTIFRONS		3			3	6	2	.20	90.02	1.00	1.549	-.63	2.63
69	PISTA CRISTATA	3			2	1	6	3	.20	90.23	1.00	1.265	-.33	2.33
70	NEREID SPH	6					6	1	.20	90.43	1.00	2.449	-1.57	3.57
71	CERATOCEPHALE OCULATA	4	2				6	2	.20	90.63	1.00	1.673	-.76	2.76
72	SPIOPHANES SP	1			4		5	2	.17	90.80	.83	1.602	-.85	2.51
73	LUMBRINERIDAE				5		5	1	.17	90.97	.83	2.041	-1.31	2.98
74	GLYCENA AMERICANA	2	2		1		5	3	.17	91.14	.83	.983	-.20	1.87
75	POLYCIKKUS SPA	1			1	3	5	3	.17	91.31	.83	1.169	-.39	2.06
76	LUCINA MULTILINEATA	4				1	5	2	.17	91.48	.83	1.602	-.85	2.51
77	SYNHELIDIUM CF AMERICANUM					5	5	1	.17	91.65	.83	2.041	-1.31	2.98
78	LYONSIA HYALINA FLORIDANA	2			1	2	5	3	.17	91.82	.83	.983	-.20	1.87
79	PARASTENOPE LATA		2			2	4	2	.14	91.96	.67	1.033	-.42	1.75
80	AUTOMATE EVERMANNI		1		1	1	4	4	.14	92.09	.67	.516	-.12	1.21
81	ACTEUCINA CANDEI	1				3	4	2	.14	92.23	.67	1.211	-.60	1.94
82	MICROSPID PIGMENTATA			1	1	2	4	3	.14	92.37	.67	.816	-.19	1.52
83	UNIPHIS EREMITA			1		2	4	3	.14	92.50	.67	.816	-.19	1.52
84	NOTOMASTIUS HEMIPODUS				2		4	2	.14	92.64	.67	1.033	-.42	1.75
85	SIRENELAIS BOA	1	2		1		4	3	.14	92.77	.67	.816	-.19	1.52
86	EUPANTHALIS KINBERGI		2		1	1	4	3	.14	92.91	.67	.816	-.19	1.52
87	UNIPHIDAE		3		1		4	2	.14	93.04	.67	1.211	-.60	1.94
88	SPIOPHANES BOMBYX		1	1		1	4	4	.14	93.18	.67	.516	-.12	1.21
89	MAGELONA ROSEA		1			3	4	2	.14	93.32	.67	1.211	-.60	1.94
90	NATICA CANRENA	2			2		4	2	.14	93.45	.67	1.033	-.42	1.75
91	GLUTIIDIA PYRAMIDATA	1			2	1	4	3	.14	93.59	.67	.816	-.19	1.52
92	NOTOMASTIUS AMERICANUS	1				2	4	3	.14	93.72	.67	.816	-.19	1.52
93	CUMACEAN SPI		1		1	1	3	3	.10	93.82	.50	.548	-.07	1.07
94	SINUM MACULATUM			1	1		3	3	.10	93.93	.50	.548	-.07	1.07
95	PHOTIS MACROMANUS					3	3	1	.10	94.03	.50	1.225	-.79	1.79
96	SPIUCHALOPTIENUS COSTARUM	1				2	3	2	.10	94.13	.50	.837	-.38	1.38
97	VOLVULELLA PERSIMILIS			1		2	3	2	.10	94.23	.50	.837	-.38	1.38
98	LADNICE CIRRATA		1			2	3	2	.10	94.33	.50	.837	-.38	1.38
99	NASSARIIDAE					3	3	1	.10	94.44	.50	1.225	-.79	1.79
100	THARYX ANNULOSUS	1	2		1		3	2	.10	94.54	.50	.837	-.38	1.38
101	CHIONE CLENCHI	1	1				3	3	.10	94.64	.50	.548	-.07	1.07
102	APSEUDES SPA					3	3	1	.10	94.74	.50	1.225	-.79	1.79
103	TEREBELLIDAE		1		1	1	3	3	.10	94.84	.50	.548	-.07	1.07
104	MUCILANA ACUTA	2				1	3	2	.10	94.94	.50	.837	-.38	1.38
105	CABINA INCERTA		2			1	3	2	.10	95.05	.50	.837	-.38	1.38
106	PISTA PALMATA		2			1	3	2	.10	95.15	.50	.837	-.38	1.38
107	SCHISTOMERINGUS SPA		1			2	3	2	.10	95.25	.50	.837	-.38	1.38
108	AEDICIRA BELGICAE		1			1	3	3	.10	95.35	.50	.548	-.07	1.07
109	MALOMA TENTA	1		1	1		3	3	.10	95.45	.50	.548	-.07	1.07
110	FIGELLA DUBIA	1				2	3	2	.10	95.55	.50	.837	-.38	1.38
111	GATTYANA NUTII		1			1	2	2	.07	95.62	.33	.516	-.21	.88
112	BRANCHIOSTOMA CARIBAEUM				1	1	2	2	.07	95.69	.33	.516	-.21	.88
113	PRIONOSPID CRISTATA					2	2	1	.07	95.76	.33	.816	-.52	1.19
114	ASTENOMIERON OCULIRISTIS	1		1			2	2	.07	95.83	.33	.516	-.21	.88
115	MEGALOMMA CF QUADRIOCOLATUM			1	1		2	2	.07	95.89	.33	.516	-.21	.88
116	CHAETIZOLE SILOSA	2					2	1	.07	95.96	.33	.816	-.52	1.19

117	TRACHYPENAEUS SP			2	2	1	.07	96.03	.33	.816	-.52	1.19
118	DIOPATRA PAPILLATA	1		1	2	2	.07	96.10	.33	.516	-.21	.88
119	PHOTIS SP	1	1		2	2	.07	96.17	.33	.516	-.21	.88
120	PHYLLODOCE MUCOSA	1		1	2	2	.07	96.23	.33	.516	-.21	.88
121	OSTRACOD SPH		1	1	2	2	.07	96.30	.33	.516	-.21	.88
122	MUSCULUS LATERALIS		1	1	2	2	.07	96.37	.33	.516	-.21	.88
123	PINNOIENIDAE	1		1	2	2	.07	96.44	.33	.516	-.21	.88
124	CAPITELLA CAPITATA		2		2	1	.07	96.50	.33	.816	-.52	1.19
125	TELLINA AEGUISTRIATA	1		1	2	2	.07	96.57	.33	.516	-.21	.88
126	OBELTA SPA		1	1	2	2	.07	96.64	.33	.516	-.21	.88
127	CAPITELLIDAE		2		2	1	.07	96.71	.33	.816	-.52	1.19
128	ONUPHIS SPA	1		1	2	2	.07	96.78	.33	.516	-.21	.88
129	LUMBRINERIS CF MAGALHAENSIS	2			2	1	.07	96.84	.33	.816	-.52	1.19
130	PHILOSPIO STEENSTRUPI			2	2	1	.07	96.91	.33	.816	-.52	1.19
131	CIRRATULID-B			2	2	1	.07	96.98	.33	.816	-.52	1.19
132	TEREBRA PROTEXTA	1		1	2	2	.07	97.05	.33	.516	-.21	.88
133	MINUSPIO CIRRIFERA			2	2	1	.07	97.12	.33	.816	-.52	1.19
134	ARMANDIA MACULATA	1		1	2	2	.07	97.18	.33	.516	-.21	.88
135	CYCLASPIS VARIANS			2	2	1	.07	97.25	.33	.816	-.52	1.19
136	LEPTUCHELA SERRATORBITA			2	2	1	.07	97.32	.33	.816	-.52	1.19
137	ASTEROPELLA MACLAUGHLINAE		1	1	2	2	.07	97.39	.33	.516	-.21	.88
138	NEREIDAE	1		1	2	2	.07	97.46	.33	.516	-.21	.88
139	CALLIANASSA BIFORMIS	1		1	2	2	.07	97.52	.33	.516	-.21	.88
140	LITRIELLA HARNARDI		1	1	2	2	.07	97.59	.33	.516	-.21	.88
141	LIVANELLA GRANDIS	1		1	2	2	.07	97.66	.33	.516	-.21	.88
142	PISTIA QUADRILOBATA	2			2	1	.07	97.73	.33	.816	-.52	1.19
143	ANCISTROSYLLIS PAPILLOSA			2	2	1	.07	97.79	.33	.816	-.52	1.19
144	SULEN VIMIDIS	1		1	2	2	.07	97.86	.33	.516	-.21	.88
145	UXYKOSTYLIS SP			2	2	1	.07	97.93	.33	.816	-.52	1.19
146	BRYOZOA			1	1	1	.03	97.96	.17	.408	-.26	.60
147	SPIOPHANES LONGICINRUS		1		1	1	.03	98.00	.17	.408	-.26	.60
148	SICYONIA DORSALIS			1	1	1	.03	98.03	.17	.408	-.26	.60
149	HARMOIHOE TRIMACULATA	1		1	1	1	.03	98.07	.17	.408	-.26	.60
150	SABELLIDAE			1	1	1	.03	98.10	.17	.408	-.26	.60
151	ALPHEIDAE	1		1	1	1	.03	98.13	.17	.408	-.26	.60
152	SAMYTHELLA ELIASONI		1		1	1	.03	98.17	.17	.408	-.26	.60
153	NUCULA PROXIMA	1		1	1	1	.03	98.20	.17	.408	-.26	.60
154	ANABELLA TRICOLOR	1	1		1	1	.03	98.24	.17	.408	-.26	.60
155	GLYCERA SPH	1		1	1	1	.03	98.27	.17	.408	-.26	.60
156	SABELLARIA SP	1		1	1	1	.03	98.30	.17	.408	-.26	.60
157	SABELLELLA SPF		1		1	1	.03	98.34	.17	.408	-.26	.60
158	MARPHYSA SANGUINEA	1		1	1	1	.03	98.37	.17	.408	-.26	.60
159	ARGISSA HAMATIPES	1		1	1	1	.03	98.41	.17	.408	-.26	.60
160	MINUSPIO SP		1		1	1	.03	98.44	.17	.408	-.26	.60
161	HYDROIDES PROTULICULA			1	1	1	.03	98.47	.17	.408	-.26	.60
162	CERATOCEPHALE CF OCOLATA			1	1	1	.03	98.51	.17	.408	-.26	.60
163	ANDROMA SIMPLEX	1		1	1	1	.03	98.54	.17	.408	-.26	.60
164	PHILINE SAGRA	1	1		1	1	.03	98.57	.17	.408	-.26	.60
165	DRILORHENSIS MAGNA	1		1	1	1	.03	98.61	.17	.408	-.26	.60
166	PHILINICES DUPLICATUS	1	1		1	1	.03	98.64	.17	.408	-.26	.60
167	PERSEPHONA SP	1		1	1	1	.03	98.68	.17	.408	-.26	.60
168	ONUPHIS PERUANA	1		1	1	1	.03	98.71	.17	.408	-.26	.60
169	SIGAMBRA TENTACULATA	1		1	1	1	.03	98.74	.17	.408	-.26	.60
170	PLATYHELMINTHES		1		1	1	.03	98.78	.17	.408	-.26	.60
171	SEKPOLA VEMICULARIS	1		1	1	1	.03	98.81	.17	.408	-.26	.60
172	DIPLODONTA SPA	1		1	1	1	.03	98.85	.17	.408	-.26	.60
173	AXIIDAE		1		1	1	.03	98.88	.17	.408	-.26	.60
174	PROCESSA HEMPHILLI	1		1	1	1	.03	98.91	.17	.408	-.26	.60
175	PECTINARIA CF GOULDII			1	1	1	.03	98.95	.17	.408	-.26	.60
176	ACTINIARIA SP		1		1	1	.03	98.98	.17	.408	-.26	.60
177	PISTIA BREVIORANCHIA		1		1	1	.03	99.02	.17	.408	-.26	.60
178	SIGALIONIDAE		1		1	1	.03	99.05	.17	.408	-.26	.60

179	AMPHILOCHUS SP		1		1		.03	99.06	.17	.408	-.26	.60
180	EULINA HEMPHILLI	1			1	1	.03	99.12	.17	.408	-.26	.60
181	UNCINULA SERRATA			1	1	1	.03	99.15	.17	.408	-.26	.60
182	MLXAPANOPEUS ANGUSTIFRONS		1		1	1	.03	99.19	.17	.408	-.26	.60
183	ZOANTHARIA			1	1	1	.03	99.22	.17	.408	-.26	.60
184	LEPIDASTHENIA MACULATA			1	1	1	.03	99.25	.17	.408	-.26	.60
185	CANTHARUS CANCELLARIA		1		1	1	.03	99.29	.17	.408	-.26	.60
186	NOIDOMASTIUS LATERICEUS		1		1	1	.03	99.32	.17	.408	-.26	.60
187	CALLIANASSA SP		1		1	1	.03	99.36	.17	.408	-.26	.60
188	HABRANSUS PAUCICHELATUS			1	1	1	.03	99.39	.17	.408	-.26	.60
189	POLYDORA SP	1			1	1	.03	99.42	.17	.408	-.26	.60
190	CERATIONEREIS IRRITABILIS			1	1	1	.03	99.46	.17	.408	-.26	.60
191	EULIMA BIFASCIATA	1			1	1	.03	99.49	.17	.408	-.26	.60
192	SABELLARIA GRACILIS			1	1	1	.03	99.52	.17	.408	-.26	.60
193	SQUILLA SP		1		1	1	.03	99.56	.17	.408	-.26	.60
194	PARANATIS POLYNOIDES			1	1	1	.03	99.59	.17	.408	-.26	.60
195	MESOCNAEPTERUS TAYLORI			1	1	1	.03	99.63	.17	.408	-.26	.60
196	HARPOTHOE IMBRICATA		1		1	1	.03	99.66	.17	.408	-.26	.60
197	MYIILIDAE	1			1	1	.03	99.69	.17	.408	-.26	.60
198	CIRRHATULID SPB			1	1	1	.03	99.73	.17	.408	-.26	.60
199	CORYMORPHA PENDULA	1			1	1	.03	99.76	.17	.408	-.26	.60
200	ALBUEA GIMNESII		1		1	1	.03	99.80	.17	.408	-.26	.60
201	SCOLOPLUS RUBRA	1			1	1	.03	99.83	.17	.408	-.26	.60
202	ACTINIARIA SPA			1	1	1	.03	99.86	.17	.408	-.26	.60
203	KURTZIELLA CF RUBELLA		1		1	1	.03	99.90	.17	.408	-.26	.60
204	MONOCULUIDES SPB			1	1	1	.03	99.93	.17	.408	-.26	.60
205	OLIVELLA DEALHATA		1		1	1	.03	99.97	.17	.408	-.26	.60
206	SYLLIDAE		1		1	1	.03	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	84	99	52	100	58	124	
NO. OF INDIVIDUALS	534	424	180	605	221	983	2947

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	IV	206	2947	5.8536	.9678	.4272

STATION 5 TRANSECT IV PERIOD 77FALL

SPECIES	REPLICATE						TOTAL					STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		CONF	LIM
1 NEMERTINEA	4	19	1	3	27	15	69	6	18.75	18.75	11.50	10.464	.52	22.48
2 PARAPRIONUSPID PINNATA	15	5	7	2	9	2	40	6	10.87	29.62	6.67	4.926	1.50	11.84
3 PARANONIS GRACILIS	2	10	4		11	3	30	5	8.15	37.77	5.00	4.472	.31	9.69
4 NABEJONA LONGICORNIS	3	3	2	2	9	6	25	6	6.79	44.57	4.17	2.787	1.24	7.09
5 KALLIAPSEUDES SPA	3	8	1	1	5	4	22	6	5.98	50.54	3.67	2.658	.88	6.46
6 LUMBRINERIS PARVAPEDATA	2	8		2	3	6	21	5	5.71	56.25	3.50	2.950	.40	6.60
7 MEDIUMASTUS CALIFORNIENSIS	1	5	1	3	3	2	15	6	4.08	60.33	2.50	1.517	.91	4.89
8 PARANONIS SPA	3	2	2	4	1	1	13	6	3.53	63.86	2.17	1.169	.94	3.39
9 NEPHYS INCISA		3	3	1	5		12	4	3.26	67.12	2.00	2.000	-.10	4.10
10 COSSURA DELTA	1	2	1	2	3	1	10	6	2.72	69.84	1.67	.816	.81	2.52
11 SPIRIDIAE	6	2			2		10	3	2.72	72.55	1.67	2.338	-.79	4.12
12 NEREE NIGRIPES	2	2	1		1	3	9	5	2.45	75.00	1.50	1.049	.40	2.60
13 VULVULELLA TEXASTANA	2	2		1	3	1	9	5	2.45	77.45	1.50	1.049	.40	2.60
14 URILUNERIS MAGNA	1	3	1	1			6	4	1.63	79.08	1.00	1.095	-.15	2.15
15 COMBULA SWIFTIANA	1	4				1	6	3	1.63	80.71	1.00	1.549	-.63	2.63
16 EUDIRELLA MONODON	3			1	2		6	3	1.63	82.34	1.00	1.265	-.33	2.33
17 NEREID(NICOH) SPA			2	1	1	1	5	4	1.36	83.70	.83	.753	.04	1.62
18 MINUSPID LONGIRHANCHIATA		5					5	1	1.36	85.05	.83	2.041	-1.31	2.98
19 SIGAMBRA BASSI	1	1		1		1	4	4	1.09	86.14	.67	.516	.12	1.21
20 AMPETISCA VERRILLI	1	1		1		1	4	4	1.09	87.23	.67	.516	.12	1.21
21 NUTOMASTUS CF LATERICEUS		1				1	2	2	.54	87.77	.33	.516	-.21	.88
22 PINNOTHERIDAE	2						2	1	.54	88.32	.33	.816	-.52	1.19
23 ANADARA TRANSVERSA		1			1		2	2	.54	88.86	.33	.516	-.21	.88
24 TRACHYPENAEUS SP			1		1		2	2	.54	89.40	.33	.516	-.21	.88
25 ODONPHIDAE		1			1		2	2	.54	89.95	.33	.516	-.21	.88
26 PALEANOTUS HETEROSEIA		2					2	1	.54	90.49	.33	.816	-.52	1.19
27 PARANONIDAE				2			2	1	.54	91.03	.33	.816	-.52	1.19
28 ARICIDEA JEFFREYSII					2		2	1	.54	91.58	.33	.816	-.52	1.19
29 POLYDORA SP	1					1	2	2	.54	92.12	.33	.516	-.21	.88
30 KENILLA MULLERI		2					2	1	.54	92.66	.33	.816	-.52	1.19
31 SIGAMBRA TENTACULATA		2					2	1	.54	93.21	.33	.816	-.52	1.19
32 CIRRHATULIDAE	1				1		2	2	.54	93.75	.33	.516	-.21	.88
33 ANABELLA TRICOLOR						1	1	1	.27	94.02	.17	.408	-.26	.60
34 GLYCERA AMERICANA		1					1	1	.27	94.29	.17	.408	-.26	.60
35 MALACOCERUS INDICUS						1	1	1	.27	94.57	.17	.408	-.26	.60
36 SPIROCHALTOPIERUS COSTANUM			1				1	1	.27	94.84	.17	.408	-.26	.60
37 HYDRUZOA			1				1	1	.27	95.11	.17	.408	-.26	.60
38 PARANONIDES LYRA		1					1	1	.27	95.38	.17	.408	-.26	.60
39 CIRRHOPHOMUS LYRIFORMIS					1		1	1	.27	95.65	.17	.408	-.26	.60
40 SIGAMBRA SP	1						1	1	.27	95.92	.17	.408	-.26	.60
41 HYALA SPA					1		1	1	.27	96.20	.17	.408	-.26	.60
42 BRYOZOA		1					1	1	.27	96.47	.17	.408	-.26	.60
43 RHIZODERMA SPB			1				1	1	.27	96.74	.17	.408	-.26	.60
44 NEREID SPB						1	1	1	.27	97.01	.17	.408	-.26	.60
45 DIOPATINA TRIDENTATA	1						1	1	.27	97.28	.17	.408	-.26	.60
46 ASYNCHIS SP		1					1	1	.27	97.55	.17	.408	-.26	.60
47 ARICIDEA NEDSUECICA	1						1	1	.27	97.83	.17	.408	-.26	.60
48 ARICIDEA CF FRAGILIS		1					1	1	.27	98.10	.17	.408	-.26	.60
49 PITAR CORDATUS	1						1	1	.27	98.37	.17	.408	-.26	.60
50 SIPUNCULA		1					1	1	.27	98.64	.17	.408	-.26	.60
51 ALPHEIDAE						1	1	1	.27	98.91	.17	.408	-.26	.60
52 NEPHYIIDAE	1						1	1	.27	99.18	.17	.408	-.26	.60
53 GLYCERA CAPITATA		1					1	1	.27	99.46	.17	.408	-.26	.60
54 UGOLIA SPA						1	1	1	.27	99.73	.17	.408	-.26	.60

55 AMPELISCA ABDITA

1

1

1

.27 100.00

.17

.408

-.26

.60

.....
NO. OF SPECIES
NO. OF INDIVIDUALS

25 30 17 16 23 22
60 100 31 28 94 55

368

STATION TRANSECT SPECIES INDIVIDUALS DIVERSITY PIE EQUITABILITY
5 IV 55 368 4.5338 .9289 .6364

STATION 6 TRANSECT IV PERIOD 77FALL

SPECIES	REPLICATE						TOTAL					STD	95 PCT	
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT	MEAN		CONF	LIM
1 PHOKONIDA	4		7	1	11	4	27	5	7.87	7.87	4.50	4.037	.26	8.74
2 THYASIRA SPA	1		6	6	4	7	24	5	7.00	14.87	4.00	2.898	.96	7.04
3 CORHULA SWIFTIANA	4		2	9		4	19	4	5.54	20.41	3.17	3.371	-.37	6.71
4 COSSURA DELTA		2	2	4	2	7	17	5	4.96	25.36	2.83	2.401	-.31	5.35
5 THARYX MARIONI	5			7	1	4	17	4	4.96	30.32	2.83	2.927	-.24	5.91
6 MALDANIDAE	1	2	3	4	1	3	14	6	4.00	34.40	2.33	1.211	1.06	3.60
7 APANTHURA MAGNIFICA	3	5		2	1	1	12	5	3.50	37.90	2.00	1.789	.12	3.88
8 MAGFLONA LONGICORNIS	1		3	2	3	1	10	5	2.92	40.82	1.67	1.211	.40	2.94
9 PSEUDOPHILOMEDES SPB		2		5	2		9	3	2.62	43.44	1.50	1.975	-.57	3.57
10 DEMERTINEA			3	3	3		9	3	2.62	46.06	1.50	1.643	-.22	3.22
11 HARKANSUS PAUCICHELATUS				2		6	8	2	2.33	48.40	1.33	2.422	-1.21	3.88
12 OPHUROIDEA				1	1	6	8	3	2.33	50.73	1.33	2.330	-1.12	3.79
13 GEPHEYS INCISA		2		1		4	7	3	2.04	52.77	1.17	1.602	-.51	2.85
14 PARANONIS GRACILIS	1		1		1	3	6	4	1.75	54.52	1.00	1.095	-.15	2.15
15 NERFID SPB		1		1	1	2	5	4	1.46	55.98	.83	.753	.04	1.62
16 ASYCHIS SP	1			4			5	2	1.46	57.43	.83	1.602	-.85	2.51
17 PARANONIDAE			2	1		2	5	3	1.46	58.89	.83	.983	-.20	1.87
18 AUTOMATE EVERMANNI	1		1	2		1	5	4	1.46	60.35	.83	.753	.04	1.62
19 CAPITELLID SPC				2		2	4	2	1.17	61.52	.67	1.033	-.42	1.75
20 MARPHYSA SPA			1		2	1	4	3	1.17	62.68	.67	.816	-.19	1.52
21 SIPUNCULA	1			1		2	4	3	1.17	63.85	.67	.816	-.19	1.52
22 SPIONIDAE				2	1	1	4	3	1.17	65.01	.67	.816	-.19	1.52
23 SPIOPHANES KROYERI				3			3	1	.87	65.89	.50	1.225	-.79	1.79
24 ONOPHIS SPA				2		1	3	2	.87	66.76	.50	.837	-.38	1.38
25 SPHAENOSYLLIS CF SUBLAEVIS		1	1		1		3	3	.87	67.64	.50	.548	-.07	1.07
26 LUMBRINERIS ALTIIDENTATA	1			2			3	2	.87	68.51	.50	.837	-.38	1.38
27 CAPITELLIDAE	2				1		3	2	.87	69.39	.50	.837	-.38	1.38
28 ARICIDEA NEUSUECTICA				2		1	3	2	.87	70.26	.50	.837	-.38	1.38
29 POLYCHAETE SPA			1	1		1	3	3	.87	71.14	.50	.548	-.07	1.07
30 KUTIDERMA SPB	1			2			3	2	.87	72.01	.50	.837	-.38	1.38
31 SIGAMBRA TENTACULATA				1	1		2	2	.58	72.59	.33	.516	-.21	.88
32 SPIOPHANES SP	1					1	2	2	.58	73.18	.33	.516	-.21	.88
33 SCHISTONERINGS RUDOLPHI		1	1				2	2	.58	73.76	.33	.516	-.21	.88
34 GLYCERA TESSELATA	1					1	2	2	.58	74.34	.33	.516	-.21	.88
35 PHYLODOCE HUCOSA		1		1			2	2	.58	74.93	.33	.516	-.21	.88
36 PARANDALIA SPA	1				1		2	2	.58	75.51	.33	.516	-.21	.88
37 AMPELISCA AGASSIZI				1		1	2	2	.58	76.09	.33	.516	-.21	.88
38 MINUSPID CINRIFERA					2		2	1	.58	76.68	.33	.816	-.52	1.19
39 PSEUDOPHILOMEDES SPA		1				1	2	2	.58	77.26	.33	.516	-.21	.88
40 PARANONIS LYRA	1				1		2	2	.58	77.84	.33	.516	-.21	.88
41 SANGUINULARIA SANGUINOLENTA				2			2	1	.58	78.43	.33	.816	-.52	1.19
42 EUDURELLA MONODON						2	2	1	.58	79.01	.33	.816	-.52	1.19
43 NEDONASTUS CALIFORNIENSIS				1		1	2	2	.58	79.59	.33	.516	-.21	.88
44 AMPHARETE AMERICANA	1				1		2	2	.58	80.17	.33	.516	-.21	.88
45 PARANONIS SPA	1					1	2	2	.58	80.76	.33	.516	-.21	.88
46 PARAPRIONUSPID PINNATA						2	2	1	.58	81.34	.33	.816	-.52	1.19
47 PARAPRIONUS PULCHELLA		1		1			2	2	.58	81.92	.33	.516	-.21	.88
48 AMPELISCA SPA	1			1			2	2	.58	82.51	.33	.516	-.21	.88
49 ARICIDEA JEFFREYSII				1		1	2	2	.58	83.09	.33	.516	-.21	.88
50 LUMBRINERIS PARVAIDENTATA			1	1			2	2	.58	83.67	.33	.516	-.21	.88
51 APSFIDES SPB	2						2	1	.58	84.26	.33	.816	-.52	1.19
52 AMPHARETIDAE	1			1			2	2	.58	84.84	.33	.516	-.21	.88
53 TEREBELLID SPA			1	1			2	2	.58	85.42	.33	.516	-.21	.88
54 THARYX ANNULOSUS			2				2	1	.58	86.01	.33	.816	-.52	1.19

55	CLYMENELLA TORQUATA	1			1	2	2	.58	86.59	.33	.516	-.21	.88
56	MYSELLA PLANULATA		1		1	2	2	.58	87.17	.33	.516	-.21	.88
57	CIRROPHORUS LYRIFORMIS			2		2	1	.58	87.76	.33	.816	-.52	1.19
58	VULVULELLA TEXASIANA	1			1	2	2	.58	88.34	.33	.516	-.21	.88
59	LAONICE CIRRAIA		1	1		2	2	.58	88.92	.33	.516	-.21	.88
60	PILARGIIDAE				1	1	1	.29	89.21	.17	.408	-.26	.60
61	LISTRIELLA SPA		1			1	1	.29	89.50	.17	.408	-.26	.60
62	ARMANDIA MACULATA		1			1	1	.29	89.80	.17	.408	-.26	.60
63	POECILOCHAETUS JOHNSONI	1				1	1	.29	90.09	.17	.408	-.26	.60
64	VITHINELLA FLORIDANA				1	1	1	.29	90.38	.17	.408	-.26	.60
65	LOIMIA MEDUSA			1		1	1	.29	90.67	.17	.408	-.26	.60
66	CERATOCEPHALE OCULATA	1				1	1	.29	90.96	.17	.408	-.26	.60
67	SIRENELAIS BUA			1		1	1	.29	91.25	.17	.408	-.26	.60
68	HELIOSPIRO LONGISSIMA			1		1	1	.29	91.55	.17	.408	-.26	.60
69	HEMILLA MULLERI		1			1	1	.29	91.84	.17	.408	-.26	.60
70	MOLPADIA ADAMANENSIS				1	1	1	.29	92.13	.17	.408	-.26	.60
71	AMPELISCA ABDITA			1		1	1	.29	92.42	.17	.408	-.26	.60
72	ALPHEUS SP				1	1	1	.29	92.71	.17	.408	-.26	.60
73	ABRA AEQUALIS			1		1	1	.29	93.00	.17	.408	-.26	.60
74	NOUMASIOS LATERICUS		1			1	1	.29	93.29	.17	.408	-.26	.60
75	ZOANTHARIA			1		1	1	.29	93.59	.17	.408	-.26	.60
76	EXIGONE VENUGERA			1		1	1	.29	93.88	.17	.408	-.26	.60
77	CHASMOCARCINUS MISSISSIPPIENSIS		1			1	1	.29	94.17	.17	.408	-.26	.60
78	PHILOSPIRO STEENSTROPI			1		1	1	.29	94.46	.17	.408	-.26	.60
79	NINOE NIGRIPES		1			1	1	.29	94.75	.17	.408	-.26	.60
80	POLYDORA CF CONCHARUM	1				1	1	.29	95.04	.17	.408	-.26	.60
81	ASYCHIS ELONGATA			1		1	1	.29	95.34	.17	.408	-.26	.60
82	HEMICYCLOPS SP			1		1	1	.29	95.63	.17	.408	-.26	.60
83	PTILANTHURA CF TRICANINA			1		1	1	.29	95.92	.17	.408	-.26	.60
84	HYDROZUA				1	1	1	.29	96.21	.17	.408	-.26	.60
85	SPIOCHAETOPTERUS COSTARUM		1			1	1	.29	96.50	.17	.408	-.26	.60
86	UNCIOLA SENHATA		1			1	1	.29	96.79	.17	.408	-.26	.60
87	KALLIAPSEUDES SPA				1	1	1	.29	97.08	.17	.408	-.26	.60
88	KERANTHURA BREVITELSON	1				1	1	.29	97.38	.17	.408	-.26	.60
89	AMPELISCA SP			1		1	1	.29	97.67	.17	.408	-.26	.60
90	LOVENELLA GRANDIS	1				1	1	.29	97.96	.17	.408	-.26	.60
91	GONIADA MACULATA			1		1	1	.29	98.25	.17	.408	-.26	.60
92	CALLINECTES SIMILIS			1		1	1	.29	98.54	.17	.408	-.26	.60
93	CLYTTA LONGICYATHA	1				1	1	.29	98.83	.17	.408	-.26	.60
94	MAGELONA SP	1				1	1	.29	99.13	.17	.408	-.26	.60
95	HETEROPHOXUS CF OCULATUS				1	1	1	.29	99.42	.17	.408	-.26	.60
96	SIRENOLPIS CF JAPONICA		1			1	1	.29	99.71	.17	.408	-.26	.60
97	TERMELLIDAE		1			1	1	.29	100.00	.17	.408	-.26	.60

.....

NO. OF SPECIES	32	12	25	53	25	48	
NO. OF INDIVIDUALS	46	20	46	102	45	84	343

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	IV	97	343	5.8009	.9735	.8763

STATION 7 TRANSECT IV PERIOD 77FALL

SPECIES	REPLICATE					TOTAL					STD	95 PCT		
	1	2	3	4	5	6	ABUND	OCCUR	PERCENT	ACC PCT		MEAN	CONF	LIM
1 PARAPRIONOSPION PINNATA	7	1	6	3	4	8	29	6	13.55	13.55	4.83	2.639	2.86	7.60
2 PARANIS GRACILIS	5	2	3	4	7	6	27	6	12.62	26.17	4.50	1.871	2.54	6.46
3 THARYX MARIONTI	1		6	1	2	8	18	5	8.41	34.58	3.80	3.225	-.38	6.38
4 SIGAMBRA TENTACULATA	2		1	1	2	1	7	5	3.27	37.85	1.17	.753	.38	1.96
5 PARANIS SPA	1	1			2	3	7	4	3.27	41.12	1.17	1.169	-.86	2.39
6 NEMERTINEA		1	2		3	1	7	4	3.27	44.39	1.17	1.169	-.86	2.39
7 PAVALACYDONIA PARADOXA	2	1	1	1	1	1	7	6	3.27	47.66	1.17	.408	.74	1.68
8 HETEROPHOXUS CF OCOLATUS	1	1	1			3	6	4	2.80	50.47	1.00	1.895	-.15	2.15
9 SIPUNCULA	1	2	2		1		6	4	2.80	53.27	1.00	.894	.86	1.94
10 AMPELISCA SPA	1	1	1		2		5	4	2.34	55.61	.83	.753	.84	1.62
11 CISSUNA DELTA		1	2	1	1		5	4	2.34	57.94	.83	.753	.84	1.62
12 PHTAN CUMDATUS	1		1			3	5	3	2.34	60.28	.83	1.169	-.39	2.86
13 SYLLIS SPC		3	1			1	5	3	2.34	62.62	.83	1.169	-.39	2.86
14 SANGUINOLARIA SANGUINOLENTA						5	5	1	2.34	64.95	.83	2.841	-1.31	2.98
15 THARYX ANNULOSUS		4					4	1	1.87	66.82	.67	1.633	-1.05	2.38
16 THYASIRA PYGMAEA		1	1		1	1	4	4	1.87	68.69	.67	.516	.12	1.21
17 ALTERNOCHELATA SPA			2			1	3	2	1.40	70.89	.50	.837	-.38	1.38
18 STEPHASPIS SCUTATA		1	1			1	3	3	1.40	71.50	.50	.548	-.87	1.87
19 PARANIDES LYRA					2	1	3	2	1.40	72.90	.50	.837	-.38	1.38
20 FALCIDENS SPA	1		1			1	3	3	1.40	74.30	.50	.548	-.87	1.87
21 AGLAOPHAMUS CIRCINATA			2			1	3	2	1.40	75.70	.50	.837	-.38	1.38
22 OSTHACOD SPA			1	1			2	2	.93	76.64	.33	.516	-.21	.88
23 ANCLISTROSYLLIS PAPILLOSA	2						2	1	.93	77.57	.33	.816	-.52	1.19
24 ANCLIDEA NEOSUECICA	1					1	2	2	.93	78.50	.33	.516	-.21	.88
25 ONOPHIS SPC		2					2	1	.93	79.44	.33	.816	-.52	1.19
26 SPIONIDAE						2	2	1	.93	80.37	.33	.816	-.52	1.19
27 ANNA AEGUALIS					1	1	2	2	.93	81.31	.33	.516	-.21	.88
28 NYALA SPA		1			1		2	2	.93	82.24	.33	.516	-.21	.88
29 NEMPTYS INCISA						2	2	1	.93	83.18	.33	.816	-.52	1.19
30 GHATHIA SP		2					2	1	.93	84.11	.33	.816	-.52	1.19
31 XENANTHURA BREVIIEELSON			1				1	1	.47	84.58	.17	.408	-.26	.68
32 NUCULANA ACUTA			1				1	1	.47	85.05	.17	.408	-.26	.68
33 AUTOMATE EVERMANNI			1				1	1	.47	85.51	.17	.408	-.26	.68
34 NINDE NIGRIPES			1				1	1	.47	85.98	.17	.408	-.26	.68
35 AMPHARETE ACUTIFRONS	1						1	1	.47	86.45	.17	.408	-.26	.68
36 VOLVOLELLA PERSIMILIS	1						1	1	.47	86.92	.17	.408	-.26	.68
37 PRIONOSPION STEENSTRUPI					1		1	1	.47	87.38	.17	.408	-.26	.68
38 VAUGHNTHOMPSONIA SP					1		1	1	.47	87.85	.17	.408	-.26	.68
39 SCOTOPUS SPA	1						1	1	.47	88.32	.17	.408	-.26	.68
40 OPHIURIDEA		1					1	1	.47	88.79	.17	.408	-.26	.68
41 ONOPHIS SPA					1		1	1	.47	89.25	.17	.408	-.26	.68
42 PROCHAETODERMA SPA					1		1	1	.47	89.72	.17	.408	-.26	.68
43 AMPELISCA ANHITA					1		1	1	.47	90.19	.17	.408	-.26	.68
44 ONOPHIS SP		1					1	1	.47	90.65	.17	.408	-.26	.68
45 ARMANDIA MACULATA	1						1	1	.47	91.12	.17	.408	-.26	.68
46 LUMBINERIS PARVAPEDATA		1					1	1	.47	91.59	.17	.408	-.26	.68
47 POLYCHAETE SPA						1	1	1	.47	92.06	.17	.408	-.26	.68
48 MOIRA ATROPOS						1	1	1	.47	92.52	.17	.408	-.26	.68
49 LEPIOSTYLIS SP						1	1	1	.47	92.99	.17	.408	-.26	.68
50 DENTALIUM SOREBYI						1	1	1	.47	93.46	.17	.408	-.26	.68
51 AMPHIPODA					1		1	1	.47	93.93	.17	.408	-.26	.68
52 PHILLOMELIS SPA			1				1	1	.47	94.39	.17	.408	-.26	.68
53 MEDIOASTUS CALIFORNIENSIS				1			1	1	.47	94.86	.17	.408	-.26	.68
54 CUMACEAN SPI				1			1	1	.47	95.33	.17	.408	-.26	.68

55 GONIADA NORVEGICA	1			1	1	.47	95.79	.17	.400	-.26	.60
56 TEREBELLIOES STROEMII			1	1	1	.47	96.26	.17	.400	-.26	.60
57 VITRINELLA FLORIDANA			1	1	1	.47	96.73	.17	.400	-.26	.60
58 SAKSIELLA SPF	1			1	1	.47	97.20	.17	.400	-.26	.60
59 CUNACEAN SPF			1	1	1	.47	97.66	.17	.400	-.26	.60
60 HARRIANSUS PAUCICHELATUS			1	1	1	.47	98.13	.17	.400	-.26	.60
61 NEPHYIIDAE	1			1	1	.47	98.60	.17	.400	-.26	.60
62 THYASIRA SPA		1		1	1	.47	99.07	.17	.400	-.26	.60
63 CAPRELLID	1			1	1	.47	99.53	.17	.400	-.26	.60
64 SPIOPHANES LONGICIRKUS		1		1	1	.47	100.00	.17	.400	-.26	.60

.....

NO. OF SPECIES	17	20	24	13	20	29	
NO. OF INDIVIDUALS	30	29	41	18	36	60	214

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
7	IV	64	214	5.4874	.9513	.8125

TABLE 2

LIST OF INVERTEBRATE EPIFAUNAL SPECIES
AND THEIR ABUNDANCES FOR EACH TRAWL COLLECTION.
SPECIES ARE RANKED BY ABUNDANCE

Explanation of Table:

RANK - species ranked by total day-night abundance
M - males
FM - females
FAE - Females with eggs
DIVERSITY - Shannon-Wiener diversity index
PIE - Hurlbert's Probability of Interspecific Encounter
EQUITABILITY - Lloyd and Ghelardi's measure of evenness

STATION 1 TRANSECT 1 PERIOD 77WINTER

.....

RANK	SPECIES	DAY			NIGHT			TOTAL				
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM
1	TRACHYPENAEUS SIMILIS	8		8		60	11	49		68	11	57
2	SQUILLA EMPUSA	1		1		29	14	15		30	14	16
3	PENAEUS SETIFERUS	1		1		10	4	6		11	4	7
4	SICYONIA DORSALIS					2	2			2	2	
.....												
	NO. OF SPECIES	3				4				4		
	NO. OF INDIVIDUALS	10		10		101	31	70		111	31	80

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	1	4	111	1.3804	.5464	.7500

STATION 2 TRANSECT 1 PERIOD 77WINTER

RANK	SPECIES	DAY				NIGHT				TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE		
1	TRACHYPENAEUS SIMILIS					31	3	28		31	3	28			
2	SQUILLA CHYDAEA					18	7	11		18	7	11			
3	SICYONIA DORSALIS					11	4	7		11	4	7			
4	PENAEUS AZTECUS					4	3	1		4	3	1			
5	CALLINECTES SIMILIS					2	1	1		2	1	1			
6	PORTUNUS SPINICARPUS					2		2		2		2			
7	PENAEUS SETIFERUS					1		1		1		1			
8	SQUILLA EMPUSA					1	1			1	1				
NO. OF SPECIES						8					8				
NO. OF INDIVIDUALS						70	19	51					70	19	51

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	1	8	70	2.1515	.7180	.7500

STATION 3 TRANSECT 1 PERIOD 77WINTER

.....

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	PORTUNUS SPINICARPUS					6	6			6	6		
2	SOLENOCCERA VIOSCAI					2		2		2		2	
3	ANASIMUS LATUS					2		2	2	2		2	2
4	PAGURUS HULLISI					1				1			
5	AMUSIUM PAPYRACEUS					1				1			
6	CERIANTHARIA	1								1			
7	BRISSOPSIS ALTA					1				1			
8	GORGONACEA					1				1			
.....													
	NO. OF SPECIES	1				7				8			
	NO. OF INDIVIDUALS	1				14	6	4	2	15	6	4	2

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	1	8	15	2.6106	.8381	1.0000

STATION 4 TRANSECT 1 PERIOD 77WINTER

RANK	SPECIES	DAY			NIGHT			TOTAL				
		TOTAL	M	FM	F&E	TOTAL	M	FM	F&E	INDIV	M	FM
1	TRACHYPENAEUS SIMILIS	27	2	25		43	6	36		70	8	61
2	SQUILLA EMPUSA	16	10	6		45	14	31		61	24	37
3	PENAEUS SETIFERUS	14	9	5		12	8	4		26	17	9
4	SICYONIA DORSALIS	1	1			1	1			2	2	
5	PORTUNUS GIBBESII					1	1			1	1	
NO. OF SPECIES		4				5				5		
NO. OF INDIVIDUALS		58	22	36		102	30	71		160	52	107

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	1	5	160	1.6056	.6406	.8000

STATION 5 TRANSECT 1 PERIOD 77WINTER

.....

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	PENAEUS AZTECUS					13	6	7		13	6	7	
2	CALLINECTES SIMILIS					5		5		5		5	
3	PORTUNUS SPINICARPUS	2	1	1	1					2	1	1	1
4	AMUSIUM PAPYRACEUS	1								1			
5	ANASIMUS LATUS	1		1	1					1		1	1
NO. OF SPECIES		3				2				5			
NO. OF INDIVIDUALS		4	1	2	2	18	6	12		22	7	14	2

.....

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	1	5	22	1.6569	.6147	.8000

STATION 6 TRANSECT 1 PERIOD 77WINTER

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	AMUSIUM PAPYRACEUS					6				6			
2	PORTUNUS SPINICARPUS	1		1	1	3	2	1	1	4	2	2	2
3	PENAEUS AZTECUS					2		2		2		2	
4	ANADARA BAUGHMANI	1								1			
5	STENORHYNCHUS SETICORNIS	1	1							1	1		
6	EUPHROSYNOPLAX CLAUSI	1	1							1	1		
7	ANASIMUS LATUS	1	1							1	1		
NO. OF SPECIES		5				3				7			
NO. OF INDIVIDUALS		5	3	1	1	11	2	3	1	16	5	4	2

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	1	7	16	2.4096	.8167	1.0000

STATION 1 TRANSECT 2 PERIOD 77WINTER

.....

RANK	SPECIES	DAY			NIGHT			TOTAL				
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM
1	TRACHYPENAEUS SIMILIS					16	5	10		16	5	10
2	SICYONIA DORSALIS	1		1		6	2	4		7	2	5
3	SQUILLA EMPUSA					2		2		2		2
4	PORTUNUS GIBRESII					1	1			1	1	
5	ASTROPECTEN DUPLICATUS					1				1		
6	PENAEUS SETIFERUS					1	1			1	1	
7	RENILLA MULLERI					1				1		
.....												
	NO. OF SPECIES	1				7				7		
	NO. OF INDIVIDUALS	1		1		28	9	16		29	9	17

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	2	7	29	1.9076	.6502	.7143

STATION 2 TRANSECT 2 PERIOD 77WINTER

.....

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	SICYONIA DORSALIS					18	10	8		18	10	8	
2	PENAEUS AZTECHUS					5	4	1		5	4	1	
3	SOLENOCCERA VIOSCAI					4	3	1		4	3	1	
4	TRACHYPENAEUS SIMILIS					4	1	3		4	1	3	
5	SQUILLA CHYDAEA					2	1	1		2	1	1	
6	ASTROPECTEN DUPLICATUS	1								1			
7	CALLINECTES SIMILIS					1	1			1	1		
NO. OF SPECIES		1				6				7			
NO. OF INDIVIDUALS		1				34	20	14		35	20	14	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	2	7	35	2.1423	.7042	.8571

STATION 3 TRANSECT 2 PERIOD 77WINTER

.....

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	F^E	TOTAL	M	FM	F^E	INDIV	M	FM	F^E
1	ASTROPECTEN CINGULATUS	1								1			
2	ANASIMUS LATUS					1	1			1	1		
3	PORTUNUS SPINICARPUS					1		1	1	1		1	1
NO. OF SPECIES		1				2				3			
NO. OF INDIVIDUALS		1				2	1	1	1	3	1	1	1

.....

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	2	3	3	1.5876	1.0000	1.3333

STATION 4 TRANSECT 2 PERIOD 77WINTER

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	F&E	TOTAL	M	FM	F&E	INDIV	M	FM	F&E
1	SICYONIA DORSALIS	2	1	1		37	16	21		39	17	21	
2	TRACHYPENAEUS SIMILIS					28	6	22		28	6	22	
3	RENILLA MULLERI					4				4			
4	SQUILLA CHYDAEA					2		2		2		2	
5	PORTUNUS SPINIMANUS					2		2		2		2	
6	PORTUNUS GIBBESII					2	1	1	1	2	1	1	1
7	PENAEUS AZTECUS					2	1	1		2	1	1	
8	EUPHROSYNOPLAX CLAUSI					1	1			1	1		
NO. OF SPECIES		1				8				8			
NO. OF INDIVIDUALS		2	1	1		78	25	48	1	80	26	49	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	2	8	80	1.8658	.6427	.6250

STATION 5 TRANSECT 2 PERIOD 77WINTER

.....

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	SOLENOCERA VIOSCAI					27	6	20		27	6	20	
2	AMUSIUM PAPYRACEUS	2				14				16			
3	CALLINECTES SIMILIS	4		4		8	2	6		12	2	10	
4	SQUILLA CHYDAEA					7	3	4		7	3	4	
5	PENAEUS AZTECUS					3		3		3		3	
6	ANASIMUS LATUS					1		1	1	1		1	1
7	ANADARA HAUGHMANI	1								1			
8	PITAR CORDATUS	1								1			
9	SICYONIA BREVIROSTRIS					1		1		1		1	
.....													
	NO. OF SPECIES	4				7				9			
	NO. OF INDIVIDUALS	8		4		61	11	35	1	69	11	39	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	2	9	69	2.3471	.7699	.7778

STATION 6 TRANSECT 2 PERIOD 77WINTER

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	F&E	TOTAL	M	FM	F&E	INDIV	M	FM	F&E
1	AMUSIUM PAPYRACEUS	14				35				49			
2	SOLENCERA VIOSCAI					14	1	13		14	1	13	
3	PORITONUS SPINICARPUS	1		1		4		4		5		5	
4	ASTROPECTEN CINGULATUS	4								4			
5	PENAEUS AZTECUS					2		2		2		2	
6	PITAR CORDATUS	2								2			
7	SQUILLA CHYDAEA					2	1	1		2	1	1	
8	AIRINA SEMINUDA	1								1			
9	EUPHROSYNOPLAX CLAUSI	1	1							1	1		
10	PAGURUS HULLISI	1								1			
11	PARAPENAEUS LONGIROSTRIS					1		1		1		1	
12	ANADARA BAUGHMANI	1								1			
13	RANINOIDES LOUISIANENSIS	1		1						1		1	
NO. OF SPECIES		9				6				13			
NO. OF INDIVIDUALS		26	1	2		58	2	21		84	3	23	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	2	13	84	2.1812	.6311	.4615

STATION 1 TRANSECT 3 PERIOD 77WINTER

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	TRACHYPENAEUS SIMILIS	86	17	68		46	7	39		132	24	107	
2	SICYONIA DORSALIS	15	7	8		11	4	7		26	11	15	
3	SQUILLA CHYDAEA	11	10	1		3		3		14	10	4	
4	CALLINECTES SIMILIS	2	1	1		5	3	2		7	4	3	
5	PENAEUS SETIFERUS					4		4		4		4	
6	PORTUNUS GIBRESII	3	3			1	1			4	4		
7	SQUILLA EMPUSA	2	2			1		1		3	2	1	
8	PENAEUS AZTECUS	2	1	1						2	1	1	
9	PORTUNUS SPINICARPUS					1		1		1		1	
10	ASTROPECTEN DUPLICATUS					1				1			
NO. OF SPECIES		7				9				10			
NO. OF INDIVIDUALS		121	41	79		73	15	57		194	56	136	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	3	10	194	1.6863	.5140	.4000

STATION 2 TRANSECT 3 PERIOD 77WINTER

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	ASTROPECTEN CINGULATUS					9				9			
2	SICYONIA DORSALIS	6	1	5						6	1	5	
3	CALLINECIES SIMILIS	2		2		1		1		3		3	
4	SQUILLA CHYDAFA	2		2		1	1			3	1	2	
5	ASTROPECTEN DUPLICATUS	1								1			
6	AMUSIUM PAPYRACEUS	1											
7	SOLENOCERA VIOSCAI	1		1						1		1	
8	ANASIMUS LATUS					1		1		1		1	
9	PENAEUS AZTECUS					1	1			1	1		
NO. OF SPECIES		6				5				9			
NO. OF INDIVIDUALS		13	1	10		13	2	2		26	3	12	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	3	9	26	2.6452	.8246	1.00000

STATION 3 TRANSECT 3 PERIOD 77WINTER

RANK	SPECIES	DAY				NIGHT				INDIV	TOTAL		
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE		M	FM	FAE
1	PORTUNUS SPINICARPUS					8	2	6	5	8	2	6	5
2	AMUSIUM PAPYRACEUS	1				3				4			
3	ANASIMUS LATUS					4	2	2	2	4	2	2	2
4	SOLENOCERA VIOSCAI					3		3		3		3	
5	SQUILLA CHYDAEA					2		2		2		2	
6	MOIRA ATROPOS	1								1			
7	BRYOZOA					1				1			
8	CALLINECTES SIMILIS	1	1							1	1		
9	THALASSOPLAX ANGUSTA					1	1			1	1		
10	ANADARA BAUGHMANI					1				1			
11	PORCELLANA SIGSBEIANA					1		1		1		1	
12	PORTUNUS GIBBESII	1		1						1		1	
NO. OF SPECIES		4				9				12			
NO. OF INDIVIDUALS		4	1	1		24	5	14	7	28	6	15	7

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	3	12	28	3.1427	.8836	1.0000

STATION 4 TRANSECT 3 PERIOD 77WINTER

RANK	SPECIES	DAY				NIGHT				TOTAL		
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM
1	TRACHYPENAEUS SIMILIS	2	1	1		16	1	15		18	2	16
2	TRACHYPENAEUS CONSTRICTUS					9	2	7		9	2	7
3	PORTUNUS GIBBESII	3	1	2		3	2	1		6	3	3
4	SQUILLA EMPUSA					5	4	1		5	4	1
5	PENAEUS SETIFERUS	3	1	2		1		1		4	1	3
6	SICYONIA DORSALIS					2	1	1		2	1	1
7	HEPATIS EPHELITICUS					1				1		
8	LIBINIA DUBIA	1		1						1		1
NO. OF SPECIES		4				7				8		
NO. OF INDIVIDUALS		9	3	6		37	10	26		46	13	32

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	3	8	46	2.4688	.7865	1.0000

STATION 5 TRANSECT 3 PERIOD 77WINTER

.....

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	SQUILLA CHYDAEA	15	7	8		62	25	37		77	32	45	
2	TRACHYPENAEUS SIMILIS	27	3	24		43	11	32		70	14	56	
3	SICYONIA DORSALIS	11	3	8		46	21	25		57	24	33	
4	SOLENOCERA VIOSCAI					5		5		5		5	
5	PORTUNUS GIBBESII					3		3	1	3		3	1
6	CALLINECTES SIMILIS	2	1	1		1	1			3	2	1	
7	ASIROPECTEN DUPLICATUS	2								2			
8	PENAEUS SETIFERUS	1		1		1		1		2		2	
9	SQUILLA EMPUSA					1	1			1	1		
NO. OF SPECIES		6				8				9			
NO. OF INDIVIDUALS		58	14	42		162	59	103	1	220	73	145	1

.....

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	3	9	220	2.0157	.7113	.6667

STATION 6 TRANSECT 3 PERIOD 77WINTER

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	PORTUNUS SPINICARPUS					3	2	1		3	2	1	
2	ANASIMUS LATUS					1		1	1	1		1	1
3	RANINOIDES LOUISIANENSIS	1	1							1	1		
4	PARAPENAEUS LONGIROSTRIS	1		1						1		1	
	NO. OF SPECIES	2				2				4			
	NO. OF INDIVIDUALS	2	1	1		4	2	2	1	6	3	3	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	3	4	6	1.7955	.8000	1.0000

STATION 1 TRANSECT 4 PERIOD 77WINTER

.....

DAY

NIGHT

TOTAL

.....

.....

RANK	SPECIES	TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
------	---------	-------	---	----	-----	-------	---	----	-----	-------	---	----	-----

1	TRACHYPENAEUS SIMILIS	1		1		128	39	88		129	39	89	
2	SICYONIA BREVIROSTRIS	1		1		2	1	1		3	1	2	
3	SICYONIA DORSALIS					3	2	1		3	2	1	
4	PENAEUS DUORARUM	1		1		1		1		2		2	
5	SQUILLA EMPUSA					1		1		1		1	
6	HEPATUS EPHELITICUS					1	1			1	1		
7	SQUILLA CHYDAEA					1		1		1		1	
8	ASTROPECTEN DUPLICATUS					1				1			

.....

NO. OF SPECIES	3					8				8			
NO. OF INDIVIDUALS	3		3			138	43	93		141	43	96	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	4	8	141	.6445	.1628	.2500

STATION 2 TRANSECT 4 PERIOD 77WINTER

.....

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	SOLENOCERA VIOSCAI					6	1	5		6	1	5	
2	PENAEUS AZTECUS					2	2			2	2		
3	TRACHYPENAEUS SIMILIS					2		2		2		2	
NO. OF SPECIES					3							3	
NO. OF INDIVIDUALS					10	3	7				10	3	7

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	4	3	10	1.3732	.6222	1.0000

STATION 3 TRANSECT 4 PERIOD 77WINTER

.....

DAY

NIGHT

TOTAL

.....

.....

RANK	SPECIES	TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
------	---------	-------	---	----	-----	-------	---	----	-----	-------	---	----	-----

1	AMUSIUM PAPYRACEUS					2				2			
---	--------------------	--	--	--	--	---	--	--	--	---	--	--	--

2	SOLENOCERA VIOSCAI					2		2		2		2	
---	--------------------	--	--	--	--	---	--	---	--	---	--	---	--

.....

	NO. OF SPECIES					2				2			
--	----------------	--	--	--	--	---	--	--	--	---	--	--	--

	NO. OF INDIVIDUALS					4		2		4		2	
--	--------------------	--	--	--	--	---	--	---	--	---	--	---	--

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	4	2	4	1.0017	.6667	1.0000

STATION 4 TRANSECT 4 PERIOD 77WINTER

.....

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	TRACHYPENAEUS SIMILIS	2		2		1		1		3		3	
2	RENILLA MULLERI					2				2			
3	PORTUNUS GIBBESII	1		1		1		1		2		2	
4	SQUILLA EMPUSA	1		1						1		1	
5	PENAEUS SETIFERUS					1		1		1		1	
6	SQUILLA CHYDAEA					1		1		1		1	
NO. OF SPECIES		3				5				6		6	
NO. OF INDIVIDUALS		4		4		6		4		10		8	

.....

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	4	6	10	2.4505	.8889	1.1667

STATION 5 TRANSECT 4 PERIOD 77WINTER

.....

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	TRACHYPENAEUS SIMILIS	9	2	7		31	4	27		40	6	34	
2	SQUILLA CHYDAEA	1		1		17	4	13		18	4	14	
3	SICYONIA DORSALIS	1	1			14	7	7		15	8	7	
4	PORTUNUS GIBBESII					4	3	1		4	3	1	
5	ASTROPECTEN DUPLICATUS					4				4			
6	PENAEUS AZTECUS	1	1			1	1			2	2		
7	CALLINECTES SIMILIS					1		1		1		1	
8	SICYONIA BREVIROSTRIS					1	1			1	1		
9	PORTUNUS SPINICARPUS	1		1						1		1	
NO. OF SPECIES		5				8				9			
NO. OF INDIVIDUALS		13	4	9		73	20	49		86	24	58	

.....

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	4	9	86	2.1911	.7124	.6667

STATION 6 TRANSECT 4 PERIOD 77WINTER

.....

RANK	SPECIES	DAY			NIGHT			TOTAL				
		TOTAL	M	FN	F^E	TOTAL	M	FM	F^E	INDIV	M	FM
1	PENAEUS AZTECUS					3	2	1		3	2	1
2	AMUSIUM PAPYRACEUS					1				1		
3	SQUILLA CHYDAEA					1		1		1		1
4	SOLENOCERA VIOSCAI					1		1		1		1
NO. OF SPECIES						4				4		
NO. OF INDIVIDUALS						6	2	3		6	2	3

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	4	4	6	1.7955	.8000	1.0000

STATION 7 TRANSECT 4 PERIOD 77WINTER

.....

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	BRISSOPSIS ALTA	3								3			
2	PENAEUS AZTECUS					1	1			1	1		
3	ANADARA BAUGHMANI	1								1			
.....													
	NO. OF SPECIES	2				1				3			
	NO. OF INDIVIDUALS	4				1	1			5	1		

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
7	4	3	5	1.3732	.7000	1.0000

STATION 1 TRANSECT 1 PERIOD 77SPRING

RANK	SPECIES	DAY			NIGHT			TOTAL				
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM
1	PENAEUS AZTECUS	4	2	2		199	21	39		203	23	41
2	TRACHYPENAEUS SIMILIS					64	10	54		64	10	54
3	SQUILLA EMPUSA					51	28	23		51	28	23
4	CALLINECTES SIMILIS					36	25	11		36	25	11
5	OVALIPES FLORIDANUS					4	4			4	4	
6	CALIACTIS TRICOLOR	3								3		
7	PENAEUS SETIFERUS	1	1			2	1	1		3	2	1
8	PAGURUS POLLICARIS	1								1		
9	SILYONIA DORSALIS					1		1		1		1
10	PORTUNUS GIBBESII					1	1			1	1	
11	PENAEUS DUORARUM					1	1			1	1	
NO. OF SPECIES		4				9				11		
NO. OF INDIVIDUALS		9	3	2		359	91	129		368	94	131

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	1	11	368	1.9154	.6381	.4545

STATION 2 TRANSECT 1 PERIOD 77SPRING

.....

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	TRACHYPENAEUS SIMILIS					84	14	46		84	14	46	
2	AMUSIUM PAPYRACEUS	6				66				72			
3	SICYONIA DORSALIS	3	2	1		51	20	31		54	22	32	
4	CALLINECTES SIMILIS					21	17	4		21	17	4	
5	SQUILLA CHYDAEA					9	7	2		9	7	2	
6	SOLENOCERA VIOSCAI					8	3	5		8	3	5	
7	PENAEUS AZTECUS					3	2	1		3	2	1	
8	PORTUNUS SPINICARPUS					1	1			1	1		
9	SQUILLA EMPUSA					1	1			1	1		
10	ASTROPECTEN DUPLICATUS	1								1			
11	OVALIPES FLORIDANUS					1	1			1	1		
12	FIMBRIA SPA	1								1			
13	PORTUNUS SPINIMANUS					1	1			1	1		
.....													
	NO. OF SPECIES	4				11				13			
	NO. OF INDIVIDUALS	11	2	1		246	67	89		257	69	90	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	1	13	257	2.4007	.7644	.6154

STATION 3 TRANSECT 1 PERIOD 77SPRING

RANK	SPECIES	DAY			NIGHT			TOTAL				
		TOTAL	M	FM	F&E	TOTAL	M	FM	F&E	INDIV	M	FM
1	SOLENCERA VIOSCAI					26	7	19		26	7	19
2	PARAPENAEUS LONGIROSTRIS					8		8		8		8
3	CERANTHARIA SPA	3								3		
4	PORTUNUS SPINICARPUS					3	1	2		3	1	2
5	SICYONIA STIMPSONI					1		1		1		1
6	ASTROPECTEN CINGULATUS	1								1		
7	DPHIUROIDEA	1								1		
8	DARDANUS INSIGNIS	1								1		
9	AMUSIUM PAPYRACEUS					1				1		
10	TRACHYPENAEUS SIMILIS	1	1							1	1	
NO. OF SPECIES		5				5				10		
NO. OF INDIVIDUALS		7	1			39	8	30		46	9	30

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	1	10	46	2.1419	.6531	.6000

STATION 4 TRANSECT 1 PERIOD 77SPRING

.....													
		DAY			NIGHT			TOTAL					
.....													
.....													
RANK	SPECIES	TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	TRACHYPENAEUS SIMILIS					70	9	58		70	9	58	
2	CALLINECTES SIMILIS					67	40	24		67	40	24	
3	SQUILLA EMPUSA					61	33	28		61	33	28	
4	PENAEUS AZTECUS	6	2	4		51	24	27		57	26	31	
5	PENAEUS DUORARUM	2	1	1		12	7	5		14	8	6	
6	PENAEUS SETIFERUS	7	5	2		6	4	2		13	9	4	
7	UVALIPES FLORIDANUS					9	9			9	9		
8	CALIACIS TRICOLOR					5				5			
9	PORUNUS GIBBESII					5	3	2		5	3	2	
10	ACTINIARIA SPE					1				1			
11	HEPATUS EPHELITICUS					1		1		1		1	
.....													
	NO. OF SPECIES	3				11				11			
	NO. OF INDIVIDUALS	15	8	7		288	129	147		303	137	154	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	1	11	303	2.6936	.8191	.8182

STATION 5 TRANSECT 1 PERIOD 77SPRING

RANK	SPECIES	DAY				NIGHT				TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE		
1	SOLENOCERA VIOSCAI					46	6	40		46	6	40			
2	SICYONIA BREVIROSTRIS					16	10	6		16	10	6			
3	PENAEUS AZTECUS					14	12	2		14	12	2			
4	TRACHYPENAEUS SIMILIS					10		10		10		10			
5	PORTUNUS SPINICARPUS					8	5	3		8	5	3			
6	AMUSIUM PAPYRACEUS					3				3					
7	SQUILLA CHYDAEA					3	2	1		3	2	1			
8	SICYONIA DORSALIS					1		1		1		1			
9	ASTROPECTEN DUPLICATUS					1				1					
10	LEIOLAMBROS NITIDUS					1	1			1	1				
NO. OF SPECIES						10					10				
NO. OF INDIVIDUALS						103	36	63					103	36	63

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	1	10	103	2.4370	.7478	.8000

STATION 6 TRANSECT 1 PERIOD 77SPRING

.....

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	H	FM	FAE
1	SOLENOCERA VIOSCAI					31	6	25		31	6	25	
2	PARAPENAEUS LONGIROSTRIS					5		5		5		5	
3	AMUSIUM PAPYRACEUS	1				2				3			
4	SICYONIA STIMPSONI					2		2		2		2	
5	ANADARA BAUGHMANI					2				2			
6	PORTUNUS SPINICARPUS	1		1		1		1		2		2	
7	ASTROPECTEN CINGULATUS	2								2			
8	SQUILLA CHYDAEA	1	1							1	1		
9	CERIANTHARIA SPA	1								1			
10	PILUMNUS SP					1		1		1		1	
11	PARAPANDALUS CF LONGICAUDA					1		1	1	1		1	1
NO. OF SPECIES		5				8				11			
NO. OF INDIVIDUALS		6	1	1		45	6	35	1	51	7	36	1

.....

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	1	11	51	2.1869	.6224	.5455

STATION 1 TRANSECT 2 PERIOD 77SPRING

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	PENAEUS AZTECUS					60	18	42		60	18	42	
2	CALLINECIES SIMILIS					50	24	26		50	24	26	
3	TRACHYPENAEUS SIMILIS					39	6	33		39	6	33	
4	CALLINECIES SAPIDUS					1		1	1	1		1	1
5	ASTROPECTEN DUPLICATUS	1								1			
6	SQUILLA EMPUSA					1	1			1	1		
7	SQUILLA CHYDAEA					1	1			1	1		
NO. OF SPECIES		1				6				7			
NO. OF INDIVIDUALS		1				152	50	102	1	153	50	102	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	2	7	153	1.7522	.6787	.7143

STATION 2 TRANSECT 2 PERIOD 77SPRING

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	F&E	TOTAL	M	FM	F&E	INDIV	M	FM	F&E
1	PORTUNUS SPINICARPUS	1		1		93	47	44		94	47	45	
2	SICYONIA DORSALIS	3		3		40	23	17		43	23	20	
3	TRACHYPENAEUS SIMILIS	1		1		40	5	35		41	5	36	
4	AMUSIUM PAPYRACEUS	1				38				39			
5	ASTROPECTEN DUPLICATUS	2				21				23			
6	LEIOLAMBRUS NITIDUS					23	8	15		23	8	15	
7	SOLENOCERA VIOSCAI					23	3	20		23	3	20	
8	SQUILLA CHYDAEA	1		1		11	5	6		12	5	7	
9	PENAEUS AZTECUS	3	1	2		3	1	2		6	2	4	
10	LAEVICARDIUM LAEVIGATUM					4				4			
11	HEPATUS EPHELITICUS	1		1		2	1	1		3	1	2	
12	PSUDORHOMBILA QUADRIDENTATA					3	3			3	3		
13	EUPHROSYNOPLEX CLAUSI					3	1	2		3	1	2	
14	CALIACTIS TRICOLOR					2				2			
15	ANASIMUS LATUS	1	1			1	1			2	2		
16	MACOMA PULLEYI					1				1			
17	STENORHYNCHUS SETICORNIS					1		1	1	1		1	1
18	PORTUNUS SPINIMANUS					1		1		1		1	
19	ATRINA SEMINUDA					1				1			
20	SICYONIA STIMPSONI					1		1		1		1	
21	FIMBRIA SPA					1				1			
22	CALLINECTES SIMILIS					1		1		1		1	
23	ANADARA HAUGHMANI					1				1			
24	SQUILLA EMPUSA					1		1		1		1	
NO. OF SPECIES		9				24				24			
NO. OF INDIVIDUALS		14	2	9		316	98	147	1	330	100	156	1

STATION 2 TRANSECT 2 SPECIES 24 INDIVIDUALS 330 DIVERSITY 3.3046 PIE .8583 EQUITABILITY .6250

STATION 3 TRANSECT 2 PERIOD 77SPRING

.....

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	SOLENCERA VIOSCAI					15	6	9		15	6	9	
2	PARAPENAEUS LONGIROSTRIS					8	2	6		8	2	6	
3	MOIRA ATROPOS					1				1			
NO. OF SPECIES					3						3		
NO. OF INDIVIDUALS					24			8 15			24 8 15		

.....

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	2	3	24	1.1451	.5181	1.0000

STATION 4 TRANSECT 2 PERIOD 77SPRING

.....

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	TRACHYPENAEUS SIMILIS					75	11	64		75	11	64	
2	PENAEUS AZTECUS	1		1		29	10	19		30	10	20	
3	CALLINECTES SIMILIS					25	16	9	1	25	16	9	1
4	ASTROPECTEN DUPLICATUS					5				5			
5	SICYONIA DORSALIS					4		4		4		4	
6	PORTUNUS SPINICARPUS					3	2	1		3	2	1	
7	SOLENOCERA VIOSCAI					3	1	2		3	1	2	
8	MACOMA PULLEYI					2				2			
9	AMUSIUM PAPYRACEUS					2				2			
10	SQUILLA CHYDAEA					2	1	1		2	1	1	
11	LEIOLAMBURUS NITIDUS					1		1		1		1	
12	PORTUNUS GIBBSII					1	1			1	1		
NO. OF SPECIES		1				12				12			
NO. OF INDIVIDUALS		1		1		152	42	101	1	153	42	102	1

.....

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	2	12	153	2.2573	.6960	.5833

STATION 5 TRANSECT 2 PERIOD 77SPRING

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	F&E	TOTAL	M	FM	F&E	INDIV	M	FM	F&E
1	SOLEMOCCERA VIOSCAI					50	13	37		50	13	37	
2	SQUILLA CHYDAEA					4	2	2		4	2	2	
3	AMUSIUM PAPYRACEUS					3				3			
4	PORTUNUS SPINICARPUS					2	1	1		2	1	1	
5	PENAEUS AZTECUS					2	2			2	2		
6	PARAPENAEUS LONGIROSTRIS					2	2			2	2		
7	SICYONIA BREVIROSTRIS					1	1			1	1		
NO. OF SPECIES					7						7		
NO. OF INDIVIDUALS					64			21			40		

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	2	7	64	1.2998	.3864	.4286

STATION 6 TRANSECT 2 PERIOD 77SPRING

.....

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	SOLENOCERA VIOSCAI					20	3	17		20	3	17	
2	PARAPENAEUS LONGIROSTRIS					4		4		4		4	
3	SICYONIA STIMPSONI					2		2		2		2	
4	SQUILLA CHYDAEA					1	1			1	1		
5	PENAEUS AZTECUS					1		1		1		1	
6	AMUSIUM PAPHRACEUS					1				1			
7	ANADARA BAUGHMANI					1				1			
NO. OF SPECIES					7						7		
NO. OF INDIVIDUALS					30			4 24			30 4 24		

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	2	7	30	1.6951	.5471	.5714

STATION 1 TRANSECT 3 PERIOD 77SPRING

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	PENAEUS AZTECUS	7	3	4		78	39	39		85	42	43	
2	CALLINECTES SIMILIS	2	2			20	9	11		22	11	11	
3	TRACHYPENAEUS SIMILIS					9		9		9		9	
4	SQUILLA EMPUSA					9	6	3		9	6	3	
5	PENAEUS SETIFERUS					2	1	1		2	1	1	
6	OVALIPES FLORIDANUS					1	1			1	1		
7	PORIUNUS GIBBESII					1		1	1	1		1	1
8	SQUILLA CHYDAEA					1		1		1		1	
NO. OF SPECIES		2				8				8			
NO. OF INDIVIDUALS		9	5	4		121	56	65	1	130	61	69	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	3	8	130	1.6253	.5380	.5000

STATION 2 TRANSECT 3 PERIOD 77SPRING

.....

RANK	SPECIES	DAY			NIGHT			TOTAL								
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE			
1	SOLENOCERA VIOSCAI					19	3	16		19	3	16				
2	TRACHYPENAEUS SIMILIS					11	1	10		11	1	10				
3	PORTUNUS SPINICARPUS					2		2		2		2				
4	PARAPENAEUS LONGIROSTRIS					1		1		1		1				
5	SQUILLA CHYDAEA					1		1		1		1				
6	PENAEUS AZTECUS					1		1		1		1				
NO. OF SPECIES					6							6				
NO. OF INDIVIDUALS					35	4	31				35	4	31			

.....

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	3	6	35	1.6817	.6185	.6667

STATION 3 TRANSECT 5 PERIOD 77SPRING

.....

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	SOLENOCERA VIOSCAI					1		1		1			1
NO. OF SPECIES										1			
NO. OF INDIVIDUALS										11	1	10	

.....

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	5	1	11	.0000	.6185	.0000

STATION 4 TRANSECT 3 PERIOD 77SPRING

.....

RANK	SPECIES	DAY				NIGHT				TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE		
1	PENAEUS DUORARUM					3		3		3		3			
2	CALLINECTES SIMILIS					1	1			1	1				
3	SICYONIA DORSALIS					1	1			1	1				
4	TRACHYPENAEUS CONSTRICTUS					1		1		1		1			
NO. OF SPECIES						4					4				
NO. OF INDIVIDUALS						6	2	4					6	2	4

.....

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	3	4	6	1.7955	.8000	1.0000

STATION 5 TRANSECT 3 PERIOD 77SPRING

RANK	SPECIES	DAY			NIGHT			TOTAL				
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM
1	TRACHYPENAEUS SIMILIS	1		1		20	3	17		21	3	18
2	PENAEUS AZTECUS	5	3	2		8	2	6		13	5	8
3	SQUILLA CHYDAEA					5	4	1		5	4	1
4	CALLINECTES SIMILIS	1				4	3	1		5	3	1
5	ASTROPECTEN DUPLICATUS	1								1		
6	SICYONIA DORSALIS					1		1		1		1
NO. OF SPECIES		4				5				6		
NO. OF INDIVIDUALS		8	3	3		38	12	26		46	15	29

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	3	6	46	1.9711	.7024	.8333

STATION 6 TRANSECT 3 PERIOD 77SPRING

.....

DAY

NIGHT

TOTAL

.....

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	F&E	TOTAL	M	FM	F&E	INDIV	M	FM	F&E
1	SOLENOCERA VIOSCAI					2		2		2			2
2	ACANTHOCARPUS ALEXANDRI	1	1							1	1		
.....													
	NO. OF SPECIES	1				1				2			
	NO. OF INDIVIDUALS	1	1			2		2		3	1		2

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	3	2	3	.9198	.6667	1.0000

STATION 1 TRANSECT 4 PERIOD 77SPRING

		DAY			NIGHT			TOTAL						
RANK	SPECIES	TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE	
1	SQUILLA EMPUSA					40	27	13		40	27	13		
2	SICYONIA DORSALIS					23	12	11		23	12	11		
3	TRACHYPENAEUS SIMILIS					23	3	19		23	3	19		
4	PENAEUS AZTECUS					20	9	11		20	9	11		
5	CALLINECTES SIMILIS					7	2	5		7	2	5		
6	PENAEUS DUORARUM					4	2	2		4	2	2		
7	PORTUNUS SPINIMANUS					3	2	1		3	2	1		
8	SICYONIA BREVIROSTRIS					3		3		3		3		
9	PORTUNUS GIBBESII					2	1	1		2	1	1		
10	OVALIPES FLORIDANUS					1		1		1		1		
11	SQUILLA CHYDAEA					1	1			1	1			
NO. OF SPECIES							11				11			
NO. OF INDIVIDUALS							127	59	67			127	59	67

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	4	11	127	2.6895	.8113	.8182

STATION 2 TRANSECT 4 PERIOD 77SPRING

.....

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	AMUSIUM PAPYRACEUS	3				4				7			
2	SOLENCERA VIOSCAI					7		7		7		7	
3	TRACHYPENAEUS SIMILIS					5	1	4		5	1	4	
4	PARAPENAEUS LONGIROSTRIS					2	1	1		2	1	1	
5	SICYONIA DORSALIS					2		2		2		2	
6	ANASIMUS LATUS	1	1							1	1		
7	PENAEUS AZTECUS					1		1		1		1	
NO. OF SPECIES		2				6				7			
NO. OF INDIVIDUALS		4	1			21	2	15		25	3	15	

.....

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	4	7	25	2.4514	.8200	1.0000

STATION 3 TRANSECT 4 PERIOD 77SPRING

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	PENAEUS AZTECUS					9	4	5		9	4	5	
2	PORTUNUS SPINICARPUS					7	4	3		7	4	3	
3	AMUSIUM PAPYRACEUS	2				1				3			
4	SQUILLA CHYDAEA					3	2	1		3	2	1	
5	PARAPENAEUS LONGIROSTRIS					2		2		2		2	
6	PARAPANDALUS CF LONGICAUDA					1	1			1	1		
7	SULENCERA VIOSCAI					1		1		1		1	
8	SICYONIA STIMPSONI					1		1		1		1	
9	ACANTHOCARPUS ALEXANDRI					1	1			1	1		
NO. OF SPECIES		1				9				9			
NO. OF INDIVIDUALS		2				26	12	13		28	12	13	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	4	9	28	2.6800	.8307	1.0000

STATION 4 TRANSECT 4 PERIOD 77SPRING

.....

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	F^E	TOTAL	M	FM	F^E	INDIV	M	FM	F^E
1	PENAEUS DUORARUM					3	1	2		3	1	2	
2	TRACHYPENAEUS CONSTRICTUS					2		2		2		2	
3	SICYONIA DORSALIS					2	1	1		2	1	1	
4	TRACHYPENAEUS SIMILIS	1	1			1		1		2	1	1	
5	PENAEUS AZTECUS					1	1			1	1		
6	LUJIDIA CLATHRATA	1								1			
7	SQUILLA CHYDAEA					1		1		1		1	
NO. OF SPECIES		2				6				7			
NO. OF INDIVIDUALS		2	1			10	3	7		12	4	7	

.....

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	4	7	12	2.6932	.9091	1.1429

STATION 5 TRANSECT 4 PERIOD 77SPRING

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	F&E	TOTAL	M	FM	F&E	INDIV	M	FM	F&E
1	TRACHYPENAEUS SIMILIS	1	1			29	18	11		30	19	11	
2	SQUILLA CHYDAEA					14	4	10		14	4	10	
3	PENAEUS AZTECUS					7	2	5		7	2	5	
4	SICYONIA DORSALIS					7	3	4		7	3	4	
5	CALLINECTES SIMILIS					3		3	3	3		3	3
6	SQUILLA EMPUSA					1	1			1	1		
7	ANASIMUS LATUS					1		1		1		1	
8	PORTUNUS SPINIMANUS					1	1			1	1		
9	PORTUNUS SPINICARPUS					1	1			1	1		
NO. OF SPECIES		1				9				9			
NO. OF INDIVIDUALS		1	1			64	30	34	3	65	31	34	3

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	4	9	65	2.2635	.7255	.7778

STATION 6 TRANSECT 4 PERIOD 77SPRING

.....

RANK	SPECIES	DAY			NIGHT			TOTAL				
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM
1	PENAEUS AZTECUS					4	3	1		4	3	1
2	AMUSIUM PAPYRACEUS					2				2		
3	PORTUNUS SPINICARPUS	1		1						1		1
.....												
	NO. OF SPECIES	1				2				3		
	NO. OF INDIVIDUALS	1		1		6	3	1		7	3	2

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	4	3	7	1.3811	.6667	1.0000

STATION 7 TRANSECT 4 PERIOD 77SPRING

RANK	SPECIES	DAY				NIGHT				TOTAL						
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE			
1	BRISSOPSIS ALTA					11							11			
2	PARAPENAEUS LONGIROSTRIS					8	2	5		8	2	5				
3	PORTUNUS SPINICARPUS					7	4	3		7	4	3				
4	SOLENOCERA VIOSCAI					3	1	2		3	1	2				
5	RANINOIDES LOUISIANENSIS					2	2			2	2					
6	ANASIMUS LATUS					2	1	1		2	1	1				
7	STENOCIONOPS SPINOSISSIMA					1	1			1	1					
8	COLLODES LEPTOCHELES					1	1			1	1					
9	TEIHYASTER VESTITUS					1				1						
10	PILUMNUS SP					1		1		1		1				
11	ASTROPECTEN CINGULATUS	1											1			
NO. OF SPECIES		1				10				11						
NO. OF INDIVIDUALS		1				37	12	12		38	12	12				

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
7	4	11	38	2.8722	.8450	1.0000

STATION 1 TRANSECT 1 PERIOD 77FALL

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	SQUILLA EMPUSA	11	8	3		29	7	22		40	15	25	
2	TRACHYPENAEUS SIMILIS	21		21		11	2	9		32	2	30	
3	PORTUNUS GIBBESII	18	9	9		9	6	3		27	15	12	
4	CALLINECTES SIMILIS	5	5			19	18	1	1	24	23	1	1
5	PENAEUS SETIFERUS	15	9	6		6	5	1		21	14	7	
6	CALIACTIS TRICOLOR	7				12	12			19	12		
7	PENAEUS AZTECUS	6	2	4		2	1	1		8	3	5	
8	XIPHOPENAEUS KROYERI	5		5						5		5	
9	SICYONIA DORSALIS	2	1	1		3	2	1		5	3	2	
10	CANTHARUS CANCELLARIA					4				4			
11	CALLINECTES SAPIDUS					2		2	2	2		2	2
12	PENAEUS DUORARUM	1		1						1		1	
13	PERSEPHONA CRINITA					1	1			1	1		
NO. OF SPECIES		10				11				13			
NO. OF INDIVIDUALS		91	34	57		98	54	40	3	189	88	90	3

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	1	13	189	3.1152	.8683	1.0000

STATION 2 TRANSECT 1 PERIOD 77FALL

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	CALLINECTES SIMILIS	15	1	14	2	51	12	39	7	66	13	53	9
2	PENAEUS AZTECUS	8	3	5		39	17	22		47	20	27	
3	SICYONIA DORSALIS					29	15	14		29	15	14	
4	ASTROPECTEN DUPLICATUS					16				16			
5	TRACHYPENAEUS SIMILIS					8	1	7		8	1	7	
6	SQUILLA EMPUSA					5	2	3		5	2	3	
7	PORTUNUS GIBBESII	3	1	2						3	1	2	
8	PENAEUS DUORARUM	2	2							2	2		
9	SQUILLA CHYDAFA					2	1	1		2	1	1	
10	AMUSIUM PAPYRACEUS					1				1			
11	CALLINECTES SAPIDUS	1		1	1					1		1	1
12	PORTUNUS SPINTMANUS					1		1		1		1	
NO. OF SPECIES		5				9				12			
NO. OF INDIVIDUALS		29	7	22	3	152	48	87	7	181	55	109	14

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	1	12	181	2.4805	.7670	.6667

STATION 3 TRANSECT 1 PERIOD 77FALL

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	F&E	TOTAL	M	FM	F&E	INDIV	M	FM	F&E
1	PORTUNUS SPINICARPUS	2		2		38	22	16	7	40	22	18	7
2	ANASIMUS LATUS	2	1	1	1	6	1	5	5	8	2	6	6
3	SOLENOCERA VIOSCAI					5	1	4		5	1	4	
4	ASTROPECTEN CINGULATUS					1				1			
5	SOLENOCERA ATLANTIDIS					1				1			
6	ACANTHOCARPUS ALEXANDRI	1		1						1		1	
7	PAGURUS BULLISI	1								1			
8	SQUILLA SP					1		1		1		1	
9	BRISSOPSIS ALTA	1								1			
NO. OF SPECIES		5				6				9			
NO. OF INDIVIDUALS		7	1	4	1	52	24	26	12	59	25	30	13

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	1	9	59	1.6738	.5219	.4444

STATION 4 TRANSECT 1 PERIOD 77FALL

RANK	SPECIES	DAY			NIGHT			TOTAL				
		TOTAL	M	FM	F&E	TOTAL	M	FM	F&E	INDIV	M	FM
1	PORTUNUS GIRBESII	15	8	7		82	27	55		97	35	62
2	PENAEUS SETIFERUS	17	6	11		31	18	13		48	24	24
3	TRACHYPENAEUS SIMILIS	11		10		33	2	31		44	2	41
4	SQUILLA EMPUSA	7	5	2		9	7	2		16	12	4
5	SICYONIA DORSALIS	1	1			13	5	8		14	6	8
6	CALLINECIES SIMILIS	4	3	1		3		3		7	3	4
7	XIPHOPENAEUS KROYERI					5	1	4		5	1	4
8	PENAEUS AZTECUS	3	2	1		2		2		5	2	3
9	PORTUNUS SPINIMANUS					2		2		2		2
10	CALIACTIS TRICOLOR					2				2		
11	TRACHYPENAEUS CONSTRICTUS	1		1						1		1
NO. OF SPECIES		8			10			11				
NO. OF INDIVIDUALS		59	25	33		182	60	124		241	85	153

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	1	11	241	2.4703	.7585	.7273

STATION 5 TRANSECT 1 PERIOD 77FALL

.....

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	SICYONIA BREVIROSTRIS					29	11	18		29	11	18	
2	PENAEUS AZTECUS	2	1	1		15	9	6		17	10	7	
3	CALLINECTES SIMILIS	1		1	1	10	3	7		11	3	8	1
4	SOLENCERA VIOSCAI					10	2	8		10	2	8	
5	AMUSIUM PAPYRACEUS					7	7			7	7		
6	SICYONIA DORSALIS	4	3	1						4	3	1	
7	PORTUNUS SPINICARPUS					2		2		2		2	
8	SQUILLA CHYDAEA					1	1			1	1		
NO. OF SPECIES		3				7				8			
NO. OF INDIVIDUALS		7	4	3	1	74	33	41		81	37	44	1

.....

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	1	8	81	2.5009	.7932	1.0000

STATION 6 TRANSECT 1 PERIOD 77FALL

RANK	SPECIES	DAY			NIGHT			TOTAL				
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM
1	PORTUNUS SPINICARPUS	1	1			20	15	5		21	16	5
2	AMUSIUM PAPYRACEUS					8				8		
3	SOLENCERA VIOSCAI					6	1	5		6	1	5
4	ANASIMUS LATUS					5	2	3	3	5	2	3
5	PARAPANDALUS CF LONGICAUDA					3		3	3	3		3
6	PENAEUS AZTECUS	2	1	1						2	1	1
7	PARAPENAEUS LONGIROSTRIS					1		1		1		1
8	OCTOPUS SP	1								1		
9	SICYONIA BREVIROSTRIS					1		1		1		1
NO. OF SPECIES		3				7				9		
NO. OF INDIVIDUALS		4	2	1		44	18	18	6	48	20	19

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	1	9	48	2.4617	.7633	.8889

STATION 1 TRANSECT 2 PERIOD 77FALL

.....

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	PORTUNUS GIBBESII	43	22	21		29	19	10		72	41	31	
2	CALLINECTES SIMILIS	37	19	18	2	23	11	12		60	30	30	2
3	TRACHYPENAEUS SIMILIS	25	3	22		31	4	27		56	7	49	
4	SICYONIA DORSALIS	36	17	19		16	6	10		52	23	29	
5	SQUILLA EMPUSA	18	11	7		31	12	19		49	23	26	
6	PENAEUS SETIFERUS	14	8	6		25	14	11		39	22	17	
7	PENAEUS AZTECUS	12	4	8		3	2	1		15	6	9	
8	CALIACTIS TRICOLOR	10				1				11			
9	PORTUNUS SPINIMANUS	3	1	2						3	1	2	
10	RENILLA MULLERI					1				1			
11	CALLINECTES SAPIDUS	1		1						1		1	
NO. OF SPECIES		10				9				11			
NO. OF INDIVIDUALS		199	85	104	2	160	68	92		359	153	194	2

.....

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	2	11	359	2.9134	.8557	1.0000

STATION 2 TRANSECT 2 PERIOD 77FALL

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	SICYONIA DORSALIS	10	4	6		1830	970	840		1840	974	846	
2	CALLINECTES SIMILIS	11	4	7	2	97	26	71	15	108	30	78	17
3	PENAEUS AZTECUS	2	2			21	7	14		23	9	14	
4	ASTROPECTEN DUPLICATUS					23				23			
5	SQUILLA CHYDAEA					17	6	11		17	6	11	
6	TRACHYPENAEUS SIMILIS					13	1	10		13	1	10	
7	SQUILLA EMPUSA					9	8	1		9	8	1	
8	AMUSIUM PAPYRACEUS					2				2			
9	SOLENCERA VIOSCAI					1	1			1	1		
10	CALLINECTES SAPIDUS					1		1		1		1	
11	CALIACTIS TRICOLOR					1				1			
12	MOLPADIA ADAMANENSIS	1								1			
13	SICYONIA BREVIROSTRIS					1	1			1	1		
NO. OF SPECIES		4				12				13			
NO. OF INDIVIDUALS		24	10	13	2	2016	1020	948	15	2040	1030	961	17

STATION 2 TRANSECT 2 SPECIES 13 INDIVIDUALS 2040 DIVERSITY .6811 PIE .1834 EQUITABILITY .1538

STATION 3 TRANSECT 2 PERIOD 77FALL

.....

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	F&E	TOTAL	M	FM	F&E	INDIV	M	FM	F&E
1	PORTUNUS SPINICARPUS	2	1	1		50	16	34	2	52	17	35	2
2	SOLENCERA VIOSCAI					4	1	3		4	1	3	
3	ANASIMUS LATUS					2		2	2	2		2	2
4	AMUSIUM PAPYRACEUS	2								2			
5	THALASSOPLAX ANGUSTA					1	1			1	1		
NO. OF SPECIES		2				4				5			
NO. OF INDIVIDUALS		4	1	1		57	18	39	4	61	19	40	4

.....

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	2	5	61	.8761	.2710	.4000

STATION 4 TRANSECT 2 PERIOD 77FALL

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	F&E	TOTAL	M	FM	F&E	INDIV	M	FM	F&E
1	SICYONIA DORSALIS	2	2			112	70	42		114	72	42	
2	CALLINECTES SIMILIS	50	9	41	16	41	15	26	3	91	24	67	19
3	PENAEUS AZTECUS	12	4	8		6		6		18	4	14	
4	TRACHYPENAEUS SIMILIS					16	1	13		16	1	13	
5	SQUILLA CHYDAEA					6	3	3		6	3	3	
6	PORTUNUS GIBBESII					3	1	2		3	1	2	
7	SQUILLA EMPUSA					3	2	1		3	2	1	
8	ASTROPECTEN DUPLICATUS					2				2			
NO. OF SPECIES		3				8				8			
NO. OF INDIVIDUALS		64	15	49	16	189	92	93	3	253	107	142	19

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIF	EQUITABILITY
4	2	8	253	1.9101	.6602	.6250

STATION 5 TRANSECT 2 PERIOD 77FALL

.....

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	SOLENOCERA VIOSCAI					65	2	60		65	2	60	
2	PORTUNUS SPINICARPUS					21	7	14	1	21	7	14	1
3	AMUSIUM PAPYRACEUS	11				6				17			
4	PENAEUS AZTECUS					13	2	11		13	2	11	
5	CALLINECTES SIMILIS	2		2		10	3	7		12	3	9	
6	SICYONIA DORSALIS					5	3	2		5	3	2	
7	SQUILLA CHYDAEA					5	1	4		5	1	4	
8	LEIOLAMBKUS NITIDUS	1		1		4	2	2		5	2	3	
9	ANADARA BAUGHMANI	2				2				4			
10	ANASIMUS LATUS					3	2	1	1	3	2	1	1
11	PSEUDORHOMBILA QUADRIDENTATA	1		1						1		1	
12	TRACHYPENAEUS SIMILIS					1		1		1		1	
13	SQUILLA EMPUSA					1		1		1		1	
14	SICYONIA STIMPSONI					1		1		1		1	
.....													
	NO. OF SPECIES	5				13				14			
	NO. OF INDIVIDUALS	17		4		137	22	104	2	154	22	108	2

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	2	14	154	2.7786	.7785	.7143

STATION 6 TRANSECT 2 PERIOD 77FALL

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	F&E	TOTAL	M	FM	F&E	INDIV	M	FM	F&E
1	AMUSIUM PAPYRACEUS	19				39				58			
2	SOLENOCERA VIOSCAI					13	3	10		13	3	10	
3	PENAEUS AZTECUS	1		1		11	6	5		12	6	6	
4	PORTUNUS SPINICARPUS					12	9	3	1	12	9	3	1
5	SQUILLA CHYDAEA					4	2	2		4	2	2	
6	ANADARA HAUGHMANI					2				2			
7	PITAR CORDATUS					1				1			
8	CALAPPA SULCATA					1		1		1		1	
NO. OF SPECIES		2				8				8			
NO. OF INDIVIDUALS		20		1		83	20	21	1	103	20	22	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	2	8	103	1.9917	.6440	.6250

STATION 1 TRANSECT 3 PERIOD 77FALL

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	F&E	TOTAL	M	FM	F&E	INDIV	M	FM	F&E
1	PENAEUS AZTECUS	5	3	2		35	18	17		40	21	19	
2	CALLINECTES SIMILIS	1		1		20	4	16	6	21	4	17	6
3	TRACHYPENAEUS SIMILIS					15	4	11		15	4	11	
4	ASTROPECTEN DUPLICATUS	5				4				9			
5	SICYONIA DORSALIS					5	1	4		5	1	4	
6	PORUNUS GIBBESII					2	2			2	2		
7	SQUILLA EMPUSA					2	1	1		2	1	1	
8	RENILLA MULLERI					1				1			
9	SICYONIA BREVIROSTRIS					1		1		1		1	
NO. OF SPECIES		3				9				9			
NO. OF INDIVIDUALS		11	3	3		85	30	50	6	96	33	53	6

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	3	9	96	2.3403	.7493	.7778

STATION 2 TRANSECT 3 PERIOD 77FALL

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	SICYONIA DORSALIS	8	4	4		82	22	60		90	26	64	
2	SOLENCERA VIOSCAI					45	2	43		45	2	43	
3	PENAEUS AZTECUS	3	1	2		13	3	10		16	4	12	
4	CALLINECTES SIMILIS	3	2	1		4	2	2		7	4	3	
5	TRACHYPENAEUS SIMILIS					6		6		6		6	
6	ASTROPECTEN DUPLICATUS					2				2			
7	PORTUNUS SPINICARPUS	1		1		1	1			2	1	1	
8	AMUSIUM POPYRACEUS					2				2			
9	PORTUNUS SPINIMANUS					1	1			1	1		
10	LEIOLAMBRUS NITIDUS					1		1		1		1	
11	PACHYGRAPSUS TRANSVERSUS	1	1							1	1		
12	SICYONIA BREVIROSTRIS					1		1		1		1	
NO. OF SPECIES		5				11				12			
NO. OF INDIVIDUALS		16	8	8		158	31	123		174	39	131	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	3	12	174	2.0638	.6576	.5000

STATION 3 TRANSECT 5 PERIOD 77FALL

.....

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	PORTUNUS SPINICARPUS	2	1	1		17	7	10		19	8	11	
2	SOLFUCERA VIOSCAI					4				4			
3	RANINOIDES LOUISIANENSIS					2	1	1	1	2	1	1	1
4	BRISSOPSIS ALTA	1								1			
5	ANADARA BAUGHMANI					1				1			
6	ETHUSA MICROPHALMA	1	1							1	1		
NO. OF SPECIES		3				4				6			
NO. OF INDIVIDUALS		4	2	1		24	8	11	1	28	10	12	1

.....

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	3	6	28	1.5703	.5291	.6667

STATION 4 TRANSECT 3 PERIOD 77FALL

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	PENAEUS DUORARUM					6	2	4		6	2	4	
2	PORTUNUS GIBBESII					4	1	3	1	4	1	3	1
3	PENAEUS AZTECUS					1		1		1		1	
4	CALLINECTES SIMILIS					1		1		1		1	
5	LUIDIA CLATHRATA	1								1			
6	TRACHYPENAEUS CONSTRICTUS					1		1		1		1	
NO. OF SPECIES		1				5				6			
NO. OF INDIVIDUALS		1				13	3	10	1	14	3	10	1

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	3	6	14	2.1316	.7692	1.0000

STATION 5 TRANSECT 3 PERIOD 77FALL

.....

RANK	SPECIES	DAY			NIGHT			TOTAL				
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM
1	PENAEUS AZTECUS	2	2			46	24	22		48	26	22
2	TRACHYPENAEUS SIMILIS					9		9		9		9
3	SICYONIA DORSALIS					4	3	1		4	3	1
4	ASTROPECTEN DUPLICATUS					3				3		
5	PENAEUS DUORARUM					1		1		1		1
.....												
	NO. OF SPECIES	1				5				5		
	NO. OF INDIVIDUALS	2	2			63	27	33		65	29	33

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	3	5	65	1.2650	.4361	.6000

STATION 6 TRANSECT 3 PERIOD 77FALL

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	PORTUNUS SPINICARPUS	18	6	12		73	17	56	3	91	23	68	3
2	SOLENOCERA VIOSCAI					6		6		6		6	
3	RANINOIDES LOUISIANENSIS					1	1			1	1		
4	PORCELLANA SIGSBEIANA	1	1							1	1		
5	ACANTHOCARPUS ALEXANDRI	1	1							1	1		
6	ANASIMUS LATUS	1	1							1	1		
7	ASTROPECTEN CINGULATUS					1				1			
NO. OF SPECIES		4				4				7			
NO. OF INDIVIDUALS		21	9	12		81	18	62	3	102	27	74	3

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	3	7	102	.7156	.2021	.2857

STATION 1 TRANSECT 4 PERIOD 77FALL

.....

RANK	SPECIES	DAY			NIGHT			TOTAL				
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM
1	PENAEUS AZTECUS					32	16	16		32	16	16
2	PENAEUS DUORARUM					12	8	4		12	8	4
3	ASTROPECTEN DUPLICATUS	1				2				3		
4	TRACHYPENAEUS SIMILIS					2		2		2		2
5	SICYONIA DORSALIS					2	1	1		2	1	1
6	CALLINECIES SIMILIS					1		1		1		1
7	PORTUNUS GIBBESII					1	1			1	1	
8	SQUILLA EMPUSA					1		1		1		1
9	SICYONIA BREVIROSTRIS					1	1			1	1	
.....												
	NO. OF SPECIES	1				9				9		
	NO. OF INDIVIDUALS	1				54	27	25		55	27	25

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
1	4	9	55	1.9341	.6182	.5556

STATION 2 TRANSECT 4 PERIOD 77FALL

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	SICYONIA DORSALIS	123	57	66		17	9	8		140	66	74	
2	PENAEUS AZTECUS	2	2			62	42	20		64	44	20	
3	TRACHYPENAEUS SIMILIS					29	1	28		29	1	28	
4	CALLINECTES SIMILIS	4	2	2						4	2	2	
5	MULPADIA ADAMANENSIS	1								1			
6	LAEVICARDIUM LAEVIGATUM	1								1			
7	SICYONIA BREVIROSTRIS	1		1						1		1	
8	AMUSIUM PAPYRACEUS					1				1			
9	TETHYASTER VESTITUS					1				1			
10	RANINOIDES LOUISIANENSIS	1	1							1	1		
NO. OF SPECIES		7				5				10			
NO. OF INDIVIDUALS		133	62	69		110	52	56		243	114	125	

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
2	4	10	243	1.6272	.5865	.4000

STATION 3 TRANSECT 4 PERIOD 77FALL

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	F&E	TOTAL	M	FM	F&E	INDIV	M	FM	F&E
1	PORTUNUS SPINICARPUS	12	10	2		14	4	9	4	26	14	11	4
2	SOLENOCERA VIOSCAI					21	3	18		21	3	18	
3	SQUILLA CHYDAEA	1		1		15	3	12		16	3	13	
4	AMUSIUM PAPYRACEUS	13				2				15			
5	SICYONIA BREVIROSTRIS	2	1	1		8	3	5		10	4	6	
6	PENAEUS AZTECUS					9	7	2		9	7	2	
7	ASTROPECTEN SP	1								1			
8	POLYSTIRA ALBIDA	1								1			
9	PARAPENAEUS LONGIROSTRIS					1		1		1		1	
10	TETHYASTER VESTITUS					1				1			
NO. OF SPECIES		6				8				10			
NO. OF INDIVIDUALS		30	11	4		71	20	47	4	101	31	51	4

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
3	4	10	101	2.7142	.8335	1.0000

STATION 4 TRANSECT 4 PERIOD 77FALL

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	PORTUNUS GIBBSII					2	1	1		2	1	1	
2	PENAEUS DUORARUM					1	1			1	1		
NO. OF SPECIES					2						2		
NO. OF INDIVIDUALS					3			2			1		

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
4	4	2	3	.9198	.6667	1.0000

STATION 5 TRANSECT 4 PERIOD 77FALL

.....

RANK	SPECIES	DAY				NIGHT				TOTAL			
		TOTAL	M	FM	F&E	TOTAL	M	FM	F&E	INDIV	M	FM	F&E
1	PENAEUS AZTECUS	12	8	4		30	16	13		42	24	17	
2	TRACHYPENAEUS SIMILIS					26	7	19		26	7	19	
3	CALLINECTES SIMILIS	3		3		17	3	14	5	20	3	17	5
4	SICYONIA DORSALIS	2	2			11	5	6		13	7	6	
5	ASTROPECTEN DUPLICATUS	2				7				9			
6	SQUILLA EMPUSA					1		1		1		1	
7	PORTUNUS GIBBESII	1		1						1		1	
8	PENAEUS SETIFERUS	1		1						1		1	
9	PENAEUS DUORARUM					1		1		1		1	
NO. OF SPECIES		6				7				9			
NO. OF INDIVIDUALS		21	10	9		93	31	54	5	114	41	63	5

.....

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
5	4	9	114	2.3476	.7687	.7778

STATION 6 TRANSECT 4 PERIOD 77FALL

RANK	SPECIES	DAY			NIGHT			TOTAL				
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM
1	PENAEUS AZTECUS	8	6	2		83	14	69		91	20	71
2	CALLINECTES SIMILIS	2		2		10	1	9		12	1	11
3	AMUSIUM PAPYRACEUS	5				4				9		
4	SICYONIA BREVIROSTRIS					7	5	2		7	5	2
5	SOLENUCERA VIOSCAI					3	1	2		3	1	2
6	POLYSTIRA ALBIDA	1				1				2		
7	TETHYASTER VESTITUS					2				2		
8	SICYONIA DORSALIS	1		1						1		1
9	PORTUNUS SPINIMANUS					1		1		1		1
10	FUSINUS COUEI					1				1		
11	SQUILLA CHYDAEA					1	1			1	1	
12	PARAPENAEUS LONGIROSTRIS					1	1			1	1	
NO. OF SPECIES		5				11				12		
NO. OF INDIVIDUALS		17	6	5		114	23	83		131	29	88

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
6	4	12	131	1.7526	.5041	.4167

STATION 7 TRANSECT 4 PERIOD 77FALL

RANK	SPECIES	DAY			NIGHT			TOTAL					
		TOTAL	M	FM	FAE	TOTAL	M	FM	FAE	INDIV	M	FM	FAE
1	PORTUNUS SPINICARPUS	26	7	19	1	404	125	279	41	430	152	298	42
2	ANASIMUS LATUS	12	1	11	10	61	11	50	46	73	12	61	56
3	AMUSTIUM PAPYRACEUS	4				8				12			
4	SOLENOCERA VIOSCAI	1		1		10		10		11		11	
5	SQUILLA CHYDAEA					7	3	4		7	3	4	
6	ANADARA BAUGHMANI					7				7			
7	EUPHROSYNOPLAX CLAUSI					3	3			3	3		
8	PSEUDORHOMBILA QUADRIDENTATA					3	3			3	3		
9	ASTROPECTEN CINGULATUS					3				3			
10	POLYSTIRA ALBIDA	1				2				3			
11	ACANTHOCARPUS ALEXANDRI					2	2			2	2		
12	SICYONIA BREVIROSTRIS					2		2		2		2	
13	AIRINA SEMINUDA	2								2			
14	PITAR CORDATUS					1				1			
15	PODOCHELA SIDNEYI					1		1	1	1		1	1
16	CALAPPA SULCATA					1	1			1	1		
17	MYROPSIS QUINQUESPINOSA					1		1		1		1	
18	BRISSOPSIS ALTA	1								1			
19	KANINOIDES LOUISIANENSIS	1	1							1	1		
NO. OF SPECIES		8				16				19			
NO. OF INDIVIDUALS		48	9	31	11	516	148	347	88	564	157	378	99

STATION	TRANSECT	SPECIES	INDIVIDUALS	DIVERSITY	PIE	EQUITABILITY
7	4	19	564	1.4132	.4014	.1579

APPENDIX Q

DEMERSAL FISHES

List of Tables

<u>Table</u>		<u>Page</u>
1	List of Species Caught in 1977, Arranged in Systematic Order.	Q-2
2	Occurrences of Species Among the Ten Most Abundant Species.	Q-7
3	Catch Data for the Predominant Species Encountered During 1977.	Q-22
4	Catches of Major Species over the Four Transects for Each Sampling Period.	Q-36
5	Numbers and Weights of Benthic Fishes Collected at all Stations During all Sampling Periods, 1977.	Q-57

TABLE 1

LIST OF SPECIES CAUGHT IN 1977, ARRANGED IN SYSTEMATIC ORDER.
 NUMBER OF OCCURRENCES, TOTAL NUMBER OF INDIVIDUALS CAUGHT, AND
 TOTAL WEIGHT OF EACH SPECIES ARE GIVEN.
 NUMBER OF OCCURRENCES REPRESENTS THE NUMBER OF SAMPLING EPISODES
 IN WHICH THE SPECIES WAS CAUGHT.
 REPLICATE TRAWLS WERE COUNTED AS A SINGLE SAMPLING EPISODE.

Species	Number of Occurrences	Number of Individuals Caught	Total Weight (gms)
Squaliformes			
Carcharhinidae			
<i>Mustelus canis</i>	1	1	3450.0
Rajiformes			
Rajidae			
<i>Raja texana</i>	2	2	864.9
Dasyatidae			
<i>Dasyatis sayi</i>	2	2	4530.0
<i>Dasyatis americana</i>	2	1	107.5
Myliobatidae			
<i>Rhinoptera bonasus</i>	1	1	664.6
Torpedinidae			
<i>Narcine brasiliensis</i>	1	1	101.0
Anguilliformes			
Muraenidae			
<i>Gymnothorax nigromarginatus</i>	1	1	93.0
Muraenesocidae			
<i>Hoplunnis macrurus</i>	14	26	365.2
<i>Hoplunnis tenuis</i>	6	20	198.1
Congridae			
<i>Congrina flava</i>	4	4	197.2
<i>Uroconger syringus</i>	1	1	86.0
Ophichthidae			
<i>Myrophis punctatus</i>	7	10	515.0
Clupeiformes			
Clupeidae			
<i>Brevoortia gunteri</i>	1	1	30.6
<i>Brevoortia patronus</i>	6	187	6729.8
<i>Etrumeus teres</i>	6	157	1562.9
<i>Harengula pensacolatae</i>	18	377	8028.3
<i>Opisthonema oglinum</i>	2	2	121.5
<i>Sardinella anchovia</i>	1	1	63.6

TABLE 1 CONT.'D

Species	Number of Occurrences	Number of Individuals Caught	Total Weight (gms)
Engraulidae			
<i>Anchoa hepsetus</i>	18	142	2084.2
<i>Anchoa mitchilli</i>	3	15	25.5
<i>Anchoa nasuta</i>	2	2	4.7
Myctophiformes			
Synodontidae			
<i>Saurida brasiliensis</i>	42	196	1526.3
<i>Synodus foetens</i>	87	325	32133.0
<i>Synodus poeyi</i>	37	166	1325.8
Siluriformes			
Ariidae			
<i>Arius felis</i>	11	33	4224.9
<i>Bagre marinus</i>	3	8	291.4
Batrachoidiformes			
Batrachoidae			
<i>Opsanus pardus</i>	1	1	554.2
<i>Porichthys porosissimus</i>	56	201	2252.4
Lophiiformes			
Antennariidae			
<i>Antennarius radiosus</i>	15	43	343.1
Ogcocephalidae			
<i>Haliutichthys aculeatus</i>	35	118	699.0
<i>Ogcocephalus</i> spp.	32	76	2875.7
Gadiformes			
Bregmacerotidae			
<i>Bregmaceros atlanticus</i>	4	8	8.0
Gadidae			
<i>Physiculus fulvus</i>	6	7	43.1
<i>Steindachneria argentea</i>	1	7	144.1
<i>Urophycis cirratus</i>	36	144	3115.3
<i>Urophycis floridanus</i>	23	55	3481.1
Ophidiidae			
<i>Brotula barbata</i>	6	7	1707.1
<i>Lepophidium graellsii</i>	38	117	2892.5
<i>Neobythites gilli</i>	4	5	32.4
<i>Ophidion welshi</i>	1	1	32.0
<i>Gunterichthys longipennis</i>	1	2	64.7
Zeiformes			
Zeidae			
<i>Zenopsis ocellata</i>	4	4	336.8

TABLE 1 CONT.'D

Species	Number of Occurrences	Number of Individuals Caught	Total Weight (gms)
Perciformes			
Serranidae			
<i>Centropristis philadelphica</i>	80	456	21395.8
<i>Diplectrum bivittatum</i>	39	524	6810.3
<i>Epinephelus nigritus</i>	2	2	19.8
<i>Hemanthias leptus</i>	4	7	214.4
<i>Hemanthias vivanus</i>	5	9	234.3
<i>Pikea mexicana</i>	2	4	51.4
<i>Serraniculus pumilio</i>	1	1	2.7
<i>Serranus atrobranchus</i>	101	2878	48115.9
Grammistidae			
<i>Rypticus saponaceus</i>	1	1	48.2
Priacanthidae			
<i>Priacanthus arenatus</i>	21	41	4363.7
Branchiostegidae			
<i>Caulolatilus intermedius</i>	37	119	7574.1
Carangidae			
<i>Chloroscombrus chrysurus</i>	20	642	10914.1
<i>Selar crumenophthalmus</i>	2	17	530.4
<i>Selene vomer</i>	1	1	45.0
<i>Trachinotus carolinus</i>	1	4	704.9
<i>Trachurus lathamii</i>	83	4380	56062.0
<i>Urapsis secunda</i>	1	1	4320.0
<i>Vomer setapinnis</i>	11	33	2315.2
Lutjanidae			
<i>Lutjanus campechanus</i>	50	352	20774.3
<i>Pristipomoides aquilonaris</i>	96	1446	107220.6
<i>Rhomboplites aurorubens</i>	1	1	4.0
Gerreidae			
<i>Eucinostomus gula</i>	4	6	84.5
Pomadasyidae			
<i>Orthopristis chrysoptera</i>	5	69	1388.7
Sparidae			
<i>Calamus leucosteus</i>	1	1	474.2
<i>Lagodon rhomboides</i>	14	53	2709.5
<i>Stenotomus caprinus</i>	83	1648	66230.2
Sciaenidae			
<i>Cynoscion arenarius</i>	46	365	19542.2
<i>Cynoscion nothus</i>	40	1248	18023.4
<i>Equetes acuminatus</i>	18	37	1924.0
<i>Larimus fasciatus</i>	6	10	184.5
<i>Leiostomus xanthurus</i>	17	52	3094.8
<i>Menticirrhus americanus</i>	13	21	1661.5
<i>Menticirrhus focalinger</i>	2	2	365.3
<i>Micropogon undulatus</i>	67	2856	77075.0
<i>Stellifer lanceolatus</i>	14	19	364.4
<i>Umbrina coroides</i>	1	2	43.9

TABLE 1 CONT.'D

Species	Number of Occurrences	Number of Individuals Caught	Total Weight (gms)
Mullidae			
<i>Mullus auratus</i>	2	9	417.7
<i>Upeneus parvus</i>	61	388	8964.4
Ephippidae			
<i>Chaetodipterus faber</i>	9	37	823.6
Labridae			
<i>Decodon puellaris</i>	7	9	688.9
Sphyraenidae			
<i>Sphyraena guachancho</i>	1	1	40.0
Polynemidae			
<i>Polydactylus octonemus</i>	28	636	19790.9
Opistognathidae			
<i>Lenchopisthus lindneri</i>	1	1	11.1
Percophididae			
<i>Bembrops anatirostris</i>	10	15	693.4
Uranoscopidae			
<i>Kathetostoma albigutta</i>	17	50	2121.7
Callionymidae			
<i>Callionymus agassizi</i>	2	5	23.3
Gobiidae			
<i>Bollmannia communis</i>	28	123	636.4
<i>Gobionellus hastatus</i>	1	1	30.7
Trichiuridae			
<i>Trichiurus lepturus</i>	28	115	3745.4
Scombridae			
<i>Scomber japonicus</i>	8	54	728.2
<i>Scomberomorus cavalla</i>	1	2	99.0
<i>Scomberomorus maculatus</i>	1	1	238.7
Stromateidae			
<i>Peprilus alepilotus</i>	7	10	136.2
<i>Peprilus burti</i>	64	5574	61679.6
<i>Psenes pellucidus</i>	1	8	178.2
Scorpaenidae			
<i>Neomerinthe hemingwayi</i>	3	4	2792.4
<i>Pontinus longispinis</i>	25	215	8179.1
<i>Scorpaena brasiliensis</i>	2	2	609.6
<i>Scorpaena calcarata</i>	7	9	57.1
<i>Scorpaena dispar</i>	4	4	72.7
Triglidae			
<i>Bellator militaris</i>	2	3	33.8
<i>Peristedion gracile</i>	1	1	2.6
<i>Prionotus ophryas</i>	2	3	10.1
<i>Prionotus paralatus</i>	70	1615	26957.5
<i>Prionotus rubio</i>	51	185	5672.2
<i>Prionotus roseus</i>	3	10	381.4
<i>Prionotus stearnsi</i>	53	401	3873.1
<i>Prionotus tribulus</i>	3	8	69.9

TABLE 1 CONT.'D

Species	Number of Occurrences	Number of Individuals Caught	Total Weight (gms)
Pleuronectiformes			
Bothidae			
<i>Ancylosetta dilecta</i>	33	93	2612.1
<i>Ancylosetta quadrocellata</i>	10	12	674.3
<i>Citharichthys spilopterus</i>	11	41	429.0
<i>Cyclosetta chittendeni</i>	33	80	6564.7
<i>Engyophrys senta</i>	20	44	244.8
<i>Etropus crossotus</i>	25	41	533.6
<i>Paralichthys albigutta</i>	1	1	28.0
<i>Paralichthys lethostigma</i>	1	1	399.2
<i>Syacium gunteri</i>	77	1099	15522.5
<i>Trichopsetta ventralis</i>	55	449	8453.0
Soleidae			
<i>Gymnachirus texae</i>	23	58	741.6
<i>Archirus lineatus</i>	1	1	5.1
Cynoglossidae			
<i>Symphurus civitatus</i>	1	3	74.4
<i>Symphurus diomedianus</i>	1	1	17.9
<i>Symphurus plaguisa</i>	5	6	135.3
Tetraodontiformes			
Balistidae			
<i>Balistes capriscus</i>	2	2	47.3
<i>Monacanthus hispidus</i>	1	1	3.4
Tetradontidae			
<i>Lagocephalus laevigatus</i>	23	41	1008.5
<i>Sphoeroides dorsalis</i>	1	1	51.8
<i>Sphoeroides parvus</i>	41	295	1364.4
<i>Sphoeroides spengleri</i>	3	4	111.5
Diodontidae			
<i>Chilomycterus schoepfi</i>	1	1	4.1

TABLE 2

OCCURRENCES OF SPECIES AMONG THE TEN MOST ABUNDANT SPECIES.
 AN ASTERISK IN A CELL INDICATES THAT THE SPECIES
 WAS AMONG THE TEN MOST ABUNDANT SPECIES
 (AND OCCURRED WITH ABUNDANCE \geq 10 INDIVIDUALS)
 IN THE STATION GROUP AND SEASON REPRESENTED BY THAT CELL.

Anchoa hepsetus

Day	Winter	Spring	Fall
Station group 1		*	*
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Anchoa mitchilli

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1	*		
Station group 2			
Station group 3			

TABLE 2 CONT.'D

Bollmannia communis

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1			
Station group 2		*	
Station group 3			

Brevoortia patronus

Day	Winter	Spring	Fall
Station group 1		*	
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Caulolatilus intermedius

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			*
Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

TABLE 2 CONT.'D

Centropristis philadelphica

Day	Winter	Spring	Fall
Station group 1			
Station group 2	*		
Station group 3			
Night	Winter	Spring	Fall
Station group 1			
Station group 2	*	*	*
Station group 3			

Chaetodipterus faber

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1			*
Station group 2			
Station group 3			

Chloroscombrus chrysurus

Day	Winter	Spring	Fall
Station group 1		*	
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1		*	
Station group 2			
Station group 3			

TABLE 2 CONT.'D

Citharichthys spilopterus

Day	Winter	Spring	Fall
Station group 1			*
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Cynoscion arenarius

Day	Winter	Spring	Fall
Station group 1	*		
Station group 2			*
Station group 3			
Night	Winter	Spring	Fall
Station group 1	*	*	
Station group 2			
Station group 3			

Cynoscion nothus

Day	Winter	Spring	Fall
Station group 1		*	*
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1	*	*	*
Station group 2			*
Station group 3			

TABLE 2 CONT.'D

Diplectrum bivittatum

Day	Winter	Spring	Fall
Station group 1			*
Station group 2		*	*
Station group 3			
Night	Winter	Spring	Fall
Station group 1			*
Station group 2	*		*
Station group 3			

Etrumeus teres

Day	Winter	Spring	Fall
Station group 1		*	
Station group 2		*	
Station group 3			
Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Halieutichthys aculeatus

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			*

TABLE 2 CONT.'D

Harengula pensacolatae

Day	Winter	Spring	Fall
Station group 1		*	
Station group 2			*
Station group 3			
Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Hoplunnis tenuis

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3		*	

Kathetostoma albigutta

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1			
Station group 2	*		
Station group 3			

TABLE 2 CONT.'D

Lutjanus campechanus

Day	Winter	Spring	Fall
Station group 1			*
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1			*
Station group 2			
Station group 3			

Micropogon undulatus

Day	Winter	Spring	Fall
Station group 1	*	*	*
Station group 2			*
Station group 3			
Night	Winter	Spring	Fall
Station group 1		*	*
Station group 2			*
Station group 3			

Orthopristis chrysoptera

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1			*
Station group 2			
Station group 3			

TABLE 2 CONT.'D

Peprilus burti

Day	Winter	Spring	Fall
Station group 1	*	*	*
Station group 2		*	*
Station group 3			
Night	Winter	Spring	Fall
Station group 1	*	*	
Station group 2			
Station group 3			

Polydactylus octonemus

Day	Winter	Spring	Fall
Station group 1		*	*
Station group 2			*
Station group 3			
Night	Winter	Spring	Fall
Station group 1		*	*
Station group 2			
Station group 3			

Pontinus longispinis

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			*
Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3	*	*	*

TABLE 2 CONT.'D

Porichthys porosissimus

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1			
Station group 2	*		
Station group 3			

Prionotus paralatus

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3	*	*	*
Night	Winter	Spring	Fall
Station group 1			
Station group 2		*	*
Station group 3	*	*	*

Prionotus rubio

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1			*
Station group 2			
Station group 3	*		

TABLE 2 CONT.'D

Prionotus stearnsi

Day	Winter	Spring	Fall
Station group 1			
Station group 2	*		
Station group 3			*
Night	Winter	Spring	Fall
Station group 1			
Station group 2		*	*
Station group 3			

Pristipomoides aquilonaris

Day	Winter	Spring	Fall
Station group 1			
Station group 2	*	*	
Station group 3	*	*	*
Night	Winter	Spring	Fall
Station group 1			
Station group 2		*	*
Station group 3	*	*	*

Saurida brasiliensis

Day	Winter	Spring	Fall
Station group 1			
Station group 2	*	*	
Station group 3			
Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

TABLE 2 CONT.'D

Selar crumenophthalmus

Day	Winter	Spring	Fall
Station group 1			
Station group 2	*		
Station group 3			
Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Scomber japonicus

Day	Winter	Spring	Fall
Station group 1			
Station group 2		*	
Station group 3			
Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Serranus atrobranchus

Day	Winter	Spring	Fall
Station group 1			
Station group 2	*	*	*
Station group 3	*	*	*
Night	Winter	Spring	Fall
Station group 1			
Station group 2	*	*	*
Station group 3	*	*	*

TABLE 2 CONT.'D

Spherooides parvus

Day	Winter	Spring	Fall
Station group 1			
Station group 2	*		
Station group 3			
Night	Winter	Spring	Fall
Station group 1		*	*
Station group 2	*		
Station group 3			

Stenotomus caprinus

Day	Winter	Spring	Fall
Station group 1			
Station group 2	*	*	*
Station group 3	*	*	*
Night	Winter	Spring	Fall
Station group 1			
Station group 2	*	*	*
Station group 3	*	*	*

Syacium gunteri

Day	Winter	Spring	Fall
Station group 1	*		*
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1	*	*	*
Station group 2	*	*	*
Station group 3	*		

TABLE 2 CONT.'D

Synodus foetens

Day	Winter	Spring	Fall
Station group 1			
Station group 2	*	*	*
Station group 3		*	
Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			

Synodus poeyi

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1			
Station group 2	*	*	
Station group 3			

Trachurus lathami

Day	Winter	Spring	Fall
Station group 1		*	*
Station group 2	*	*	*
Station group 3		*	*
Night	Winter	Spring	Fall
Station group 1		*	
Station group 2			
Station group 3		*	*

TABLE 2 CONT. 'D

Trichiurus lepturus

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1	*		
Station group 2			
Station group 3			

Trichopsetta ventralis

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			*
Night	Winter	Spring	Fall
Station group 1			
Station group 2	*		
Station group 3	*	*	*

Upeneus parvus

Day	Winter	Spring	Fall
Station group 1			
Station group 2		*	
Station group 3	*	*	*
Night	Winter	Spring	Fall
Station group 1		*	
Station group 2		*	
Station group 3	*	*	*

TABLE 2 CONT.'D

Urophycis cirratus

Day	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3			
Night	Winter	Spring	Fall
Station group 1			
Station group 2			
Station group 3		*	*

TABLE 3

CATCH DATA FOR THE PREDOMINANT SPECIES ENCOUNTERED DURING 1977.
ENTRIES ARE AVERAGE NUMBER OF INDIVIDUALS CAUGHT PER TRAWL.

Anchoa hepsetus

Day	Winter	Spring	Fall	
Station Group 1	0.6	11.4	3.5	15.5
Station Group 2	0.0	0.1	0.5	0.6
Station Group 3	0.0	0.0	0.0	0.0
	0.6	11.5	4.0	16.1
Night				
Station Group 1	0.0	0.0	0.4	0.4
Station Group 2	0.0	0.0	0.1	0.1
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.0	0.5	0.5

Anchoa mitchilli

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.3	0.0	0.3
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.3	0.0	0.3
Night				
Station Group 1	1.0	0.0	0.0	1.0
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.0	0.0	0.0	0.0
	1.0	0.0	0.0	1.0

Bollmannia communis

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.0	0.4	0.4
Station Group 2	0.1	0.0	0.3	0.4
Station Group 3	0.0	0.0	0.0	0.0
	0.1	0.0	0.7	0.8
Night				
Station Group 1	0.1	0.0	0.0	0.1
Station Group 2	0.3	1.7	1.1	3.1
Station Group 3	0.0	0.0	0.0	0.0
	0.4	1.7	1.1	3.2

TABLE 3 CONT.'D

Brevoortia patronus

Day	Winter	Spring	Fall	
Station Group 1	0.4	10.1	0.0	10.5
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.0	0.0	0.0	0.0
	0.4	10.1	0.0	10.5
Night				
Station Group 1	0.1	0.0	0.0	0.1
Station Group 2	0.1	0.0	0.1	0.2
Station Group 3	0.0	0.0	0.0	0.0
	0.2	0.0	0.1	0.3

Caulolatilus intermedius

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.2	1.1	1.3
Station Group 3	0.3	0.8	3.3	4.4
	0.3	1.0	4.4	5.7
Night				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.3	1.3	1.6
Station Group 3	0.2	0.4	1.1	1.7
	0.2	0.7	2.4	3.3

Centropristis philadelphica

Day	Winter	Spring	Fall	
Station Group 1	0.1	0.0	0.4	0.5
Station Group 2	1.1	0.2	10.3	11.6
Station Group 3	0.5	0.1	0.4	1.0
	1.7	0.3	11.1	13.1
Night				
Station Group 1	0.1	0.8	2.3	3.2
Station Group 2	0.8	3.4	7.8	12.0
Station Group 3	0.3	0.9	1.4	2.6
	1.2	5.1	11.5	17.8

TABLE 3 CONT.'D

Chaetodipterus faber

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	1.0	1.0
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.0	1.0	1.0
Night				
Station Group 1	0.1	0.0	2.9	3.0
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.0	0.0	0.0	0.0
	0.1	0.0	2.9	3.0

Chloroscombrus chrysurus

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	75.2	1.6	76.8
Station Group 2	0.0	0.1	0.8	0.9
Station Group 3	0.0	0.0	0.0	0.0
	0.0	75.3	2.4	77.7
Night				
Station Group 1	0.0	1.4	0.1	1.5
Station Group 2	0.0	0.0	0.1	0.1
Station Group 3	0.0	0.0	0.0	0.0
	0.0	1.4	0.2	1.6

Citharichthys spilopterus

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	2.6	2.6
Station Group 2	0.0	0.0	0.1	0.1
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.0	2.7	2.7
Night				
Station Group 1	0.0	0.0	1.0	1.0
Station Group 2	0.0	0.0	0.4	0.4
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.0	1.4	1.4

TABLE 3 CONT.'D

Cynoscion arenarius

Day	Winter	Spring	Fall	
Station Group 1	1.9	0.0	1.4	3.3
Station Group 2	0.1	0.0	7.8	7.9
Station Group 3	0.0	0.1	0.0	0.1
	2.0	0.1	9.2	11.3
Night				
Station Group 1	2.6	7.1	1.3	11.0
Station Group 2	0.3	0.1	1.8	2.2
Station Group 3	0.1	0.0	0.7	0.8
	3.0	7.2	3.8	14.0

Cynoscion nothus

Day	Winter	Spring	Fall	
Station Group 1	0.6	57.7	17.3	75.6
Station Group 2	0.1	0.0	0.1	0.2
Station Group 3	0.0	0.0	0.0	0.0
	0.7	57.7	17.4	75.8
Night				
Station Group 1	2.0	12.8	7.9	22.7
Station Group 2	0.0	0.1	5.6	5.7
Station Group 3	0.0	0.0	0.0	0.0
	2.0	12.9	13.5	28.4

Diplectrum bivittatum

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.9	3.5	4.4
Station Group 2	0.5	1.2	4.3	6.0
Station Group 3	0.0	0.0	0.1	0.1
	0.5	2.1	7.9	10.5
Night				
Station Group 1	0.0	0.2	5.7	5.9
Station Group 2	1.1	0.5	10.8	12.4
Station Group 3	0.0	0.0	0.0	0.0
	1.1	0.7	16.5	18.3

TABLE 3 CONT.'D

Etrumeusteres

Day	Winter	Spring	Fall	
Station Group 1	0.0	6.6	0.1	6.7
Station Group 2	0.0	6.4	1.5	7.9
Station Group 3	0.0	0.0	0.0	0.0
	0.0	13.0	1.6	14.6

Night

Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.1	0.0	0.1
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.1	0.0	0.1

Halieutichthys aculeatus

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.0	2.1	2.1
Station Group 2	0.2	0.1	0.1	0.4
Station Group 3	0.0	0.0	0.4	0.4
	0.2	0.1	2.6	2.9

Night

Station Group 1	0.2	0.0	1.2	1.4
Station Group 2	0.0	0.1	0.0	0.1
Station Group 3	0.7	0.3	3.2	4.2
	0.9	0.4	4.4	5.7

Harengula pensacolatae

Day	Winter	Spring	Fall	
Station Group 1	0.0	11.0	1.9	12.9
Station Group 2	0.0	0.1	20.7	20.8
Station Group 3	0.0	0.0	0.0	0.0
	0.0	11.1	22.6	33.7

Night

Station Group 1	0.0	0.1	0.1	0.2
Station Group 2	0.0	0.1	0.1	0.2
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.2	0.2	0.4

TABLE 3 CONT.'D

Hoplunnis tenuis

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.0	0.1	0.0	0.1
	0.0	0.1	0.0	0.1

Night

Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.1	0.0	0.1
Station Group 3	0.0	1.3	0.0	1.3
	0.0	1.4	0.0	1.4

Kathetostoma albigutta

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.5	0.0	0.1	0.6
	0.5	0.0	0.1	0.6

Night

Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.8	0.3	0.3	1.4
Station Group 3	0.4	0.1	0.2	0.7
	1.2	0.4	0.5	2.1

Lutjanus campechanus

Day	Winter	Spring	Fall	
Station Group 1	0.0	1.4	9.6	11.0
Station Group 2	0.0	0.5	3.4	3.9
Station Group 3	0.0	0.0	0.0	0.0
	0.0	1.9	13.0	14.9

Night

Station Group 1	0.0	1.0	15.3	16.3
Station Group 2	0.2	0.4	1.3	1.9
Station Group 3	0.3	0.0	0.3	0.6
	0.5	1.4	16.9	18.8

TABLE 3 CONT.'D

Micropogon undulatus

		Winter	Spring	Fall	
Day					
	Station Group 1	1.2	93.7	113.3	208.2
	Station Group 2	0.0	0.0	6.0	6.0
	Station Group 3	0.0	0.0	0.0	0.0
		1.2	93.7	119.3	214.2
Night					
	Station Group 1	1.0	11.8	80.4	93.2
	Station Group 2	0.1	0.0	7.6	7.7
	Station Group 3	0.1	0.0	0.4	0.5
		1.2	11.8	88.4	101.4

Orthopristis chrysoptera

		Winter	Spring	Fall	
Day					
	Station Group 1	0.1	0.0	0.0	0.1
	Station Group 2	0.0	0.0	0.1	0.1
	Station Group 3	0.0	0.0	0.0	0.0
		0.1	0.0	0.1	0.2
Night					
	Station Group 1	0.0	0.0	7.4	7.4
	Station Group 2	0.0	0.0	0.0	0.0
	Station Group 3	0.0	0.0	0.0	0.0
		0.0	0.0	7.4	7.4

Peprilus burti

		Winter	Spring	Fall	
Day					
	Station Group 1	1.8	536.1	5.8	543.7
	Station Group 2	0.3	65.0	9.2	74.5
	Station Group 3	0.0	0.0	0.3	0.3
		2.1	601.1	15.3	618.5
Night					
	Station Group 1	1.1	5.6	1.8	8.5
	Station Group 2	0.4	0.6	0.3	1.3
	Station Group 3	0.8	0.1	0.1	1.0
		2.3	6.3	2.2	10.8

TABLE 3 CONT.'D

Polydactylus octonemus

Day	Winter	Spring	Fall	
Station Group 1	0.0	5.8	10.6	16.4
Station Group 2	0.0	0.0	4.4	4.4
Station Group 3	0.0	0.0	0.0	0.0
	0.0	5.8	15.0	20.8
Night				
Station Group 1	0.0	13.4	10.7	24.1
Station Group 2	0.0	0.0	3.1	3.1
Station Group 3	0.0	0.0	0.0	0.0
	0.0	13.4	13.8	27.2

Pontinus longispinus

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.4	0.5	3.6	4.5
	0.4	0.5	3.6	4.5
Night				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.4	0.0	0.4
Station Group 3	1.6	4.1	3.4	9.1
	1.6	4.5	3.4	9.5

Porichthys porosissimus

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.0	1.1	1.1
Station Group 2	0.0	0.0	1.0	1.0
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.0	2.1	2.1
Night				
Station Group 1	0.0	1.6	1.8	3.4
Station Group 2	1.3	1.3	1.1	3.7
Station Group 3	0.6	0.7	0.9	2.2
	1.9	3.6	3.8	9.3

TABLE 3 CONT.'D

Prionotus paralatus

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.0	0.4	0.4
Station Group 2	0.0	0.1	3.5	3.6
Station Group 3	1.3	1.5	11.0	13.8
	1.3	1.6	14.9	17.8
Night				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.1	8.3	11.3	19.7
Station Group 3	3.1	3.3	41.0	47.4
	3.2	11.6	52.3	67.1

Prionotus rubio

Day	Winter	Spring	Fall	
Station Group 1	0.3	0.0	1.8	2.1
Station Group 2	0.3	0.0	0.5	0.8
Station Group 3	0.5	0.0	0.4	0.9
	1.1	0.0	2.7	3.8
Night				
Station Group 1	0.0	0.8	2.6	3.4
Station Group 2	0.4	1.3	2.3	4.0
Station Group 3	1.3	0.4	0.3	2.0
	1.7	2.5	5.2	9.4

Prionotus stearnsi

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	3.5	1.1	2.6	7.2
Station Group 3	1.1	0.1	1.6	2.8
	4.6	1.2	4.2	10.0
Night				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.3	5.5	6.2	12.0
Station Group 3	0.0	0.2	1.0	1.2
	0.3	5.7	7.2	13.2

TABLE 3 CONT.'D

Pristipomoides aquilonaris

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.4	0.0	0.4
Station Group 2	4.2	3.6	2.9	10.7
Station Group 3	8.2	16.7	14.5	39.4
	12.4	20.7	17.4	50.5

Night

Station Group 1	0.0	0.4	0.0	0.4
Station Group 2	0.5	2.8	4.5	7.8
Station Group 3	6.2	17.1	9.5	32.8
	6.7	20.3	14.0	41.0

Saurida brasiliensis

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	2.3	1.9	1.2	5.4
Station Group 3	0.4	0.0	0.1	0.5
	2.7	1.9	1.3	5.9

Night

Station Group 1	0.2	0.1	0.1	0.4
Station Group 2	0.3	2.6	2.6	5.5
Station Group 3	0.0	0.1	0.0	0.1
	0.5	2.8	2.7	6.0

Scomber japonicus

Day	Winter	Spring	Fall	
Station Group 1	0.0	2.4	0.0	2.4
Station Group 2	0.0	2.4	0.0	2.4
Station Group 3	0.0	0.3	0.0	0.3
	0.0	5.1	0.0	5.1

Night

Station Group 1	0.0	0.1	0.0	0.1
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.1	0.0	0.1

TABLE 3 CONT.'D

Selar crumenophthalmus

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	1.3	0.0	0.0	1.3
Station Group 3	0.0	0.0	0.0	0.0
	1.3	0.0	0.0	1.3
Night				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.0	0.0	0.0
Station Group 3	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0

Serranus atrobranchus

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.4	0.0	0.4
Station Group 2	3.7	3.8	11.9	19.4
Station Group 3	4.6	6.1	18.0	28.7
	8.3	10.3	29.9	48.5
Night				
Station Group 1	0.0	0.7	0.0	0.7
Station Group 2	2.9	9.6	19.7	32.2
Station Group 3	10.3	20.9	47.0	78.2
	13.2	31.2	66.7	111.1

Sphoeroides parvus

Day	Winter	Spring	Fall	
Station Group 1	0.1	0.0	1.3	1.4
Station Group 2	3.4	0.1	0.1	3.6
Station Group 3	0.0	0.0	0.0	0.0
	3.5	0.1	1.4	5.0
Night				
Station Group 1	0.7	1.9	6.3	8.9
Station Group 2	1.9	0.5	0.4	2.8
Station Group 3	0.0	0.0	0.0	0.0
	2.6	2.4	6.7	11.7

TABLE 3 CONT.'D

Stenotomus caprinus

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	0.1	0.1
Station Group 2	1.8	1.8	4.3	7.9
Station Group 3	3.9	7.1	9.9	20.9
	5.7	8.9	14.3	28.9
Night				
Station Group 1	0.0	0.7	0.2	0.9
Station Group 2	3.4	12.3	10.1	25.8
Station Group 3	8.5	13.5	17.3	39.3
	11.9	26.5	27.6	66.0

Syacium gunteri

	Winter	Spring	Fall	
Day				
Station Group 1	2.5	0.1	11.4	14.0
Station Group 2	0.9	0.7	2.7	4.3
Station Group 3	0.0	0.0	0.0	0.0
	3.4	0.8	14.1	18.3
Night				
Station Group 1	2.8	3.9	12.7	19.4
Station Group 2	1.8	6.0	9.1	16.9
Station Group 3	1.7	0.8	0.0	2.5
	6.3	10.7	21.8	38.8

Synodus foetens

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	1.1	0.5	1.6
Station Group 2	1.1	3.6	6.0	10.7
Station Group 3	0.5	1.6	1.4	3.4
	1.6	6.3	7.9	15.8
Night				
Station Group 1	0.0	0.6	0.6	1.2
Station Group 2	0.5	1.3	1.7	3.5
Station Group 3	0.0	0.5	0.3	0.8
	0.5	2.4	2.6	5.5

TABLE 3 CONT.'D

Synodus poeyi

Day	Winter	Spring	Fall	
Station Group 1	0.0	0.0	0.1	0.1
Station Group 2	0.5	0.0	0.3	0.8
Station Group 3	0.0	0.0	0.0	0.0
	0.5	0.0	0.4	0.9
Night				
Station Group 1	0.0	0.0	0.1	0.1
Station Group 2	0.8	3.8	2.1	6.7
Station Group 3	0.0	0.1	0.1	0.2
	0.8	3.9	2.3	7.0

Trachurus lathami

Day	Winter	Spring	Fall	
Station Group 1	0.0	215.8	8.4	224.2
Station Group 2	1.2	92.8	15.5	109.5
Station Group 3	0.1	70.8	18.3	89.2
	1.2	379.4	42.2	422.9
Night				
Station Group 1	0.0	2.3	0.6	2.9
Station Group 2	0.1	0.5	1.3	1.9
Station Group 3	0.3	3.5	7.9	11.7
	0.4	6.3	9.8	16.5

Trichiurus lepturus

Day	Winter	Spring	Fall	
Station Group 1	0.4	3.5	0.3	4.2
Station Group 2	0.1	0.2	1.8	2.1
Station Group 3	0.0	0.0	0.0	0.0
	0.5	3.7	2.1	6.3
Night				
Station Group 1	3.1	0.0	0.4	3.5
Station Group 2	0.3	0.2	0.1	0.6
Station Group 3	0.0	0.0	0.1	0.1
	3.4	0.2	0.6	4.2

TABLE 3 CONT.'D

Trichopsetta ventralis

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.1	0.0	0.2	0.3
Station Group 3	0.3	0.2	2.6	3.1
	0.4	0.2	2.8	3.4
Night				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.9	0.6	1.8	3.3
Station Group 3	4.3	3.4	5.9	13.6
	5.2	4.0	7.7	16.9

Upeneus parvus

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.3	0.3	0.6
Station Group 2	0.1	1.1	3.2	4.4
Station Group 3	1.3	1.1	5.5	7.9
	1.4	2.5	9.0	12.9
Night				
Station Group 1	0.0	2.7	0.3	3.0
Station Group 2	0.1	5.3	0.9	6.3
Station Group 3	1.4	1.3	4.3	7.0
	1.5	9.3	5.5	16.3

Urophycis cirratus

	Winter	Spring	Fall	
Day				
Station Group 1	0.0	0.0	0.0	0.0
Station Group 2	0.0	0.0	0.2	0.2
Station Group 3	0.0	0.0	0.6	0.6
	0.0	0.0	0.8	0.8
Night				
Station Group 1	0.1	0.0	0.0	0.1
Station Group 2	0.1	2.4	0.0	2.5
Station Group 3	0.1	2.5	2.0	4.6
	0.3	4.9	2.0	7.2

TABLE 4

CATCHES OF MAJOR SPECIES
(EXPRESSED AS AVERAGE NUMBER OF INDIVIDUALS CAUGHT PER TRAWL)
OVER THE FOUR TRANSECTS FOR EACH SAMPLING PERIOD
(MINOR DISCREPANCIES IN MARGINAL TOTALS DUE TO ROUNDING ERROR)

Anchoa hepsetus

Day	Winter	Spring	Fall	
Transect I	0	6.3	0.2	6.5
Transect II	0	4.4	0.6	5.0
Transect III	1.3	0	4.3	5.6
Transect IV	0	0.1	0.1	0.2
	1.3	10.8	5.2	17.3

Night

Transect I	0	0	0.2	0.2
Transect II	0	0	0	0
Transect III	0	0	0.5	0.5
Transect IV	0	0	0.1	0.1
	0	0	0.8	0.8

Anchoa mitchilli

Day

Transect I	0	0.3	0	0.3
Transect II	0	0	0	0
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0	0.3	0	0.3

Night

Transect I	0	0	0	0
Transect II	0	0	0	0
Transect III	3.0	0	0	3.0
Transect IV	0	0	0	0
	3.0	0	0	3.0

TABLE 4 CONT.'D

Bollmannia communis

Day	Winter	Spring	Fall	
Transect I	0	0	0	0
Transect II	0	0	0.3	0.3
Transect III	0.2	0	0	0.2
Transect IV	0	0	0.4	0.4
	0.2	0	0.7	0.9
Night				
Transect I	0.2	1.1	0.2	1.5
Transect II	0.2	1.0	0.7	1.9
Transect III	0	0	0.3	0.3
Transect IV	0.3	0.1	0.3	0.7
	0.7	2.2	1.5	4.4

Brevoortia patronus

Day	Winter	Spring	Fall	
Transect I	0.5	30.1	0	30.6
Transect II	0	0	0	0
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0.5	30.1	0	30.6
Night				
Transect I	0	0	0	0
Transect II	0.1	0	0.1	0.2
Transect III	0	0	0	0
Transect IV	0.3	0	0	0.3
	0.4	0	0.1	0.5

TABLE 4 CONT.'D

Caulolatilus intermedius

Day	Winter	Spring	Fall	
Transect I	0	0.8	0.7	1.5
Transect II	0.1	0.1	0.8	1.0
Transect III	0	0	0.7	0.7
Transect IV	0.3	0.6	4.4	5.3
	0.4	1.5	6.6	8.5
Night				
Transect I	0.2	0.3	0.2	0.7
Transect II	0	0.4	0.4	0.8
Transect III	0	0	0.3	0.3
Transect IV	0.2	0.2	3.1	3.5
	0.4	0.9	4.0	5.3

Centropristis philadelphica

Day	Winter	Spring	Fall	
Transect I	2.3	0	0.3	2.6
Transect II	0.2	0.2	1.6	2.0
Transect III	0.2	0	1.3	1.5
Transect IV	0.4	0.3	1.3	2.0
	3.1	0.5	4.5	8.1
Night				
Transect I	0.8	4.3	3.0	8.1
Transect II	0.7	1.9	5.7	8.5
Transect III	0	0.8	3.1	3.9
Transect IV	0.1	0.8	3.0	3.9
	1.6	7.8	14.8	24.2

TABLE 4 CONT.'D

Chaetodipterus faber

Day	Winter	Spring	Fall	
Transect I	0	0	0.5	0.5
Transect II	0	0	0.4	0.4
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0	0	0.9	0.9
Night				
Transect I	0	0	2.5	2.5
Transect II	0.1	0	1.4	1.5
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0.1	0	3.9	4.0

Chloroscombrus chrysurus

Day	Winter	Spring	Fall	
Transect I	0	48.0	0.3	48.3
Transect II	0	0	0.4	0.4
Transect III	0	2.2	1.1	3.3
Transect IV	0	43.1	1.3	44.4
	0	93.3	3.1	96.4
Night				
Transect I	0	1.5	0	1.5
Transect II	0	0	0	0
Transect III	0	0	0.2	0.2
Transect IV	0	0.6	0.2	0.8
	0	2.1	0.4	2.5

TABLE 4 CONT.'D

Citharichthys spilopterus

Day	Winter	Spring	Fall	
Transect I	0	0	2.3	2.3
Transect II	0	0	0.7	0.7
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0	0	3.0	3.0
Night				
Transect I	0	0	0.7	0.7
Transect II	0	0	0.7	0.7
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0	0	1.4	1.4

Cynoscion arenarius

Day	Winter	Spring	Fall	
Transect I	2.2	0	2.5	4.7
Transect II	0.2	0	4.1	4.3
Transect III	0	0	0	0
Transect IV	0.1	0.1	6.8	7.0
	2.5	0.1	13.4	16.0
Night				
Transect I	3.3	0.8	0.8	4.9
Transect II	0.2	3.4	1.9	5.5
Transect III	1.0	0	0.3	1.3
Transect IV	0	0	1.1	1.1
	4.5	4.2	4.1	12.8

TABLE 4 CONT.'D

Cynoscion nothus

Day	Winter	Spring	Fall	
Transect I	0	62.6	4.8	67.4
Transect II	0.1	4.8	9.1	14.0
Transect III	1.0	3.5	0.3	4.8
Transect IV	0.1	1.0	0	1.1
	1.2	71.9	14.2	87.3
Night				
Transect I	0.5	2.0	1.1	3.6
Transect II	0.3	5.6	7.7	13.6
Transect III	1.5	0.2	1.7	3.4
Transect IV	0.4	0.3	0.8	1.5
	2.7	8.1	11.3	21.1

Diplectrum bivittatum

Day	Winter	Spring	Fall	
Transect I	0.3	0	1.5	1.8
Transect II	0.2	1.1	4.2	5.5
Transect III	0	0.5	1.3	1.8
Transect IV	0.3	0.7	2.6	3.6
	0.8	2.3	9.6	12.7
Night				
Transect I	0.8	0	3.2	4.0
Transect II	0.6	0.5	8.6	9.7
Transect III	0.5	0.2	7.0	7.7
Transect IV	0	0	1.1	1.1
	1.9	0.7	19.9	22.5

TABLE 4 CONT.'D

Etrumeus teres

Day	Winter	Spring	Fall	
Transect I	0	13.8	0	13.8
Transect II	0	0	0	0
Transect III	0	0	0	0
Transect IV	0	7.6	2.7	10.3
	0	21.4	2.7	24.1
Night				
Transect I	0	0	0	0
Transect II	0	0	0	0
Transect III	0	0.2	0	0.2
Transect IV	0	0.1	0	0.1
	0	0.3	0	0.3

Halieutichthys aculeatus

Day	Winter	Spring	Fall	
Transect I	0.3	0.2	2.7	3.2
Transect II	0	0	0.2	0.2
Transect III	0	0	0	0
Transect IV	0	0	0.6	0.6
	0.3	0.2	3.5	4.0
Night				
Transect I	0.7	0	1.7	2.4
Transect II	0.2	0.1	0.6	0.9
Transect III	0.5	0	0.2	0.7
Transect IV	0.1	0.3	4.0	4.4
	1.5	0.4	6.5	8.4

TABLE 4 CONT. 'D

Harengula pensacolae

Day	Winter	Spring	Fall	
Transect I	0	7.3	0.8	8.1
Transect II	0	3.2	13.0	16.2
Transect III	0	0	0.7	0.7
Transect IV	0	1.0	16.8	17.8
	0	11.5	31.3	42.8
Night				
Transect I	0	0	0	0
Transect II	0	0.1	0.1	0.2
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0	0.1	0.1	0.2

Hoplunnis tenuis

Day	Winter	Spring	Fall	
Transect I	0	0.2	0	0.2
Transect II	0	0	0	0
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0	0.2	0	0.2
Night				
Transect I	0	0.3	0	0.3
Transect II	0	0.8	0	0.8
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0	1.1	0	1.1

TABLE 4 CONT.'D

Kathetostoma albigutta

Day	Winter	Spring	Fall	
Transect I	0	0	0	0
Transect II	0.3	0	0	0.3
Transect III	0	0	0	0
Transect IV	0	0	0.1	0.1
	0.3	0	0.1	0.4
Night				
Transect I	0.5	0.2	0	0.7
Transect II	0.8	0.2	0.3	1.3
Transect III	0	0.2	0.2	0.4
Transect IV	0	0	0	0
	1.3	0.6	0.5	2.4

Lutjanus campechanus

Day	Winter	Spring	Fall	
Transect I	0	0.2	1.2	1.4
Transect II	0	0.1	2.8	2.9
Transect III	0	1.8	0.5	2.3
Transect IV	0	0.6	11.0	11.6
	0	2.7	15.5	18.2
Night				
Transect I	0	0	0.5	0.5
Transect II	0.3	0.1	1.3	1.7
Transect III	0	1.2	15.0	16.2
Transect IV	0.1	1.1	6.7	7.9
	0.4	2.4	23.5	26.3

TABLE 4 CONT.'D

Micropogon undulatus

Day	Winter	Spring	Fall	
Transect I	1.7	124.6	85.5	211.8
Transect II	0	0	38.2	38.2
Transect III	0	0	0.3	0.3
Transect IV	0	0.3	1.6	1.9
	1.7	124.9	125.6	252.2
Night				
Transect I	0.7	6.3	9.0	16.0
Transect II	0.2	1.6	37.7	39.5
Transect III	0.5	0	0.5	1.0
Transect IV	0.1	4.3	15.0	19.4
	1.5	12.2	62.2	75.9

Orthopristis chrysoptera

Day	Winter	Spring	Fall	
Transect I	0.2	0	0	0.2
Transect II	0	0	0	0
Transect III	0	0	0	0
Transect IV	0	0	0.1	0.1
	0.2	0	0.1	0.3
Night				
Transect I	0	0	0	0
Transect II	0	0	0	0
Transect III	0	0	7.8	7.8
Transect IV	0	0	2.8	2.8
	0	0	10.6	10.6

TABLE 4 CONT.'D

Peprilus burti

Day	Winter	Spring	Fall	
Transect I	0.5	158.8	8.0	167.3
Transect II	0.4	223.0	7.8	231.2
Transect III	0.8	71.0	1.8	73.6
Transect IV	0.9	154.3	2.3	157.5
	2.6	607.1	19.9	629.6
Night				
Transect I	0	1.1	0.3	1.4
Transect II	1.6	2.7	0.6	4.9
Transect III	0.5	0.7	0.5	1.7
Transect IV	1.1	0	0.9	2.0
	3.2	4.5	2.3	10.0

Polydactylus octonemus

Day	Winter	Spring	Fall	
Transect I	0	7.5	5.8	13.3
Transect II	0	0	7.3	7.3
Transect III	0	0	0	0
Transect IV	0	0.1	2.8	2.9
	0	7.6	15.9	23.5
Night				
Transect I	0	23.5	3.3	26.8
Transect II	0	3.6	3.0	6.6
Transect III	0	0.7	6.6	7.3
Transect IV	0	0.3	4.6	4.9
	0	28.1	17.5	45.6

TABLE 4 CONT. 'D

Pontinus longispinis

Day	Winter	Spring	Fall	
Transect I	0.5	0.2	3.2	3.9
Transect II	0	0.3	0.6	0.9
Transect III	0	0	0.5	0.5
Transect IV	0	0	1.0	1.0
	0.5	0.5	5.3	6.3
Night				
Transect I	2.3	1.8	4.5	8.6
Transect II	0.1	2.0	0.6	2.7
Transect III	0	1.2	0.7	1.9
Transect IV	0	0.1	0	0.1
	2.4	5.1	5.8	13.3

Porichthys porosissimus

Day	Winter	Spring	Fall	
Transect I	0	0	2.0	2.0
Transect II	0	0	0.8	0.8
Transect III	0	0	0	0
Transect IV	0	0	0.1	0.1
	0	0	2.9	2.9
Night				
Transect I	0.7	1.8	1.5	4.0
Transect II	0.9	1.2	1.4	3.5
Transect III	0	1.0	1.3	2.3
Transect IV	0.7	0.6	0.3	1.6
	2.3	4.6	4.5	11.4

TABLE 4 CONT.'D

Prionotus paralatus

Day	Winter	Spring	Fall	
Transect I	0.5	0.5	12.0	13.0
Transect II	0.6	0.9	3.0	4.5
Transect III	0	0.2	5.0	5.2
Transect IV	0	0.1	2.9	3.0
	1.1	1.7	22.9	25.7
Night				
Transect I	1.8	0	1.3	3.1
Transect II	1.2	0	1.0	2.2
Transect III	0	0	0	0
Transect IV	0	0	0.6	0.6
	3.0	0	2.9	5.9

Prionotus rubio

Day	Winter	Spring	Fall	
Transect I	1.0	0	1.3	2.3
Transect II	0.3	0	1.0	1.3
Transect III	0	0	0	0
Transect IV	0	0	0.6	0.6
	1.3	0	1.9	4.2
Night				
Transect I	0.8	1.8	1.0	3.6
Transect II	0.7	0.4	2.8	3.9
Transect III	0	0.8	0	0.8
Transect IV	0.3	1.3	0.7	2.3
	1.8	4.3	4.5	10.6

TABLE 4 CONT.'D

Prionotus stearnsi

Day	Winter	Spring	Fall	
Transect I	0	0.2	1.7	1.9
Transect II	1.1	0.5	2.0	3.6
Transect III	7.8	1.0	0	8.8
Transect IV	1.4	0.3	0.9	2.6
	10.3	2.0	4.6	16.9
Night				
Transect I	0	8.7	0.2	8.9
Transect II	0	1.6	2.2	3.8
Transect III	1.0	0.3	7.3	8.6
Transect IV	0.1	1.0	3.9	5.0
	1.1	11.6	13.6	26.3

Pristipomoides aquilonaris

Day	Winter	Spring	Fall	
Transect I	4.2	8.2	5.8	18.2
Transect II	4.3	7.6	6.3	18.2
Transect III	0.8	3.8	5.5	10.1
Transect IV	8.1	7.7	5.7	21.5
	17.4	27.3	23.3	68.0
Night				
Transect I	4.3	5.3	3.8	13.4
Transect II	2.8	6.6	4.6	14.0
Transect III	0	4.2	8.0	12.2
Transect IV	0.7	11.3	4.7	16.7
	7.8	27.4	21.1	56.3

TABLE 4 CONT.'D

Saurida brasiliensis

Day	Winter	Spring	Fall	
Transect I	0.2	0.2	0.8	1.2
Transect II	0.4	0.7	0.8	1.9
Transect III	5.0	2.7	0.2	7.9
Transect IV	1.0	0	0	1.0
	6.6	3.6	1.8	12.0
Night				
Transect I	0	1.7	0.2	1.9
Transect II	0	1.7	1.6	3.3
Transect III	1.3	0	1.7	3.0
Transect IV	0.1	0.3	0.4	0.8
	1.4	3.7	3.9	9.0

Scomber japonicus

Day	Winter	Spring	Fall	
Transect I	0	3.0	0	3.0
Transect II	0	0.3	0	0.3
Transect III	0	0.2	0	0.2
Transect IV	0	4.3	0	4.3
	0	7.8	0	7.8
Night				
Transect I	0	0	0	0
Transect II	0	0	0	0
Transect III	0	0	0	0
Transect IV	0	0.1	0	0.1
	0	0.1	0	0.1

TABLE 4 CONT.'D

Selar crumenophthalmus

Day	Winter	Spring	Fall	
Transect I	0	0	0	0
Transect II	0.2	0	0	0.2
Transect III	0	0	0	0
Transect IV	2.1	0	0	2.1
	2.3	0	0	2.3
Night				
Transect I	0	0	0	0
Transect II	0	0	0	0
Transect III	0	0	0	0
Transect IV	0	0	0	0
	0	0	0	0

Serranus atrobranchus

Day	Winter	Spring	Fall	
Transect I	2.5	3.2	8.8	14.5
Transect II	2.7	5.3	6.5	14.5
Transect III	5.8	1.7	11.5	19.0
Transect IV	2.1	3.1	19.4	24.6
	13.1	13.3	46.2	72.6
Night				
Transect I	5.5	18.3	22.3	46.1
Transect II	6.9	10.5	17.5	34.9
Transect III	0	6.0	42.7	48.7
Transect IV	1.7	10.7	24.9	37.3
	14.1	45.5	107.4	167.0

TABLE 4. CONT.'D

Spherooides parvus

Day	Winter	Spring	Fall	
Transect I	0.3	0	0.7	1.0
Transect II	1.0	0	0.5	1.5
Transect III	1.5	0	0	1.5
Transect IV	3.6	0.1	0.1	3.8
	6.4	0.1	1.3	7.8
Night				
Transect I	0.8	0	2.8	3.6
Transect II	1.2	0.1	0.8	2.1
Transect III	0.3	2.3	3.0	5.6
Transect IV	1.3	1.3	2.0	4.6
	3.6	3.7	8.6	15.9

Stenotomus caprinus

Day	Winter	Spring	Fall	
Transect I	3.3	4.0	7.2	14.5
Transect II	2.0	2.2	6.3	10.5
Transect III	0.3	2.3	2.3	4.9
Transect IV	1.4	4.4	3.3	9.1
	8.0	13.9	19.1	39.0
Night				
Transect I	5.2	7.0	16.0	28.2
Transect II	5.1	15.1	8.9	29.1
Transect III	0.3	2.8	5.0	8.1
Transect IV	2.4	4.9	12.1	19.4
	13.0	29.8	42.0	84.8

TABLE 4 CONT.'D

Syacium gunteri

Day	Winter	Spring	Fall	
Transect I	0.7	0.3	6.7	7.7
Transect II	0.7	0.4	6.6	7.7
Transect III	3.8	0.3	0	4.1
Transect IV	0.7	0.1	1.0	1.8
	5.9	1.1	14.3	21.3
Night				
Transect I	1.3	4.7	6.5	12.5
Transect II	1.9	5.3	11.1	17.3
Transect III	5.8	1.7	1.7	9.2
Transect IV	0.7	0.9	1.6	3.2
	9.7	12.6	20.9	43.2

Synodus foetens

Day	Winter	Spring	Fall	
Transect I	0.7	3.3	3.2	7.2
Transect II	0.7	3.6	3.1	7.4
Transect III	0	0.3	1.8	2.1
Transect IV	0.9	1.0	4.1	6.0
	2.3	8.2	12.2	22.7
Night				
Transect I	0.3	0.3	1.2	1.8
Transect II	0.3	1.3	0.8	2.4
Transect III	0.3	0.3	1.0	1.6
Transect IV	0	0.6	1.1	1.7
	0.9	2.5	4.1	7.5

TABLE 4. CONT.'D

Synodus poeyi

Day	Winter	Spring	Fall	
Transect I	0.2	0	0.5	0.7
Transect II	0.2	0	0.2	0.4
Transect III	1.0	0	0	1.0
Transect IV	0	0	0	0
	1.4	0	0.7	2.1
Night				
Transect I	0	2.5	0.3	2.8
Transect II	0.5	2.2	0.8	3.5
Transect III	0.5	0.7	3.0	4.2
Transect IV	0.1	0.3	0.3	0.7
	1.1	5.7	4.4	11.2

Trachurus lathami

Day	Winter	Spring	Fall	
Transect I	0.2	188.7	26.8	215.7
Transect II	1.2	117.0	6.0	124.2
Transect III	0.3	87.0	19.7	107.0
Transect IV	0.1	83.4	14.3	97.8
	1.8	476.1	66.8	544.7
Night				
Transect I	0	0.9	0.3	1.2
Transect II	0.2	2.8	0.3	3.3
Transect III	0	1.8	15.3	17.1
Transect IV	0.1	0.7	3.1	3.9
	0.3	6.2	19.0	25.5

TABLE 4 CONT.'D

Trichiurus lepturus

Day	Winter	Spring	Fall	
Transect I	0.2	4.3	0.8	5.3
Transect II	0	0.4	0.3	0.7
Transect III	0.5	0	0.3	0.8
Transect IV	0.1	0	2.3	2.4
	0.8	4.7	3.7	9.2
Night				
Transect I	0.8	0	0	0.8
Transect II	0.3	0.2	0.5	1.0
Transect III	1.5	0	0.2	1.7
Transect IV	2.3	0	0	2.3
	4.9	0.2	0.7	5.8

Trichopsetta ventralis

Day	Winter	Spring	Fall	
Transect I	0	0.2	1.0	1.2
Transect II	0.2	0	0.6	0.8
Transect III	0.2	0.2	0.8	1.2
Transect IV	0	0	1.6	1.6
	0.4	0.4	4.0	4.8
Night				
Transect I	2.2	0.7	2.3	5.2
Transect II	2.4	1.7	3.1	7.2
Transect III	0	1.7	3.7	5.4
Transect IV	0	0.7	1.1	1.8
	4.6	4.8	11.2	19.6

TABLE 4 CONT.'D

Upeneus parvus

Day	Winter	Spring	Fall	
Transect I	0	1.2	3.8	5.0
Transect II	0.8	1.3	1.3	3.4
Transect III	0	0.2	4.2	4.4
Transect IV	0.3	0.6	5.1	6.0
	1.1	3.3	14.4	18.8
Night				
Transect I	0.5	1.8	0.8	3.1
Transect II	0.4	6.1	0.7	7.2
Transect III	0	0.3	6.5	6.8
Transect IV	0.7	0	1.9	2.6
	1.6	8.2	9.9	19.7

Urophycis cirratus

Day	Winter	Spring	Fall	
Transect I	0	0	0.3	0.3
Transect II	0	0	0	0
Transect III	0	0	0.2	0.2
Transect IV	0	0	0.7	0.7
	0	0	1.2	1.2
Night				
Transect I	0	1.5	0.8	2.3
Transect II	0.1	2.0	0.4	2.5
Transect III	0.3	0.3	1.8	2.4
Transect IV	0	3.0	0	3.0
	0.4	6.8	3.0	10.2

TABLE 5

NUMBERS AND WEIGHTS OF BENTHIC FISHES COLLECTED
AT ALL STATIONS DURING ALL SAMPLING PERIODS, 1977

TRANSECT 1 STATION 1 D TRAWL 77 WINTER
02/13/77 TIME: 1250 SAMPLE CODE: BRN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYACIUM GUNTERI	1	12.6
MICROPOGON UNDULATUS	1	17.4
PEPRILUS BURTI	3	23.3
UMHRINA COHOIDES	2	43.9
PHIONOTUS RUBIO	2	68.6
CYNOSEIION ARENARIUS	6	108.3
ARIUS FELIS	1	158.3
MENTICIRRHUS AMERICANUS	1	292.3
TOTALS 8	17	724.7

TRANSECT 1 STATION 1 N TRAWL 77 WINTER
02/13/77 TIME: 2015 SAMPLE CODE: BRN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STELLIFER LANCEOLATUS	1	12.3
CYNOSEIION NOTHUS	3	12.7
SYACIUM GUNTERI	1	14.0
MICROPOGON UNDULATUS	1	14.0
ETROPIUS CROSSOTUS	2	36.0
PEPRILUS ALEPIDOTUS	1	46.5
MENTICIRRHUS AMERICANUS	1	59.9
TRICHTURUS LEPTURUS	5	69.0
CYNOSEIION ARENARIUS	6	227.8
TOTALS 9	21	492.2

TRANSECT 1 STATION 2 D TRAWL 77 WINTER
02/13/77 TIME: 955 SAMPLE CODE: BRGM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNOUDUS POEYI	1	2.8
SAURIDA BRASILIENSIS	1	4.4
SPHOEROTIDES PARVUS	1	8.0
PHIONOTUS RUBIO	1	30.4
DIPLECTRUM BIVITTATUM	2	40.1
SERRANUS ATROBRANCHUS	4	49.7
SYACIUM GUNTERI	3	94.2
CENTROPHISTIS PHILADELPHICA	2	213.9
SYNOUDUS FOETENS	2	312.9
TOTALS 9	17	756.4

TRANSECT 1 STATION 2 N TRAWL 77 WINTER
02/13/77 TIME: 2245 SAMPLE CODE: BRGP
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BULLMANNIA COMMUNIS	1	2.2
SCORPAENA DISPAH	1	3.9
PORICHTHYS POROSISSTIMUS	3	9.6
ENGYOPHYRYS SENTA	3	12.1
CENTROPHISTIS PHILADELPHICA	2	17.9
SERRANUS ATROBRANCHUS	2	18.2
LEPOPHIDIUM GRAELLSI	1	34.3
DIPLECTRUM BIVITTATUM	5	62.1
SYACIUM GUNTERI	6	103.3
SYNOUDUS FOETENS	2	194.9
TOTALS 10	26	458.5

TRANSECT 1 STATION 3 D TRAWL 77 WINTER
02/14/77 TIME: 1155 SAMPLE CODE: RBK
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SERRANUS ATROBRANCHUS	2	35.8
PHIONOTUS PARALATUS	1	45.5
PONTINUS LONGISPINIS	3	183.0
PRISTIPOMOIDES AQUILONARIS	20	1306.9
TOTALS 4	26	1571.2

TRANSECT 1 STATION 3 N TRAWL 77 WINTER
02/14/77 TIME: 310 SAMPLE CODE: RBK
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIENICHTHYS ACULEATUS	3	18.2
TRICHOPTSETIA VENTRALIS	6	79.3
PHIONOTUS RUBIO	1	82.0
KATHEPOSTOMA ALBIGUTTA	2	88.6
DECODON PUELLARIS	1	101.5
UPENEUS PARVUS	3	107.2
CYNOSEIION ARENARIUS	1	176.3
STENOTOMUS CAPRINUS	4	212.5
SERRANUS ATROBRANCHUS	12	221.8
PHIONOTUS PARALATUS	7	235.2
PONTINUS LONGISPINIS	14	649.4
PRISTIPOMOIDES AQUILONARIS	16	1807.9
TOTALS 12	70	3839.9

TRANSECT 1 STATION 4 D TRAWL 77 WINTER
02/13/77 TIME: 1525 SAMPLE CODE: BC1V
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	5.5
PEPRILUS HURTI	1	11.1
TRICHURUS LEPTURUS	1	13.0
UKTHOPRISTIS CHRYSOPTERA	1	19.9
STELLIFER LANCEOLATUS	2	20.5
DASYATIS AMERICANA	1	107.5
BREVORTIA PATRONUS	3	119.8
MICROPUGON UNDULATUS	9	197.1
CYNOSCION ARENARIUS	7	315.9
TOTALS 9	26	810.3

TRANSECT 1 STATION 4 N TRAWL 77 WINTER
02/13/77 TIME: 1930 SAMPLE CODE: BC1V
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SERRANICULUS PUMILIO	1	2.7
PEPRILUS ALEPIDOTUS	1	11.3
URUPHYCIS FLORIDANUS	1	15.4
STELLIFER LANCEOLATUS	2	18.2
SPHOEROIDES PARVUS	5	44.2
ETROPUS CROSSOTUS	3	46.9
MICROPUGON UNDULATUS	3	125.3
MENTICIRRHUS AMERICANUS	3	198.1
CYNOSCION ARENARIUS	12	274.9
TOTALS 9	31	737.0

TRANSECT 1 STATION 5 D TRAWL 77 WINTER
02/14/77 TIME: 805 SAMPLE CODE: BC1E
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	2	11.0
SERRANUS ATROBRANCHUS	5	78.3
PRIACANTHUS ARENATUS	1	180.4
PRISTIPOMOIDES AQUILONARIS	2	193.6
PRIONOTUS RUBIO	3	195.6
CYCLOPSETTA CHITTENDENI	1	276.1
SYNODUS FOETENS	2	314.5
STENOTOMUS CAPRINUS	11	499.3
CENTROPRISTIS PHILADELPHICA	10	533.1
TOTALS 9	37	2281.9

TRANSECT 1 STATION 5 N TRAWL 77 WINTER
02/14/77 TIME: 105 SAMPLE CODE: BC1H
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ENGYOPHRYS SENTA	1	5.0
SCORPAENA CALCARTA	1	6.7
PORICHTHYS POROSISSIMUS	1	9.0
UGCOCEPHALUS SPECIES	1	9.2
PRIONOTUS PARALATUS	1	13.0
BELLATOR MILITARIS	2	16.0
GYMNACHIRUS TEXAE	2	39.3
KATHETOSTOMA ALBIGUTTA	1	58.4
TRICHOPSETTA VENTRALIS	4	99.0
PRIACANTHUS ARENATUS	3	101.8
PRISTIPOMOIDES AQUILONARIS	1	131.2
SERRANUS ATROBRANCHUS	11	185.3
PRIONOTUS RUBIO	4	187.3
CYNOSCION ARENARIUS	1	348.2
STENOTOMUS CAPRINUS	14	799.2
CENTROPRISTIS PHILADELPHICA	3	1049.0
TOTALS 16	51	3057.6

TRANSECT 1 STATION 6 D TRAWL 77 WINTER
02/14/77 TIME: 950 SAMPLE CODE: BC1O
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRACHURUS LATHAMI	1	22.1
SERRANUS ATROBRANCHUS	4	68.0
PRIONOTUS PARALATUS	2	83.9
PRISTIPOMOIDES AQUILONARIS	3	164.6
CENTROPRISTIS PHILADELPHICA	2	245.4
STENOTOMUS CAPRINUS	9	432.0
TOTALS 6	21	1066.0

TRANSECT 1 STATION 6 N TRAWL 77 WINTER
02/14/77 TIME: 2205 SAMPLE CODE: BC1T
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	7.5
SYACIUM GUNTERI	1	37.2
TRICHOPSETTA VENTRALIS	3	44.5
LEPOPHIDIUM GRAELLI	1	63.2
CAULOLATIUS INTERMEDIUS	1	73.5
PRIONOTUS PARALATUS	3	88.6
SERRANUS ATROBRANCHUS	8	131.2
STENOTOMUS CAPRINUS	13	586.3
PRISTIPOMOIDES AQUILONARIS	9	785.7
TOTALS 9	40	1817.7

TRANSECT 2 STATION 1 D TRAWL 77 WINTER
 02/09/77 TIME: 1540 SAMPLE CODE: HCNM
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSEIION ANENARIUS	2	9.8
PEPHILUS BUNTI	2	10.6
STELLIFER LANCEFOLATUS	1	16.9
SYACIUM GUNTERI	7	72.7
TOTALS 4	12	110.0

TRANSECT 2 STATION 1 N TRAWL 77 WINTER
 02/09/77 TIME: 1905 SAMPLE CODE: RCNQ
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYACIUM GUNTERI	1	3.8
CYNOSEIION NOTHUS	1	8.0
CHAEIODIPIERUS FABER	1	9.8
TRICHIURUS LEPTURUS	1	21.2
LEIOSTOMUS XANTHURUS	1	57.8
TOTALS 5	5	99.8

TRANSECT 2 STATION 1 N TRAWL 77 WINTER
 02/09/77 TIME: 1925 SAMPLE CODE: RCNT
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PEPHILUS BUNTI	1	4.0
TRICHIURUS LEPTURUS	1	5.1
SYACIUM GUNTERI	2	18.6
CYNOSEIION NOTHUS	5	22.2
MICROPOGON UNDULATUS	2	87.1
UROPHYCIS FLORIDANUS	1	222.4
TOTALS 6	12	359.4

TRANSECT 2 STATION 1 N TRAWL 77 WINTER
 02/09/77 TIME: 1950 SAMPLE CODE: HCNW
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSEIION ANENARIUS	2	4.3
TRICHIURUS LEPTURUS	2	11.1
UROPHYCIS FLORIDANUS	1	16.0
SYACIUM GUNTERI	1	18.5
LEIOSTOMUS XANTHURUS	1	24.3
TOTALS 5	7	74.2

TRANSECT 2 STATION 2 D TRAWL 77 WINTER
 02/10/77 TIME: 1005 SAMPLE CODE: HCPK
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	6.1
PRIONOTUS STEARNSI	1	8.8
SERRANUS ATROBRANCHUS	2	20.1
CENTROPRISTIS PHILADELPHICA	1	21.7
DIPLECTRUM BIVITTATUM	1	22.2
TRACHURUS LATHAMI	1	51.4
TOTALS 6	7	130.3

TRANSECT 2 STATION 2 D TRAWL 77 WINTER
 02/10/77 TIME: 1030 SAMPLE CODE: HCPN
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANTENNARIUS RADIOSUS	1	2.0
DIPLECTRUM BIVITTATUM	1	15.1
SPHOEROIDES PARVUS	3	16.8
SERRANUS ATROBRANCHUS	3	30.6
PEPHILUS BUNTI	1	52.8
SYNODUS FOETENS	1	61.3
TRACHURUS LATHAMI	11	330.9
TOTALS 7	21	515.5

TRANSECT 2 STATION 2 N TRAWL 77 WINTER
 02/10/77 TIME: 2325 SAMPLE CODE: HCPH
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HOLLMANNIA COMMUNIS	1	1.0
ANTENNARIUS RADIOSUS	2	1.8
POMICHTHYS POMOSISSIMUS	1	6.3
SERRANUS ATROBRANCHUS	1	6.7
EPINEPHELUS NIGRITUS	1	7.6
DIPLECTRUM BIVITTATUM	1	19.5
SYNODUS FOETENS	1	42.3
SYACIUM GUNTERI	5	81.9
TOTALS 8	13	167.1

TRANSECT 2 STATION 2 N TRAWL 77 WINTER
02/10/77 TIME: 2350 SAMPLE CODE: BCPU
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	4.5
CENTROPRISTIS PHILADELPHICA	1	16.1
SERRANUS ATROBRANCHIUS	2	23.5
LUTJANUS CAMPECHANUS	2	38.8
DIPLECTRUM BIVITTATUM	3	59.3
PEPRILUS BURTI	2	99.2
TOTALS 6	11	241.4

TRANSECT 2 STATION 2 N TRAWL 77 WINTER
02/10/77 TIME: 0 SAMPLE CODE: RCPX
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PORICHTHYS POROSISSIMUS	1	2.1
DIPLECTRUM BIVITTATUM	2	25.2
SYACIUM GUNTERI	2	25.8
SERRANUS ATROBRANCHIUS	4	32.5
PEPRILUS BURTI	1	50.9
CENTROPRISTIS PHILADELPHICA	1	170.1
TOTALS 6	11	306.6

TRANSECT 2 STATION 3 D TRAWL 77 WINTER
02/10/77 TIME: 1705 SAMPLE CODE: BCRL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	10.0
SERRANUS ATROBRANCHIUS	2	41.2
STENOTOMUS CAPRINUS	2	139.0
PRISTIPOMOIDES AQUILONARIS	8	1010.5
TOTALS 4	13	1240.7

TRANSECT 2 STATION 3 D TRAWL 77 WINTER
02/10/77 TIME: 1750 SAMPLE CODE: BCRO
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	7	81.6
PRIONOTUS PARALATUS	4	132.0
SYNOBUS FOETENS	1	144.0
STENOTOMUS CAPRINUS	3	175.3
SERRANUS ATROBRANCHIUS	8	102.3
UPENEUS PARVUS	9	241.0
PRISTIPOMOIDES AQUILONARIS	23	2750.7
TOTALS 7	55	3706.9

TRANSECT 2 STATION 3 N TRAWL 77 WINTER
02/10/77 TIME: 2040 SAMPLE CODE: HCRS
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS RUBIO	2	27.2
UPENEUS PARVUS	1	28.3
SYACIUM GUNTERI	3	50.6
SERRANUS ATROBRANCHIUS	4	77.2
STENOTOMUS CAPRINUS	10	485.7
PRISTIPOMOIDES AQUILONARIS	9	768.5
TOTALS 6	29	1445.5

TRANSECT 2 STATION 3 N TRAWL 77 WINTER
02/10/77 TIME: 2125 SAMPLE CODE: HCRV
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STENOTOMUS CAPRINUS	1	60.9
PRIONOTUS PARALATUS	3	68.8
SERRANUS ATROBRANCHIUS	6	90.8
PRISTIPOMOIDES AQUILONARIS	13	857.8
TOTALS 4	23	1086.3

TRANSECT 2 STATION 3 N TRAWL 77 WINTER
02/10/77 TIME: 2210 SAMPLE CODE: HCRY
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRACHURUS LATHAMI	1	40.0
PUNTIUS LONGISPINIS	2	42.7
PRIONOTUS PARALATUS	2	52.5
STENOTOMUS CAPRINUS	3	167.4
PRISTIPOMOIDES AQUILONARIS	4	438.5
TOTALS 5	12	741.1

TRANSECT 2 STATION 4 D TRAWL 77 WINTER
02/09/77 TIME: 1250 SAMPLE CODE: RCTF
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PEPRILUS BURTI	2	38.0
RHINOPTERA HONASUS	1	664.6
TOTALS 2	3	702.6

TRANSECT 2 STATION 4 D TRAWL 77 WINTER
02/09/77 TIME: 1315 SAMPLE CODE: BCTI
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	3.0
SAURIDA BRASILIENSIS	1	3.0
TRACHURUS LATHAMI	1	4.0
CYCLOPSETTA CHITTENDENI	1	11.2
SPHOEROIDES PARVUS	8	33.5
SYNODUS FOETENS	2	119.2
TOTALS 6	14	173.9

TRANSECT 2 STATION 4 N TRAWL 77 WINTER
02/09/77 TIME: 2110 SAMPLE CODE: BCTM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
DIPLECTRUM BIVITTATUM	1	7.0
SYACIUM GUNTERI	2	16.4
SPHOEROIDES PARVUS	5	21.1
TOTALS 3	8	44.5

TRANSECT 2 STATION 4 N TRAWL 77 WINTER
02/09/77 TIME: 2155 SAMPLE CODE: BCTP
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UROPHYCIS CIRRATUS	1	2.0
BULLMANNIA COMMUNIS	2	4.0
SYNODUS POEYI	4	23.2
DIPLECTRUM BIVITTATUM	4	50.1
SYNODUS FOETENS	2	54.3
SPHOEROIDES PARVUS	12	60.0
SYACIUM GUNTERI	6	63.9
CENTROPRISTIS PHILADELPHICA	3	62.6
HREVOURTIA PATRONUS	1	117.1
TOTALS 9	35	457.2

TRANSECT 2 STATION 4 N TRAWL 77 WINTER
02/09/77 TIME: 2215 SAMPLE CODE: BCTS
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HREGHACEROS ATLANTICUS	1	1.0
TRICHIURUS LEPTURUS	1	1.5
ANTENNARIUS RADIOSUS	1	1.8
ENGYOPHRYS SENTA	1	2.2
SYNODUS POEYI	2	8.7
SPHOEROIDES PARVUS	4	18.7
TOTALS 6	10	33.9

TRANSECT 2 STATION 5 D TRAWL 77 WINTER
02/10/77 TIME: 1315 SAMPLE CODE: HCUX
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SAURIDA BRASILIENSIS	1	2.4
SYACIUM GUNTERI	1	7.4
TRACHURUS LATHAMI	1	28.9
PRIONOTUS STEARNSI	3	31.8
STENOTOMUS CAPRINUS	2	49.0
SERRANUS ATROBRANCHUS	3	53.6
CYNOSCION NOTHUS	1	67.9
PRIACANTHUS ARENATUS	1	211.9
TOTALS 8	13	452.9

TRANSECT 2 STATION 5 D TRAWL 77 WINTER
02/10/77 TIME: 1340 SAMPLE CODE: BCVA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	3.8
SERRANUS ATROBRANCHUS	1	10.1
PRISTIPOMOIDES AQUILONARIS	1	41.3
SELAR CRUMENOPHTHALMUS	2	48.0
SYNODUS FOETENS	1	187.6
STENOTOMUS CAPRINUS	3	198.4
TOTALS 6	9	489.2

TRANSECT 2 STATION 5 N TRAWL 77 WINTER
02/14/77 TIME: 2220 SAMPLE CODE: HCVE
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	5.2
UPENEUS PARVUS	1	13.0
PORICHTHYS POROSISSIMUS	3	22.7
HOPLUNNIS MACRURUS	1	24.3
TRICHOPSETTA VENTRALIS	3	56.0
SERRANUS ATROBRANCHUS	9	74.2
KATHETOSTOMA ALBIGUTTA	3	119.0
CENTROPRISTIS PHILADELPHICA	2	124.2
PRISTIPOMOIDES AQUILONARIS	2	137.0
SYNODUS FOETENS	2	140.4
PEPRILUS BURTI	3	245.5
STENOTOMUS CAPRINUS	9	373.7
TOTALS 12	39	1335.2

TRANSECT 2 STATION 5 N TRAWL 77 WINTER
02/14/77 TIME: 2250 SAMPLE CODE: HCVH
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PURICHTHYS POROSISSIMUS	1	7.0
HOPLUNNIS MACRURUS	1	8.5
SYNODUS POEYI	2	8.9
LUNCHOPISTHUS LINDNERI	1	11.1
PRIONOTUS RUBIO	1	11.2
UGCOCEPHALUS SPECIES	1	24.3
PRIONOTUS RUSEUS	1	33.5
ANCYLOPSETTA DILECTA	1	44.3
TRACHURUS LATHAMI	1	52.2
ANTENNARIUS RADIOSUS	1	74.8
TRICHOPSETTA VENTRALIS	4	88.5
SERRANUS ATROBRANCHUS	8	108.5
KATHETOSTOMA ALBIGUTTA	7	160.2
STENOTOMUS CAPRINUS	9	464.7
TOTALS 14	39	1097.7

TRANSECT 2 STATION 5 N TRAWL 77 WINTER
02/14/77 TIME: 2320 SAMPLE CODE: BCVM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UGCOCEPHALUS SPECIES	1	12.5
PRIONOTUS PARALATUS	1	13.7
TRICHOPSETTA VENTRALIS	3	31.0
PURICHTHYS POROSISSIMUS	5	40.5
SELENE VOMER	1	45.0
PRIONOTUS RUBIO	1	58.2
SERRANUS ATROBRANCHUS	9	75.5
ANCYLOPSETTA DILECTA	2	84.4
CENTROPRISTIS PHILADELPHICA	2	125.7
KATHETOSTOMA ALBIGUTTA	2	140.2
CYNOSCION ARENARIUS	2	339.0
STENOTOMUS CAPRINUS	10	448.7
TOTALS 12	39	1414.4

TRANSECT 2 STATION 6 D TRAWL 77 WINTER
02/10/77 TIME: 1450 SAMPLE CODE: BCWP
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SAURIDA BRASILIENSIS	1	7.0
PRIONOTUS STEARNSI	1	10.0
TRICHOPSETTA VENTRALIS	1	18.8
KATHETOSTOMA ALBIGUTTA	1	54.2
CENTROPRISTIS PHILADELPHICA	1	81.4
PRIONOTUS RUBIO	4	92.7
SERRANUS ATROBRANCHUS	8	143.3
SYNODUS FOETENS	1	186.5
STENOTOMUS CAPRINUS	11	783.0
PRISTIPOMOIDES AQUILONARIS	14	1120.2
TOTALS 13	43	2417.9

TRANSECT 2 STATION 6 D TRAWL 77 WINTER
02/10/77 TIME: 1550 SAMPLE CODE: HCWS
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SAURIDA BRASILIENSIS	2	7.0
TRICHOPSETTA VENTRALIS	1	33.1
STENOTOMUS CAPRINUS	3	54.7
LAGOCEPHALUS LAEVIGATUS	1	68.1
SERRANUS ATROBRANCHUS	5	90.0
PRIONOTUS PARALATUS	3	104.1
CAULOLATILUS INTERMEDIUS	1	106.0
KATHETOSTOMA ALBIGUTTA	3	146.3
CYCLOPSETTA CHITTENDENI	1	152.5
PRIACANTHUS ARENATUS	2	367.3
SYNODUS FOETENS	2	423.7
PRISTIPOMOIDES AQUILONARIS	0	785.8
TOTALS 12	30	2338.6

TRANSECT 2 STATION 6 N TRAWL 77 WINTER
02/14/77 TIME: 2015 SAMPLE CODE: BCWM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES SPENGLERI	1	.4
UROPHYCIS CIRRATUS	1	3.3
PURICHTHYS POROSISSIMUS	1	7.0
GYMNACHIRUS TEXAE	1	12.2
HROTULA BARBATA	1	44.5
PRIONOTUS RUSEUS	1	55.2
KATHETOSTOMA ALBIGUTTA	2	56.0
MICROPOGON UNDULATUS	1	82.0
UPENEUS PARVUS	2	86.0
EQUETUS ACUMINATUS	2	129.9
PRIONOTUS RUBIO	8	208.8
CENTROPRISTIS PHILADELPHICA	2	213.6
SYACIUM GUNTERI	13	226.4
PEPRILUS HURTI	6	519.1
STENOTOMUS CAPRINUS	11	544.8
SERRANUS ATROBRANCHUS	34	555.8
PRISTIPOMOIDES AQUILONARIS	7	676.7
TOTALS 17	94	3421.7

TRANSECT 2 STATION 6 N TRAWL 77 WINTER
 02/14/77 TIME: 2045 SAMPLE CODE: BCWZ
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
GYMNACHIRUS TEXAE	1	10.0
PIKEA MEXICANA	1	12.0
DECODON PUELLANIS	1	12.0
HALIEUTICHTHYS ACULEATUS	2	15.0
PORICHTHYS POROSISSIMUS	3	37.0
UPENEUS PARVUS	1	43.8
EQUETUS ACUMINATUS	1	47.9
PRIONOTUS RURIQ	1	60.1
UROCONGER SYRINGUS	1	86.0
CENTROPRISTIS PHILADELPHICA	1	115.6
OGCOCEPHALUS SPECIES	2	127.6
LUTJANUS CAMPECHANUS	1	169.0
PRIONOTUS PARALATUS	8	279.5
TRICHOPSETTA VENTRALIS	15	302.6
SERRANUS ATROBRANCHUS	30	471.1
PRISTIPOMOIDES AQUILONARIS	9	895.6
STENOTOMUS CAPRINUS	10	1116.9
TOTALS 17	96	3002.5

TRANSECT 2 STATION 6 N TRAWL 77 WINTER
 02/14/77 TIME: 2115 SAMPLE CODE: BCXC
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PHYSICULUS FULVUS	1	7.8
HALIEUTICHTHYS ACULEATUS	1	8.0
PIKEA MEXICANA	1	15.7
ANCYLOPSETTA DILECTA	1	16.3
OGCOCEPHALUS SPECIES	2	27.1
PORICHTHYS POROSISSIMUS	2	44.4
SCORPAENA DISPAR	1	56.7
TRACHURUS LATHAMI	1	92.2
CYCLOPSETTA CHITTENDENI	1	133.4
UPENEUS PARVUS	3	157.2
PRIONOTUS PARALATUS	8	172.6
LUTJANUS CAMPECHANUS	2	199.5
SERRANUS ATROBRANCHUS	17	252.3
TRICHOPSETTA VENTRALIS	19	353.6
PRISTIPOMOIDES AQUILONARIS	7	502.7
STENOTOMUS CAPRINUS	20	1174.8
TOTALS 16	87	3294.3

TRANSECT 3 STATION 1 D TRAWL 77 WINTER
 02/02/77 TIME: 915 SAMPLE CODE: HBKS
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCIQD NOTHUS	1	6.8
CENTROPRISTIS PHILADELPHICA	1	13.6
PEPRILUS ALEPIDOTUS	1	26.5
SYACIUM GUNTERI	10	72.7
TOTALS 4	13	119.6

TRANSECT 3 STATION 1 N TRAWL 77 WINTER
 02/02/77 TIME: 2325 SAMPLE CODE: HBKV
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UNOPHYCIS CIRRATUS	1	3.5
HALIEUTICHTHYS ACULEATUS	2	5.0
SAURIDA BRASILIENSIS	1	5.0
SPHEROIDES PARVUS	1	5.2
TRICHIURUS LEPTURUS	2	9.2
CYNOSCIQD ARENARIUS	3	13.1
OGCOCEPHALUS SPECIES	1	16.1
ARIUS FELIS	2	93.7
SYACIUM GUNTERI	13	94.4
DASYATIS SAYI	1	3320.0
TOTALS 10	27	3565.2

TRANSECT 3 STATION 2 D TRAWL 77 WINTER
 02/02/77 TIME: 1405 SAMPLE CODE: HBWM
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRICHOPSETTA VENTRALIS	1	8.5
PRISTIPOMOIDES AQUILONARIS	3	14.3
SYNDUS PUEYI	3	16.6
STENOTOMUS CAPRINUS	1	17.5
TRACHURUS LATHAMI	1	44.2
SAURIDA BRASILIENSIS	15	56.8
CYCLOPSETTA CHITTENDENI	1	138.5
PRIONOTUS STEARNSI	29	196.3
SERRANUS ATROBRANCHUS	23	266.7
TOTALS 9	77	759.4

TRANSECT 3 STATION 2 N TRAWL 77 WINTER
02/02/77 TIME: 1925 SAMPLE CODE: BHMZ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
OGCOCEPHALUS SPECIES	1	7.0
PRIONOTUS STEARNSI	4	30.9
STENOIOMUS CAPRINUS	1	79.6
CYCLOPSETTA CHITTENDENI	1	90.8
SYNODUS FOETENS	1	267.2
TOTALS 5	8	491.5

TRANSECT 3 STATION 3 D TRAWL 77 MARCH
03/04/77 TIME: 1645 SAMPLE CODE: BB00
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	11.0
SYACIUM GUNTERI	1	10.0
UPENEUS PARVUS	1	10.0
EQUETUS ACUMINATUS	1	54.0
SERRANUS ATROBRANCHUS	4	83.8
TRICHOPSETTA VENTRALIS	3	80.6
HEMANTHIAS VIVANUS	3	131.5
CAULOLATILUS INTERMEDIUS	2	142.1
SYNODUS FOETENS	1	153.5
PRIONOTUS PARALATUS	6	195.9
PRISTIPOMOIDES AQUILONARIS	66	3297.0
TOTALS 11	89	4195.0

TRANSECT 3 STATION 3 N TRAWL 77 MARCH
03/04/77 TIME: 2025 SAMPLE CODE: BB03
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
KATHETOSTOMA ALBIGUTTA	1	25.8
UPENEUS PARVUS	1	44.0
OGCOCEPHALUS SPECIES	3	52.6
TRACHURUS LATHAMI	1	57.1
TRICHOPSETTA VENTRALIS	10	214.0
CENTROPRISTIS PHILADELPHICA	2	239.0
SYNODUS FOETENS	1	300.0
PRIONOTUS PARALATUS	16	497.9
SERRANUS ATROBRANCHUS	29	600.2
PRISTIPOMOIDES AQUILONARIS	11	940.5
TOTALS 10	75	2995.9

TRANSECT 3 STATION 4 D TRAWL 77 WINTER
02/01/77 TIME: 1645 SAMPLE CODE: BHPZ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PEPRILUS ALEPTIDOTUS	1	4.5
PEPRILUS BUNTI	2	4.8
CYNOSCIOM NOTHUS	3	6.2
ANCHOA HEPSEIUS	5	7.7
TRICHIURUS LEPTURUS	2	9.6
SYACIUM GUNTERI	2	25.0
SYMPHURUS PLAGIOSA	1	31.2
MENTICIRRHUS AMERICANUS	4	200.2
TOTALS 8	20	290.0

TRANSECT 3 STATION 4 N TRAWL 77 WINTER
02/01/77 TIME: 1900 SAMPLE CODE: BB00
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PEPRILUS BUNTI	1	5.0
STELLIFER LANCEOLATUS	1	5.5
TRICHIURUS LEPTURUS	1	6.5
CYNOSCIOM NOTHUS	6	11.2
ANCHOA MITCHILLI	12	17.7
LARIMUS FASCIATUS	4	21.2
MICROPOGON UNDULATUS	2	20.3
MENTICIRRHUS AMERICANUS	1	50.1
SYACIUM GUNTERI	7	81.7
TOTALS 9	35	215.2

TRANSECT 3 STATION 5 D TRAWL 77 WINTER
02/02/77 TIME: 1100 SAMPLE CODE: BRRI
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BULLMANNIA COMMUNIS	1	2.3
SYNODUS POEYI	1	3.2
ENGYOPHRYS SENTA	1	4.6
PEPRILUS BUNTI	1	13.3
PRIONOTUS STEARNSI	2	16.2
SAURIDA BRASILIENSIS	5	23.6
SPHOEROIDES PARVUS	6	23.9
SYACIUM GUNTERI	3	53.2
TOTALS 8	20	140.3

TRANSECT 3 STATION 5 N TRAWL 77 WINTER
02/01/77 TIME: 2130 SAMPLE CODE: HHRM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ENGYOPHRYX SENTA	1	2.5
ANTENNARIUS RADIOSUS	2	2.5
CYCLOPSETTA CHITTENDENTI	1	4.0
SYNODUS POEYI	2	7.7
TRICHIURUS LEPTURUS	3	10.6
PEPRILUS HURTI	1	11.4
DIPLECTRUM BIVITTATUM	2	16.7
SYACIUM GUNTERI	3	22.3
SAURIDA BRASILIENSIS	4	23.2
CYNOSCION AMENARTUS	1	65.3
TOTALS 10	20	166.2

TRANSECT 3 STATION 6 D TRAWL 77 MARCH
03/04/77 TIME: 1730 SAMPLE CODE: HBSR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SAURIDA BRASILIENSIS	2	12.0
SERRANUS ATRORHANCHUS	7	133.1
TRICHUPSETTA VENTRALIS	7	149.6
PRIONOTUS STEARNSI	19	193.8
PRIONOTUS PARALATUS	7	197.9
PONTINUS LONGISPINIS	6	350.1
SYNODUS FOETENS	3	785.8
PRISTIPOMOIDES AQUILONARIS	8	810.8
TOTALS 8	59	2633.1

TRANSECT 3 STATION 6 N TRAWL 77 MARCH
03/04/77 TIME: 1930 SAMPLE CODE: HBSV
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CONGRINA FLAVA	1	68.7
PONTINUS LONGISPINIS	3	123.7
TRICHUPSETTA VENTRALIS	8	222.8
PRIONOTUS PARALATUS	7	252.7
PRISTIPOMOIDES AQUILONARIS	13	1184.3
TOTALS 5	32	1852.2

TRANSECT 4 STATION 1 D TRAWL 77 WINTER
01/30/77 TIME: 1400 SAMPLE CODE: BBUM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PEPRILUS HURTI	2	7.9
MENTICIRRHUS AMERICANUS	1	92.1
TOTALS 2	3	100.0

TRANSECT 4 STATION 1 N TRAWL 77 WINTER
01/30/77 TIME: 2015 SAMPLE CODE: HBVA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HULLMANNIA COMMUNIS	1	3.0
CENTROPRISTIS PHILADELPHICA	1	9.6
CYNOSCION NOTHUS	3	11.8
SAURIDA BRASILIENSIS	1	12.0
ETROPIUS CROSSOTUS	1	13.9
PEPRILUS HURTI	3	16.0
TRICHIURUS LEPTURUS	7	46.8
NARCINE BRASILIENSIS	1	101.0
TOTALS 8	18	214.1

TRANSECT 4 STATION 2 D TRAWL 77 WINTER
01/29/77 TIME: 945 SAMPLE CODE: HBXC
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SAURIDA BRASILIENSIS	2	6.8
PRIONOTUS STEARNSI	1	12.1
SYACIUM GUNTERI	2	21.6
TRACHURUS LATHAMI	1	23.7
CENTROPRISTIS PHILADELPHICA	1	30.3
SERRANUS ATRORHANCHUS	4	50.3
STENOTOMUS CAPRINUS	2	52.4
PHIACANTHUS AENATUS	1	75.6
PRISTIPOMOIDES AQUILONARIS	46	207.6
SYNODUS FOETENS	2	344.4
TOTALS 10	62	744.8

TRANSECT 4 STATION 2 N TRAWL 77 WINTER
01/29/77 TIME: 2355 SAMPLE CODE: HBXC
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	3.0
PORICHTHYS POROSISSIMUS	4	15.4
PRISTIPOMOIDES AQUILONARIS	5	22.0
MICROPOGON UNDULATUS	1	45.0
STENOTOMUS CAPRINUS	2	80.8
PHIACANTHUS AENATUS	1	143.8
TOTALS 6	14	270.0

TRANSECT 4 STATION 3 D TRAWL 77 WINTER
01/28/77 TIME: 1400 SAMPLE CODE: HBZH
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STENOTOMUS CAPRINUS	3	64.8
TOTALS 1	3	64.8

TRANSECT 4 STATION 3 N TRAWL 77 WINTER
 01/28/77 TIME: 1915 SAMPLE CODE: HHZL
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CAULOLATILUS INTERMEDIUS	1	35.0
SPHEROIDES DORSALIS	1	51.8
TRACHURUS LATHAMI	1	53.0
PRIONOTUS RUBIO	1	60.1
STENOTOMUS CAPRINUS	3	92.0
UPENEUS PARVUS	4	124.9
SERRANUS ATROBRANCHUS	12	151.4
PRIACANTHUS ARENATUS	3	342.5
TOTALS 8	26	910.7

TRANSECT 4 STATION 4 D TRAWL 77 WINTER
 01/30/77 TIME: 1230 SAMPLE CODE: HCB0
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCION NOTHUS	1	3.0
PEPRILUS ALEPIDOTUS	1	14.6
PEPRILUS HURTI	4	18.1
MENTICIRRHUS AMERICANUS	2	105.6
TOTALS 4	8	141.3

TRANSECT 4 STATION 4 N TRAWL 77 WINTER
 01/30/77 TIME: 2110 SAMPLE CODE: HCBH
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LARIMUS FASCIATUS	2	3.9
BREVOORTIA PATRONUS	1	23.2
PEPRILUS ALEPIDOTUS	4	29.9
PEPRILUS HURTI	5	30.5
MICROPOGON UNDULATUS	1	44.5
TRICHIURUS LEPTURUS	9	71.5
TOTALS 6	22	203.5

TRANSECT 4 STATION 5 D TRAWL 77 WINTER
 01/30/77 TIME: 1650 SAMPLE CODE: HCGX
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCION ARENARIUS	1	9.6
SERRANUS ATROBRANCHUS	1	9.6
SAURIDA BRASILIENSIS	5	21.6
DIPLECTRUM BIVITTATUM	2	23.7
TRICHIURUS LEPTURUS	1	20.2
CENTROPRISTIS PHILADELPHICA	1	29.9
SYACIUM GUNTERI	3	36.1
SYNODUS FOETENS	2	51.1
PRIONOTUS STEARNSI	9	61.2
SPHEROIDES PARVUS	25	110.4
TOTALS 10	50	301.4

TRANSECT 4 STATION 5 N TRAWL 77 WINTER
 01/30/77 TIME: 1850 SAMPLE CODE: HCG8
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PURICHTHYS POROSISSIMUS	1	3.0
BULLMANNIA COMMUNIS	1	4.2
HALIEUTICHTHYS ACULEATUS	1	6.5
LUTJANUS CAMPECHANUS	1	7.1
PRIONOTUS STEARNSI	1	10.2
SPHEROIDES PARVUS	9	42.6
SYACIUM GUNTERI	5	121.3
TOTALS 7	19	194.9

TRANSECT 4 STATION 6 D TRAWL 77 WINTER
 01/28/77 TIME: 1155 SAMPLE CODE: ACET
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
RHOXHOPLITES AURORUBENS	1	4.0
SERRANUS ATROBRANCHUS	2	16.5
PRISTIGOMOIDES AQUILONARIS	3	23.1
UPENEUS PARVUS	1	27.9
PRIACANTHUS ARENATUS	1	74.2
STENOTOMUS CAPRINUS	5	142.8
SYNODUS FOETENS	2	301.6
SELAR CRUMENOPHTHALMUS	15	402.4
TOTALS 8	30	1152.5

TRANSECT 4 STATION 6 N TRAWL 77 WINTER
01/28/77 TIME: 2250 SAMPLE CODE: BCEX
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UPENEUS PARVUS	1	33.0
PRIONOTUS RUBIO	1	70.6
PRIACANTHUS ARENATUS	1	122.5
STENOTOMUS CAPRINUS	10	441.9
TOTALS 4	13	668.0

TRANSECT 4 STATION 7 D TRAWL 77 WINTER
01/28/77 TIME: 1700 SAMPLE CODE: RCGP
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UPENEUS PARVUS	1	27.1
CAULOLATILUS INTERMEDIUS	1	47.1
EQUETUS ACUMINATUS	1	50.4
SCORPAENA BRASILIENSIS	1	71.7
SERRANUS ATROBRANCHUS	8	175.4
CENTROPRISTIS PHILADELPHICA	1	215.9
PRISTIPOMOIDES AQUILONARIS	8	722.6
TOTALS 7	21	1310.2

TRANSECT 4 STATION 7 N TRAWL 77 WINTER
01/28/77 TIME: 2025 SAMPLE CODE: RCGT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STENOTOMUS CAPRINUS	2	45.6
TOTALS 1	2	45.6

TRANSECT 02 STATION 03 N TRAWL 77 MARCH
03/11/77 TIME: 0220 SAMPLE CODE: HDQH
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SERRANUS ATROBRANCHUS	2	34.4
ANCYLOPSETTA DILECTA	1	54.0
TRICHOPSETTA VENTRALIS	4	75.0
STENOTOMUS CAPRINUS	4	209.0
TOTALS 4	11	372.4

TRANSECT 02 STATION 03 N TRAWL 77 MARCH
03/11/77 TIME: 0150 SAMPLE CODE: HDQE
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	2	8.2
ANCYLOPSETTA DILECTA	1	25.0
PORICHTHYS POROSISSIMUS	3	26.1
ANTENNARIUS RADIOSUS	1	29.1
GYMNACHIRUS TEXAE	2	34.6
PRIONOTUS RUBIO	1	68.4
KATHETOSTOMA ALBIGUTTA	2	70.5
UGCOEPHALUS SPECIES	4	76.2
STENOTOMUS CAPRINUS	3	83.3
CENTROPRISTIS PHILADELPHICA	1	106.0
PRIONOTUS STEARNSI	4	115.9
PRISTIPOMOIDES AQUILONARIS	2	130.6
SERRANUS ATROBRANCHUS	8	151.4
SYNODUS FOETENS	1	225.0
TRICHOPSETTA VENTRALIS	11	264.1
TOTALS 15	46	1421.4

TRANSECT 02 STATION 03 N TRAWL 77 MARCH
03/11/77 TIME: 0115 SAMPLE CODE: HDQB
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	8.6
HALIFUTICHTHYS ACULEATUS	1	9.3
SAURIDA BRASILIENSIS	1	13.2
PARALICHTHYS ALBIGUTTA	1	28.0
SERRANUS ATROBRANCHUS	3	62.0
UGCOEPHALUS SPECIES	4	68.1
GYMNACHIRUS TEXAE	4	82.5
SYNODUS FOETENS	1	106.2
ANTENNARIUS RADIOSUS	4	112.6
CENTROPRISTIS PHILADELPHICA	1	127.0
PRIONOTUS RUBIO	3	130.9
PRIONOTUS PARALATUS	5	148.4
KATHETOSTOMA ALBIGUTTA	5	180.0
TRICHOPSETTA VENTRALIS	6	181.4
STENOTOMUS CAPRINUS	3	190.9
CYCLOPSETTA CHITTENDENI	1	210.0
TOTALS 16	44	1659.1

TRANSECT 02 STATION 02 N TRAWL 77 MARCH
03/10/77 TIME: 2145 SAMPLE CODE: RDPO
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ENGYOPHRYS SENTA	1	2.9
BOLLMANNIA COMMUNIS	1	4.8
PURICHTHYS POROSISSIMUS	1	5.5
DIPLECTRUM BIVITTATUM	1	22.9
SERRANUS ATROBRANCHUS	2	30.4
EQUETUS ACUMINATUS	1	37.8
CENTROPRISTIS PHILADELPHICA	1	68.0
LAGODON RHOMBOIDES	3	86.4
CYNOSCIION ARENARIUS	1	92.0
OGCOEPHALUS SPECIES	3	101.5
CHAETODIPTERUS FABER	1	134.5
CYCLOPSETTA CHITTENDENI	5	229.6
SYACIUM GUNTERI	13	292.5
LUTJANUS CAMPECHANUS	17	4267.8
TOTALS 14	51	5376.6

TRANSECT 02 STATION 02 N TRAWL 77 MARCH
03/10/77 TIME: 2120 SAMPLE CODE: RDPL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANTENNARIUS RADIOSUS	1	1.0
SCORPAENA CALCANTA	1	7.2
SPHOEROIDES PARVUS	1	8.8
PRISTIPOMOIDES AQUILONARIS	1	10.5
SERRANUS ATROBRANCHUS	1	13.0
ENGYOPHRYS SENTA	2	13.4
OGCOEPHALUS SPECIES	1	15.6
CHLONOSCOMBUS CHRYSURUS	1	17.2
CYCLOPSETTA CHITTENDENI	1	21.5
LAGODON RHOMBOIDES	3	90.0
CENTROPRISTIS PHILADELPHICA	1	96.2
SYNODUS FOETENS	1	101.4
SYACIUM GUNTERI	11	306.1
TOTALS 13	26	702.7

TRANSECT 02 STATION 02 N TRAWL 77 MARCH
03/10/77 TIME: 2050 SAMPLE CODE: BDPI
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ENGYOPHRYS SENTA	1	5.4
SERRANUS ATROBRANCHUS	1	14.0
LUTJANUS CAMPECHANUS	1	26.5
STENOTOMUS CAPRINUS	1	26.8
PHILOTUS RUBIO	2	64.9
SYNODUS FOETENS	2	202.5
ARIUS FELIS	1	329.9
SYACIUM GUNTERI	29	723.0
TOTALS 8	38	1473.0

TRANSECT 2 STATION 1 N TRAWL 77 MARCH
03/15/77 TIME: 500 SAMPLE CODE: BDDY
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	2.2
ANTENNARIUS RADIOSUS	3	6.8
HALIEUTICHTHYS ACULEATUS	1	7.0
CITHARICHTHYS SPILOPTERUS	1	11.0
TRICHIURUS LEPTURUS	1	17.3
SYACIUM GUNTERI	5	64.6
UROPHYCIS FLORIDANUS	2	86.4
CYNOSCIION ARENARIUS	23	166.1
TOTALS 8	37	361.4

TRANSECT 2 STATION 1 N TRAWL 77 MARCH
03/15/77 TIME: 435 SAMPLE CODE: BDDV
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	1.3
ANTENNARIUS RADIOSUS	2	4.1
HALIEUTICHTHYS ACULEATUS	2	7.5
TRICHIURUS LEPTURUS	1	10.0
UROPHYCIS FLORIDANUS	3	28.9
ETROPUS CROSSOTUS	1	32.5
SYACIUM GUNTERI	5	50.5
LEPOPHIDIUM GRAELLSI	2	56.5
CYNOSCIION ARENARIUS	21	334.6
TOTALS 9	38	525.9

TRANSECT 2 STATION 1 N TRAWL 77 MARCH
03/15/77 TIME: 410 SAMPLE CODE: BDDU
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANTENNARIUS RADIOSUS	1	2.1
UROPHYCIS CIRRHATUS	1	3.9
HALIEUTICHTHYS ACULEATUS	1	6.1
TRICHIURUS LEPTURUS	1	8.3
LEPOPHIDIUM GRAELLSI	1	48.9
MICROPOGON UNDULATUS	2	74.5
SYACIUM GUNTERI	5	74.6
UROPHYCIS FLORIDANUS	2	89.5
CYNOSCIION NOTHUS	19	106.9
CYNOSCIION ARENARIUS	2	133.3
TOTALS 10	35	548.1

TRANSECT 2 STATION 1 N TRAWL 77 APRIL
04/17/77 TIME: 1950 SAMPLE CODE: HGKM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UROPHYCIS CIRRATUS	1	3.8
OGCOEPHALUS SPECIES	1	4.6
ANTENNARIUS RADIOSUS	3	8.2
HALIEUTICHTHYS ACULEATUS	3	11.4
TRICHIURUS LEPTURUS	1	12.7
SYACIUM GUNTERI	2	30.5
UROPHYCIS FLORIDANUS	2	69.5
MENTICIRRHUS FOCALINGER	1	134.1
CYNOSCION NOTHUS	34	215.8
CYNOSCION ARENARIUS	4	281.4
PEPRILUS BURTI	34	340.8
TOTALS 11	86	1112.8

TRANSECT 2 STATION 1 N TRAWL 77 APRIL
04/17/77 TIME: 2010 SAMPLE CODE: BGKP
HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANCHOA MITCHILLI	1	2.2
ANTENNARIUS RADIOSUS	1	2.3
MICROPOGON UNDULATUS	2	3.6
HALIEUTICHTHYS ACULEATUS	2	5.2
TRICHIURUS LEPTURUS	1	6.9
BOLLMANNIA COMMUNIS	2	11.6
UROPHYCIS CIRRATUS	8	36.1
UROPHYCIS FLORIDANUS	2	52.2
SYACIUM GUNTERI	5	78.2
PEPRILUS BURTI	13	117.3
CYNOSCION NOTHUS	34	310.3
CYNOSCION ARENARIUS	3	473.0
TOTALS 12	74	1098.9

TRANSECT 2 STATION 1 N TRAWL 77 APRIL
04/17/77 TIME: 2030 SAMPLE CODE: BGKS
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS RUBIO	1	.8
MICROPOGON UNDULATUS	4	2.0
HALIEUTICHTHYS ACULEATUS	1	2.0
OGCOEPHALUS SPECIES	1	4.2
ANTENNARIUS RADIOSUS	2	6.6
TRICHIURUS LEPTURUS	1	8.3
UROPHYCIS CIRRATUS	2	11.9
ANCHOA HEPSETUS	1	17.4
PORICHTHYS POROSISSIMUS	1	20.5
UROPHYCIS FLORIDANUS	1	22.4
SYACIUM GUNTERI	2	27.0
LARIMUS FASCIATUS	1	47.1
CYNOSCION NOTHUS	26	149.8
PEPRILUS BURTI	17	177.3
CYNOSCION ARENARIUS	4	292.2
TOTALS 15	65	789.5

TRANSECT 2 STATION 2 N TRAWL 77 APRIL
04/17/77 TIME: 2345 SAMPLE CODE: BGLG
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS OPHRYAS	2	.9
BOLLMANNIA COMMUNIS	1	1.8
ANTENNARIUS RADIOSUS	1	2.4
PRIONOTUS STEARNSI	1	3.8
SYNODUS PUEYI	1	5.9
LEPOPHIDIUM GRAELLSI	1	6.1
HOPLUNNIS MACRURUS	1	8.9
ENGYOPHRYUS SENTA	2	10.4
PORICHTHYS POROSISSIMUS	2	13.1
OGCOEPHALUS SPECIES	1	19.2
PRIONOTUS ROSEUS	2	69.3
CENTROPRISTIS PHILADELPHICA	2	90.8
SERRANUS ATROBRANCHUS	12	163.8
LEIOSTOMUS XANTHURUS	2	173.9
UROPHYCIS FLORIDANUS	3	176.1
SYACIUM GUNTERI	11	198.0
SYNODUS FOETENS	2	254.8
STENOTOMUS CAPRINUS	6	329.1
CYCLOPSETTA CHITTENDENT	4	503.7
TOTALS 19	57	2032.0

TRANSECT 2 STATION 2 N TRAWL 77 APRIL
04/17/77 TIME: 15 SAMPLE CODE: BGLJ
HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANTENNARIUS RADIOSUS	2	4.4
ENGYOPHRYUS SENTA	1	5.1
PORICHTHYS POROSISSIMUS	1	6.1
CYCLOPSETTA CHITTENDENT	1	10.6
PEPRILUS BURTI	1	11.8
LUTJANUS CAMPECHANUS	1	13.5
OGCOEPHALUS SPECIES	1	14.9
LEPOPHIDIUM GRAELLSI	1	36.0
HOPLUNNIS MACRURUS	2	43.2
SYACIUM GUNTERI	2	46.8
LAGODON RHOMBOIDES	2	66.5
UROPHYCIS CIRRATUS	2	71.1
LEIOSTOMUS XANTHURUS	1	87.6
STENOTOMUS CAPRINUS	2	114.4
PRIONOTUS ROSEUS	4	163.4
SERRANUS ATROBRANCHUS	14	187.1
SYNODUS FOETENS	2	257.6
CENTROPRISTIS PHILADELPHICA	5	352.5
TOTALS 18	45	1492.6

TRANSECT 2 STATION 3 N TRAWL 77 APRIL
 04/20/77 TIME: 2330 SAMPLE CODE: BGLX
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UGCOEPHALUS SPECIES	3	39.0
TRACHURUS LATHAMI	1	66.5
DECODON PUELLARIS	1	79.7
CAULOLATILUS INTERMEDIUS	1	114.2
STENOTOMUS CAPRINUS	3	189.9
SERRANUS ATROBRANCHIUS	11	237.6
PONTINUS LONGISPINIS	10	304.5
TRICHOPSETTA VENTRALIS	16	335.1
PRIONOTUS PARALATUS	12	378.6
BROTULA BANHATA	1	960.0
PRISTIPOMOIDES AQUILONARIS	20	3276.4
TOTALS 11	87	5981.5

TRANSECT 2 STATION 3 N TRAWL 77 APRIL
 04/21/77 TIME: 0 SAMPLE CODE: BGMA
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HUPLUNNIS TENUIIS	1	4.0
PHYSICULUS FULVUS	1	6.6
UPENFUS PARVUS	1	35.3
TRACHURUS LATHAMI	1	40.0
ANCYLOPSETTA DILECTA	1	64.1
TRICHOPSETTA VENTRALIS	12	267.2
SERRANUS ATROBRANCHIUS	11	318.1
PONTINUS LONGISPINIS	10	335.0
STENOTOMUS CAPRINUS	6	366.7
PRIONOTUS PARALATUS	17	502.4
PRISTIPOMOIDES AQUILONARIS	22	1630.5
TOTALS 11	83	3569.9

TRANSECT 2 STATION 3 N TRAWL 77 APRIL
 04/20/77 TIME: 2250 SAMPLE CODE: BGLU
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	8.9
HEMANTHIAS VIVANUS	1	17.0
ANCYLOPSETTA DILECTA	1	30.2
EQUETUS ACUMINATUS	1	87.0
TRACHURUS LATHAMI	2	99.1
PONTINUS LONGISPINIS	4	101.1
TRICHOPSETTA VENTRALIS	12	185.7
STENOTOMUS CAPRINUS	6	353.6
SERRANUS ATROBRANCHIUS	21	425.1
PRIONOTUS PARALATUS	19	517.7
PRISTIPOMOIDES AQUILONARIS	9	873.4
TOTALS 11	77	2698.8

TRANSECT 2 STATION 2 N TRAWL 77 APRIL
 04/17/77 TIME: 2320 SAMPLE CODE: HGLD
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANTENNARIUS RADIOSUS	2	2.1
PONICHTHYS POROSISSIMUS	1	4.7
UGCOEPHALUS SPECIES	1	14.6
ENGYOPHRYS SENTA	2	14.8
BULLMANNIA COMMUNIS	3	19.1
HUPLUNNIS MACRURUS	1	20.0
UKOPHYCIS FLORIDANUS	1	27.0
LAGODON RHOMBOIDES	1	28.7
SYACIUM GUNTERI	2	45.7
LUTJANUS CAMPECHANUS	2	55.9
PRIONOTUS ROSEUS	2	60.0
LEIOSTOMUS XANTHURUS	1	95.7
SERRANUS ATROBRANCHIUS	10	119.8
STENOTOMUS CAPRINUS	2	133.7
CENTROPRISTIIS PHILADELPHICA	2	173.3
TOTALS 15	33	815.1

TRANSECT 1 STATION 1 D TRAWL 77 SPRING
 05/31/77 TIME: 1259 SAMPLE CODE: BGWR
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PHYSICULUS FULVUS	1	2.0
LAGOCEPHALUS LAEVIGATUS	1	2.2
LUTJANUS CAMPECHANUS	1	17.3
HREVOURIA PATRONUS	1	24.5
LEIOSTOMUS XANTHURUS	2	30.0
MICROPOGON UNDULATUS	8	84.2
VOMER SFTAPINNIS	2	96.0
TRICHIURUS LEPTURUS	5	149.5
SYNOBUS FOETENS	4	157.8
POLYDACTYLUS OCTONEMUS	23	337.0
ANCHOA HEPSETUS	32	429.9
CYNOSCION NOTHUS	28	771.7
HARENGLA PENSACOLAE	44	870.7
CHLORUSCOMBRUS CHRYSURUS	285	4006.2
PEPRILUS HURTI	548	5922.3
TRACHURUS LATHAMI	463	7032.0
TOTALS 16	1448	20733.3

TRANSECT 1 STATION 1 N TRAWL 77 SPRING
 05/31/77 TIME: 2045 SAMPLE CODE: HGWV
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANCYLOPSETTA QUADROCELLATA	1	3.2
LEPOPHIDIUM GRAELLSI	1	7.2
SYACIUM GUNTERI	1	12.4
CYNOSCION ARENARIUS	5	13.1
PRIONOTUS RUBIO	4	20.7
PEPRILUS HURTI	2	25.3
CHLOROSCOMBRUS CHRYSURUS	1	36.0
UPENEUS PARVUS	4	53.8
PORICHTHYS POROSISSIMUS	5	55.3
SYNODUS FOETENS	1	59.6
MICROPYGON UNDOULATUS	8	108.2
ARJUS FELIS	1	146.4
CYNOSCION NOTHUS	5	421.6
POLYDACTYLUS OCTONEMUS	00	1050.0
TOTALS 14	119	2012.0

TRANSECT 1 STATION 2 D TRAWL 77 SPRING
 05/31/77 TIME: 1431 SAMPLE CODE: BGYS
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	8.5
LAGOCEPHALUS LAEVIGATUS	1	36.1
SERRANUS ATROBRANCHUS	4	41.6
SYACIUM GUNTERI	2	54.4
PRISTIPOMOIDES AQUILONARIS	3	58.8
SCOMBER JAPONICUS	10	160.0
SYNODUS FOETENS	8	307.1
ETRUMEUS TENES	83	701.4
TRACHURUS LATHAMI	414	3114.8
PEPRILUS HURTI	345	3379.0
TOTALS 14	879	7941.7

TRANSECT 1 STATION 2 N TRAWL 77 SPRING
 05/31/77 TIME: 2307 SAMPLE CODE: RGYW
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STENOTOMUS CAPRINUS	1	2.0
PRIACANTHUS ARENATUS	1	9.2
ENGYOPHRYS SENTA	2	12.0
ANCYLOPSETTA DILECTA	2	13.7
UMOPHYCIS CIRRHATUS	1	13.7
CAULOLATILUS INTERMEDIUS	1	13.8
PEPRILUS HURTI	2	18.5
PORICHTHYS POROSISSIMUS	3	18.9
UPENEUS PARVUS	3	19.2
LEPOPHIDIUM GRAELLSI	3	35.1
PRIONOTUS PARALATUS	11	38.1
BULLMANNTIA COMMUNIS	7	42.5
SYNODUS POEYI	10	63.2
PRISTIPOMOIDES AQUILONARIS	3	75.7
SAURIDA BRASILIENSIS	7	95.3
CYNOSCION NOTHUS	1	137.5
SERRANUS ATROBRANCHUS	30	189.1
CYCLOPSETTA CHITTENDENI	1	193.4
CENTROPHISTIS PHILADELPHICA	13	193.5
SYACIUM GUNTERI	26	366.2
PRIONOTUS STEARNSI	45	436.7
TOTALS 21	173	1987.3

TRANSECT 1 STATION 3 D TRAWL 77 SPRING
 06/01/77 TIME: 646 SAMPLE CODE: BHAW
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HOPLUNNIS TENUIS	1	1.0
TRICHOPSETTA VENTRALIS	1	18.6
LEPOPHIDIUM GRAELLSI	1	30.2
BEMBROPS ANATIROSTRIS	1	37.0
PUNTINUS LONGISPINIS	1	60.2
PRIONOTUS PARALATUS	3	156.7
SERRANUS ATROBRANCHUS	9	165.8
STENOTOMUS CAPRINUS	4	219.7
CAULOLATILUS INTERMEDIUS	4	274.9
SYNODUS FOETENS	2	536.8
TRACHURUS LATHAMI	101	1871.8
PRISTIPOMOIDES AQUILONARIS	28	2476.8
TOTALS 12	156	5849.5

TRANSECT 1 STATION 3 N TRAWL 77 SPRING
06/01/77 TIME: 330 SAMPLE CODE: RHAZ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HEMANTHIAS VIVANUS	1	9.1
HUPLUNNIS TENUIS	2	11.0
UROPHYCIS CIRRHATUS	2	23.1
TRICHOPSETTA VENTRALIS	3	30.7
LEPOPHIDIUM GRAELLSI	3	66.1
PRIONOTUS HURIO	4	101.4
TRACHURUS LATHAMI	4	165.1
PUNTINUS LONGISPINIS	10	305.6
STENOTOMUS CAPRINUS	15	778.2
PRISTIPOMOIDES AQUILONARIS	14	1154.3
SERRANUS ATROBRANCHUS	22	1963.1
TOTALS 11	80	4612.7

TRANSECT 1 STATION 4 D TRAWL 77 SPRING
05/31/77 TIME: 1535 SAMPLE CODE: BHCM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANCHOA MITCHILLI	2	5.6
ANCHOA HEPSETUS	6	13.2
STELLIFER LANCEOLATUS	1	24.3
MENTICIRRHUS AMERICANUS	1	34.9
CHLOROSCOMMUS CHRYSURUS	3	47.9
OPISTHONEMA OGLINUM	1	58.3
LEIOSTOMUS XANTHURUS	7	232.1
TRICHIURUS LEPTURUS	21	446.6
POLYDACTYLUS OCTONEMUS	22	536.1
PEPRILUS BURTII	60	936.0
CYNOSCION NOTHUS	348	6305.9
BREVOORTIA PATRONUS	180	6367.0
MICROPOGON UNDULATUS	740	7287.2
TOTALS 13	1392	22295.1

TRANSECT 1 STATION 4 N TRAWL 77 SPRING
05/31/77 TIME: 2012 SAMPLE CODE: BHCO
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CHILOMYCTERUS SCHOEPFI	1	4.1
PRIONOTUS TRIBULUS	4	26.0
BREVOORTIA GUNTERI	1	30.6
PORICHTHYS POROSISSIMUS	2	34.4
STELLIFER LANCEOLATUS	1	37.0
LEIOSTOMUS XANTHURUS	2	43.9
SYMPHURUS PLAGIUSA	2	52.2
PEPRILUS BURTII	3	57.4
OPISTHONEMA OGLINUM	1	63.2
CHLOROSCOMMUS CHRYSURUS	8	123.6
MENTICIRRHUS AMERICANUS	1	142.1
CYNOSCION NOTHUS	6	234.6
MICROPOGON UNDULATUS	30	290.2
POLYDACTYLUS OCTONEMUS	61	834.9
TOTALS 14	123	1974.2

TRANSECT 1 STATION 5 D TRAWL 77 SPRING
06/01/77 TIME: 1140 SAMPLE CODE: HHFL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SAURIDA BRASILIENSIS	1	6.0
HALIEUTICHTHYS ACULEATUS	1	7.0
TRACHURUS LATHAMI	5	45.3
SERRANUS ATROBRANCHUS	6	111.5
UPENEUS PARVUS	7	244.3
STENOTOMUS CAPRINUS	18	797.1
SYNODUS FOETENS	6	917.9
PRISTIPOMOIDES AQUILONARIS	9	1427.1
TOTALS 8	53	3556.2

TRANSECT 1 STATION 5 N TRAWL 77 SPRING
06/01/77 TIME: 118 SAMPLE CODE: HHFP
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PORICHTHYS POROSISSIMUS	1	10.0
CAULOLATILUS INTERMEDIUS	1	16.3
KATHETOSTOMA ALBIGUTTA	1	22.1
SAURIDA BRASILIENSIS	2	22.8
TRICHOPSETTA VENTRALIS	1	26.2
UPENEUS PARVUS	1	29.4
LEPOPHIDIUM GRAELLSI	1	43.1
SYNODUS POEYI	5	45.0
UROPHYCIS CIRRHATUS	5	56.9
ANCYLOPSETTA DILECTA	1	57.0
PRIONOTUS STEARNSI	5	61.2
PRIONOTUS PALMATUS	9	64.7
SYNODUS FOETENS	1	117.2
PRIONOTUS HURIO	3	158.2
STENOTOMUS CAPRINUS	5	194.8
CYCLUPSETTA CHITTENDENI	2	244.2
UROPHYCIS FLORIDANUS	3	286.9
PRISTIPOMOIDES AQUILONARIS	6	485.6
SERRANUS ATROBRANCHUS	30	779.8
CENTROPRESTIS PHILADELPHICA	9	893.1
MUSTELUS CANIS	1	3450.0
TOTALS 21	93	7064.5

TRANSECT 1 STATION 6 D TRAWL 77 SPRING
06/01/77 TIME: 925 SAMPLE CODE: BHGJ
HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
GOBIONELLUS HASTATUS	1	30.7
CAULOLATILUS INTERMEDIUS	1	44.9
STENOTOMUS CAPRINUS	2	144.0
PRISTIPOMOIDES AQUILONARIS	9	1111.7
TRACHURUS LATHAMI	149	1600.1
TOTALS 5	162	2931.4

TRANSECT 1 STATION 6 N TRAWL 77 SPRING
06/01/77 TIME: 220 SAMPLE CODE: BJXQ
HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SAURIDA BRASILIENSIS	1	5.0
PONTINUS LONGISPINIS	1	7.0
PRIONOTUS STEARNSI	2	15.2
SYACIUM GUNTERI	1	15.2
UROPHYCIS CIRRATUS	1	15.3
TRACHURUS LATHAMI	1	31.1
UPENEUS PARVUS	3	89.5
EQUETUS ACUMINATUS	2	101.5
CENTROPRISTIS PHILADELPHICA	4	313.7
SERRANUS ATROBRANCHUS	26	595.2
STENOTOMUS CAPRINUS	21	987.2
PRISTIPOMOIDES AQUILONARIS	9	1033.9
TOTALS 12	74	4009.8

TRANSECT 2 STATION 1 D TRAWL 77 SPRING
06/03/77 TIME: 110 SAMPLE CODE: BH1L
HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LAGOCEPHALUS LAEVIGATUS	1	7.3
UPENEUS PARVUS	1	13.2
SCOMBER JAPONICUS	1	15.6
STELLIFER LANCEOLATUS	1	16.2
SYACIUM GUNTERI	1	18.2
TRICHURUS LEPTURUS	2	36.4
SERRANUS ATROBRANCHUS	2	41.6
VOMER SETAPINNIS	3	206.4
HARENGULA PENSACOLAE	31	420.8
ANCHOA HEPSETUS	29	501.8
CYNOSCION NOTHUS	41	713.0
TRACHURUS LATHAMI	394	5065.8
PEPRILUS BURTI	1419	15160.0
TOTALS 13	1926	22296.3

TRANSECT 2 STATION 1 D TRAWL 77 SPRING
06/03/77 TIME: 1401 SAMPLE CODE: BH1O
HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LAGOCEPHALUS LAEVIGATUS	1	7.1
SERRANUS ATROBRANCHUS	1	10.2
SYNODUS FOETENS	5	126.5
HARENGULA PENSACOLAE	7	139.3
CYNOSCION NOTHUS	17	223.4
ANCHOA HEPSETUS	23	473.1
TRACHURUS LATHAMI	124	1718.1
PEPRILUS BURTI	875	10036.3
TOTALS 8	1053	12734.0

TRANSECT 2 STATION 1 N TRAWL 77 SPRING
06/03/77 TIME: 11 SAMPLE CODE: BHJA
HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS LARVAL	2	1.3
PORICHTHYS POROSISSIMUS	1	11.6
MICROPOGON UNDULATUS	2	16.8
ETROPUS CROSSOTUS	2	21.3
DIPLECTRUM BIVITTATUM	2	30.1
STENOTOMUS CAPRINUS	5	46.0
ZENOPSIS OCELLATA	1	68.5
POLYDACTYLUS OCTONEMUS	7	102.1
SERRANUS ATROBRANCHUS	6	106.3
SYACIUM GUNTERI	8	125.5
UPENEUS PARVUS	14	135.1
PRISTIPOMOIDES AQUILONARIS	1	143.8
PEPRILUS BURTI	14	168.1
CENTROPRISTIS PHILADELPHICA	5	295.5
TRACHURUS LATHAMI	17	453.9
SYNODUS FOETENS	2	481.1
CYNOSCION NOTHUS	53	674.0
TOTALS 17	142	2881.0

TRANSECT 2 STATION 1 N TRAWL 77 SPRING
06/03/77 TIME: 33 SAMPLE CODE: BHJD
HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CENTROPRISTIS PHILADELPHICA	2	2.6
TRACHURUS LATHAMI	1	6.7
SYNODUS FOETENS	1	21.4
UPENEUS PARVUS	4	28.4
MICROPOGON UNDULATUS	3	49.9
LEPOPHIDIUM GRAELLSI	3	56.5
SYACIUM GUNTERI	9	125.8
CYNOSCION ANENARIUS	21	160.4
PEPRILUS BURTI	14	188.1
POLYDACTYLUS OCTONEMUS	22	342.6
CYNOSCION NOTHUS	26	488.5
TOTALS 11	106	1470.9

TRANSECT 2 STATION 1 N TRAWL 77 SPRING
 06/03/77 TIME: 54 SAMPLE CODE: BMJG
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS TRIBULUS	3	1.9
UPENEUS PARVUS	2	15.6
HAHENGULA PENSACOLAE	1	35.7
TRACHURUS LATHAMI	3	39.1
LEPOPHIDIUM GRAELLSI	3	46.0
PURICHTHYS PORUSISSIMUS	3	64.1
SYACIUM GUNTERI	9	105.9
CYNOSCION ARENARIUS	30	100.7
PEPRILUS HURTI	16	200.0
MICROPOGON UNDULATUS	24	231.1
POLYDACTYLUS OCTONEMUS	36	355.0
CYNOSCION NOTHUS	22	302.0
TOTALS 12	160	1593.1

TRANSECT 2 STATION 2 D TRAWL 77 SPRING
 06/03/77 TIME: 815 SAMPLE CODE: BHLC
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LAGOCEPHALUS LAEVIGATUS	1	16.7
PRISTIPOMOIDES AQUILONARIS	1	25.0
CENTROPYSTIS PHILADELPHICA	1	33.7
SYACIUM GUNTERI	1	35.2
PRIONOTUS STEARNSI	4	45.6
SAURIDA BRASILIENSIS	5	82.1
CYCLOPSETTA CHITTENDENI	1	153.1
SERRANUS ATROBRANCHUS	12	175.2
SYNODUS FOETENS	11	535.6
TRACHURUS LATHAMI	89	737.7
PEPRILUS HURTI	145	1066.2
TOTALS 11	271	3706.1

TRANSECT 2 STATION 2 D TRAWL 77 SPRING
 06/03/77 TIME: 836 SAMPLE CODE: BHLF
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LAGOCEPHALUS LAEVIGATUS	1	20.4
PRISTIPOMOIDES AQUILONARIS	1	25.3
SYACIUM GUNTERI	1	43.5
SERRANUS ATROBRANCHUS	10	161.6
TRACHURUS LATHAMI	60	621.6
SYNODUS FOETENS	10	657.1
PEPRILUS HURTI	89	1166.7
TOTALS 7	180	2696.2

TRANSECT 2 STATION 2 N TRAWL 77 SPRING
 06/03/77 TIME: 2015 SAMPLE CODE: BHLJ
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HULLMANNIA COMMUNIS	1	3.4
ETROPUS CROSSOTUS	1	4.6
SERRANUS ATROBRANCHUS	1	12.2
ANCYLOPSETTA DILECTA	3	17.9
UROPHYCIS FLORIDANUS	1	24.1
PEPRILUS HURTI	2	25.0
UROPHYCIS CIRRATUS	2	31.4
TRACHURUS LATHAMI	2	36.7
PRIONOTUS KUHIO	3	124.3
CYCLOPSETTA CHITTENDENI	2	181.8
CENTROPYSTIS PHILADELPHICA	3	210.7
SYACIUM GUNTERI	16	246.3
SYNODUS FOETENS	2	364.0
PARALICHTHYS LETHOSTIGMA	1	399.2
TOTALS 14	40	1681.6

TRANSECT 2 STATION 2 N TRAWL 77 SPRING
 06/03/77 TIME: 2055 SAMPLE CODE: BHLM
 BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	4	13.1
CUNGRINA FLAVA	1	13.4
HULLMANNIA COMMUNIS	3	16.8
SERRANUS ATROBRANCHUS	2	20.1
HOPLUNNIS TENUIS	1	36.2
SAURIDA BRASILIENSIS	10	68.2
PRIONOTUS PARALATUS	20	78.2
PRISTIPOMOIDES AQUILONARIS	3	80.6
UROPHYCIS CIRRATUS	7	99.9
SYACIUM GUNTERI	8	110.2
LEPOPHIDIUM GRAELLSI	5	146.1
CENTROPYSTIS PHILADELPHICA	5	147.5
UROPHYCIS FLORIDANUS	5	150.1
SYNODUS FOETENS	1	232.5
TOTALS 14	75	1212.9

TRANSECT 2 STATION 2 N TRAWL 77 SPRING
06/03/77 TIME: 2120 SAMPLE CODE: BHLF
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	5.7
CAULOLATILUS INTERMEDIUS	1	9.4
PORICHTHYS POROSISSIMUS	2	13.7
MULLMANIA COMMUNIS	3	16.7
PRIONOTUS STEARNSI	7	20.2
ANCYLOPSETTA DILECTA	4	32.7
HUPLUNNIS MACRURUS	2	51.2
LUTJANUS CAMPECHANUS	1	54.5
LEPOPHIDIUM GRAELLSI	4	56.6
SAURIDA BRASILIENSIS	4	56.6
UROPHYCIS CIRRHATUS	4	59.8
UROPHYCIS FLORIDANUS	3	85.5
SERRANUS ATRORRANCHUS	6	85.6
PRIONOTUS RUBIO	2	91.4
PRISTIPOMOIDES AQUILONARIS	4	102.0
SYNODUS POEYI	15	102.6
PRIONOTUS PARALATUS	30	129.1
CENTROPRISTIS PHILADELPHICA	8	167.6
SYACIUM GUNTERI	13	238.2
TOTALS 19	122	1379.1

TRANSECT 2 STATION 3 D TRAWL 77 SPRING
06/02/77 TIME: 1600 SAMPLE CODE: BHMT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	13.8
ANCYLOPSETTA DILECTA	1	19.2
HEMIRHOPS ANATIROSTRIS	1	84.1
HEMANTHIAS LEPTUS	3	86.2
UPENEUS PARVUS	4	86.2
PONTINUS LONGISPINIS	3	131.8
PRIONOTUS PARALATUS	5	178.8
SERRANUS ATRORRANCHUS	17	329.8
STENOTOMUS CAPRINUS	10	523.2
TRACHURUS LATHAMI	32	885.2
SYNODUS FOETENS	6	928.9
PRISTIPOMOIDES AQUILONARIS	32	2931.5
TOTALS 12	115	6198.7

TRANSECT 2 STATION 3 D TRAWL 77 SPRING
06/02/77 TIME: 1600 SAMPLE CODE: HHNS
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HEMIRHOPS ANATIROSTRIS	1	9.8
SCUMBER JAPONICUS	1	18.3
ZENOPSIS OCELLATA	1	19.6
ANCYLOPSETTA QUADROCELLATA	1	29.6
PONTINUS LONGISPINIS	1	45.7
UPENEUS PARVUS	2	47.1
HEMANTHIAS VIVANUS	3	53.9
PRIONOTUS PARALATUS	6	169.3
DECODON PUELLARIS	2	242.1
SERRANUS ATRORRANCHUS	11	270.8
SYNODUS FOETENS	4	683.3
STENOTOMUS CAPRINUS	14	824.2
TRACHURUS LATHAMI	62	1727.6
PRISTIPOMOIDES AQUILONARIS	35	3095.3
TOTALS 14	144	7236.6

TRANSECT 2 STATION 3 N TRAWL 77 SPRING
06/02/77 TIME: 2014 SAMPLE CODE: BHOA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYACIUM GUNTERI	1	1.6
UPENEUS PARVUS	1	27.1
ANCYLOPSETTA DILECTA	1	37.1
UROPHYCIS CIRRHATUS	4	69.4
HUPLUNNIS TENUISS	7	78.9
TRICHOPSETTA VENTRALIS	5	95.9
CAULOLATILUS INTERMEDIUS	1	96.2
EQUETUS ACUMINATUS	2	97.0
LAGODON RHOMBOIDES	1	99.0
SYNODUS FOETENS	1	131.9
PRIONOTUS PARALATUS	6	171.3
SERRANUS ATRORRANCHUS	12	228.7
TRACHURUS LATHAMI	6	237.6
PONTINUS LONGISPINIS	10	452.9
STENOTOMUS CAPRINUS	14	659.1
PRISTIPOMOIDES AQUILONARIS	23	2505.6
TOTALS 16	95	4989.3

TRANSECT 2 STATION 3 N TRAWL 77 SPRING
06/02/77 TIME: 2450 SAMPLE CODE: BH0D
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	9.4
NEUHYTHITES GILLI	1	12.4
UPENEUS PARVUS	1	26.0
OGCOEPHALUS SPECIES	2	26.3
UROPHYCIS CIRRATUS	2	31.4
HOPLUNNIS TENUIS	4	36.1
HEMANTHIAS LEPTUS	1	40.4
TRICHOPSETTA VENTRALIS	2	47.6
PRIONOTUS RUBIO	1	70.0
BEMBROPS ANATIROSTRIS	2	71.0
LEPOPHIDIUM GRAELLSI	2	78.2
UROPHYCIS FLORIDANUS	1	102.0
SYACIUM GUNTERI	7	102.6
TRACHURUS LATHAMI	3	117.6
CAULULATILUS INTERMEDIUS	1	127.1
EQUETUS ACUMINATUS	3	136.0
PRIONOTUS PARALATUS	16	420.0
SYNODUS FOETENS	3	611.6
SERRANUS ATROBRANCHUS	33	649.0
PONTINUS LONGISPINIS	21	856.2
STENOTOMUS CAPRINUS	17	986.5
PRISTIPOMOIDES AQUILONARIS	39	2303.1
TOTALS 22	163	6872.5

TRANSECT 2 STATION 3 N TRAWL 77 SPRING
06/02/77 TIME: 2130 SAMPLE CODE: BH0G
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HOPLUNNIS TENUIS	2	20.4
TRICHOPSETTA VENTRALIS	2	42.9
PONTINUS LONGISPINIS	1	49.2
CUNGRINA FLAVA	1	70.5
PRIONOTUS PARALATUS	3	83.4
PEPRILUS BURTI	1	93.1
SERRANUS ATROBRANCHUS	7	139.2
TRACHURUS LATHAMI	4	148.2
PRISTIPOMOIDES AQUILONARIS	5	617.8
STENOTOMUS CAPRINUS	15	784.1
TOTALS 10	41	2056.8

TRANSECT 2 STATION 4 D TRAWL 77 SPRING
06/03/77 TIME: 1458 SAMPLE CODE: BH0Y
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	8.4
UPENEUS PARVUS	2	9.8
PEPRILUS BURTI	2	19.3
TRICHIURUS LEPTURUS	1	28.0
TRACHURUS LATHAMI	6	36.9
SYACIUM GUNTERI	2	42.2
LUTJANUS CAMPECHANUS	1	56.2
SYNODUS FOETENS	2	111.5
DIPLECTRUM BIVITTATUM	6	130.7
TOTALS 9	23	443.0

TRANSECT 2 STATION 4 D TRAWL 77 SPRING
06/03/77 TIME: 1123 SAMPLE CODE: BH0B
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LAGOCEPHALUS LAEVIGATUS	1	2.6
UPENEUS PARVUS	1	3.0
TRACHURUS LATHAMI	2	12.1
SERRANUS ATROBRANCHUS	3	16.1
ANCHIA HEPSETUS	1	25.0
SAURIDA BRASILIENSIS	3	31.7
SYNODUS FOETENS	1	33.2
TRICHIURUS LEPTURUS	2	39.9
DIPLECTRUM BIVITTATUM	8	168.6
PEPRILUS BURTI	62	636.1
TOTALS 10	84	968.3

TRANSECT 2 STATION 4 N TRAWL 77 SPRING
06/03/77 TIME: 2214 SAMPLE CODE: BH0F
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STENOTOMUS CAPRINUS	1	3.3
SPHOEROIDES PARVUS	1	4.5
ETROPOS CROSSOTUS	1	5.0
UPENEUS PARVUS	2	8.7
PRIONOTUS STEARNSI	1	19.0
SAURIDA BRASILIENSIS	4	38.8
SYACIUM GUNTERI	5	45.9
RYPTICUS SAPONACEUS	1	48.2
PRISTIPOMOIDES AQUILONARIS	2	52.3
PRIONOTUS PARALATUS	14	53.4
TOTALS 10	32	279.1

TRANSECT 2 STATION 4 N TRAWL 77 SPRING
06/03/77 TIME: 2235 SAMPLE CODE: BHQI
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HREGMACEROS ATLANTICUS	1	1.0
PURICHTHYS POROSISSIMUS	1	5.7
PRIONOTUS STEARNSI	1	10.3
LEPOPHIDIUM GRAELLSI	3	23.5
ENGYOPHRYS SENTA	5	24.8
TRICHIURUS LEPTURUS	2	34.6
HULLMANNIA COMMUNIS	6	40.3
PRIONOTUS PARALATUS	17	50.9
SYNODUS POEYI	9	64.6
UROPHYCIS CIRRATUS	5	65.7
PRISTIPOMOIDES AQUILONARIS	3	67.9
SAURIDA BRASILIENSIS	8	76.8
CENTROPRESTIS PHILADELPHICA	2	82.4
UPENEUS PARVUS	25	99.7
SYACIUM GUNTERI	11	109.5
CYNOSCION ARENARIUS	1	131.6
SYNODUS FOETENS	2	132.2
STENOTOMUS CAPRINUS	76	195.6
TOTALS 18	178	1217.1

TRANSECT 2 STATION 4 N TRAWL 77 SPRING
06/03/77 TIME: 2300 SAMPLE CODE: BHQL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HREGMACEROS ATLANTICUS	2	2.4
LEPOPHIDIUM GRAELLSI	1	5.6
LAGUCEPHALUS LAEVIGATUS	2	8.2
PRIONOTUS STEARNSI	3	13.7
PEPRILUS HURTI	2	19.9
PRIONOTUS PARALATUS	7	20.4
HOPLUNNIS MACRURUS	2	22.0
ENGYOPHRYS SENTA	5	23.5
UROPHYCIS CIRRATUS	2	24.5
HARENGULA PENSACOLAE	1	28.9
TRICHIURUS LEPTURUS	1	29.6
HULLMANNIA COMMUNIS	6	30.5
SYNODUS POEYI	5	34.0
SAURIDA BRASILIENSIS	5	56.4
SYNODUS FOETENS	3	87.3
CYNOSCION ARENARIUS	1	96.2
SYACIUM GUNTERI	9	105.4
UPENEUS PARVUS	20	115.0
DIPLECTRUM BIVITTATUM	7	141.6
STENOTOMUS CAPRINUS	92	219.4
TOTALS 20	184	1085.3

TRANSECT 2 STATION 5 D TRAWL 77 SPRING
06/02/77 TIME: 1000 SAMPLE CODE: BHSC
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STENOTOMUS CAPRINUS	1	27.5
SERRANUS ATROBRANCHUS	5	76.2
VOMER SETAPINNIS	1	93.3
UPENEUS PARVUS	4	103.4
CENTROPRESTIS PHILADELPHICA	1	129.8
SYNODUS FOETENS	4	413.5
PRISTIPOMOIDES AQUILONARIS	9	668.7
PEPRILUS HURTI	84	942.5
TOTALS 8	109	2454.9

TRANSECT 2 STATION 5 D TRAWL 77 SPRING
06/02/77 TIME: 1029 SAMPLE CODE: BHSE
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STENOTOMUS CAPRINUS	1	24.5
TRACHURUS LATHAMI	275	365.5
PRISTIPOMOIDES AQUILONARIS	3	371.0
TOTALS 3	279	766.0

TRANSECT 2 STATION 5 N TRAWL 77 SPRING
06/03/77 TIME: 30 SAMPLE CODE: BHSJ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	4.0
CAULOLATILUS INTERMEDIUS	1	7.2
UROPHYCIS CIRRATUS	1	13.2
STENOTOMUS CAPRINUS	1	22.6
TRACHURUS LATHAMI	1	29.5
PURICHTHYS POROSISSIMUS	3	30.7
TRICHOPSETTA VENTRALIS	2	47.0
LEPOPHIDIUM GRAELLSI	2	52.8
PRIONOTUS PARALATUS	2	59.7
PRIONOTUS STEARNSI	7	81.5
PRIONOTUS RUBIO	2	49.3
CENTROPRESTIS PHILADELPHICA	3	197.6
SERRANUS ATROBRANCHUS	14	231.7
SYNODUS FOETENS	3	385.8
PRISTIPOMOIDES AQUILONARIS	6	430.9
UPENEUS PARVUS	9	567.5
TOTALS 16	58	2261.0

TRANSECT 2 STATION 5 N TRAWL 77 SPRING
06/03/77 TIME: 100 SAMPLE CODE: BHSM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CALLIONYMUS AGASSIZI	1	3.2
CAULOLATILUS INTERMEDIUS	1	11.4
PORICHTHYS POROSISSIMUS	2	13.2
GYMNACHIRUS TEXAE	1	17.3
HOPLUNNIS MACRURUS	1	17.5
PRIONOTUS PARALATUS	4	20.8
LEPOPHIDIUM GRAELLSI	1	26.5
SYNODUS POEYI	5	27.6
TRACHURUS LATHAMI	1	31.4
TRICHOPSETTA VENTRALIS	3	46.7
PRIONOTUS STEARNSI	4	54.0
UROPHYCIS FLORIDANUS	1	65.1
UROPHYCIS CIRRHATUS	4	69.0
CENTROPRISTIS PHILADELPHICA	1	126.4
UPENEUS PARVUS	5	143.3
STENOTOMUS CAPRINUS	6	245.8
PRISTIPOMOIDES AQUILONARIS	3	267.6
SERRANUS ATROBRANCHUS	21	347.9
SYNODUS FOETENS	3	582.7
TOTALS 19	68	2117.4

TRANSECT 2 STATION 5 N TRAWL 77 SPRING
06/03/77 TIME: 125 SAMPLE CODE: BHSP
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CALLIONYMUS AGASSIZI	3	11.8
HOPLUNNIS MACRURUS	1	13.0
UROPHYCIS CIRRHATUS	2	21.4
PRIONOTUS STEARNSI	2	22.9
SYNODUS POEYI	4	25.0
TRACHURUS LATHAMI	1	29.0
TRICHOPSETTA VENTRALIS	2	29.5
PORICHTHYS POROSISSIMUS	6	61.1
PRIONOTUS PARALATUS	2	71.2
SYNODUS FOETENS	1	82.1
LEPOPHIDIUM GRAELLSI	2	112.7
CENTROPRISTIS PHILADELPHICA	2	148.1
KATHETOSTOMA ALBIGUTTA	4	184.9
STENOTOMUS CAPRINUS	5	188.1
UPENEUS PARVUS	10	278.9
SERRANUS ATROBRANCHUS	21	354.0
TOTALS 16	68	1633.7

TRANSECT 2 STATION 6 D TRAWL 77 SPRING
06/02/77 TIME: 1235 SAMPLE CODE: RHUG
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SERRANUS ATROBRANCHUS	2	29.5
UPENEUS PARVUS	2	38.9
SCOMBER JAPONICUS	2	53.9
CAULOLATILUS INTERMEDIUS	1	89.7
PHIACANTHUS ARENATUS	1	196.4
PRISTIPOMOIDES AQUILONARIS	10	1124.8
TRACHURUS LATHAMI	336	4472.3
TOTALS 7	354	6425.5

TRANSECT 2 STATION 6 D TRAWL 77 SPRING
06/02/77 TIME: 1310 SAMPLE CODE: RHUJ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRACHURUS LATHAMI	16	223.6
TOTALS 1	16	223.6

TRANSECT 2 STATION 6 N TRAWL 77 SPRING
06/02/77 TIME: 2240 SAMPLE CODE: RHUN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
NEOBYTHITES GILLI	1	6.8
PHYSICULUS FULVUS	1	8.9
HOPLUNNIS MACRURUS	2	14.1
TRACHURUS LATHAMI	1	38.9
PRIONOTUS PARALATUS	2	47.9
UROPHYCIS CIRRHATUS	3	57.3
UPENEUS PARVUS	3	82.8
CENTROPRISTIS PHILADELPHICA	1	84.8
PONTINUS LONGISPINIS	2	86.7
EQUETUS ACUMINATUS	1	125.7
TRICHOPSETTA VENTRALIS	9	131.9
CAULOLATILUS INTERMEDIUS	1	133.0
SYNODUS FOETENS	1	266.0
SERRANUS ATROBRANCHUS	23	410.1
STENOTOMUS CAPRINUS	15	807.6
PRISTIPOMOIDES AQUILONARIS	14	1307.7
TOTALS 16	80	3610.2

TRANSECT 2 STATION 6 N TRAWL 77 SPRING
06/02/77 TIME: 2307 SAMPLE CODE: BH00
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PONTINUS LONGISPINIS	1	1.0
PORICHTHYS POROSISSIMUS	1	5.4
SYNODUS POEYI	1	6.9
TRICHOSETIA VENTRALIS	1	18.0
HOPLUNNIS MACRURUS	1	23.2
PRIONOTUS PARALATUS	1	31.3
UPENEUS PARVUS	2	52.9
EQUETUS ACUMINATUS	1	55.8
TRACHURUS LATHAMI	4	138.5
CENTROPRISTIS PHILADELPHICA	1	176.1
SERRANUS ATRORHANCHUS	24	427.5
PRISTIPOMOIDES AQUILONARIS	8	541.7
STENOTOMUS CAPRINUS	11	613.2
TOTALS 13	57	2093.5

TRANSECT 2 STATION 6 N TRAWL 77 SPRING
06/02/77 TIME: 2338 SAMPLE CODE: BH01
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CAULOLATILUS INTERMEDIUS	1	23.9
PONTINUS LONGISPINIS	2	26.4
PORICHTHYS POROSISSIMUS	2	27.7
HOPLUNNIS MACRURUS	2	28.7
LEPOPHIDIUM GRAELLSI	1	32.9
PRIONOTUS PARALATUS	1	50.0
TRICHOSETIA VENTRALIS	5	63.3
UPENEUS PARVUS	4	99.6
CENTROPRISTIS PHILADELPHICA	2	190.9
TRACHURUS LATHAMI	6	198.9
SERRANUS ATRORHANCHUS	19	320.3
STENOTOMUS CAPRINUS	13	559.0
PRISTIPOMOIDES AQUILONARIS	7	682.7
TOTALS 13	65	2305.1

TRANSECT 3 STATION 1 D TRAWL 77 SPRING
05/26/77 TIME: 920 SAMPLE CODE: BHWN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LUTJANUS CAMPECHANUS	1	23.2
VOMER SETAPINNIS	8	226.0
CYNUSCION NOTHUS	21	405.1
TRACHURUS LATHAMI	321	2734.5
PEPRILUS HURTI	369	2768.3
TOTALS 5	720	6157.9

TRANSECT 3 STATION 1 N TRAWL 77 SPRING
05/25/77 TIME: 2124 SAMPLE CODE: HHWR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNUSCION NOTHUS	1	18.2
POLYDACTYLUS OCTONEMUS	3	46.3
SYACIUM GUNTERI	4	60.2
SYMPHURUS CIVITATUS	3	74.4
TOTALS 4	11	199.1

TRANSECT 3 STATION 2 D TRAWL 77 SPRING
05/26/77 TIME: 1240 SAMPLE CODE: HHYN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SCUMBER JAPONICUS	1	17.9
CHLORUSCOMBRUS CHRYSURUS	1	29.6
SERRANUS ATRORHANCHUS	4	70.3
SYNODUS FOETENS	1	414.4
TRACHURUS LATHAMI	101	1096.1
TOTALS 5	108	1628.3

TRANSECT 3 STATION 2 N TRAWL 77 SPRING
05/26/77 TIME: 2330 SAMPLE CODE: BHYP
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PERISTEDION GRACILE	1	2.6
PORICHTHYS POROSISSIMUS	1	6.3
PRIONOTUS STEARNSI	1	12.3
SYNODUS POEYI	3	15.5
TRICHOSETIA VENTRALIS	1	15.6
HOPLUNNIS MACRURUS	1	24.9
TRACHURUS LATHAMI	1	34.6
CENTROPRISTIS PHILADELPHICA	1	44.0
PRIONOTUS HURIO	5	85.3
MIOPHYCIS FLORIDANUS	2	121.3
SERRANUS ATRORHANCHUS	11	164.5
PRISTIPOMOIDES AQUILONARIS	3	179.1
SYNODUS FOETENS	2	194.5
TOTALS 13	33	905.5

TRANSECT 3 STATION 3 D TRAWL 77 SPRING
05/26/77 TIME: 1730 SAMPLE CODE: HJAP
HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SERRANUS ATROBRANCHIUS	1	22.8
PRIONOTUS PARALATUS	1	31.9
TRACHURUS LATHAMI	2	61.2
PRISTIPOMOIDES AQUILONARIS	1	157.7
TOTALS 4	5	273.6

TRANSECT 3 STATION 3 N TRAWL 77 SPRING
05/26/77 TIME: 2105 SAMPLE CODE: BIAT
HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
KATHETOSTOMA ALBIGUTTA	1	26.1
TRICHOPSETTA VENTRALIS	2	27.4
PURICHTHYS POROSISSIMUS	5	34.2
UPENEUS PARVUS	1	41.8
UROPHYCIS FLORIDANUS	1	44.9
PRIONOTUS PARALATUS	4	107.0
TRACHURUS LATHAMI	3	110.0
STENOTOMUS CAPRINUS	4	169.0
CENTROPRISTIS PHILADELPHICA	2	225.9
SERRANUS ATROBRANCHIUS	16	328.1
PRISTIPOMOIDES AQUILONARIS	4	424.8
TOTALS 11	43	1539.2

TRANSECT 3 STATION 4 D TRAWL 77 SPRING
05/26/77 TIME: 730 SAMPLE CODE: BICG
HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
DIPLECTRUM BIVITTATUM	2	19.9
LUTJANUS CAMPECHANUS	9	194.0
CHLOROSCOMBUS CHRYSURUS	12	254.8
TOTALS 3	23	468.7

TRANSECT 3 STATION 4 N TRAWL 77 SPRING
05/25/77 TIME: 2300 SAMPLE CODE: BTCK
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PEPRILUS BURTI	1	9.8
POLYDACTYLUS OCTONEMUS	1	13.1
ANCYLOPSETTA QUADRACELLATA	1	13.3
LUTJANUS CAMPECHANUS	1	26.0
SYACIUM GUNTERI	2	43.9
LEIOSTOMUS XANTHURUS	1	73.9
SPHAERUDES PARVUS	14	101.8
LUTJANUS CAMPECHANUS	5	111.8
TOTALS 8	26	393.6

TRANSECT 3 STATION 5 D TRAWL 77 SPRING
05/24/77 TIME: 1830 SAMPLE CODE: B10Y
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UPENEUS PARVUS	1	8.1
DIPLECTRUM BIVITTATUM	1	27.8
SYACIUM GUNTERI	2	35.9
LUTJANUS CAMPECHANUS	1	49.8
PRIONOTUS STEARNSI	6	54.5
PRISTIPOMOIDES AQUILONARIS	9	149.0
SARRIDA BRASILIENSIS	16	157.9
PEPRILUS BURTI	57	490.6
TRACHURUS LATHAMI	96	709.3
TOTALS 9	189	1642.9

TRANSECT 3 STATION 5 N TRAWL 77 SPRING
05/24/77 TIME: 2010 SAMPLE CODE: B1EC
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	1.4
CENTROPRISTIS PHILADELPHICA	2	2.7
PRIONOTUS PARALATUS	2	3.7
SYNODUS POEYI	1	4.6
ETRUMEUS TENES	1	4.8
SCORPAENA CALCARTA	1	5.1
PEPRILUS BURTI	1	9.1
TRACHURUS LATHAMI	1	9.8
DIPLECTRUM BIVITTATUM	1	11.2
UPENEUS PARVUS	1	18.5
SYACIUM GUNTERI	4	37.3
LUTJANUS CAMPECHANUS	1	45.0
PRIONOTUS PARALATUS	1	49.0
PRISTIPOMOIDES AQUILONARIS	5	109.8
PRACANTHUS ARENATUS	1	162.5
PEPRILUS BURTI	2	224.0
PUNTINUS LONGISPINIS	7	484.3
TOTALS 17	53	1182.8

TRANSECT 3 STATION 6 D TRAWL 77 SPRING
05/26/77 TIME: 1825 SAMPLE CODE: B1FQ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ZENOPSTIS OCELLATA	1	20.4
TRICHOPSETTA VENTRALIS	1	22.1
SERRANUS ATROBRANCHIUS	5	97.8
TRACHURUS LATHAMI	2	101.0
SYNODUS FOETENS	1	267.3
STENOTOMUS CAPRINUS	14	578.1
PRISTIPOMOIDES AQUILONARIS	13	1530.5
TOTALS 7	37	2617.2

TRANSECT 3 STATION 6 N TRAWL 77 SPRING
05/26/77 TIME: 2025 SAMPLE CODE: BIFT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UROPHYCIS CIRRHATUS	2	90.9
TRICHOPSETTA VENTRALIS	7	132.0
PRIONOTUS PARALATUS	5	194.2
SERRANUS ATROBRANCHUS	9	205.1
TRACHURUS LATHAMI	6	308.4
STENOTOMUS CAPRINUS	13	834.0
PRISTIPOMOIDES AQUILONARIS	13	1475.0
TOTALS 7	55	3239.6

TRANSECT 4 STATION 1 D TRAWL 77 SPRING
05/25/77 TIME: 920 SAMPLE CODE: BIHN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANCHOA LYOLEPIS	1	2.5
HARENGULA PENSACOLAE	1	7.6
PRISTIPOMOIDES AQUILONARIS	3	37.9
DIPLECTRUM BIVITTATUM	4	94.4
SCOMBER JAPONICUS	18	240.4
ETRUMBUS TENES	53	367.7
TRACHURUS LATHAMI	424	4280.4
PEPRILUS HURTI	1018	6750.0
TOTALS 8	1522	11780.9

TRANSECT 4 STATION 1 N TRAWL 77 SPRING
05/25/77 TIME: 337 SAMPLE CODE: BIHR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SCOMBER JAPONICUS	1	6.0
SPHOEROIDES PARVUS	2	7.2
SAURIDA BRASILIENSIS	1	9.3
ANTENNARIUS RADIOSUS	3	11.5
SYNODUS FOETENS	1	13.9
LUTJANUS CAMPECHANUS	1	14.8
SYACIUM GUNTERI	2	18.2
PRISTIPOMOIDES AQUILONARIS	2	29.3
STENOTOMUS CAPRINUS	1	31.8
POKICHTHYS POROSISSIMUS	3	33.1
TOTALS 10	17	175.1

TRANSECT 4 STATION 2 D TRAWL 77 SPRING
05/24/77 TIME: 805 SAMPLE CODE: BIJN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRISTIPOMOIDES AQUILONARIS	1	11.3
PRIONOTUS STEARNSI	2	19.1
SYACIUM GUNTERI	1	32.6
SERRANUS ATROBRANCHUS	6	105.6
SYNODUS FOETENS	3	374.0
TRACHURUS LATHAMI	68	1335.8
TOTALS 6	81	1878.4

TRANSECT 4 STATION 2 N TRAWL 77 SPRING
05/25/77 TIME: 45 SAMPLE CODE: BIJR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS PARALATUS	6	11.8
SYNODUS PUEYI	2	13.0
OGCOEPHALUS SPECIES	1	14.0
SPHOEROIDES PARVUS	3	16.9
PRIONOTUS STEARNSI	2	19.3
UROPHYCIS CIRRHATUS	2	44.1
LUTJANUS CAMPECHANUS	2	50.0
SYACIUM GUNTERI	2	57.3
UROPHYCIS FLORIDANUS	2	107.1
PRIONOTUS RHODI	3	118.8
SYNODUS FOETENS	1	120.7
CENTROPHISTIS PHILADELPHICA	2	174.3
SERRANUS ATROBRANCHUS	10	182.7
TOTALS 13	38	930.0

TRANSECT 4 STATION 3 D TRAWL 77 SPRING
05/24/77 TIME: 1405 SAMPLE CODE: BILQ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SERRANUS ATROBRANCHUS	2	35.6
TRACHURUS LATHAMI	1	51.1
CAULOLATILUS INTERMEDIUS	1	132.8
LAGOON RHOMBOIDES	2	196.3
CYNOSCION ARENARIUS	1	212.4
SYNODUS FOETENS	2	230.4
PRISTIPOMOIDES AQUILONARIS	8	866.6
STENOTOMUS CAPRINUS	27	978.8
TOTALS 8	44	2704.0

TRANSECT 4 STATION 3 N TRAWL 77 SPRING
05/24/77 TIME: 2025 SAMPLE CODE: BILU
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UROPHYCIS CIRRHATUS	1	12.7
CENTROPHISTIS PHILADELPHICA	1	71.0
SERRANUS ATROHANCHUS	5	78.0
MULLUS AURATUS	1	88.1
UROPHYCIS FLORIDANUS	2	103.5
EQUETUS ACUMINATUS	1	105.4
CAULOLATILUS INTERMEDIUS	1	106.3
TRACHURUS LATHAMI	2	106.8
SYNODUS FUETENS	1	112.1
PRACANTHUS ARENATUS	1	169.2
PRISTIPOMOIDES AQUILONARIS	5	295.5
STENOTOMUS CAPRINUS	24	833.7
TOTALS 12	45	2083.1

TRANSECT 4 STATION 4 D TRAWL 77 SPRING
05/25/77 TIME: 720 SAMPLE CODE: BINH
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
DIPLECTRUM HITTATUM	1	10.9
ANCHOA HEPSETUS	1	12.7
UPENEUS PARVUS	1	13.8
POLYDACTYLUS OCTONEMUS	1	17.0
MICROPOGON UNDULATUS	2	18.7
TRACHURUS LATHAMI	1	21.1
HARENGULA PENSACOLAE	5	104.8
CYNOSEION NOTHUS	7	192.3
LEIOSTOMUS XANTHURUS	4	214.0
CHLOROSCOMBRUS CHRYSURUS	302	4732.2
TOTALS 10	325	5330.3

TRANSECT 4 STATION 4 N TRAWL 77 SPRING
05/25/77 TIME: 435 SAMPLE CODE: BINL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOERIDES PARVUS	1	3.6
VOMER SETAPINNIS	2	3.8
POLYDACTYLUS OCTONEMUS	2	12.2
ANCYLOPSETTA QUADROCELLATA	1	16.0
PRISTIPOMOIDES AQUILONARIS	1	17.2
LUTJANUS CAMPECHANUS	2	25.7
CYNOSEION NOTHUS	2	33.8
PRIONOTUS RUBIO	3	39.3
CHLOROSCOMBRUS CHRYSURUS	4	64.6
LEIOSTOMUS XANTHURUS	4	121.9
MICROPOGON UNDULATUS	39	450.4
TOTALS 11	61	768.5

TRANSECT 4 STATION 5 D TRAWL 77 SPRING
05/25/77 TIME: 1150 SAMPLE CODE: B10V
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HARENGULA PENSACOLAE	1	28.0
PRISTIPOMOIDES AQUILONARIS	7	129.1
SCOMBER JAPONICUS	12	216.1
TRACHURUS LATHAMI	79	998.2
PEPRILUS HURTI	62	1166.5
TOTALS 5	161	2537.9

TRANSECT 4 STATION 5 N TRAWL 77 SPRING
05/25/77 TIME: 230 SAMPLE CODE: B10Z
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STENOTOMUS CAPRINUS	1	.6
HOLLMANNA COMMUNIS	1	1.2
SERRANUS ATROHANCHUS	1	3.3
ETRUMEUS TERES	1	4.6
ENGYOPHRYS SENTA	1	8.7
PORICHTHYS POROSISSIMUS	1	9.2
SAURIDA BRASILIENSIS	1	14.0
UROPHYCIS CIRRHATUS	2	20.5
UROPHYCIS FLORIDANUS	1	22.5
ANTENNARIUS RADIOSUS	7	27.8
PRIONOTUS STEANNST	5	36.7
PRISTIPOMOIDES AQUILONARIS	3	44.0
PRIONOTUS RUBIO	3	96.2
TOTALS 13	28	289.3

TRANSECT 4 STATION 6 D TRAWL 77 SPRING
05/24/77 TIME: 1145 SAMPLE CODE: B10M
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOERIDES PARVUS	1	22.5
PRIONOTUS PARALATUS	1	45.1
TRACHURUS LATHAMI	4	63.3
STENOTOMUS CAPRINUS	4	129.6
SYNODUS FUETENS	1	154.3
CENTROPHISTIS PHILADELPHICA	1	167.0
LUTJANUS CAMPECHANUS	4	197.3
PRISTIPOMOIDES AQUILONARIS	4	208.0
CAULOLATILUS INTERMEDIUS	2	232.6
PRACANTHUS ARENATUS	3	610.3
UNAPSI SECUNDA	1	4320.0
TOTALS 11	26	6150.0

TRANSECT 4 STATION 6 N TRAWL 77 SPRING
05/24/77 TIME: 2135 SAMPLE CODE: B100
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ENGYOPHRYS SENTA	1	5.1
CALLIONYMUS AGASSIZI	1	8.3
UROPHYCIS CIRRATUS	1	16.1
SPHOEROTIDES PARVUS	3	28.3
SYACIUM GUNTERI	2	48.0
TRACHURUS LATHAMI	1	53.8
ANCYLOPSETTA DILECTA	1	70.9
SYNODUS FOETENS	1	82.9
SERHANUS ATROBRANCHUS	6	96.2
LUTJANUS CAMPECHANUS	3	181.2
CENTROPRISTIS PHILADELPHICA	3	198.0
PRIACANTHUS ARENATUS	2	233.5
PRISTIPOMOIDES AQUILONARIS	4	261.7
HAJA TEXANA	1	309.8
STENOTOMUS CAPRINUS	8	321.3
TOTALS 15	38	1915.1

TRANSECT 4 STATION 7 D TRAWL 77 SPRING
05/24/77 TIME: 1710 SAMPLE CODE: B18D
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CAULOLATILUS INTERMEDIUS	1	107.9
UPENEUS PARVUS	3	114.3
CENTROPRISTIS PHILADELPHICA	1	139.9
SYNODUS FOETENS	1	158.2
PSENEUS PELLUCIDUS	8	178.2
SERHANUS ATROBRANCHUS	14	298.3
TRACHURUS LATHAMI	7	344.8
PRISTIPOMOIDES AQUILONARIS	31	2993.8
TOTALS 8	66	4334.6

TRANSECT 4 STATION 7 N TRAWL 77 SPRING
05/24/77 TIME: 2135 SAMPLE CODE: B18H
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PHYSICULUS FULVUS	1	6.6
HALIEUTICHTHYS ACULEATUS	2	12.8
PONTINUS LONGISPINIS	1	14.8
UGCOEPHALUS SPECIES	2	38.6
PRIONOTUS PARALATUS	2	47.0
MEMBRUPS ANATINOSTRIS	1	63.2
GUNTERICHTHYS LONGIPENIS	2	64.7
TRICHOPSETTA VENTRALIS	5	82.1
TRACHURUS LATHAMI	2	100.0
STEINDACHNERIA ARGENTEA	7	144.1
UROPHYCIS FLORIDANUS	1	149.7
UROPHYCIS CIRRATUS	15	400.7
SERHANUS ATROBRANCHUS	53	1104.4
PRISTIPOMOIDES AQUILONARIS	64	5103.2
TOTALS 14	158	7371.9

TRANSECT 2 STATION 1 N TRAWL 77 JULY
07/08/77 TIME: 2045 SAMPLE CODE: BLKA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCION NUTHUS	1	2.1
SPHOEROTIDES PARVUS	7	5.7
MICROPUGON UNDULATUS	1	8.1
PORICHTHYS POROSISSTIMUS	1	10.9
UPENEUS PARVUS	1	13.8
ANCHOA HEPSEIUS	2	32.3
LEPOPHIDIUM GRAELLSI	2	34.5
PRIONOTUS RUBIO	6	41.9
CENTROPRISTIS PHILADELPHICA	12	49.4
CYNOSCION ARENARIUS	11	58.8
TRACHURUS LATHAMI	7	77.3
SYNODUS FOETENS	3	102.5
SYACIUM GUNTERI	9	108.3
STENOTOMUS CAPRINUS	23	170.6
PEPRILUS BURTI	39	518.7
TOTALS 15	125	1234.9

TRANSECT 2 STATION 1 N TRAWL 77 JULY
07/08/77 TIME: 2120 SAMPLE CODE: BLKD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LAGOCEPHALUS LAEVIGATUS	1	1.2
SPHOEROTIDES PARVUS	2	2.1
HEGMACENOS ATLANTICUS	2	2.3
PEPRILUS BURTI	1	6.2
TRACHURUS LATHAMI	1	10.1
SAURIDA BRASILIENSIS	2	13.6
PRIONOTUS RUBIO	3	20.0
LEPOPHIDIUM GRAELLSI	2	25.6
ANCYLOPSETTA QUADROCELLATA	1	26.1
TRICHOPSETTA VENTRALIS	4	26.9
CYNOSCION ARENARIUS	11	60.7
UPENEUS PARVUS	11	122.2
SYNODUS FOETENS	3	180.1
STENOTOMUS CAPRINUS	31	217.8
TOTALS 14	75	714.9

TRANSECT 2 STATION 1 N TRAWL 77 JULY
07/08/77 TIME: 2145 SAMPLE CODE: HLKJ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CENTROPRISTIS PHILADELPHICA	1	2.1
SYNODUS POEYI	1	7.2
SAURIDA BRASILIENSIS	1	11.8
CYNOSEION NOTHUS	4	15.3
ANCHOA HEPSETUS	1	21.5
CYNOSEION ARENARIUS	2	21.8
LEPOPHIDIUM GRAELLSI	2	36.2
SYACIUM GUNTERI	3	52.1
UPENEUS PARVUS	7	72.9
SYNODUS FOETENS	2	86.4
STENOTOMUS CAPRINUS	13	99.3
TRACHURUS LATHAMI	16	176.7
PEPRILUS BURTI	31	393.7
TOTALS 13	84	997.0

TRANSECT 2 STATION 2 N TRAWL 77 JULY
07/08/77 TIME: 2355 SAMPLE CODE: BLKR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOERODES PARVUS	2	5.0
ETROPUS CROSSOTUS	1	5.3
UROPHYCIS CIRRATUS	1	8.0
BULLMANNIA COMMUNIS	2	9.3
PORICHTHYS POROSISSIMUS	4	22.4
PEPRILUS BURTI	2	26.4
TRICHOSETTA VENTRALIS	1	28.2
ANCYLOPSETTA DILECTA	2	29.1
SAURIDA BRASILIENSIS	4	31.3
LEPOPHIDIUM GRAELLSI	3	38.3
PRIONOTUS STEARNSI	5	58.3
SYNODUS POEYI	9	54.2
PRIONOTUS PARALATUS	24	112.8
SYACIUM GUNTERI	11	136.9
CYCLOPSETTA CHITTENDENI	1	158.1
CYNOSEION NOTHUS	2	169.9
TRACHURUS LATHAMI	19	188.8
SYNODUS FOETENS	4	189.4
CENTROPRISTIS PHILADELPHICA	16	218.1
SERRANUS ATROHRANCHUS	27	357.4
TOTALS 24	140	1839.2

TRANSECT 2 STATION 2 N TRAWL 77 JULY
07/09/77 TIME: 20 SAMPLE CODE: BLKU
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOERODES PARVUS	1	4.8
SAURIDA BRASILIENSIS	1	7.3
TRACHURUS LATHAMI	1	9.2
PEPRILUS BURTI	1	18.1
ETROPUS CROSSOTUS	2	18.3
PRIONOTUS STEARNSI	3	19.9
LEPOPHIDIUM GRAELLSI	1	48.0
ANCYLOPSETTA DILECTA	3	53.4
UROPHYCIS FLORIDANUS	1	56.4
SYNODUS POEYI	8	65.6
SERRANUS ATROHRANCHUS	6	66.9
PRISTIPOMOIDES ANULONARIS	2	69.5
PRIONOTUS PARALATUS	26	138.1
CENTROPRISTIS PHILADELPHICA	5	183.0
SYNODUS FOETENS	3	212.5
SYACIUM GUNTERI	11	366.9
TOTALS 16	75	1321.9

TRANSECT 2 STATION 2 N TRAWL 77 JULY
07/09/77 TIME: 55 SAMPLE CODE: BLKX
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CENTROPRISTIS PHILADELPHICA	1	3.2
BULLMANNIA COMMUNIS	1	3.6
UROPHYCIS CIRRATUS	1	8.2
LEPOPHIDIUM GRAELLSI	1	13.1
PORICHTHYS POROSISSIMUS	2	28.5
PEPRILUS BURTI	2	38.1
SYNODUS POEYI	3	38.8
PRIONOTUS RUBIO	1	31.2
PRISTIPOMOIDES ANULONARIS	1	39.2
TRACHURUS LATHAMI	5	54.6
ANCYLOPSETTA DILECTA	4	55.8
PRIONOTUS PARALATUS	12	66.7
PRIONOTUS STEARNSI	9	89.1
SERRANUS ATROHRANCHUS	9	93.9
UROPHYCIS FLORIDANUS	2	108.8
SYACIUM GUNTERI	9	122.8
CYCLOPSETTA CHITTENDENI	1	151.3
SYNODUS FOETENS	3	254.7
TOTALS 18	67	1169.6

TRANSECT 2 STATION 3 N TRAWL 77 JULY
 07/09/77 TIME: 407 SAMPLE CODE: 8LLI
 HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANCHOA LYOLEPIS	1	2.2
PEPRILUS BURTI	1	8.4
NEOBYTHITES GILLI	2	9.0
PHYSICULUS FULVUS	2	11.2
TRACHURUS LATHAMI	2	12.7
HALIEUTICHTHYS ACULEATUS	4	26.9
EQUETUS ACUMINATUS	1	36.5
UPENEUS PARVUS	1	64.2
BROTULA BARBATA	1	78.4
PRIONOTUS RUBIO	1	82.4
UROPHYCIS CIRRATUS	5	82.6
PORICHTHYS POROSISSIMUS	5	103.0
KATHETOSTOMA ALBIGUTTA	1	106.5
UGCOCEPHALUS SPECIES	2	120.6
LEPOPHIDIUM GRAELLSI	2	127.4
UROPHYCIS FLORIDANUS	1	147.4
CAULOLATILUS INTERMEDIUS	3	293.9
CENTROPRISTIS PHILADELPHICA	5	486.5
TRICHOPSETTA VENTRALIS	21	487.1
SERRANUS ATROBRANCHUS	36	511.2
PRIONOTUS PARALATUS	17	513.0
STENOTOMUS CAPRINUS	22	1110.5
PRISTIPOMOIDES AQUILONARIS	18	1633.7
TOTALS 23	154	6055.3

TRANSECT 2 STATION 3 N TRAWL 77 JULY
 07/09/77 TIME: 407 SAMPLE CODE: 8LLL
 HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	4	27.2
LEPOPHIDIUM GRAELLSI	1	29.5
ANCYLOPSETTA DILECTA	1	48.2
KATHETOSTOMA ALBIGUTTA	2	80.3
PORICHTHYS POROSISSIMUS	4	84.3
STELLIFER LANCEOLATUS	2	94.7
BROTULA BARBATA	1	98.0
UROPHYCIS CIRRATUS	6	136.1
TRICHOPSETTA VENTRALIS	10	173.0
CYCLOPSETTA CHITTENDENI	1	206.5
UROPHYCIS FLORIDANUS	2	216.1
CENTROPRISTIS PHILADELPHICA	4	226.9
PRIONOTUS PARALATUS	7	266.4
SERRANUS ATROBRANCHUS	36	637.9
PRISTIPOMOIDES AQUILONARIS	15	1183.4
STENOTOMUS CAPRINUS	34	1723.0
TOTALS 16	130	5231.5

TRANSECT 2 STATION 3 N TRAWL 77 JULY
 07/09/77 TIME: 407 SAMPLE CODE: 8LLO
 HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	12.3
UPENEUS PARVUS	1	24.0
LEPOPHIDIUM GRAELLSI	1	31.3
ANCYLOPSETTA DILECTA	5	79.8
BROTULA BARBATA	1	109.9
UROPHYCIS CIRRATUS	5	124.2
LAGODON RHOMBOIDES	1	128.2
PRIONOTUS PARALATUS	5	154.1
TRICHOPSETTA VENTRALIS	12	187.6
CENTROPRISTIS PHILADELPHICA	2	253.0
SERRANUS ATROBRANCHUS	37	760.5
PRISTIPOMOIDES AQUILONARIS	14	1087.7
STENOTOMUS CAPRINUS	37	1744.8
TOTALS 13	122	4697.4

TRANSECT 2 STATION 1 N TRAWL 77 AUGUST
 08/06/77 TIME: 2150 SAMPLE CODE: 8MVX
 HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
GYMNACHIRUS TEXAE	1	12.9
UPENEUS PARVUS	1	13.6
PEPRILUS BURTI	1	14.9
PRIONOTUS RUBIO	1	15.1
PORICHTHYS POROSISSIMUS	2	31.9
STENOTOMUS CAPRINUS	2	32.2
SPHOERUIDES PARVUS	8	33.6
CYNOSCION NOTHUS	2	41.1
PRIONOTUS TRIBULUS	1	42.0
SYACIUM GUNTERI	3	48.1
CYNOSCION ARENARIUS	2	126.5
MICROPOGON UNDULATUS	6	151.5
POLYDACTYLUS OCTONEMUS	15	412.4
TOTALS 13	45	975.8

TRANSECT 2 STATION 1 N TRAWL 77 AUGUST
 08/06/77 TIME: 2210 SAMPLE CODE: BMWA
 HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
DIPLECTRUM BIVITTATUM	1	4.3
SAURIDA BRASILIENSIS	1	7.1
PORICHTHYS POROSISSIMUS	1	9.4
CENTROPHISTIS PHILADELPHICA	2	11.2
PEPRILUS BURTI	1	14.3
UPENEUS PARVUS	1	16.2
LEPOPHIDIUM GRAELLSI	1	18.1
SYNODUS FOETENS	1	24.0
SYACIUM GUNTERI	3	34.2
SPHOEROIDES PARVUS	19	62.4
CYNOSCION ARENARIUS	4	65.2
CYNOSCION NOTHUS	2	91.7
POLYDACTYLUS OCTONEMUS	23	562.8
MICROPOGON UNDULATUS	43	1285.4
TOTALS 14	103	2206.3

TRANSECT 2 STATION 1 N TRAWL 77 AUGUST
 08/06/77 TIME: 2230 SAMPLE CODE: BMWD
 HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BULLMANNIA COMMUNIS	2	5.0
SYNODUS POEYI	1	7.9
PEPRILUS BURTI	1	12.0
LEPOPHIDIUM GRAELLSI	1	14.9
CENTROPHISTIS PHILADELPHICA	6	29.9
PRIONOTUS RUBIO	3	38.3
CYNOSCION ARENARIUS	2	51.7
SYACIUM GUNTERI	7	105.4
CYNOSCION NOTHUS	3	158.8
SPHOEROIDES PARVUS	56	169.3
POLYDACTYLUS OCTONEMUS	43	603.1
MICROPOGON UNDULATUS	37	827.5
TOTALS 12	162	2018.8

TRANSECT 2 STATION 2 N TRAWL 77 AUGUST
 08/07/77 TIME: 45 SAMPLE CODE: BMW0
 HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PORICHTHYS POROSISSIMUS	1	4.1
HULLMANNIA COMMUNIS	1	7.0
SYNODUS POEYI	2	10.8
SPHOEROIDES PARVUS	3	14.3
CAULOLATILUS INTERMEDIUS	1	28.7
PRISTIPOMOIDES AQUILONARIS	1	30.6
PRIONOTUS STEARNSI	6	37.1
SAURIDA BRASILIENSIS	4	38.8
STENOTOMUS CAPRINUS	3	39.3
PRIONOTUS PARALATUS	6	46.5
SYACIUM GUNTERI	2	46.9
SYNODUS FOETENS	2	83.7
GYMNOTHORAX NIGROMARGINATUS	1	95.0
SERRANUS ATROBRANCHUS	13	127.0
CENTROPHISTIS PHILADELPHICA	18	139.4
TOTALS 15	64	747.2

TRANSECT 2 STATION 2 N TRAWL 77 AUGUST
 08/07/77 TIME: 112 SAMPLE CODE: BMWR
 HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS FOETENS	1	2.2
BULLMANNIA COMMUNIS	2	10.3
STENOTOMUS CAPRINUS	1	11.3
ANCYLOPSETTA DILECTA	1	19.6
SERRANUS ATROBRANCHUS	9	45.0
SAURIDA BRASILIENSIS	4	45.6
SYACIUM GUNTERI	3	60.1
PRIONOTUS STEARNSI	6	60.6
PRIONOTUS PARALATUS	8	66.5
LEPOPHIDIUM GRAELLSI	3	69.2
CENTROPHISTIS PHILADELPHICA	12	127.5
SYNODUS POEYI	2	178.3
TOTALS 12	52	696.2

TRANSECT 2 STATION 2 N TRAWL 77 AUGUST
08/07/77 TIME: 129 SAMPLE CODE: HMWJ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYMPHURUS PLAGIOSA	1	15.4
PRIONOTUS STEARNSI	2	15.7
TRACHURUS LATHAMI	1	16.2
STENOTOMUS CAPRINUS	2	19.3
SYNODUS POEYI	4	25.5
LEPOPHIDIUM GRAELLSI	2	32.8
SYACIUM GUNTERI	3	73.2
CYCLOPSETTA CHITTENDENI	1	79.1
PRIONOTUS PARALATUS	11	82.5
SAURIDA BRASILIENSIS	10	106.5
CENTROPRISTIS PHILADELPHICA	12	155.4
SERRANUS ATROBRANCHUS	25	229.5
SYNODUS FOETENS	4	240.4
TOTALS 13	78	1091.5

TRANSECT 2 STATION 3 N TRAWL 77 AUGUST
08/04/77 TIME: 2322 SAMPLE CODE: BMXF
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	.9
HOPLUNNIS MACRURUS	2	5.9
HALIEUTICHMYS ACULEATUS	1	6.1
KATHETOSTOMA ALBIGUTTA	1	21.2
PONTINUS LONGISPINIS	1	27.2
LEPOPHIDIUM GRAELLSI	1	39.8
UROPHYCIS CINRATUS	2	73.0
TRACHURUS LATHAMI	3	94.8
TRICHOPSETTA VENTRALIS	9	151.0
PEPRILUS BURTI	2	179.2
CENTROPRISTIS PHILADELPHICA	2	184.0
UPENEUS PARVUS	8	268.9
PRIONOTUS PARALATUS	16	400.4
LAGODON RHOMBOIDES	6	514.9
SERRANUS ATROBRANCHUS	61	1227.6
PRISTIPOMOIDES AQUILONARIS	17	1535.7
STENOTOMUS CAPRINUS	47	2738.0
TOTALS 17	180	7468.6

TRANSECT 2 STATION 3 N TRAWL 77 AUGUST
08/04/77 TIME: 2348 SAMPLE CODE: HMXI
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LEPOPHIDIUM GRAELLSI	1	20.1
CUNGRINA FLAVA	1	36.6
BEMBROPS ANATIROSTRIS	3	87.6
KATHETOSTOMA ALBIGUTTA	2	122.6
TRACHURUS LATHAMI	4	124.1
UPENEUS PARVUS	5	137.4
PONTINUS LONGISPINIS	5	148.7
LAGODON RHOMBOIDES	2	159.3
PRIONOTUS RUBIO	2	159.7
ANCYLOPSETTA DILECTA	4	182.8
TRICHOPSETTA VENTRALIS	13	455.4
SCORPAENA BRASILIENSIS	1	537.9
PRIONOTUS PARALATUS	19	596.0
SERRANUS ATROBRANCHUS	69	1406.0
PRISTIPOMOIDES AQUILONARIS	19	1714.1
STENOTOMUS CAPRINUS	44	2677.7
TOTALS 16	194	8566.0

TRANSECT 2 STATION 3 N TRAWL 77 AUGUST
08/04/77 TIME: 24 SAMPLE CODE: BMXL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	12.9
UPENEUS PARVUS	1	27.2
ANCYLOPSETTA DILECTA	1	60.4
PRIONOTUS RUBIO	1	73.0
KATHETOSTOMA ALBIGUTTA	1	90.0
UROPHYCIS FLORIDANUS	1	101.0
TRACHURUS LATHAMI	4	117.9
CENTROPRISTIS PHILADELPHICA	1	174.2
EQUETUS ACUMINATUS	4	207.8
PONTINUS LONGISPINIS	7	209.6
UROPHYCIS CINRATUS	3	210.3
TRICHOPSETTA VENTRALIS	13	221.9
PRIONOTUS PARALATUS	14	372.4
SERRANUS ATROBRANCHUS	75	635.2
PRISTIPOMOIDES AQUILONARIS	36	2120.8
STENOTOMUS CAPRINUS	61	2797.5
TOTALS 16	224	7431.3

TRANSECT 2 STATION 3 N TRAWL 77 FALL
10/05/77 TIME: 2045 SAMPLE CODE: HPWA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UROPHYCIS CIRRATUS	1	21.6
TRICHOPSETTA VENTRALIS	2	43.3
ANCYLOPSETTA DILECTA	1	52.3
UPENEUS PARVUS	2	66.5
SERRANUS ATROBRANCHUS	6	117.3
PONTINUS LONGISPINIS	8	314.2
PRIONOTUS PARALATUS	39	563.2
PRISTIPOMOIDES AQUILONARIS	6	592.9
STENOTOMUS CAPRINUS	16	989.9
TOTALS 9	81	2761.2

TRANSECT 2 STATION 3 N TRAWL 77 FALL
10/05/77 TIME: 2043 SAMPLE CODE: BPWD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS PARALATUS	1	34.9
ANCYLOPSETTA DILECTA	1	104.0
SERRANUS ATROBRANCHUS	1	133.8
STENOTOMUS CAPRINUS	3	222.4
TOTALS 4	6	495.1

TRANSECT 2 STATION 3 N TRAWL 77 FALL
10/05/77 TIME: 2200 SAMPLE CODE: RPWG
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UROPHYCIS CIRRATUS	1	28.7
GEMBRUPS ANATIROSTRIS	1	34.0
UPENEUS PARVUS	1	47.3
SERRANUS ATROBRANCHUS	3	59.3
PONTINUS LONGISPINIS	2	64.7
ANCYLOPSETTA DILECTA	1	102.6
PRIONOTUS PARALATUS	14	204.5
PRISTIPOMOIDES AQUILONARIS	3	423.7
STENOTOMUS CAPRINUS	7	543.6
TOTALS 9	33	1468.4

TRANSECT 2 STATION 4 D TRAWL 77 FALL
10/04/77 TIME: 1217 SAMPLE CODE: BPXS
HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ENGYOPHRYS SENTA	1	3.0
HOLLMANNIA COMMUNIS	1	6.0
SAURIDA BRASILIENSIS	1	11.7
PURICHTHYS POROSISSIMUS	1	13.5
ANCHOA HEPSETUS	1	14.7
CENTROPHISTIS PHILADELPHICA	1	19.6
TRACHURUS LATHAMI	1	31.7
CYCLOPSETTA CHITTENDENI	1	55.4
PRIONOTUS RUBID	2	60.4
MICROPUGON UNDULATUS	2	93.9
PULYDACTYLUS OCTONEMUS	2	99.3
SYNODUS FOETENS	3	115.4
TRICHIURUS LEPTURUS	2	139.9
DIPLECTRUM BIVITTATUM	15	152.0
LUTJANUS CAMPECHANUS	16	210.1
CYNOSCION ARENARIUS	5	256.3
SYACIUM GUNIERI	15	272.2
VOMER SETAPINNIS	6	666.2
HARENGULA PENSACOLAE	27	696.5
PEPRILUS BURTI	22	745.1
TOTALS 20	125	3662.9

TRANSECT 2 STATION 4 D TRAWL 77 FALL
10/04/77 TIME: 1243 SAMPLE CODE: BPXV
HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SERRANUS ATROBRANCHUS	1	7.0
PURICHTHYS POROSISSIMUS	1	15.1
SAURIDA BRASILIENSIS	5	29.2
TRACHURUS LATHAMI	1	39.2
LAGODON RHUMBOIDES	1	46.4
MICROPUGON UNDULATUS	1	48.4
ANCHOA HEPSETUS	5	65.5
CHLOROSCOMBRUS CHRYSURUS	2	92.7
SCOMBOMORUS CAVALLA	2	99.0
TRICHIURUS LEPTURUS	1	113.3
DIPLECTRUM BIVITTATUM	14	150.8
VOMER SETAPINNIS	1	164.3
LUTJANUS CAMPECHANUS	14	242.0
SYNODUS FOETENS	7	247.1
PEPRILUS BURTI	37	1471.7
CYNOSCION ARENARIUS	28	1744.6
PULYDACTYLUS OCTONEMUS	33	1763.2
HARENGULA PENSACOLAE	120	2941.6
TOTALS 18	274	9281.1

TRANSECT 2 STATION 4 N TRAWL 77 FALL
10/04/77 TIME: 2116 SAMPLE CODE: BPXZ
HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HOPLUNNIS MACRURUS	1	1.4
PORICHTHYS POROSISSIMUS	1	6.3
SAURIDA BRASILIENSIS	1	7.6
HOLLMANNIA COMMUNIS	1	8.0
LUTJANUS CAMPECHANUS	3	25.5
CYNOSEION NOTHUS	12	25.8
CYCLOPSETTA CHITTENDENI	3	47.9
CENTROPRISTIS PHILADELPHICA	3	48.2
SYNODUS FOETENS	2	107.8
PRIONOTUS RUBIO	5	166.6
SYACIUM GUNTERI	21	309.9
DIPLECTRUM BIVITTATUM	48	418.8
POLYDACTYLUS OCTONEMUS	9	510.6
MICROPYGON UNDULATUS	15	739.9
TOTALS 14	125	2424.3

TRANSECT 2 STATION 4 N TRAWL 77 FALL
10/04/77 TIME: 2142 SAMPLE CODE: BPYX
HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	2.2
GYMNACHIRUS TEXAE	1	10.5
HOLLMANNIA COMMUNIS	2	10.6
CENTROPRISTIS PHILADELPHICA	1	21.7
CYCLOPSETTA CHITTENDENI	1	35.4
SYACIUM GUNTERI	4	42.8
CYNOSEION NOTHUS	35	50.9
LEIOSTOMUS XANTHURUS	1	52.0
PRIONOTUS RUBIO	2	97.6
DIPLECTRUM BIVITTATUM	18	168.9
POLYDACTYLUS OCTONEMUS	8	426.9
CYNOSEION ARENARIUS	6	657.4
MICROPYGON UNDULATUS	20	803.9
TOTALS 13	100	2380.8

TRANSECT 2 STATION 4 N TRAWL 77 FALL
10/04/77 TIME: 2208 SAMPLE CODE: BPYF
HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ETROPLUS CROSSOTUS	1	6.8
OGUCEPHALUS SPECIES	1	7.1
GYMNACHIRUS TEXAE	1	9.8
HOLLMANNIA COMMUNIS	3	16.0
LUTJANUS CAMPECHANUS	3	30.7
CITHARICHTHYS SPILOPTERUS	2	31.3
LARIMUS FASCIATUS	1	33.9
LAGODON RHUMHOIDES	1	40.1
CYNOSEION NOTHUS	35	52.5
PRIONOTUS RUBIO	4	93.1
SYNODUS FOETENS	1	118.2
CENTROPRISTIS PHILADELPHICA	5	161.5
SYACIUM GUNTERI	11	163.5
DIPLECTRUM BIVITTATUM	38	296.2
MICROPYGON UNDULATUS	13	523.0
POLYDACTYLUS OCTONEMUS	16	813.5
CYNOSEION ARENARIUS	7	865.0
TOTALS 17	143	3262.2

TRANSECT 2 STATION 5 D TRAWL 77 FALL
10/05/77 TIME: 1219 SAMPLE CODE: BPZR
HLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	6.9
TRICHOPSETTA VENTRALIS	2	15.0
MARENGULA PENSACOLAE	1	16.0
TRACHURUS LATHAMI	1	19.7
PORICHTHYS POROSISSIMUS	2	26.3
SERRANUS ATROBRANCHUS	2	34.5
LAGOCEPHALUS LAEVIGATUS	2	73.7
UPENEUS PARVUS	3	74.2
PRIONOTUS PARALATUS	3	96.0
PRIONOTUS STEARNSI	12	96.4
PHISTIPOMOIDES AQUILONARIS	3	99.4
CYNOSEION ARENARIUS	1	129.4
STENOTOMUS CAPRINUS	8	141.9
CYCLOPSETTA CHITTENDENI	1	180.4
SYNODUS FOETENS	3	378.8
CENTROPRISTIS PHILADELPHICA	6	487.7
PEPRILUS BURTI	15	914.0
TOTALS 17	66	2790.3

TRANSECT 2 STATION 5 O TRAWL 77 FALL
10/05/77 TIME: 1329 SAMPLE CODE: HPZU
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCION NUTHUS	1	2.3
SAURIDA BRASILIENSIS	1	3.1
TRACHURUS LATHAMI	3	34.4
UPENEUS PARVUS	2	48.0
SERRANUS ATROBRANCHUS	4	57.0
PEPKILUS HURTI	1	70.4
PHIONOTUS STEARNSI	8	83.6
MICROPOGON UNULATUS	1	112.0
PRISTIPOMOIDES AQUILONARIS	3	124.5
STENOTOMUS CAPRINUS	14	442.8
CYCLOPSETTA CHITTENDENI	3	483.4
RAJA TEXANA	1	555.1
CENTROPRISTIS PHILADELPHICA	7	577.6
SYNODUS FOETENS	7	824.4
TOTALS 14	56	3418.6

TRANSECT 2 STATION 5 N TRAWL 77 FALL
10/06/77 TIME: 114 SAMPLE CODE: BPZY
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ETROPUS CROSSOTUS	1	5.4
SYNODUS POEYI	1	7.4
SPHOEROIDES PARVUS	1	8.2
PORICHTHYS POROSISSIMUS	1	10.5
SAURIDA BRASILIENSIS	1	13.4
GYMNACHIRUS TEXAE	3	38.7
CAULOLATILUS INTERMEDIUS	2	46.1
PHIONOTUS HURIO	2	49.3
LEPOPHIDIUM GRAELLSI	3	59.9
TRICHOPSETTA VENTRALIS	4	68.4
PHIONOTUS STEARNSI	10	102.1
PRISTIPOMOIDES AQUILONARIS	6	138.2
CYCLOPSETTA CHITTENDENI	2	272.7
SERRANUS ATROBRANCHUS	27	349.7
PHIONOTUS PARALATUS	54	377.5
SYNODUS FOETENS	5	433.9
CYNOSCION ARENARIUS	2	463.9
CENTROPRISTIS PHILADELPHICA	14	478.5
MICROPOGON UNULATUS	7	507.3
STENOTOMUS CAPRINUS	22	679.9
TOTALS 20	164	4111.0

TRANSECT 2 STATION 5 N TRAWL 77 FALL
10/06/77 TIME: 146 SAMPLE CODE: BUAB
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ENGYOPHRYS SENTA	1	5.1
SAURIDA BRASILIENSIS	1	5.5
BELLATOR MILITARIS	1	17.8
CAULOLATILUS INTERMEDIUS	1	24.3
SYNODUS POEYI	6	31.1
GYMNACHIRUS TEXAE	2	38.2
LEPOPHIDIUM GRAELLSI	3	64.7
TRICHOPSETTA VENTRALIS	2	80.9
PHIONOTUS STEARNSI	8	82.5
PORICHTHYS POROSISSIMUS	7	87.5
SYNODUS FOETENS	1	91.1
TRICHURUS LEPTURUS	1	109.0
KATHETOSTOMA ALBIGUTTA	4	125.8
PHIONOTUS HURIO	4	136.6
MICROPOGON UNULATUS	2	188.7
PRISTIPOMOIDES AQUILONARIS	6	216.9
STENOTOMUS CAPRINUS	15	299.3
CYCLOPSETTA CHITTENDENI	2	333.6
SERRANUS ATROBRANCHUS	36	457.2
PHIONOTUS PARALATUS	52	567.9
CYNOSCION ARENARIUS	4	690.9
CENTROPRISTIS PHILADELPHICA	19	951.0
TOTALS 22	178	4605.6

TRANSECT 2 STATION 5 N TRAWL 77 FALL
10/06/77 TIME: 217 SAMPLE CODE: HQAE
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
GYMNACHIRUS TEXAE	1	6.6
HOPLUNNIS MACRURUS	1	11.5
TRACHURUS LATHAMI	1	11.7
ANTIENNARIUS RADIOSUS	1	14.5
PHIONOTUS STEARNSI	9	90.3
CAULOLATILUS INTERMEDIUS	3	102.0
CYCLOPSETTA CHITTENDENI	1	123.6
CYNOSCION ARENARIUS	1	137.0
MICROPOGON UNULATUS	2	161.7
PHIONOTUS PARALATUS	22	248.3
TRICHOPSETTA VENTRALIS	18	328.1
SYNODUS FOETENS	2	442.1
CENTROPRISTIS PHILADELPHICA	14	509.6
SERRANUS ATROBRANCHUS	34	594.0
PRISTIPOMOIDES AQUILONARIS	7	675.6
TOTALS 15	117	3456.6

TRANSECT 2 STATION 6 D TRAWL 77 FALL
10/05/77 TIME: 1535 SAMPLE CODE: BQRQ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	2	19.8
TRICHOPSETTA VENTRALIS	1	22.0
UPENEUS PARVUS	3	77.7
ANCYLOPSETTA DILECTA	1	100.7
PRIONOTUS PARALATUS	7	163.9
CYCLOPSETTA CHITTENDONI	1	181.2
CENTROPRISTIS PHILADELPHICA	2	241.5
CAULOLATILUS INTERMEDIUS	4	251.4
SERRANUS ATROBRANCHUS	15	300.2
TRACHURUS LATHAMI	21	317.9
PRISTIPOMOIDES AQUILONARIS	6	620.8
STENOTOMUS CAPRINUS	14	676.1
SYNODUS FOETENS	5	768.7
TOTALS 13	82	3749.9

TRANSECT 2 STATION 6 D TRAWL 77 FALL
10/05/77 TIME: 1607 SAMPLE CODE: BQRT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UPENEUS PARVUS	2	41.5
ANCYLOPSETTA DILECTA	1	73.1
SERRANUS ATROBRANCHUS	5	98.6
SYNODUS FOETENS	1	106.2
STENOTOMUS CAPRINUS	5	156.3
TRACHURUS LATHAMI	25	374.2
PRISTIPOMOIDES AQUILONARIS	5	413.8
TOTALS 7	44	1263.7

TRANSECT 2 STATION 6 N TRAWL 77 FALL
10/06/77 TIME: 315 SAMPLE CODE: HOBX
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	5.8
PRIONOTUS STEARNSI	1	12.0
HALIEUTICHTHYS ACULEATUS	2	12.2
PURICHTHYS POROSISSIMUS	1	12.2
ANTIENNARIUS RADIOSUS	1	13.4
UROPHYCIS CIRRATUS	1	14.5
ANCYLOPSETTA DILECTA	1	17.0
LEPOPHIDIUM GRAELLSI	1	17.0
UPENEUS PARVUS	1	34.4
OGCOCEPHALUS SPECIES	2	40.3
KATHETOSTOMA ALBIGUTTA	1	41.4
EQUETUS ACUMINATUS	1	50.4
PHIONOTUS RUBIO	1	52.0
SYNODUS FOETENS	1	70.1
TRICHURUS LEPTURUS	1	113.2
TRICHOPSETTA VENTRALIS	8	123.5
TRACHURUS LATHAMI	3	144.7
SERRANUS ATROBRANCHUS	9	165.0
CYNOSCIUM ARENARIUS	2	203.9
PRIONOTUS PARALATUS	19	357.6
CENTROPHISTIS PHILADELPHICA	4	441.5
LUTJANUS CAMPECHANUS	3	458.7
STENOTOMUS CAPRINUS	20	869.4
PRISTIPOMOIDES AQUILONARIS	13	1130.9
TOTALS 24	96	4481.1

TRANSECT 2 STATION 6 N TRAWL 77 FALL
10/06/77 TIME: 347 SAMPLE CODE: BQCA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
NEOBYTHITES GILLI	1	4.2
TRACHURUS LATHAMI	1	10.2
PHIONOTUS STEARNSI	2	23.1
MICROPOGON UNDULATUS	1	25.8
DECCDON PUELLARIS	1	35.4
CAULOLATILUS INTERMEDIUS	1	37.5
PORICHTHYS POROSISSIMUS	3	39.1
LEPOPHIDIUM GRAELLSI	2	42.7
MYNOPSIS PUNCTATUS	1	63.3
EQUETUS ACUMINATUS	2	91.5
SYNODUS FOETENS	1	93.8
TRICHOPSETTA VENTHALIS	6	100.0
UROPHYCIS CIRRHATUS	4	103.4
BROTULA BARBATA	1	106.1
ANCYLOPSETTA DILECTA	2	107.6
UPENEUS PARVUS	3	147.6
CYNOSCION ARENARIUS	1	205.2
CYCLOPSETTA CHITTENDENI	1	255.1
PHIONOTUS PARALATUS	20	305.4
PRISTIPOMOIDES AQUILONARIS	10	484.8
CENTROPRISTIS PHILADELPHICA	5	525.3
SERRANUS ATROBRANCHUS	49	857.4
NEOMERINTHE HEMINGWAYI	1	1270.0
STENOTOMUS CAPRINUS	31	1534.0
LUTJANUS CAMPECHANUS	1	10000.0
TOTALS 25	151	16468.5

TRANSECT 2 STATION 6 N TRAWL 77 FALL
10/06/77 TIME: 421 SAMPLE CODE: BUCC
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HOPLUNNIS MACRURUS	1	10.2
UROPHYCIS CIRRHATUS	1	17.6
CAULOLATILUS INTERMEDIUS	1	38.7
LEPOPHIDIUM GRAELLSI	3	58.0
PORICHTHYS POROSISSIMUS	5	58.1
ANCYLOPSETTA DILECTA	3	58.8
PHIONOTUS STEARNSI	7	77.1
PEPRILUS HURTI	1	86.7
LAGOCEPHALUS LAEVIGATUS	2	96.5
UROPHYCIS FLORIDANUS	1	113.3
LAGOON RHOMBOIDES	1	121.6
UPENEUS PARVUS	6	297.7
TRICHOPSETTA VENTHALIS	15	249.0
CENTROPRISTIS PHILADELPHICA	3	318.0
CYNOSCION ARENARIUS	1	373.6
PRISTIPOMOIDES AQUILONARIS	5	448.7
PHIONOTUS PARALATUS	25	467.2
SERRANUS ATROBRANCHUS	53	1005.7
STENOTOMUS CAPRINUS	37	1939.5
TOTALS 19	171	5744.0

TRANSECT 3 STATION 1 D TRAWL 77 FALL
09/28/77 TIME: 1759 SAMPLE CODE: HODY
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CHLOROSCOMBRUS CHRYSURUS	1	11.4
LUTJANUS CAMPECHANUS	1	20.9
SPHYRAENA GUACHANCHO	1	40.0
HARENGULA PENSACOLAE	3	42.7
DIPLECTRUM HUVITTATUM	4	56.1
SYNODUS FOETENS	2	74.9
MICROPOGON UNDULATUS	2	89.2
CYNOSCION NOTHUS	2	127.2
TRICHIURUS LEPTIURUS	2	133.5
PEPRILUS HURTI	11	192.1
ANCHOA MESPETUS	26	365.1
TRACHURUS LATHAMI	54	725.6
TOTALS 12	109	1878.7

TRANSECT 3 STATION 1 N TRAWL 77 FALL
09/27/77 TIME: 2020 SAMPLE CODE: BQEC
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LAGOCEPHALUS LAEVIGATUS	1	8.8
SPHOEROIDES PARVUS	3	11.3
CYNOSCION NOTHUS	8	16.6
PORICHTHYS POROSISSIMUS	3	46.8
MICROPOGON UNDULATUS	1	48.2
CENTROPRISTIS PHILADELPHICA	6	61.4
CYNOSCION ARENARIUS	1	67.7
DIPLECTRUM BIVITTATUM	11	89.7
TRICHIURUS LEPTIURUS	1	97.5
SYACIUM GUNTERI	5	116.7
POLYDACTYLUS OCTONEMUS	31	1607.0
TOTALS 11	71	2171.7

TRANSECT 3 STATION 2 D TRAWL 77 FALL
09/28/77 TIME: 1408 SAMPLE CODE: HUGC
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRISTIPOMOIDES AQUILONARIS	2	68.0
TRACHURUS LATHAMI	4	74.8
LUTJANUS CAMPECHANUS	1	108.9
LAGOCEPHALUS LAEVIGATUS	4	140.4
SERRANUS ATROBRANCHUS	29	265.0
CENTROPRISTIS PHILADELPHICA	7	499.0
SYNODUS FOETENS	8	924.0
TOTALS 7	55	2000.1

TRANSECT 3 STATION 2 N TRAWL 77 FALL
09/28/77 TIME: 5 SAMPLE CODE: BQGF
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCION NOTHUS	1	1.1
TRICHOPSETIA VENTRALIS	1	6.0
EPINEPHELUS NIGRITUS	1	12.2
SPHOERIDES PARVUS	4	23.2
PORICHTHYS POROSISSIMUS	3	32.3
SYACIUM GUNTERI	2	38.6
LAGOCEPHALUS LAEVIGATUS	2	47.2
PEPRILUS BURTI	1	50.2
LEPOPHIDIUM GRAELLSI	2	58.4
PRISTIPOMOIDES AQUILONARIS	2	63.5
STENOTOMUS CAPRINUS	3	69.2
TRACHURUS LATHAMI	8	109.7
SYNODUS POEYI	17	121.9
UPENEUS PARVUS	6	152.2
CYNOSCION AENARIUS	1	152.5
PRIONOTUS PARALATUS	20	185.2
MICROPOGON UNDULATUS	3	256.7
CYCLOPSETTA CHITTENDENI	2	324.9
PRIONOTUS STEARNSI	44	381.6
PRIONOTUS PARALATUS	5	461.2
CENTROPRISTIS PHILADELPHICA	6	570.9
SERRANUS ATROBRANCHUS	59	856.1
TOTALS 22	193	3974.8

TRANSECT 3 STATION 3 D TRAWL 77 FALL
09/28/77 TIME: 1054 SAMPLE CODE: BQII
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
DIPLECTRUM BIVITTATUM	1	6.8
GYMNACHIRUS TEXAE	1	7.9
OGCOEPHALUS SPECIES	1	12.1
TRICHOPSETIA VENTRALIS	1	25.9
STENOTOMUS CAPRINUS	1	37.0
URUPHYCIS CIRRATUS	1	38.6
CAULULATILUS INTERMEDIUS	1	48.2
PRIONOTUS PARALATUS	4	109.2
PRACANTHUS ARENATUS	1	182.2
UPENEUS PARVUS	8	244.9
SERRANUS ATROBRANCHUS	17	353.5
PRISTIPOMOIDES AQUILONARIS	6	556.1
TRACHURUS LATHAMI	44	658.0
TOTALS 13	87	2280.4

TRANSECT 3 STATION 3 N TRAWL 77 FALL
09/28/77 TIME: 337 SAMPLE CODE: BQIM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ENGYOPHRY SENTA	1	4.5
HALIEUTICHTHYS ACULEATUS	1	7.0
URUPHYCIS CIRRATUS	1	14.7
GYMNACHIRUS TEXAE	1	16.1
PONTINUS LONGISPINIS	2	43.5
CAULULATILUS INTERMEDIUS	1	52.3
HEMANTHIAS LEPTUS	2	71.1
URUPHYCIS FLORIDANUS	1	72.3
MYRUPHIS PUNCTATUS	1	92.4
TRICHOPSETIA VENTRALIS	6	95.3
CENTROPRISTIS PHILADELPHICA	1	141.3
UPENEUS PARVUS	7	190.4
STENOTOMUS CAPRINUS	6	314.0
PRIONOTUS PARALATUS	111	1365.6
TRACHURUS LATHAMI	53	1641.3
SERRANUS ATROBRANCHUS	89	1750.0
PRISTIPOMOIDES AQUILONARIS	38	2250.4
TOTALS 17	322	8130.2

TRANSECT 3 STATION 4 D TRAWL 77 FALL
09/27/77 TIME: 1641 SAMPLE CODE: BQKQ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HARENGULA PENSACOLAE	1	9.8
CENTROPRISTIS PHILADELPHICA	1	30.0
CHLORUSCOMBRUS CHRYSURUS	4	40.6
ARIUS FELIS	1	173.4
TOTALS 4	7	253.8

TRANSECT 3 STATION 4 N TRAWL 77 FALL
09/27/77 TIME: 1906 SAMPLE CODE: BQKH
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
MUNACANTHUS HISPIDUS	1	3.4
PRIONOTUS OPHRYAS	1	9.2
ANCHOA HEPSETUS	2	16.0
SYNODUS POEYI	1	20.2
ENGYOPHRY SENTA	1	25.0
SYACIUM GUNTERI	1	27.2
CYCLOPSETTA CHITTENDENI	1	37.2
PORICHTHYS POROSISSIMUS	2	39.0
SPHOERIDES PARVUS	11	40.3
CENTROPRISTIS PHILADELPHICA	6	79.4
DIPLECTRUM BIVITTATUM	31	283.3
ORINOPRISTIS CHRYSOPTERA	47	711.0
ARIUS FELIS	6	779.1
LUTJANUS CAMPECHANUS	90	1042.6
TOTALS 14	201	3112.9

TRANSECT 3 STATION 5 D TRAWL 77 FALL
09/28/77 TIME: 1701 SAMPLE CODE: HQLT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS FOETENS	1	40.4
LUTJANUS CAMPECHANUS	1	41.2
VOMER SETAPINNIS	1	66.6
CHLOROSCOMBRUS CHRYSURUS	2	75.7
DIPLECTRUM BIVITTATUM	3	85.4
TOTALS 5	8	308.9

TRANSECT 3 STATION 5 N TRAWL 77 FALL
09/28/77 TIME: 2213 SAMPLE CODE: BQLX
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCION NOTHUS	1	1.6
BULLMANNIA COMMUNIS	2	10.0
ANCHOA MOPSETUS	1	13.7
STENOTOMUS CAPRINUS	1	17.6
SYACIUM GUNTERI	2	19.7
CHLOROSCOMBRUS CHRYSURUS	1	27.7
SERRANUS ATROBRANCHUS	6	42.1
TRACHURUS LATHAMI	4	48.8
CYCLOPSETTA CHITTENDENI	1	50.2
SAURIDA BRASILIENSIS	10	50.9
PEPHILUS BURTI	2	52.8
VOMER SETAPINNIS	2	255.0
SYNODUS FOETENS	6	298.8
MICROPOGON UNDULATUS	8	385.6
POLYDACTYLUS OCTONEMUS	9	445.6
TOTALS 15	56	1720.1

TRANSECT 3 STATION 6 D TRAWL 77 FALL
09/28/77 TIME: 832 SAMPLE CODE: BQNJ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SAURIDA BRASILIENSIS	1	4.2
BEMBROPS ANATIROSTRIS	1	34.4
TRICHOPSETTA VENTRALIS	4	78.7
PONTINUS LUNGISPINIS	3	168.1
ZENOPSIS OCELLATA	1	228.3
CAULOLATILUS INTERMEDIUS	3	366.5
UPENEUS PARVUS	17	405.1
PRIONOTUS PARALATUS	26	440.6
SERRANUS ATROBRANCHUS	23	456.4
STENOTOMUS CAPRINUS	13	530.1
TRACHURUS LATHAMI	16	549.9
PRISTIPOMOIDES AQUILONARIS	25	2693.0
TOTALS 12	133	5955.3

TRANSECT 3 STATION 6 N TRAWL 77 FALL
09/28/77 TIME: 439 SAMPLE CODE: BONN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HEMANTHIAS LEPIUS	1	12.7
ANCYLOPSETTA DILECTA	2	33.4
BEMBROPS ANATIROSTRIS	1	44.9
CAULOLATILUS INTERMEDIUS	1	45.8
KATHETOSTOMA ALBIGUTTA	1	56.9
PONTINUS LUNGISPINIS	2	73.2
MYROPHIS PUNCTATUS	1	76.3
LAGODON RHOMBOIDES	1	88.1
UROPHYCIS FLORIDANUS	1	144.9
TRICHOPSETTA VENTRALIS	15	247.6
UROPHYCIS CIRRHATUS	10	316.9
SERRANUS ATROBRANCHUS	102	372.9
UPENEUS PARVUS	26	656.7
PRISTIPOMOIDES AQUILONARIS	8	779.7
TRACHURUS LATHAMI	27	898.9
STENOTOMUS CAPRINUS	20	1023.1
PRIONOTUS PARALATUS	144	2218.9
TOTALS 17	363	7082.9

TRANSECT 4 STATION 1 D TRAWL 77 FALL
09/27/77 TIME: 923 SAMPLE CODE: B0PH
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ETRUMEUS TERES	1	6.4
LAGOCEPHALUS LAEVIGATUS	1	15.6
STENOTOMUS CAPRINUS	1	17.8
SYNODUS FOETENS	2	33.9
UPENEUS PARVUS	2	43.2
DIPLECTRUM BIVITTATUM	3	57.8
LEIOTOMUS XANTHURUS	1	67.4
MICROPOGON UNDULATUS	3	114.5
HARENGULA PENSACOLAE	6	123.5
TRACHURUS LATHAMI	13	146.3
ANCYLOPSETTA QUADROCELLATA	2	154.9
CHLOROSCOMBRUS CHRYSURUS	6	229.2
TOTALS 12	41	1019.7

TRANSECT 4 STATION 1 N TRAWL 77 FALL
09/27/77 TIME: 115 SAMPLE CODE: B0PL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PORICHTHYS POROSISSIMUS	1	9.3
SYACIUM GUNTERI	1	19.5
LAGOCEPHALUS LAEVIGATUS	3	23.5
CENTROPRISTIS PHILADELPHICA	2	25.0
ORTHOPRISTIS CHRYSOPTERA	1	32.4
DIPLECTRUM BIVITTATUM	1	32.6
STENOTOMUS CAPRINUS	2	36.5
SPHOEROIDES PARVUS	8	45.4
TRACHURUS LATHAMI	4	51.3
LUTJANUS CAMPECHANUS	4	61.3
UPENEUS PARVUS	3	68.6
PEPRILUS BORTI	6	85.6
SYNODUS FOETENS	3	90.1
SCOMBEROMORUS MACULATUS	1	238.7
POLYDACTYLUS OCTONEMUS	7	294.6
LEIOSTOMUS XANTHURUS	8	534.7
MICROPOGON UNDULATUS	32	1261.4
TOTALS 17	87	2910.5

TRANSECT 4 STATION 2 D TRAWL 77 FALL
09/26/77 TIME: 923 SAMPLE CODE: B0RK
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRACHURUS LATHAMI	1	12.6
UPENEUS PARVUS	1	19.0
BOLLMANNIA COMMUNIS	3	19.1
CYCLOPSETTA CHITTENDENI	1	62.6
CHLOROSCOMBRUS CHRYSURUS	1	79.6
PRIACANTHUS ARENATUS	2	96.5
SYACIUM GUNTERI	6	119.6
SERRANUS ATROBRANCHUS	14	131.3
VOMER SETAPINNIS	2	148.2
CENTROPRISTIS PHILADELPHICA	3	222.1
SYNODUS FOETENS	4	373.2
TOTALS 11	38	1283.8

TRANSECT 4 STATION 2 N TRAWL 77 FALL
09/26/77 TIME: 2247 SAMPLE CODE: B0K0
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	6.0
PRIONOTUS PARALATUS	1	6.0
SAURIDA BRASILIENSIS	1	7.0
BOLLMANNIA COMMUNIS	2	8.1
PRISTIPOMOIDES AQUILONARIS	5	18.6
STENOTOMUS CAPRINUS	1	24.7
CENTROPRISTIS PHILADELPHICA	2	35.7
LAGOCEPHALUS LAEVIGATUS	2	39.8
LEPOPHIOTUM GRAELLII	2	57.5
SYACIUM GUNTERI	7	136.4
PRIACANTHUS ARENATUS	4	143.6
MICROPOGON UNDULATUS	3	144.9
PRIONOTUS STEARNSI	20	154.2
SERRANUS ATROBRANCHUS	27	266.2
TOTALS 14	78	1048.7

TRANSECT 4 STATION 3 D TRAWL 77 FALL
09/26/77 TIME: 1522 SAMPLE CODE: B0TN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UROPHYCIS CIRRATUS	1	24.0
UPENEUS PARVUS	1	26.4
PRIONOTUS PARALATUS	3	72.2
KATHETOSTOMA ALBIGUTTA	1	81.9
UROPHYCIS FLORIDANUS	1	89.9
PRIONOTUS RUHIO	3	126.5
PRIONOTUS STEARNSI	6	131.7
TRICHOSETTA VENTRALIS	10	174.8
PONTINUS LONGISPINIS	7	190.8
EQUETUS ACUMINATUS	3	194.2
PRISTIPOMOIDES AQUILONARIS	8	791.2
STENOTOMUS CAPRINUS	16	1009.9
TOTALS 12	60	2917.5

TRANSECT 4 STATION 3 N TRAWL 77 FALL
09/26/77 TIME: 1958 SAMPLE CODE: B0TR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
CYNOSCION AENEARIUS	1	1.2
PRIONOTUS STEARNSI	2	10.0
HALIEUTICHTHYS ACULEATUS	2	10.3
TRICHOSETTA VENTRALIS	3	16.3
UPENEUS PARVUS	1	18.0
MYROPHIS PUNCTIATUS	2	42.3
ANCYLOPSETTA DILECTA	3	54.0
PRIACANTHUS ARENATUS	2	72.4
SYNODUS FOETENS	2	266.7
PRISTIPOMOIDES AQUILONARIS	4	279.3
TRACHURUS LATHAMI	9	285.5
PRIONOTUS PARALATUS	27	335.6
MICROPOGON UNDULATUS	3	352.8
CYNOSCION AENEARIUS	2	429.6
SERRANUS ATROBRANCHUS	102	2000.2
TOTALS 15	165	4174.2

TRANSECT 4 STATION 4 D TRAWL 77 FALL
09/27/77 TIME: 1201 SAMPLE CODE: B0VK
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LAGOCEPHALUS LAEVIGATUS	2	14.2
EUCINOSTOMUS GULA	2	38.2
ANCYLOPSETTA QUADROCELLATA	2	55.1
CHLOROSCOMBRUS CHRYSURUS	2	65.7
MICROPOGON UNDULATUS	3	147.8
DIPLECTRUM BIVITTATUM	15	257.8
ARIUS FELIS	7	958.5
LUTJANUS CAMPECHANUS	76	1404.8
TOTALS 8	109	2942.1

TRANSECT 4 STATION 4 N TRAWL 77 FALL
09/27/77 TIME: 220 SAMPLE CODE: HQVQ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRACHURUS LATHAMI	1	10.6
ANCHOA HEPSETUS	1	14.0
CHLOROSCOMBRUS CHRYSURUS	1	27.3
EUCINUSTOMUS GULA	2	28.7
DIPLECTRUM BIVITTATUM	4	31.9
SYNODUS FOETENS	2	33.7
SPHNEROIDES PARVUS	5	40.2
MENTICIRRHUS AMERICANUS	2	92.3
CYNOSEION ARENARIUS	4	151.8
LEIOTOMUS XANTHURUS	6	282.2
ARIUS FELIS	5	370.9
LAGODON RHOMBOIDES	15	449.5
ORTHOPRISTIS CHRYSOPTERA	19	593.8
LUTJANUS CAMPECHANUS	43	600.2
TRACHINOTUS CAROLINUS	4	704.9
POLYDACTYLUS OCTONEMUS	17	860.9
MICROPOGON UNDULATUS	39	1716.6
TOTALS 17	170	6017.5

TRANSECT 4 STATION 5 D TRAWL 77 FALL
09/27/77 TIME: 744 SAMPLE CODE: BQXA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BALISTES CAPRISCUS	1	10.1
ANCHOA HEPSETUS	1	10.8
PORICHTHYS POROSISSIMUS	1	14.4
LUTJANUS CAMPECHANUS	1	15.7
SYACIUM GUNTERI	1	20.0
ORTHOPRISTIS CHRYSOPTERA	1	31.6
ANCYLOPSETTA QUADROCELLATA	1	151.7
SYNODUS FOETENS	2	158.6
MICROPOGON UNDULATUS	4	164.9
PEPRILUS HURTI	12	168.9
VOMER SETAPINNIS	4	241.6
ETRUMEUS TENES	10	478.0
TRACHURUS LATHAMI	38	492.5
POLYDACTYLUS OCTONEMUS	20	1045.1
TRICHINURUS LEPTURUS	16	1368.2
HARENGULA PENSACOLAE	112	2061.0
CYNOSEION ARENARIUS	48	2449.8
TOTALS 17	281	8882.9

TRANSECT 4 STATION 5 N TRAWL 77 FALL
09/27/77 TIME: 21 SAMPLE CODE: HQXF
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PORICHTHYS POROSISSIMUS	1	6.6
SAURIDA BRASILIENSIS	2	12.1
SYNODUS FOETENS	1	17.9
SYMPHURUS DIOMEDEIANUS	1	17.9
SYACIUM GUNTERI	2	31.7
PRIONOTUS STEARNSI	4	31.7
LAGOCEPHALUS LAEVIGATUS	4	44.3
DIPLECTRUM BIVITTATUM	3	59.1
TRACHURUS LATHAMI	5	60.1
PRIONOTUS RUBIO	3	64.5
CYNOSEION ARENARIUS	1	82.7
CYNOSEION NOTHUS	6	97.4
CENTROPRISTIS PHILADELPHICA	7	135.4
MENTICIRRHUS AMERICANUS	2	214.9
POLYDACTYLUS OCTONEMUS	6	290.5
MICROPOGON UNDULATUS	17	828.2
TOTALS 16	65	1995.0

TRANSECT 4 STATION 6 D TRAWL 77 FALL
09/26/77 TIME: 1254 SAMPLE CODE: BQYR
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIFUTICHTHYS ACULEATUS	1	8.2
TRICHOSETTA VENTRALIS	1	9.7
PRIONOTUS PARALATUS	2	22.0
SPHNEROIDES PARVUS	1	59.5
PRIONOTUS STEARNSI	9	76.0
MICROPOGON UNDULATUS	1	102.9
ANCYLOPSETTA QUADROCELLATA	1	134.3
LAGODON RHOMBOIDES	2	145.2
PEPRILUS HURTI	4	203.2
STENOTOMUS CAPRINUS	6	207.5
CENTROPRISTIS PHILADELPHICA	5	283.1
TRACHURUS LATHAMI	33	408.6
UPENEUS PARVUS	28	626.7
PRISTIPOMOIDES AQUILONARIS	22	689.0
PHIACANTHUS ARENATUS	8	722.3
CAULOLATILUS INTERMEDIUS	15	873.4
SERRANUS ATROPHANCHUS	84	1536.5
SYNODUS FOETENS	21	2458.4
TOTALS 18	244	8565.5

Q-97

TRANSECT 4 STATION 6 N TRAWL 77 FALL
09/26/77 TIME: 2110 SAMPLE CODE: HOYU
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
GYMNACHIRUS TEXAE	1	9.1
SYACIUM GUNTERI	1	9.2
PRIONOTUS STEARNSI	1	10.7
SYNODUS POEYI	2	16.6
PRIONOTUS RUBIO	1	26.9
TRICHOPSETTA VENTRALIS	1	30.3
TRACHURUS LATHAMI	3	38.8
LEIOSTOMUS XANTHURUS	1	88.1
POLYDACTYLUS OCTONEMUS	2	114.9
LAGOCEPHALUS LAEVIGATUS	2	148.6
SERRANUS ATROBRANCHUS	18	181.9
PRIONOTUS PARALATUS	18	226.8
UPENEUS PARVUS	9	245.6
CENTROPRISTIS PHILADELPHICA	9	262.3
MULLUS AURATUS	8	329.6
PRISTIPOMOIDES AQUILONARIS	16	493.3
MICROPUGON UNDULATUS	11	683.8
CAULOLATILUS INTERMEDIUS	14	822.3
STENOTOMUS CAPRINUS	82	1995.3
TOTALS 19	200	5571.3

TRANSECT 4 STATION 7 D TRAWL 77 FALL
09/26/77 TIME: 1652 SAMPLE CODE: BWAG
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
GYMNACHIRUS TEXAE	1	9.5
PRIONOTUS STEARNSI	1	12.8
OGCOCEPHALUS SPECIES	1	15.4
HALIEUTICHTHYS ACULEATUS	3	16.3
PRIONOTUS RUBIO	1	58.7
ANCYLOPSETTA DILECTA	4	68.7
SPHOEROIDES SPENGLERI	2	81.1
CENTROPRISTIS PHILADELPHICA	1	86.1
UPENEUS PARVUS	4	120.3
TRACHURUS LATHAMI	15	220.0
PRIONOTUS PARALATUS	15	247.4
UROPHYCIS CIRNATUS	4	257.0
SERRANUS ATROBRANCHUS	38	802.0
CAULOLATILUS INTERMEDIUS	16	902.7
NEUMERINTE HEMINGWAYI	2	1068.2
PRISTIPOMOIDES AQUILONARIS	10	1135.1
TOTALS 16	118	5101.3

TRANSECT 4 STATION 7 N TRAWL 77 FALL
09/26/77 TIME: 1910 SAMPLE CODE: BRAK
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANTENNARIUS RADIOSUS	1	11.5
OGCOCEPHALUS SPECIES	2	28.8
SPHOEROIDES SPENGLERI	1	30.0
GYMNACHIRUS TEXAE	4	53.4
MYRPHIS PUNCTATUS	1	66.2
PRIONOTUS RUBIO	1	73.2
TRICHOPSETTA VENTRALIS	4	87.8
ANCYLOPSETTA DILECTA	5	94.3
HALIEUTICHTHYS ACULEATUS	26	157.5
PRIONOTUS PARALATUS	16	218.1
CENTROPRISTIS PHILADELPHICA	1	219.2
CYCLOPSETTA CHITTENDENI	1	251.2
CAULOLATILUS INTERMEDIUS	8	466.3
SERRANUS ATROBRANCHUS	27	473.1
OPSANUS PANDUS	1	554.2
PRISTIPOMOIDES AQUILONARIS	8	889.6
TOTALS 16	107	3674.4

TRANSECT 1 STATION 1 D TRAWL 77 FALL
10/07/77 TIME: 719 SAMPLE CODE: BPBM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
STELLIFER LANCEOLATUS	1	3.3
SPHOEROIDES PARVUS	1	3.7
SERRANUS ATROBRANCHUS	1	7.1
EUCINOSTOMUS GULA	1	9.5
GYMNACHIRUS TEXAE	2	9.6
ETHIOPUS CRUSSOTUS	3	21.8
LEPOPHIDIUM GRAELLSI	1	24.2
OGCOCEPHALUS SPECIES	5	38.8
PORICHTHYS POROSSIMUS	3	45.5
PRIONOTUS RUBIO	4	54.2
CYNOSCION NOTHUS	19	63.2
HALIEUTICHTHYS ACULEATUS	14	72.5
BAGRE MARINUS	2	77.4
CHAETODIPTERUS FABER	2	86.9
CITHARICHTHYS SPILOPTERUS	11	114.3
CYNOSCION ARENARIUS	1	126.4
PEPRILUS BUNTI	6	143.4
SYACIUM GUNTERI	31	221.9
MENTICIRRHUS FOCALINGEN	1	231.2
POLYDACTYLUS OCTONEMUS	31	1318.4
MICROPUGON UNDULATUS	444	5580.4
TOTALS 21	584	8173.7

TRANSECT 1 STATION 1 N TRAWL 77 FALL
10/07/77 TIME: 200 SAMPLE CODE: BPCA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
DIPLECTRUM BIVITTATUM	1	3.3
UGCOEPHALUS SPECIES	1	7.0
SAURIDA BRASILIENSIS	1	11.2
HOPLUNNIS MACRURIUS	1	12.9
SPHOENOIDES PARVUS	4	18.3
HALIEUTICHTHYS ACULEATUS	3	18.5
GYMNACHIRUS TEXAE	3	28.0
ETROPUS CROSSOTUS	3	35.4
LEPOPHIDIUM GRAELLSI	2	38.2
PURICHTHYS POROSISSIMUS	6	92.4
AHIUS FELIS	1	179.1
CHAETODIPIERUS FAHER	10	290.4
SYACIUM GUNTERI	12	350.1
MICROPOGON UNDULATUS	24	761.3
POLYDACTYLUS OCTONEMUS	19	917.7
TOTALS 15	91	2763.8

TRANSECT 1 STATION 2 D TRAWL 77 FALL
10/07/77 TIME: 1200 SAMPLE CODE: BPDV
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ENGYOPHRYS SENTA	1	6.4
SAURIDA BRASILIENSIS	3	17.0
LARIMUS FASCIATUS	1	42.3
CHLOROSCOMBRUS CHRYSURUS	2	42.5
UPENEUS PARVUS	2	43.3
UNOPHYCIS CIRRHATUS	2	44.4
CYCLOPSETTA CHITTENDENI	2	59.2
SARDINELLA ANCHOVIA	1	63.6
PURICHTHYS POROSISSIMUS	7	80.4
POLYDACTYLUS OCTONEMUS	2	103.6
LUTJANUS CAMPECHANUS	7	110.0
SYNODUS POEYI	2	111.9
SYACIUM GUNTERI	6	117.6
PRIONOTUS RUBIO	4	135.5
DIPLECTRUM BIVITTATUM	9	208.7
LEPOPHIDIUM GRAELLSI	7	225.4
SYNODUS FOETENS	5	238.4
HARENGULA PENSACOLAE	5	251.5
TRICHIURUS LEPTURUS	3	252.9
STENOTOMUS CAPRINUS	14	328.4
TRACHURUS LATHAMI	27	470.9
PRIONOTUS PARALATUS	40	555.9
PEPRILUS BURTI	10	616.9
CYNOSCION ARENARIUS	10	919.4
MICROPOGON UNDULATUS	50	2454.9
TOTALS 25	238	7501.0

TRANSECT 1 STATION 2 N TRAWL 77 FALL
10/07/77 TIME: 4 SAMPLE CODE: BPDZ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SCORPAENA CALCARTA	1	3.6
ENGYOPHRYS SENTA	1	4.3
PRISTIPOMOIDES AQUILONARIS	3	7.2
BULLMANNIA COMMUNIS	1	8.1
GYMNACHIRUS TEXAE	1	9.6
LEPOPHIDIUM GRAELLSI	2	19.7
SERHANUS ATROBRANCHUS	2	21.7
LUTJANUS CAMPECHANUS	3	52.1
PRIONOTUS RUBIO	2	52.1
CENTROPHISTIS PHILADELPHICA	7	54.5
PEPRILUS BURTI	1	59.2
STENOTOMUS CAPRINUS	5	107.3
CYNOSCION ARENARIUS	1	108.2
UGCOEPHALUS SPECIES	1	148.3
MICROPOGON UNDULATUS	5	256.6
SYNODUS FOETENS	6	314.3
SYACIUM GUNTERI	23	314.3
DIPLECTRUM BIVITTATUM	10	327.2
TOTALS 18	83	1868.3

TRANSECT 1 STATION 3 D TRAWL 77 FALL
10/06/77 TIME: 1635 SAMPLE CODE: BPFU
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	7.2
UGCOEPHALUS SPECIES	1	17.6
PRIONOTUS STEARNSI	2	21.6
DECODON PUELLARIS	1	67.1
TRICHOSETTA VENTRALIS	5	84.2
ANCYLOPSETTA DILECTA	3	124.2
CAULOLATILUS INTERMEDIUS	3	129.4
TRACHURUS LATHAMI	16	276.2
UPENEUS PARVUS	13	329.8
STENOTOMUS CAPRINUS	7	376.6
SERHANUS ATROBRANCHUS	21	387.7
PUNTINUS LONGISPINIS	19	521.7
PRIONOTUS PARALATUS	27	700.4
PRISTIPOMOIDES AQUILONARIS	19	974.6
TOTALS 14	138	4018.3

0-99

TRANSECT 1 STATION 3 N TRAWL 77 FALL
10/06/77 TIME: 1933 SAMPLE CODE: BPFY
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
UGCOCEPHALUS SPECIES	1	15.9
HALIEUTICHTHYS ACULEATUS	3	18.6
ANCYLOPSETTA OILECTA	2	26.8
LEPOPHIDIUM GRAELLSI	1	29.7
TRACHURUS LATHAMI	2	62.4
UPENEUS PARVUS	3	74.7
TRICHOSETTA VENTRALIS	5	75.7
LAGODON RHOMBOIDES	1	84.0
MYROPHIS PUNCTATUS	2	136.2
CENTROPRISTIS PHILADELPHICA	1	190.7
SERRANUS ATROBANCHUS	25	491.0
PRIONOTUS PARALATUS	38	840.1
PRISTIPOMOIDES AQUILONARIS	11	1079.1
PUNTIUS LUNGISPINIS	27	1168.9
STENOTOMUS CAPRINUS	28	1560.4
TOTALS 15	150	5655.0

TRANSECT 1 STATION 4 D TRAWL 77 FALL
10/07/77 TIME: 826 SAMPLE CODE: BPHK
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ACHIRUS LINEATUS	1	5.1
PORICHTHYS POROSISSIMUS	1	5.1
CHAETODIPIERUS FABER	1	5.9
HALIEUTICHTHYS ACULEATUS	1	7.5
UGCOCEPHALUS SPECIES	1	7.9
EUCINOSTOMUS GULA	1	8.1
SPHOEROIDES PARVUS	3	13.7
ANCHOA HEPSETUS	1	17.0
CYNOSCIION NOTHUS	10	18.8
SYACIUM GUNTERI	3	26.3
OPHIION WELSHI	1	32.0
CITHARICHTHYS SPILOPTERUS	3	35.4
BAGRE MARINUS	1	44.2
ETRUPUS CROSSOTUS	3	52.4
STELLIFER LANCEOLATUS	2	70.7
MENTICIRRHUS AMERICANUS	1	85.5
POLYDACTYLUS OCTONEMUS	2	106.7
PEPRILUS HURTI	16	334.5
MICROPOGON UNULATUS	10	345.8
TOTALS 19	62	1222.6

TRANSECT 1 STATION 4 N TRAWL 77 FALL
10/07/77 TIME: 450 SAMPLE CODE: BPHO
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ANCHOA HEPSETUS	1	3.3
STELLIFER LANCEOLATUS	3	6.7
CYNOSCIION NOTHUS	7	17.7
SYACIUM GUNTERI	4	26.6
LEPOPHIDIUM GRAELLSI	1	28.4
PRIONOTUS RUBIO	2	37.2
CITHARICHTHYS SPILOPTERUS	4	39.3
SPHOEROIDES PARVUS	12	41.1
ETRUPUS CROSSOTUS	3	43.0
POLYDACTYLUS OCTONEMUS	1	44.3
CHAETODIPIERUS FABER	5	49.9
MENTICIRRHUS AMERICANUS	1	97.5
BAGRE MARINUS	5	169.8
MICROPOGON UNULATUS	24	651.8
TOTALS 14	73	1250.6

TRANSECT 1 STATION 5 D TRAWL 77 FALL
10/07/77 TIME: 1507 SAMPLE CODE: BPJA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	4.9
PORICHTHYS POROSISSIMUS	1	7.2
SAURIDA BRASILIENSIS	2	9.3
PRISTIPOMOIDES AQUILONARIS	3	38.9
PRIONOTUS STEAKNSI	5	50.5
CENTROPRISTIS PHILADELPHICA	1	54.1
LAGOCEPHALUS LAEVIGATUS	1	58.0
TRICHURUS LEPTURUS	2	62.2
MICROPOGON UNULATUS	1	85.4
STENOTOMUS CAPRINUS	8	114.8
SERRANUS ATROBANCHUS	10	158.9
PEPRILUS HURTI	5	217.3
UPENEUS PARVUS	5	286.0
CALAMUS LEUCOSTEUS	1	474.2
CYNOSCIION ARENARIUS	4	646.4
SYNODUS FOETENS	7	666.8
TRACHURUS LATHAMI	83	1129.9
TOTALS 17	140	4064.8

TRANSECT 1 STATION 5 N TRAWL 77 FALL
10/06/77 TIME: 2209 SAMPLE CODE: HPJE
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PORICHTHYS POROSISSIMUS	1	7.4
SYNODUS POEYI	2	10.1
SPHOEROIDES PARVUS	1	11.0
PRIONOTUS STEARNSI	1	13.5
PRIONOTUS RUBIO	1	33.0
TRICHOPSETTA VENTRALIS	2	42.9
GYMNACHIRUS TEXAE	4	52.5
PEPRILUS BURTI	1	66.2
SYNODUS FOETENS	1	98.4
PRISTIPOMOIDES AQUILONARIS	1	100.5
LAGOCEPHALUS LAEVIGATUS	2	106.3
PRIONOTUS PARALATUS	8	107.7
SERRANUS ATRORHANCHUS	9	167.2
CENTROPRISTIS PHILADELPHICA	8	404.9
CYNOSCION ARENARIUS	3	536.2
STENOTOMUS CAPRINUS	23	671.3
TOTALS 16	68	2429.1

TRANSECT 1 STATION 6 D TRAWL 77 FALL
10/06/77 TIME: 1527 SAMPLE CODE: HPKO
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRICHOPSETTA VENTRALIS	1	18.1
UPENEUS PARVUS	3	85.1
PRIONOTUS STEARNSI	3	92.9
PEPRILUS BURTI	3	134.1
CAULOLATILUS INTERMEDIUS	1	134.1
PRIONOTUS PARALATUS	5	153.0
CENTROPRISTIS PHILADELPHICA	1	194.9
TRACHURUS LATHAMI	35	394.1
SERRANUS ATRORHANCHUS	21	411.0
STENOTOMUS CAPRINUS	14	854.2
SYNODUS FOETENS	7	1014.6
PRISTIPOMOIDES AQUILONARIS	13	1427.4
TOTALS 12	107	4913.5

TRANSECT 1 STATION 6 N TRAWL 77 FALL
10/06/77 TIME: 2057 SAMPLE CODE: HPKU
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HUPLUNNIS MACRURUS	1	3.5
GYMNACHIRUS TEXAE	1	12.3
PORICHTHYS POROSISSIMUS	2	15.0
HALIEUTICHTHYS ACULEATUS	4	24.6
ANCYLOPSETTA DILECTA	2	32.1
CAULOLATILUS INTERMEDIUS	1	37.5
PRIONOTUS RUBIO	1	52.3
UPENEUS PARVUS	2	59.5
TRICHOPSETTA VENTRALIS	7	83.6
UROPHYCIS CIRRHATUS	5	86.0
MICROPOGON UNDULATUS	1	109.2
CENTROPRISTIS PHILADELPHICA	2	143.4
CYNOSCION ARENARIUS	1	146.7
LEPOPHIDIUM GRAELLSI	6	200.2
EQUEIUS ACUMINATUS	6	227.2
PRISTIPOMOIDES AQUILONARIS	8	747.9
PRIONOTUS PARALATUS	30	761.0
SERRANUS ATRORHANCHUS	90	1765.7
STENOTOMUS CAPRINUS	40	1909.6
TOTALS 19	226	6417.3

TRANSECT 2 STATION 1 D TRAWL 77 FALL
10/04/77 TIME: 1453 SAMPLE CODE: RPQZ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
ETROPUS CROSSOTUS	1	3.8
HULLMANNIA COMMUNIS	1	3.8
HALIEUTICHTHYS ACULEATUS	1	6.1
SPHOENOIDES PARVUS	1	6.1
CENTROPRISTIS PHILADELPHICA	1	7.4
ANCHOA HEPSETUS	1	11.0
SPHOENOIDES PARVUS	4	13.7
PORICHTHYS POROSISSIMUS	1	14.8
PEPRILUS BURTI	2	30.8
GYMNACHIRUS TEXAE	5	42.1
CITHARICHTHYS SPILOPTERUS	7	44.8
CYCLOPSETTA CHITTENDENI	2	48.8
CHAETODIPIPTERUS FARER	4	50.2
DIPLECTRUM BIVITTATUM	4	62.0
ANCYLOPSETTA QUADROCELLATA	1	90.1
HARENGULA PENNSACOLAE	5	114.1
ARIUS FELIS	1	134.8
CYNOSCION ARENARIUS	2	171.1
CYNOSCION NUTHUS	49	205.8
PRIONOTUS RUBIO	10	268.0
STACIUM GUNTERI	41	433.8
POLYDACTYLUS OCTONEMUS	32	1430.2
MICROPOGON UNDULATUS	136	6874.2
TOTALS 23	312	10073.5

TRANSECT 2 STATION 1 D TRAWL 77 FALL
10/04/77 TIME: 1516 SAMPLE CODE: HPTT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHEROIDES PARVUS	1	4.0
CENTROPRISTIS PHILADELPHICA	1	4.4
HALIEUTICHTHYS ACULEATUS	1	4.7
GYMNACHIRUS TEXAE	1	7.7
OGCOCEPHALUS SPECIES	1	9.2
CHAETODIPTERUS FAHER	1	11.9
DIPLECTRUM BIVITTATUM	2	18.5
SYNODUS POEYI	1	21.6
CYCLOPSETTA CHITTENDENI	1	46.2
PRIONOTUS PARALATUS	3	49.0
BULLMANNIA COMMUNIS	2	55.9
PURICHTHYS POROSISSIMUS	4	73.6
CYNOSCION NUTHUS	59	195.9
SYACIUM GUNTERI	16	205.5
PEPRILUS HURTI	11	211.2
CYNOSCION ARENARIUS	8	886.5
POLYDACTYLUS OCTONEMUS	20	900.0
MICROPOGON UNDULATUS	308	5703.7
TOTALS 18	441	8409.5

TRANSECT 2 STATION 1 N TRAWL 77 FALL
10/04/77 TIME: 1859 SAMPLE CODE: BPRD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	4.4
ETROPUS CROSSOTUS	1	11.0
SPHEROIDES PARVUS	5	21.6
CITHARICHTHYS SPILOPTERUS	3	26.5
CENTROPRISTIS PHILADELPHICA	2	27.5
OGCOCEPHALUS SPECIES	3	27.8
LARIMUS FASCIATUS	1	36.1
GYMNACHIRUS TEXAE	3	37.2
PURICHTHYS POROSISSIMUS	2	37.9
CYNOSCION ARENARIUS	1	57.5
PEPRILUS HURTI	2	68.6
CHAETODIPTERUS FAHER	7	91.4
CYNOSCION NUTHUS	32	105.2
ARIUS FELIS	1	125.5
PRIONOTUS RUBIO	10	154.0
POLYDACTYLUS OCTONEMUS	5	242.2
SYACIUM GUNTERI	22	312.5
DASYATIS SAYI	1	1210.0
MICROPOGON UNDULATUS	149	6606.6
TOTALS 19	251	9203.5

TRANSECT 2 STATION 1 N TRAWL 77 FALL
10/04/77 TIME: 1923 SAMPLE CODE: RPTX
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LUTJANUS CAMPECHANUS	1	4.7
CENTROPRISTIS PHILADELPHICA	1	11.3
GYMNACHIRUS TEXAE	1	14.3
SPHEROIDES PARVUS	3	15.3
DIPLECTRUM BIVITTATUM	2	22.3
CITHARICHTHYS SPILOPTERUS	2	29.3
HAENGULA PENSACOLAE	1	32.0
OGCOCEPHALUS SPECIES	4	33.7
HALIEUTICHTHYS ACULEATUS	6	35.8
PURICHTHYS POROSISSIMUS	2	36.0
CYNOSCION NUTHUS	24	66.7
PRIONOTUS RUBIO	6	88.5
PEPRILUS HURTI	6	115.0
CYNOSCION ARENARIUS	2	204.6
POLYDACTYLUS OCTONEMUS	5	224.2
ARIUS FELIS	2	229.4
SYACIUM GUNTERI	35	455.6
MICROPOGON UNDULATUS	293	14733.9
TOTALS 18	396	16352.6

TRANSECT 2 STATION 1 N TRAWL 77 FALL
10/04/77 TIME: 1945 SAMPLE CODE: BPUA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	5.7
DIPLECTRUM BIVITTATUM	1	9.0
TRICHIURUS LEPTURUS	3	14.1
SPHEROIDES PARVUS	6	20.9
CENTROPRISTIS PHILADELPHICA	4	35.4
PEPRILUS HURTI	2	41.6
GYMNACHIRUS TEXAE	4	49.8
CYCLOPSETTA CHITTENDENI	17	55.1
CYCLOPSETTA CHITTENDENI	1	55.7
CHAETODIPTERUS FAHER	4	87.6
PRIONOTUS RUBIO	5	87.8
OGCOCEPHALUS SPECIES	2	276.2
POLYDACTYLUS OCTONEMUS	11	443.7
SYACIUM GUNTERI	34	461.5
CYNOSCION ARENARIUS	4	473.2
ARIUS FELIS	4	545.9
MICROPOGON UNDULATUS	162	7007.2
TOTALS 17	265	13550.4

TRANSECT 2 STATION 2 D TRAWL 77 FALL
10/05/77 TIME: 044 SAMPLE CODE: HPTA
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
LAGOCEPHALUS LAEVIGATUS	1	8.7
PRISTIPOMOIDES AQUILONARIS	4	9.7
CITHARICHTHYS SPILOPTERUS	1	10.2
SAURIDA BRASILIENSIS	3	13.3
SERRANUS ATRORRANCHUS	2	14.3
STENOTOMUS CAPRINUS	1	17.1
DIPLECTRUM BIVITTATUM	3	37.7
CHLOROSCOMBRUS CHRYSURUS	1	40.0
SYACIUM GUNTERI	4	51.5
VOMER SETAPINNIS	1	67.0
MICROPOGON UNULATUS	2	77.8
TRACHURUS LATHAMI	5	102.8
SYNODUS FOETENS	2	169.7
TOTALS 13	30	619.8

TRANSECT 2 STATION 2 D TRAWL 77 FALL
10/05/77 TIME: 913 SAMPLE CODE: BPTD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRISTIPOMOIDES AQUILONARIS	1	2.5
LAGOCEPHALUS LAEVIGATUS	1	13.0
UPENEUS PARVUS	1	22.5
TRACHURUS LATHAMI	4	57.3
SYACIUM GUNTERI	3	60.3
CHLOROSCOMBRUS CHRYSURUS	2	69.6
CENTROPRISTIS PHILADELPHICA	1	72.4
STENOTOMUS CAPRINUS	5	75.7
HARENGULA PENSACOLAE	4	85.1
LUTJANUS CAMPECHANUS	4	87.0
SERRANUS ATRORRANCHUS	9	88.0
LAGODON RHOMBOIDES	2	88.4
DIPLECTRUM BIVITTATUM	12	255.8
PEPRILUS RUMTI	6	291.3
MICROPOGON UNULATUS	8	421.7
CYNOSCION ARENARIUS	5	535.3
SYNODUS FOETENS	8	667.3
TOTALS 17	76	2893.2

TRANSECT 2 STATION 2 N TRAWL 77 FALL
10/04/77 TIME: 2120 SAMPLE CODE: HPTM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	3.2
ENGYOPHRYS SENTA	1	6.5
GYMNACHIRUS TEXAE	1	11.9
OGCOCEPHALUS SPECIES	1	12.4
PRISTIPOMOIDES AQUILONARIS	6	15.2
CITHARICHTHYS SPILOPTERUS	2	19.3
PRIONOTUS RUBIO	2	34.1
SAURIDA BRASILIENSIS	6	41.2
STENOTOMUS CAPRINUS	3	45.8
LUTJANUS CAMPECHANUS	3	77.0
LAGODON RHOMBOIDES	2	80.8
LEPOPHIDIUM GRAELLSI	4	89.2
SYNODUS FOETENS	1	94.7
CENTROPRISTIS PHILADELPHICA	14	144.4
TRICHIURUS LEPTURUS	1	177.8
DIPLECTRUM BIVITTATUM	12	190.9
MICROPOGON UNULATUS	4	197.1
CYCLOPSETTA CHITTENDENI	2	222.3
CYNOSCION ARENARIUS	2	251.1
SERRANUS ATRORRANCHUS	44	307.3
SYACIUM GUNTERI	42	701.3
TOTALS 21	154	2724.3

TRANSECT 2 STATION 2 N TRAWL 77 FALL
10/04/77 TIME: 2348 SAMPLE CODE: HPTK
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNODUS POEYI	1	4.2
PORICHTHYS POROSISSIMUS	1	5.1
PRIONOTUS PARALATUS	1	9.8
LEPOPHIDIUM GRAELLSI	1	12.8
HOLLMANNIA COMMUNIS	3	12.9
GYMNACHIRUS TEXAE	1	15.1
HARENGULA PENSACOLAE	1	18.7
PRISTIPOMOIDES AQUILONARIS	12	31.7
PRIONOTUS STEARNSI	1	34.9
STENOTOMUS CAPRINUS	3	49.9
SAURIDA BRASILIENSIS	8	50.4
HREVOORTIA PATRONUS	1	70.2
CENTROPRISTIS PHILADELPHICA	9	80.5
LUTJANUS CAMPECHANUS	6	94.8
CYNOSCION ARENARIUS	1	101.9
CYCLOPSETTA CHITTENDENI	1	109.0
PRIONOTUS RUBIO	5	110.1
SYACIUM GUNTERI	9	129.3
SERRANUS ATRORRANCHUS	17	142.5
DIPLECTRUM BIVITTATUM	13	147.6
MICROPOGON UNULATUS	5	339.2
TOTALS 21	100	1578.6

TRANSECT 2 STATION 2 N TRAWL 77 FALL
10/05/77 TIME: 123 SAMPLE CODE: BPTN
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SCORPAENA CALCARTA	2	5.7
SYNODUS PUEYI	4	14.4
HOPLUNNIS MACRURIUS	1	20.3
HOLLMANNA COMMUNIS	4	21.2
PRISTIPOMOIDES AQUILONARIS	8	23.2
LEPOPHIDIUM GRAELLSI	2	26.9
PURICHTHYS PORUSISSIMUS	2	30.9
SYNODUS FOETENS	1	37.5
STENOTOMUS CAPRINUS	3	43.1
CITHARICHTHYS SPILOPTERUS	3	45.6
SAURIDA BRASILIENSIS	11	54.9
LUTJANUS CAMPECHANUS	3	56.3
LAGOON RHOMBOIDES	1	73.9
PRIONOTUS RUBIO	5	91.6
CENTROPRISTIS PHILADELPHICA	10	168.5
SERRANUS ATROBRANCHUS	36	246.9
SYACIUM GUNTERI	22	306.4
DIPLECTRUM BIVITTATUM	23	315.7
MICROPOGON UNDULATUS	6	323.5
TOTALS 19	147	1906.5

TRANSECT 2 STATION 3 D TRAWL 77 FALL
10/05/77 TIME: 1731 SAMPLE CODE: BPVT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	2	14.3
UPENEUS PARVUS	1	22.2
TRICHOPSETTA VENTRALIS	3	24.6
PONTINUS LONGISPINIS	1	31.0
SYNODUS FOETENS	1	75.7
TRACHURUS LATHAMI	4	93.0
PRACANTHUS APENATUS	1	185.6
HOOTULA BARBATA	1	310.2
PRIONOTUS PARALATUS	14	336.6
SERRANUS ATROBRANCHUS	29	634.5
STENOTOMUS CAPRINUS	21	1252.9
PRISTIPOMOIDES AQUILONARIS	17	1440.3
TOTALS 12	95	4420.9

TRANSECT 2 STATION 3 D TRAWL 77 FALL
10/05/77 TIME: 1803 SAMPLE CODE: BPVM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRICHOPSETTA VENTRALIS	1	17.4
ANCYLOPSETTA DILECTA	3	50.9
UPENEUS PARVUS	3	83.2
TRACHURUS LATHAMI	7	154.4
PONTINUS LONGISPINIS	6	178.6
SERRANUS ATROBRANCHUS	11	216.6
PRIONOTUS PARALATUS	9	233.7
CAULOLATILUS INTERMEDIUS	5	446.0
STENOTOMUS CAPRINUS	8	521.5
PRISTIPOMOIDES AQUILONARIS	36	1912.5
TOTALS 10	89	3814.8

TRANSECT 2 STATION 1 N TRAWL 77 NOVEMBER
11/20/77 TIME: 1934 SAMPLE CODE: BSSD
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRICHIURUS LEPTURUS	1	1.5
PEPRILUS ALEPIDOTUS	1	2.9
CHAETODIPTERUS FAHER	1	5.9
PURICHTHYS PORUSISSIMUS	1	11.1
SPHEROIDES PARVUS	2	12.0
CENTROPRISTIS PHILADELPHICA	1	18.3
ETROPUS CROSSOTUS	1	26.3
POLYDACTYLUS OCTONEMUS	1	59.8
SYACIUM GUNTERI	9	85.2
MICROPOGON UNDULATUS	4	171.8
CYNOSCION NOTHUS	42	342.9
OGCOCEPHALUS SPECIES	1	586.5
TOTALS 12	65	1324.2

TRANSECT 2 STATION 2 N TRAWL 77 NOVEMBER
11/20/77 TIME: 2239 SAMPLE CODE: BSTF
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRIONOTUS STEARNSI	1	7.2
ENGYOPHYS SENTA	2	8.1
BULLMANNIA COMMUNIS	3	14.3
MYROPHIS PUNCTATUS	1	14.4
PRISTIPOMOIDES AQUILONARIS	5	24.4
LUTJANUS CAMPECHANUS	2	29.5
PURICHTHYS POROSISSIMUS	3	35.6
SYNODUS POEYI	9	45.6
CENTROPRISTIS PHILADELPHICA	3	55.8
LEPOPHIDIUM GRAELLSI	2	62.6
PRIONOTUS NURIO	1	91.4
SYNODUS FOETENS	2	115.4
POLYDACTYLUS OCTONEMUS	2	133.5
SYACIUM GUNTERI	15	173.6
PRIONOTUS PARALATUS	19	221.8
DIPLECTRUM NIVITTATUM	30	288.1
CYNOSCION NOTHUS	6	340.6
SERRANUS ATROBRANCHUS	41	348.7
MICROPOGON UNDULATUS	11	680.5
TOTALS 19	158	2691.1

TRANSECT 2 STATION 1 N TRAWL 77 NOVEMBER
11/20/77 TIME: 1847 SAMPLE CODE: BSSJ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
TRICHIURUS LEPTURUS	1	5.2
SPHOEROIDES PARVUS	1	5.5
CITHARICHTHYS SPILOPTERUS	1	11.0
PURICHTHYS POROSISSIMUS	2	32.7
LEPOPHIDIUM GRAELLSI	1	33.2
SYACIUM GUNTERI	5	36.3
CENTROPRISTIS PHILADELPHICA	2	40.5
SYNODUS FOETENS	2	55.0
MICROPOGON UNDULATUS	2	99.7
CYNOSCION ARENARIUS	1	116.5
CYNOSCION NOTHUS	37	412.4
TOTALS 11	55	848.8

TRANSECT 2 STATION 3 N TRAWL 77 NOVEMBER
11/30/77 TIME: 2002 SAMPLE CODE: BSTQ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HOPLUNNIS TENUIS	1	3.2
TRICHOPESETTA VENTRALIS	1	16.4
ANCYLOPSETTA DILECTA	1	19.4
TRACHURUS LATHAMI	1	36.2
HEMBROPS ANATIROSTRIS	1	40.3
PRIONOTUS PARALATUS	21	258.3
PONTINUS LONGISPINIS	5	267.0
SERRANUS ATROBRANCHUS	18	364.1
PRISTIPOMOIDES AQUILONARIS	5	409.2
STENOTOMUS CAPRINUS	10	808.2
TOTALS 10	72	2230.3

TRANSECT 2 STATION 3 N TRAWL 77 NOVEMBER
11/30/77 TIME: 2112 SAMPLE CODE: BSTW
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	5.2
HOPLUNNIS TENUIS	1	7.3
TRICHOPESETTA VENTRALIS	1	19.5
TRACHURUS LATHAMI	2	81.0
SYNODUS FOETENS	1	104.2
PRIONOTUS PARALATUS	35	622.0
SERRANUS ATROBRANCHUS	39	747.0
STENOTOMUS CAPRINUS	21	1271.3
PRISTIPOMOIDES AQUILONARIS	17	1303.5
TOTALS 9	118	4321.0

TRANSECT 2 STATION 1 N TRAWL 77 NOVEMBER
11/20/77 TIME: 1909 SAMPLE CODE: BSSL
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SPHOEROIDES PARVUS	1	3.8
PRIONOTUS STEARNSI	1	6.4
CENTROPRISTIS PHILADELPHICA	1	16.0
SYMPHURUS PLAGIOSA	1	19.8
UROPHYCIS CIRRATUS	1	23.0
TRICHIURUS LEPTURUS	4	25.7
SYNODUS FOETENS	2	25.7
SYACIUM GUNTERI	7	42.5
PURICHTHYS POROSISSIMUS	3	44.3
MICROPOGON UNDULATUS	2	44.7
LEIOSTOMUS XANTHURUS	1	95.2
POLYDACTYLUS OCTONEMUS	2	106.7
CYNOSCION NOTHUS	28	401.5
TOTALS 13	54	856.1

TRANSECT 2 STATION 2 N TRAWL 77 NOVEMBER
11/20/77 TIME: 2140 SAMPLE CODE: BSSZ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SCORPAENA DISPAR	1	5.3
ETROPUS CROSSOTUS	1	6.7
PORICHTHYS POROSISSIMUS	1	8.3
SYNODUS PDEYI	3	14.5
BULLMANNIA COMMUNIS	3	16.3
HOLLMANNIA COMMUNIS	3	17.9
PRIONOTUS STEARNSI	3	18.8
MYROPHIS PUNCTATUS	1	23.9
GYMNACHIRUS TEXAE	2	28.5
PRISTIPOMOIDES AQUILONARIS	8	36.7
LAGODON RHOMBOIDES	1	36.9
STELLIFER LANCEOLATUS	1	38.1
PRIONOTUS PARALATUS	4	50.3
CENTROPRISTIS PHILADELPHICA	4	65.1
LUTJANUS CAMPECHANUS	2	66.9
PRIONOTUS RUBIO	2	73.5
SYNODUS FOETENS	2	97.3
LEIOSTOMUS XANTHURUS	1	149.1
SERRANUS ATRORRANCHUS	17	159.1
CYNOSCIION ARENARIUS	1	160.0
POLYDACTYLUS OCTONEMUS	3	181.4
DIPLECTRUM BIVITTATUM	14	196.3
SYACIUM GUNTERI	20	247.2
MICROPOGON UNDULATUS	10	452.6
CYNOSCIION NOTHUS	15	1028.9
TOTALS 25	123	3179.6

TRANSECT 2 STATION 2 N TRAWL 77 NOVEMBER
11/20/77 TIME: 2211 SAMPLE CODE: BSTC
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRISTIPOMOIDES AQUILONARIS	4	19.9
CENTROPRISTIS PHILADELPHICA	1	22.0
SYACIUM GUNTERI	5	35.3
LUTJANUS CAMPECHANUS	2	46.7
POLYDACTYLUS OCTONEMUS	1	67.0
SERRANUS ATRORRANCHUS	16	128.2
PRIONOTUS STEARNSI	11	136.2
DIPLECTRUM BIVITTATUM	15	195.9
MICROPOGON UNDULATUS	6	350.9
CYNOSCIION NOTHUS	8	532.6
TOTALS 10	69	1534.7

TRANSECT 2 STATION 3 N TRAWL 77 NOVEMBER
11/30/77 TIME: 2040 SAMPLE CODE: BSTT
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
EQUETUS ACUMINATUS	1	5.2
LEPOPHIDIUM GRAELLSI	1	33.9
PONTINUS LONGISPINIS	2	40.7
PRIONOTUS RUBIO	1	73.0
ANCYLOPSETTA DILECTA	5	92.2
TRACHURUS LATHAMI	3	133.1
CENTROPRISTIS PHILADELPHICA	1	235.9
PRIONOTUS PARALATUS	39	512.0
SERRANUS ATRORRANCHUS	59	1121.5
PRISTIPOMOIDES AQUILONARIS	12	1170.9
STENOTOMUS CAPRINUS	42	2252.0
TOTALS 11	166	5670.4

TRANSECT 02 STATION 01 N TRAWL 77 DECEMBER
12/19/77 TIME: 0240 SAMPLE CODE: BUEM
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BREGMACERUS ATLANTICUS	1	1.2
SAURIDA BRASILIENSIS	1	3.4
SCORPAENA DISPAR	1	6.8
PRIONOTUS PARALATUS	1	11.0
CITHARICHTHYS SPILOPTERUS	1	11.0
UGCOCEPHALUS SPECIES	2	11.3
SPHOEROTIDES PARVUS	3	11.9
BULLMANNIA COMMUNIS	5	16.5
SYMPHURUS PLAGIOSA	1	16.7
CENTROPRISTIS PHILADELPHICA	1	19.1
PORICHTHYS POROSISSIMUS	3	26.4
ETROPUS CROSSOTUS	2	31.2
MICROPOGON UNDULATUS	2	95.0
DIPLECTRUM BIVITTATUM	9	96.9
CYNOSCIION NOTHUS	16	269.5
SYACIUM GUNTERI	85	827.0
TOTALS 16	134	1454.9

TRANSECT 02 STATION 02 N TRAWL 77 DECEMBER
12/16/77 TIME: 2325 SAMPLE CODE: HUF0
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
SYNOBUS FOETENS	1	5.4
ETROPUS CROSSOTUS	1	7.0
STENOTOMUS CAPRINUS	1	24.0
UROPHYCIS CIRRATUS	1	24.0
CENTROPRISTIS PHILADELPHICA	1	25.3
HOLLMANNIA COMMUNIS	5	25.4
PURICHTHYS POROSISSIMUS	3	29.2
BALISTES CAPRISCUS	1	37.2
PRISTIPOMOIDES AQUILONARIS	9	41.1
SERRANUS ATROBRANCHUS	5	52.4
CYCLOPSETTA CHITTENDENI	1	93.1
MICROPOGON UNDULATUS	2	138.5
CYNOSCION NOTHUS	2	143.5
PRIONOTUS RUBIO	3	151.0
PRIONOTUS PARALATUS	13	166.3
DIPLECTRUM BIVITTATUM	24	378.3
SYACIUM GUNTERI	28	453.5
TOTALS 17	101	1795.2

TRANSECT 02 STATION 01 N TRAWL 77 DECEMBER
12/19/77 TIME: 0330 SAMPLE CODE: RUES
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
BREGMACERUS ATLANTICUS	1	.1
DIPLECTRUM BIVITTATUM	1	5.4
PURICHTHYS POROSISSIMUS	1	11.1
SPHOERIDES PARVUS	2	12.4
HOLLMANNIA COMMUNIS	5	15.8
CENTROPRISTIS PHILADELPHICA	1	18.7
LEPOPHIDIUM GRAELLSI	1	23.9
ETROPUS CROSSOTUS	4	62.7
MICROPOGON UNDULATUS	2	117.5
SYACIUM GUNTERI	16	141.9
SYNOBUS FOETENS	6	201.9
CYNOSCION NOTHUS	36	338.8
TOTALS 12	76	950.2

TRANSECT 02 STATION 02 N TRAWL 77 DECEMBER
12/16/77 TIME: 2350 SAMPLE CODE: HUF0
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PRISTIPOMOIDES AQUILONARIS	1	4.1
SERRANUS ATROBRANCHUS	1	6.3
PURICHTHYS POROSISSIMUS	7	27.3
LEPOPHIDIUM GRAELLSI	1	32.6
HOLLMANNIA COMMUNIS	8	37.4
LUTJANUS CAMPECHANUS	1	45.0
LAGODON RHOMBOIDES	2	51.5
PRIONOTUS RUBIO	1	63.0
CENTROPRISTIS PHILADELPHICA	3	116.3
PRIONOTUS PARALATUS	15	187.6
SYACIUM GUNTERI	10	213.7
MICROPOGON UNDULATUS	5	304.1
CYNOSCION NOTHUS	5	312.1
DIPLECTRUM BIVITTATUM	22	343.9
LEIOTOMUS XANTHURUS	5	372.7
OGCOCEPHALUS SPECIES	1	526.9
TOTALS 16	96	2645.3

TRANSECT 02 STATION 02 N TRAWL 77 DECEMBER
12/19/77 TIME: 0005 SAMPLE CODE: RUFJ
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	6.0
SCORPAENA CALCARTA	1	7.9
LUTJANUS CAMPECHANUS	1	16.0
CYCLOPSETTA CHITTENDENI	2	23.1
ENGYOPHRYS SENTA	5	29.4
HOLLMANNIA COMMUNIS	7	29.8
LAGODON RHOMBOIDES	2	41.8
LEIOTOMUS XANTHURUS	1	44.9
PRISTIPOMOIDES AQUILONARIS	10	48.4
PURICHTHYS POROSISSIMUS	7	51.9
MICROPOGON UNDULATUS	1	70.0
PRIONOTUS RUBIO	2	80.0
CYNOSCION NOTHUS	3	170.6
PRIONOTUS PARALATUS	17	213.1
CENTROPRISTIS PHILADELPHICA	5	279.4
DIPLECTRUM BIVITTATUM	33	464.4
SYACIUM GUNTERI	39	528.8
TOTALS 17	137	2105.5

TRANSECT #4 STATION #1 TRAWL 77 FALL
09/25/77 TIME: SAMPLE CODE: BUPEP
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HALIEUTICHTHYS ACULEATUS	1	6.1
OGCOCEPHALUS SPECIES	1	8.4
LEPOPHIDIUM GRAELLST	1	10.5
SPHNEROIDES PARVUS	2	11.0
ANCHOA HEPSETUS	1	18.5
SCORPAENA CALCARTA	2	20.9
SYNODUS FOETENS	2	28.3
HOLLMANNIA COMMUNIS	10	42.7
CENTROPRISTIS PHILADELPHICA	2	43.4
ETROPUS CROSSOTUS	2	44.3
PORICHTHYS POROSTISSIMUS	4	56.4
DIPLECTRUM BIVITTATUM	9	92.2
MICROPYGON UNDULATUS	3	208.1
CYNOSCION NUTHUS	20	268.2
SYACIUM GUNTERTI	56	503.6
TOTALS 15	116	1363.4

TRANSECT 2 STATION 3 N TRAWL 77 DECEMBER
12/18/77 TIME: 1907 SAMPLE CODE: BUFY
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
HEMANTHIAS VIVANUS	1	22.0
ANCYLOPSETTA DILECTA	2	23.2
PIKEA MEXICANA	2	23.7
DECODON PUELLARIS	1	25.1
OGCOCEPHALUS SPECIES	2	36.1
PUNTIUS LONGISPINIS	4	65.7
PRISTIPOMOIDES AQUILONARIS	3	73.6
STENOTOMUS CAPRINUS	2	117.0
SYNODUS FOETENS	1	155.3
CAULOLATILUS INTERMEDIUS	3	164.4
TRICHOPSETTA VENTRALIS	13	199.9
SERRANUS ATROBRANCHIUS	12	220.3
NEOMERINTHE HEMINGWAYI	1	454.2
PRIONOTUS PARALATUS	30	588.6
TOTALS 14	77	2169.9

TRANSECT 2 STATION 3 N TRAWL 77 DECEMBER
12/18/77 TIME: 2042 SAMPLE CODE: RUGH
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
GYMNACHIRUS TEXAE	1	14.4
HALIEUTICHTHYS ACULEATUS	3	20.0
PORICHTHYS POROSTISSIMUS	2	25.1
UPENEUS PARVUS	1	33.3
UROPHYCIS CIRRATUS	1	34.2
EQUETUS ACUMINATUS	1	38.7
PRIONOTUS RUBIO	1	51.4
TRICHOPSETTA VENTRALIS	4	58.0
CENTROPRISTIS PHILADELPHICA	1	58.3
ANCYLOPSETTA DILECTA	2	76.8
CYNOSCION ARENARIUS	1	186.5
LEIOSIGMUS XANTHURUS	1	253.4
SYNODUS FOETENS	1	305.7
UROPHYCIS FLORIDANUS	2	330.5
STENOTOMUS CAPRINUS	10	447.2
PRIONOTUS PARALATUS	23	467.2
SERRANUS ATROBRANCHIUS	49	887.3
PRISTIPOMOIDES AQUILONARIS	14	1249.0
TOTALS 18	118	4537.0

TRANSECT 2 STATION 3 N TRAWL 77 DECEMBER
12/18/77 TIME: 1832 SAMPLE CODE: BUFY
BLM-STOCS DEMERSAL FISHES

SPECIES	ABUNDANCE	WEIGHT (GM)
PORICHTHYS POROSTISSIMUS	1	23.6
HALIEUTICHTHYS ACULEATUS	4	26.6
EQUETUS ACUMINATUS	1	40.1
UROPHYCIS CIRRATUS	1	50.9
PUNTIUS LONGISPINIS	1	54.2
KATHETOSTOMA ALBIGUTTA	1	62.8
CENTROPRISTIS PHILADELPHICA	1	81.8
DECODON PUELLARIS	1	145.2
OGCOCEPHALUS SPECIES	2	174.2
BLMOROPS ANATIROSTRIS	2	179.1
ANCYLOPSETTA DILECTA	6	196.1
TRICHOPSETTA VENTRALIS	18	294.3
CAULOLATILUS INTERMEDIUS	4	317.3
SYNODUS FOETENS	4	804.3
STENOTOMUS CAPRINUS	17	917.1
PRIONOTUS PARALATUS	81	1425.7
SERRANUS ATROBRANCHIUS	89	1721.3
PRISTIPOMOIDES AQUILONARIS	16	1785.9
TOTALS 18	250	8260.5

APPENDIX R

HISTOPATHOLOGY OF DEMERSAL FISHES

LIST OF TABLES

<u>Table</u>		<u>Page</u>
1	Fixatives	R-2
2	Hematoxylin and Eosin Staining Procedure	R-3
3	Staining Solutions-Harris Hematoxylin and Eosin	R-4
4	Verhoeff and Van Gieson Staining Procedure	R-5
5	Staining Solutions-Verhoeff and Van Gieson	R-6

TABLE 1
FIXATIVESBuffered Neutral Formalin

37-40% formaldehyde	100.0 ml
Distilled water	900.0 ml
Sodium phosphate monobasic	4.0 gm
Sodium phosphate dibasic (anhydrous)	6.5 gm

Helly Solution

Stock Solution

Distilled water	100.0 ml
Mercuric chloride	5.0 gm
Potassium dichromate	2.5 gm
Sodium sulfate	1.0 gm
Add immediately before use:	
37-40% formaldehyde	5.0 ml

TABLE 2

HEMATOXYLIN AND EOSIN STAINING PROCEDURE

1. Xylene - 3 changes, 2 minutes each
2. Absolute ethyl alcohol - 2 changes, 2 minutes each
3. 95% ethyl alcohol - 2 changes, 2 minutes each
4. Alcoholic iodine - 15 minutes
5. Rinse in tap water
6. 5% Sodium thiosulfate - 5 minutes
7. Running tap water - 5 minutes
8. Distilled water rinse
9. Harris hematoxylin - 15 minutes
10. Alkaline water - until tissue is blue
11. Acid water - until tissue is pink
12. Alkaline water - until tissue is gray-blue
13. Distilled water - 1 minute
14. Eosin - 5 minutes
15. 95% ethyl alcohol - 2 changes, 2 minutes each
16. Absolute ethyl alcohol - 2 changes, 2 minutes each
17. Xylene - 2 changes, 2 minutes each
18. Mount - histoclad mounting medium

TABLE 3

STAINING SOLUTIONS-HARRIS HEMATOXYLIN AND EOSIN

Harris Hematoxylin:

Hematoxylin	5 gm
Absolute ethyl alcohol	50 ml
Aluminum ammonium sulfate	100 gm
Distilled water	1000 ml
Mercuric oxide	2.5 gm

Eosin:

Eosin	4 gm
Absolute ethyl alcohol	200 ml
Distilled water	600 ml

Alcoholic iodine:

Iodine crystals	10 gm
95% ethyl alcohol	1000 ml

Alkaline water:

Sodium bicarbonate	10 gm
Distilled water	800 ml

Acid water:

Concentrated hydrochloric acid	4 ml
Distilled water	800 ml

TABLE 4

VERHOEFF AND VAN GIESON STAINING PROCEDURE

1. Xylene - 3 changes, 2 minutes each
2. Absolute ethyl alcohol - 2 changes, 2 minutes each
3. 95% ethyl alcohol - 2 changes, 2 minutes each
4. Distilled water
5. Verhoeff solution - 15 minutes
6. Rinse in distilled water
7. Differentiate in 2% ferric chloride - 12 seconds
8. 5% sodium thiosulfate - 1 minute
9. Running tap water - 5 minutes
10. Van Gieson solution - 1 minute
11. Differentiate in 95% ethyl alcohol
12. Absolute ethyl alcohol - 2 changes, 2 minutes each
13. Xylene - 2 changes, 2 minutes each
14. Mount - histoclad mounting medium

TABLE 5

STAINING SOLUTIONS-VERHOEFF AND VAN GIESON

Verhoeff stock solution:

With aid of heat dissolve 25 gm hematoxylin in 550 ml of absolute ethyl alcohol. Cool and filter.

Verhoeff stain:

Verhoeff stock solution	240.0 ml
10% Ferric chloride	96.0 ml
Iodine solution	96.0 ml

Iodine solution:

Potassium iodine	40.0 gm
Distilled water	1000.0 ml
Dissolve and add:	
Iodine	20.0 gm

Van Gieson stain:

Saturated solution of picric acid	800.0 ml
1% Acid Fuchsin (aqueous)	56.0 ml

APPENDIX S

HISTOPATHOLOGY OF INVERTEBRATE EPIFAUNA

List of Tables

<u>Table</u>		<u>Page</u>
1	Number of Shrimp with Gill Symbionts by Season	S-5
2	Number of Shrimp with Gill Symbionts by Station	S-7
3	Number of Shrimp with Gill Pathologies other than Symbionts by Season	S-9
4	Number of Shrimp with Gill Pathologies other than Symbionts by Station	S-11
5	Number of Crabs with Gill Symbionts by Season	S-13
6	Number of Crabs with Gill Symbionts by Station	S-15
7	Number of Crabs with Gill Pathologies other than Symbionts by Season	S-17
8	Number of Crabs with Gill Pathologies other than Symbionts by Station	S-19
9	Number of Molluscs with Gill Symbionts by Season	S-21
10	Number of Molluscs with Gill Symbionts by Station	S-22
11	Number of Molluscs with Gill Pathologies other than Symbionts by Season	S-23
12	Number of Molluscs with Gill Pathologies other than Symbionts by Station	S-24
13	Number of Shrimp with Symbionts in Internal Organs by Season	S-25
14	Number of Shrimp with Symbionts in Internal Organs by Station	S-26
15	Number of Shrimp with Pathologies other than Symbionts in Internal Organs by Season	S-27
16	Number of Shrimp with Pathologies other than Symbionts in Internal Organs by Station	S-28
17	Number of <i>Penaeus aztecus</i> with Symbionts in Internal Organs by Season	S-29

List of Tables Cont.'d

<u>Table</u>		<u>Page</u>
18	Number of <i>Penaeus aztecus</i> with Symbionts in Internal Organs by Station	S-30
19	Number of <i>Penaeus aztecus</i> with Pathologies other than Symbionts in Internal Organs by Season	S-31
20	Number of <i>Penaeus aztecus</i> with Pathologies other than Symbionts in Internal Organs by Station	S-32
21	Number of <i>Penaeus setiferus</i> with Symbionts in Internal Organs by Season	S-33
22	Number of <i>Penaeus setiferus</i> with Symbionts in Internal Organs by Station	S-34
23	Number of <i>Penaeus setiferus</i> with Pathologies other than Symbionts in Internal Organs by Season	S-35
24	Number of <i>Penaeus setiferus</i> with Pathologies other than Symbionts in Internal Organs by Station	S-36
25	Number of <i>Trachypenaeus similis</i> with Symbionts and other Pathologies in Internal Organs by Season	S-37
26	Number of <i>Trachypenaeus similis</i> with Symbionts and other Pathologies in Internal Organs by Station	S-38
27	Number of <i>Sicyonia dorsalis</i> with Symbionts in Internal Organs by Season	S-39
28	Number of <i>Sicyonia dorsalis</i> with Symbionts in Internal Organs by Station	S-40
29	Number of <i>Sicyonia dorsalis</i> with Pathologies other than Symbionts in Internal Organs by Season	S-41
30	Number of <i>Sicyonia dorsalis</i> with Pathologies other than Symbionts in Internal Organs by Station	S-42
31	Number of <i>Sicyonia stimpsoni</i> with Symbionts and other Pathologies in Internal Organs by Season	S-43
32	Number of <i>Sicyonia stimpsoni</i> with Symbionts and other Pathologies in Internal Organs by Station	S-44
33	Number of <i>Solenocera vioscai</i> with Symbionts and other Pathologies in Internal Organs by Season	S-45
34	Number of <i>Solenocera vioscai</i> with Symbionts and other Pathologies in Internal Organs by Station	S-46

List of Tables Cont.'d

<u>Table</u>		<u>Page</u>
35	Number of <i>Squilla chydrea</i> with Symbionts and other Pathologies in Internal Organs by Season	S-47
36	Number of <i>Squilla chydrea</i> with Symbionts and other Pathologies in Internal Organs by Station	S-48
37	Number of Crabs with Symbionts in Internal Organs by Season	S-49
38	Number of Crabs with Symbionts in Internal Organs by Station	S-50
39	Number of Crabs with Pathologies other than Symbionts in Internal Organs by Season	S-51
40	Number of Crabs with Pathologies other than Symbionts in Internal Organs by Station	S-52
41	Number of <i>Callinectes similis</i> with Symbionts and other Pathologies in Internal Organs by Season	S-53
42	Number of <i>Callinectes similis</i> with Symbionts and other Pathologies in Internal Organs by Station	S-54
43	Number of <i>Portunus spinicarpus</i> with Symbionts and other Pathologies in Internal Organs by Season	S-55
44	Number of <i>Portunus spinicarpus</i> with Symbionts and other Pathologies in Internal Organs by Station	S-56
45	Number of <i>Portunus gibbesii</i> with Symbionts and other Pathologies in Internal Organs by Season	S-57
46	Number of <i>Portunus gibbesii</i> with Symbionts and other Pathologies in Internal Organs by Station	S-58
47	Number of <i>Anasimus latus</i> with Symbionts and other Pathologies in Internal Organs by Season	S-59
48	Number of <i>Anasimus latus</i> with Symbionts and other Pathologies in Internal Organs by Station	S-60
49	Number of Molluscs with Symbionts in Internal Organs by Season	S-61
50	Number of Molluscs with Symbionts in Internal Organs by Station	S-63
51	Number of Molluscs with Pathologies other than Symbionts in Internal Organs by Season	S-65

List of Tables Cont.'d

<u>Table</u>		<u>Page</u>
52	Number of Molluscs with Pathologies other than Symbionts in Internal Organs by Station	S-66
53	Number of <i>Amusium papyraceus</i> with Symbionts in Internal Organs by Season	S-67
54	Number of <i>Amusium papyraceus</i> with Symbionts in Internal Organs by Station	S-68
55	Number of <i>Amusium papyraceus</i> with Pathologies other than Symbionts in Internal Organs by Season	S-69
56	Number of <i>Amusium papyraceus</i> with Pathologies other than Symbionts in Internal Organs by Station	S-70
57	Number of <i>Neopycnodonta cochlear</i> with Symbionts in Internal Organs by Season	S-71
58	Number of <i>Neopycnodonta cochlear</i> with Symbionts in Internal Organs by Station	S-72
59	Number of <i>Loligo pealei</i> with Symbionts and other Pathologies in Internal Organs by Season	S-73
60	Number of <i>Loligo pealei</i> with Symbionts and other Pathologies in Internal Organs by Station	S-74

TABLE 1
NUMBER OF SHRIMP GILLS WITH SYMBIONTS BY SEASON

Species	No. of Specimens				SYMBIONTS																																											
					303 (203)				305 (203)				308 (202)				308 (204)				308 (205)				310 (203)				310 (204)				310 (202)				316 (203)				317 (202)							
					Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W				
<i>Penaeus aztecus</i>	25	32	11	21	1				1												1				1																18	8	2	8				
<i>Penaeus setiferus</i>	7		10	11																					1												7		1	5								
<i>Trachypenaeus stimpfli</i>	12	5	15	12					1						2				1																		12	5	13	10								
<i>Sicyonia dorsalis</i>	5	11	10	5																									1						1				1		3	11	10	5	2	5	6	1
<i>Sicyonia utupaoni</i>	6																																				6											
<i>Solenosera vioscai</i>		5	11																																				5	8								
% and Totals	55	53	57	49	2				4				4				2				2				2				2				2		2		2		2		84	55	60	57	4	9	11	4
<i>Squilla chydasa</i>	5		6	5																																							4					
<i>Squilla empusa</i>	7			3																																	4			1								
% and Totals	12		6	8																																	33		67	13								

TABLE 1 CONT.'D
NUMBER OF SHRIMP GILLS WITH SYMBIONTS BY SEASON

Species	No. of Specimens				SYMBIONTS																																								Total %	Total				
					318 (203)				319 (202)				319 (204)				320 (202)				320 (205)				321 (202)				322 (203)				323 (202)				335 (203)													
					Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W						
<i>Penaeus aztecus</i>	25	32	11	21					1				2				19	7	5		1												1												19	34	9	14	76	85
<i>Penaeus setiferus</i>	7		10	11			1		1	2	1		5	5	4						1								1												14		9	13	36	129				
<i>Trachypenaeus similis</i>	12	5	15	12									1	3	7	3																									13	9	23	13	58	132				
<i>Sicyonia dorsalis</i>	5	11	10	5													10	9	1										1												5	26	29	7	67	216				
<i>Sicyonia stimpsoni</i>	6																																				6				6	100								
<i>Solenocera vioscai</i>		5	11														5	3															2								10	13			23	144				
Σ and Totals	55	53	57	49			2		2				2	4	4	2	11	70	54	27	2	2							2				2				2				4				57	79	83	47	266	124
<i>Squilla chydrea</i>	5		6	5																					1																1		4		5	31				
<i>Squilla empusa</i>	7			3	1																																				5			1	6	60				
Σ and Totals	12		6	8	13																				13												6		4		50	67	13	42						

TABLE 2
NUMBER OF SHRIMP WITH GILL SYMBIONTS BY STATION

Species	No. of Specimens			SYMBIONTS																																
				303 (203)			305 (203)			308 (204)			308 (205)			308 (202)			310 (203)			310 (202)			310 (204)			316 (203)			317 (202)					
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3						
<i>Penaeus aztecus</i>	22	45	22		1		1						1	1																	8	23	5			
<i>Penaeus setiferus</i>	28																					1									13			1		
<i>Trachypenaeus similis</i>	27	12	5				1					1						2													25	11	4			
<i>Sicyonia dorsalis</i>		31																	1				1				1					29				14
<i>Sicyonia stipsoni</i>		6																														6				
<i>Solenocera vioscai</i>		5	11																													4	9			
Σ and Totals	77	99	38		1		3					3	1	3				5			1		1		1	1			60	74		1	14			
<i>Squilla chydrea</i>	11		5																												4					
<i>Squilla empusa</i>	10																														5					
Σ and Totals	21		5																										43							

TABLE 2 CONT.'D
NUMBER OF SHRIMP WITH GILL SYMBIONTS BY STATION

Species	No. of Specimens			SYMBIONTS																											Total Z	Total	Σ						
				318 (203)			319 (202)			319 (204)			320 (202)			320 (205)			321 (202)			322 (203)			323 (202)			335 (203)						Total Z					
				1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3				1	2	3			
<i>Penaeus aztecus</i>	22	45	22							1	1	1				8	21	2		1									1						19	48	9	76	85
<i>Penaeus setiferus</i>	28			1						4			14			1			1															36			36	129	
<i>Trachypenaeus similis</i>	27	12	5										9	4	1																			35	15	8	58	132	
<i>Sicyonia dorsalis</i>		31											20												1									67			67	216	
<i>Sicyonia stimpsoni</i>		6																																6			6	100	
<i>Solenocera vioscai</i>		5	11										3	5																	2			7	16	23	144		
Z and Totals	77	99	38	1						3	6	1	40	48	21	1	1		1						1		1				5			90	143	33	266	124	
<i>Squilla chydrea</i>	11		5																						1									4		1	5	31	
<i>Squilla empusa</i>	10			1																														6			6	60	
Z and Totals	21		5	5																											10		1	11		42			
																															48		20	42					

TABLE 3
NUMBER OF SHRIMP WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY SEASON

Species	No. of Specimens				PATHOLOGIES																																																																
					401 (202)				401 (204)				401 (205)				405 (202)				406 (204)				407 (202)				407 (204)				408 (202)				410 (202)				410 (204)																												
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W																													
<i>Penaeus aztecus</i>	25	32	11	21	3	30	9	8																																																													
<i>Penaeus setiferus</i>	7		10	11	6		10	9				2	1																																																								
<i>Trachypenaeus similis</i>	12	5	15	12	1	5	14	5																																																													
<i>Sicyonia dorsalis</i>	5	11	10	5	1	11	9	4									1	1							5	11	10	5																																									
<i>Sicyonia stimpsoni</i>	6				1																6																																																
<i>Solenosera vioscai</i>		5	11			5	7					1																																																									
Σ and Totals	55	53	57	49	22	96	86	53				2				4	2					2	2							20	23	21	10					2				4	4	2	6	5				5	4																		
<i>Squilla chydrea</i>	5		6	5			3																																																														
<i>Squilla empusa</i>	7			3																																																																	
Σ and Totals	12		6	8			50																																																														

TABLE 3 CONT.'D
NUMBER OF SHRIMP WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY SEASON

Species	No. of Specimens				PATHOLOGIES																				Total %				Total	Σ																				
					503 (202)				504 (202)				529 (202)				529 (204)				529 (205)										540 (202)				557 (202)															
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Total	Σ				
<i>Penaeus aztecus</i>	23	32	11	21									10	7	4	1	4	4	2	7													1												22	44	15	16	97	109
<i>Penaeus setiferus</i>	7		10	11			1						2		5	4	4		4	5									1												13	24		20	57	204				
<i>Trachypenaeus similis</i>	12	5	15	12									5		8	4	2		4	1									1												9	5	27	12	53	120				
<i>Sicyonia dorsalis</i>	5	11	10	5	1								2	1	1	1			1						2																10	25	21	13	69	223				
<i>Sicyonia stimpsoni</i>	6							2									1																								10				10	167				
<i>Solenopora vioscai</i>		5	11										1	4					1																						6	19			25	64				
Σ and Totals	55	53	57	49	2		2	4					35	17	39	20	20	8	21	27	4	2			2				2												64	80	106	61	311	145				
<i>Squilla chydæa</i>															3	3			1																								7	3	10	63				
<i>Squilla empusa</i>																1																												1	1	10				
Σ and Totals	12		6	8											50	50			17																				7	4	11	42								
																																			117	50														

TABLE 4
NUMBER OF SHRIMP WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY STATION

Species	No. of Specimens			PATHOLOGIES																																			
				401 (202)			401 (204)			401 (205)			405 (202)			406 (204)			407 (202)			407 (204)			408 (202)			410 (202)			410 (204)								
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3									
<i>Penaeus astacus</i>	22	45	22	16	26	8																																	
<i>Penaeus setiferus</i>	28			25						3									1									2											
<i>Trachypenaeus striolis</i>	27	12	5	14	6	5																						1						2					
<i>Styonia dorsalis</i>		31			25								1				1					31									2								
<i>Styonia stirpseni</i>		6			1																	6																	
<i>Solenocera vioscai</i>		5	11		4	8					1												1			1								3					1
% and Totals	77	99	38	71	63	55				3	4				1			1	1	38	3					3	6	2	3				5	8				3	
<i>Squilla hyalina</i>	11			5	3																																		
<i>Squilla erpusa</i>	10																																						
% and Totals	21			5	14																																		

TABLE 4 CONT.'D
NUMBER OF SHRIMP WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY STATION

Species	No. of Specimens			PATHOLOGIES																								Total %			Total	%			
				503 (202)			504 (202)			529 (202)			529 (204)			529 (205)			540 (202)			557 (202)													
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3								
<i>Penaeus</i> <i>ateocaus</i>	22	45	22							5	13	4		11	6										1						24	51	22	97	109
<i>Penaeus</i> <i>setiferus</i>	28			1						11			13			1															57			57	204
<i>Trachypenaeus</i> <i>sinilis</i>	27	12	5							7	7	3	4	1	2				1												27	16	10	53	120
<i>Sicyonia</i> <i>dorsalis</i>		31			1						5			1			2														69			69	223
<i>Sicyonia</i> <i>stimpsoni</i>		6						2						1																	10			10	167
<i>Solenocera</i> <i>vioccai</i>		5	11								3	2			1																10	15	25	64	
Σ and Totals	77	99	38	1	1			2		30	28	24	22	14	24	1	2		1						1						108	156	47	311	145
																															140	158	124		
<i>Squilla</i> <i>chydaca</i>	11		5							6				1																	10		0	10	63
<i>Squilla</i> <i>empusa</i>	10									1																					1		0	1	10
Σ and Totals	21		5							33				5																	11			11	42
																															42				

TABLE 5
NUMBER OF CRABS WITH GILL SYMBIONTS BY SEASON

Species	No. of Specimens				SYMBIONTS																																							
					301 (202)			305 (203)			308 (204)			311 (203)			316 (203)			320 (202)			320 (205)			322 (203)			328 (201)			329 (203)												
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W				
<i>Callinectes similis</i>	0	20	11	21					4	1	2														1	2	2		1				1	2	3						1			1
<i>Portunus spinicarpus</i>	7	16	11	5					2																							1					1							
<i>Portunus gibbesii</i>	12	0	0	6											1					2																								
<i>Anasimus latus</i>	1	7	11	0	1				1				1			2					8				1				2				4	2										
<i>Myropsis quinquespinosa</i>	1																																											
Σ and Totals	21	43	33	32	5				14	6	6		2			6				3	2	23	13		2	3			2	12	12		9	6			5			3				

TABLE 5 CONT.'D
NUMBER OF CRABS WITH GILL SYMBIONTS BY SEASON

Species	No. of Specimens				SYMBIONTS																								Total Z				Total	Z																																
					330 (203)				331 (202)				334 (203)																																																					
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W																		
<i>Callinectes similis</i>	0	20	11	21					1	1																																											9	6	8		23	44								
<i>Portunus spinicarpus</i>	7	16	11	5					3	2	4																																						6	2	5		13	33												
<i>Portunus gibbesii</i>	12	0	0	6																																																									3	3			3	18
<i>Anasimus latus</i>	1	7	11	0	1								3																																				1	6	19		26	137												
<i>Myropsis quinquespinosa</i>	1																																																0				0	0												
Z and Totals	21	43	33	32	2				9	9	13		9																																1	21	27	16	65	50																
																																									5	49	82	50		50																				

TABLE 6
NUMBER OF CRABS WITH GILL SYMBIONTS BY STATION

Species	No. of Specimens			SYMBIONTS																													
				301 (202)			305 (203)			308 (204)			311 (203)			316 (203)			320 (202)			320 (205)			322 (203)			328 (201)			329 (203)		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
<i>Callinectes similis</i>	20	27	5				1	6											1	3	1	1				5	1						2
<i>Fortunus spinicarpus</i>		6	33						2																	1							1
<i>Fortunus gibbesii</i>	18												1			2																	
<i>Anasimus latus</i>			19		1			1			1			2			8						1			2			6				
<i>Myopsis quinquespinosa</i>			1																														
Σ and Totals	38	33	58		2	3	18	5			2		3	3		8	33	2	3	2		15	7		18			6	2				

TABLE 6 CONT.'D
NUMBER OF CRABS WITH GILL SYMBIONTS BY STATION

Species	No. of Specimens			SYMBIONTS																								Total %			Total	%												
				330 (203)			331 (202)			334 (203)																																		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3					
<i>Callinectes similis</i>	20	27	5					2																																2	19	2	23	44
<i>Portunus spinicarpus</i>		6	33						9																													0	13	13	33			
<i>Portunus gibbeati</i>	18																																				3			3	17			
<i>Anasimus latus</i>			19			1						3																											26	26	137			
<i>Myropsis quinquespinosa</i>			1																																				0	0				
% and Totals	38	33	58			2		6	16			5																									5	19	41	65				
																																					13	100	47	50	50			

TABLE 7
NUMBER OF CRABS WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY SEASON

Species	No. of Specimens				PATHOLOGIES																																							
					401 (202)				401 (205)				402 (202)				402 (205)				403 & 404 (202)				405 (202)				406 (204)				406 & 407 (205)				407 (202)				408 (202)			
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W				
<i>Callinectes similis</i>	0	20	11	21	12	7	14		10	7	7		8	8	13		6	1			1	1	4		13	6	18		1		3		9	6	6		10	2	7		2	1	5	
<i>Portunus spinicarpus</i>	7	16	11	5	2				1	10	2	2									5	12	7	5					2		1	6	4	1	2	3	1	2						
<i>Portunus gibbesii</i>	12	0	0	6	6		6	1	1	4		3					1		1	10	6	1			4		2	6			1	4												
<i>Anasimus latus</i>	1	7	11	0	1	1	9		1	5		3									2	9							1				2				1	3						
<i>Myropsis quinquespinosa</i>	1								1											1													1											
Σ and Totals	21	43	33	32	33	35	48	61	5	26	36	25	29	42	39	56		18	3	5	2	3	16	76	63	67	91	5	2	9	19	28	18	28	62	37	6	28	29	14	12	22		

TABLE 7 CONT.'D
NUMBER OF CRABS WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY SEASON

Species	No. of Specimens				PATHOLOGIES																				Total	Σ																
					411 (202)				503 (205)				529 (202)				529 (204)				529 (205)						Total 2															
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W			Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Total	Σ		
<i>Callinectes similis</i>	0	20	11	21	2		1						2		3		10	4	13		3	1	4														84	49	99		232	446
<i>Portunus spinicarpus</i>	7	16	11	5	2				1				3	6	3	1					1																18	41	14	12	85	218
<i>Portunus gibbesii</i>	12	0	0	6					2				3			5	1																43		25		68	378				
<i>Arcadinus latus</i>	1	7	11	0	2						1		1	1							2												1	11	33		45	237				
<i>Myropsis quinquespinosa</i>	1																																3				3	300				
Σ and Totals	21	43	33	32	14	3	2		14	5	3	9	29	40	24	59	5	7	12	13													65	137	96	136	433	336				
																																	309	162	291	425	336					

TABLE 8
NUMBER OF CRABS WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY STATION

Species	PATHOLOGIES																																	
	No. of Specimens			401 (202)			401 (205)			402 (202)			402 (205)			403 & 404 (202)			405 (202)			406 (204)			406 & 407 (205)			407 (202)			408 (202)			
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Callinectes similis</i>	20	27	5	8	22	3	9	13	2	9	17	3	3	4				3	3	16	16	5	1	3		10	10	1	5	11	3	1	3	4
<i>Portunus spinicarpus</i>		6	33			2						15								4	25							3	5	6		1	7	
<i>Portunus gibbesii</i>	18			12			2			7						2			16				1			6			7			4		
<i>Anasirus latus</i>			19			11			6			3									11							1			2			4
<i>Myropsis quinquespinosa</i>			1									1									1								1					
Σ and Totals	38	33	58	53	67	28	29	39	14	42	52	38	8	12		5	9	5	84	61	72	5	9			42	30	9	32	48	21	13	12	26

TABLE 8 CONT.'D
 NUMBER OF CRABS WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY STATION

Species	No. of Specimens			SYMBIONTS																								Total %			Total	%									
				411 (202)			503 (205)			529 (202)			529 (204)			529 (205)																									
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3					
<i>Callinectes similis</i>	20	27	5	2	1		1			1	3	1	10	13	4	5	3																				81	122	29	232	446
<i>Portunus spinicaopus</i>		6	33			2					1		2	11			1																				14	73	85	218	
<i>Portunus gibbesii</i>	18									2			8			1																		68			68	378			
<i>Anasimus latus</i>			19			2					1			2			2																				45	45	237		
<i>Myropsis quinquespinosa</i>			1																																		3	3	300		
X and Totals	38	33	58	5	3	7	3			8	9	5	47	45	29	16	9	5																149	134	150	433	336			
																																		392	406	259	336				

TABLE 9
NUMBER OF MOLLUSCS WITH GILL SYMBIONTS BY SEASON

Species	No. of Specimens		SYMBIONTS																								Total Z				Total	Z																				
			308 (202)				315 (202)				323 (202)				324 (209)																																					
			Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W		
<i>Amusium papyraceus</i>	11	31	1	6	1								2				11	12		6																									14	12		6	32	65		
<i>Pecten gibbus</i>	1																																												0				0	0		
<i>Neopycnodonta cochlear</i>	5																																												0				0	0		
<i>Loligo pealei</i>	6	17		6		1		1				1																																	1		2	3	10	10		
Z and Totals	23	48	1	12	4	2		8			8	8					48	25		50																					14	13		8	35	42						
																																									61	27		67								

TABLE 10
NUMBER OF MOLLUSCS WITH GILL SYMBIONTS BY STATION

Species	No. of Specimens			SYMBIONTS																											Total %	Total	%							
				308 (202)			315 (202)			323 (202)			324 (209)																											
				1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3				1	2	3	1	2	3	
<i>Amusium papyraceus</i>	18	31		1								2			29																						1	31	32	65
<i>Pecten gibbus</i>	1																																				0		0	0
<i>Neopyenodonta cochlear</i>		5																																			0		0	0
<i>Loligo pealei</i>	17	12		1		1			1																									1		2	3	10		
% and Totals	17	19	48	6	5	2			2			4			60																			1	1	33	35	42		
																																		6	5	69				

TABLE 11
NUMBER OF MOLLUSCS WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY SEASON

Species	PATHOLOGIES																				Total	Σ																				
	No. of Specimens				503 (202)				504 (202)				505 (202)				507 (202)						529 (202)				Total %															
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W			Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W				
<i>Amusium papyraceus</i>	11	31	1	6					1																												0	3	0	0	3	6
<i>Pecten gibbus</i>	1																																				0					
<i>Neopygonodonta cochlear</i>	5																																				0					
<i>Loligo pealei</i>	6	17	6		1	1			1						1		1																				0	3		2	5	17
Σ and Totals	23	48	1	12	2	8			4				8		2		4																				6	2	8	10		
																																	13	17								

TABLE 12
 NUMBER OF MOLLUSCS WITH GILL PATHOLOGIES OTHER THAN SYMBIONTS BY STATION

Species	No. of Specimens			PATHOLOGIES															Total Z			Total	Z											
				503 (202)			504 (202)			505 (202)			507 (202)			529 (202)								1 2 3			1 2 3			1 2 3				
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	Total	Z					
<i>Amasium papyraceus</i>		18	31						1																						0	3	3	6
<i>Pecten gibbus</i>		1																																
<i>Neopyrenodonta cochlear</i>			5																															
<i>Loligo pealei</i>	17		12	1		1	1						1	1																	3	2	5	17
Z and Totals	17	19	48	6		2	6		2				2	6																	3	5	8	10
																															18	10		

TABLE 13
NUMBER OF SHRIMP WITH SYMBIONTS IN INTERNAL ORGANS BY SEASON

Symbiont	ORGANS																				Total	z																								
	No. of Specimens				105				107				110				111						113				117				121				Total											
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W			Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W
302								1	4	13	8	7	2			1				1				1				3				1				1					4	18	12	10	44	18
304					1			1	2	2																		3				4									6	6	1		13	5
307													4	14	3	11																					4	14	3	11	32	13				
310					3	4	8	2	11	20	10	10	1				10	2	2					2	20	16	10	9									34	51	30	25	140	58				
315						1																															1				1	0.4				
319									1								1								3			2									3	2		2	7	3				
329													3																								3				3	1				
398													1	1														1									2	1			3	1				
Total	67	53	63	57																																	57	92	46	48	243	101				
																																					z	85	174	73	84					

TABLE 14
 NUMBER OF SHRIMP WITH SYMBIONTS IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN																											Total			Total	x
				105			107			110			111			113			117			121													
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2
302				1			27	3	2	3				1			1			3	1		2							38	4	2	44	18	
304					2		1	2	1										1	5	1										2	9	2	13	5
307										7	18	7																			7	18	7	32	13
310				14	3		11	30	10		1		3	8	3		2		16	27	12							30	83	27	140	58			
315						1																								1	1	0.4			
319							1								1				5									6		1	7	3			
329											3																		3		3	1			
398										1	1										1							1	1	1	3	1			
Total	98	99	43																									84	118	41	243	101			
																												x	86	119	95				

TABLE 15
 NUMBER OF SHRIMP WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY SEASON

Pathology	ORGAN																				Total	Σ																					
	No. of Specimens				105				106				107				110						111				117				125				Total								
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W			Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	
501					1	1	3	1																													1	1	3	1	6	3	
503																									1												1				1	0.4	
504													1	1	1																						1	1	1		3	1	
507																													1								1				1	0.4	
520						2	1						3	2	1	2									1	1	1	2									4	3	4	5	16	7	
521													4	1	3										1												5	1	3		9	4	
529					2	2		2					1	2	11	7	10	1		3	2					3	2	4	5									8	15	14	20	57	24
540					1								1	1	4	5			1						2	2											2	3	7	5	17	7	
541					1		1						2	2	1										2	3											5	5	2		12	5	
542							5						1	7	4	1					3				2	6	3	2									3	16	12	3	34	14	
549					1												1				1				1												2	2			4	2	
550																		1								1													2		2	1	
Total	67	53	63	57																																	25	52	47	38	162	68	
																																					Σ	37	98	75	67		

TABLE 16
 NUMBER OF SHRIMP WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY STATION

Pathology	No. of Specimens			ORGAN																											Total			Total	%							
				105			106			107			110			111			117			125																				
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3									
501				3	1	2																												3	1	2	6	3				
503																																								1	1	0.4
504										1		2																						1		2	3	1				
507																																		1			1	0.4				
520					3					6	1	1																						6	8	2	16	7				
521										7	1											1												8	1		9	4				
529				2	4					1	14	10	6	5	1										5	6	3							26	21	10	57	24				
540					1					7	3	1	1												1	2	1							9	6	2	17	7				
541					2					3	2																	4	1					3	8	1	12	5				
542					5					7	5	1							1		2	4	8	1										12	18	4	34	14				
549				1												1	1								1									3		1	4	2				
550													1												1									2			2	1				
Total	98	99	43																															74	63	25	162	68				
																																		76	64	58						

TABLE 17
 NUMBER OF PENAEUS AZTECUS WITH SYMBIONTS IN INTERNAL ORGANS BY SEASON

Symbiont	ORGAN																				Total	Σ																	
	No. of Specimens				105				107				110				111						117				Total												
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W			Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	
302									1	12	1		2								3												1	17	1		19	21	
304						1			1	1											2												1	3	1		5	6	
307													3	12	2	8																	3	12	2	8	25	28	
310					1	1	1	1	5	14	4	7					10	2	1		11	12	1	6									17	37	8	15	77	87	
319										1								1				2											4				4	4	
398													1																				1				1	1	
Total	25	32	11	21																													22	74	11	24	131	147	
																																	Σ	88	231	100	114		

TABLE 18
 NUMBER OF PENAËUS AZTECUS WITH SYMBIONTS IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN															Total			Total	Σ														
				105			107			110			111			117																					
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3			1	2	3	1	2	3	1	2	3	1	2	3		
302							10	3	1	2							3															15	3	1	19	21	
304				1			1		1								1		1													2	1	2	5	6	
307											6	14	5																			6	14	5	25	28	
310				2	2		9	12	9					2	8	3	9	10	11													20	32	25	77	87	
319							1										1	2														3		1	4	4	
398											1																					1			1	1	
Total	22	45	22																													47	50	34	131	147	
																																Σ	214	111	155		

TABLE 19
 NUMBER OF PENAEUS AZTECUS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY SEASON

Pathology	ORGAN																				Total	%																								
	No. of Specimens				105				106				107				110						111				117				Total															
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W			Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W				
501					1			1																																	1			1	2	2
503																																									1				1	1
504													1			1																									1				2	2
520													1			2																					1			1	5	6				
521													4			1																					5			1	6	7				
529													1			8																	1			1	1			3	23	26				
540													1			2																					2			2	4	4				
541													1																								2			1	3	3				
542													1																								13			1	14	16				
549																																					1				2	2				
Total	25	32	11	21																																					3	40	4	15	62	70
																																									12	125	36	71		

TABLE 21
 NUMBER OF PENAEUS SETIFERUS WITH SYMBIONTS IN INTERNAL ORGANS BY SEASON

Symbiont	ORGAN																				Total	Σ																							
	No. of Specimens				107				110				111				117						119				Total																		
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W			Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Σ		
302					2		3	6				1				1																									2	4	8	14	50
307												1																															1	1	4
310					1											1	1			1	2																2	1	3	6	21				
319																	1																				1				4				
Totals	7		10	11																																	5	5	12	22	79				
																																					Σ	71	50	109					

TABLE 22
 NUMBER OF PENAEUS SETIFERUS WITH SYMBIONTS IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN																		Total			Total	Σ															
				107			110			111			117			119																									
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3					
302				11			1			1						1																					14			14	50
307							1																														1			1	4
310				1						1				4																							6			6	21
319													1																								1			1	4
Total	28																																				22			22	79
																																					Σ	79			

TABLE 24
 NUMBER OF PENAEUS SETIFERUS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY STATION

Pathology	No. of Specimens			ORGAN																					Total			Total	%												
				105			107			110			111			117																									
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3			1	2	3									
501				2																														2			2	7			
504							1																											1			1	4			
520							4																											4			4	14			
521							3																											3			3	11			
529				1			9			5						5																		20			20	71			
540							6			1						1																		8			8	29			
541							2																											2			2	7			
542							3									2																		5			5	18			
549				1									1																					2			2	7			
550										1						1																		2			2	7			
Total	28																																	49			49	175			
																																					%	175			

TABLE 25
 NUMBER OF TRACHYPENAEUS SIMILIS WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGAN																Total				Total	%																			
	Sp	S	F	W	105				107				110				113				117																								
302									1	1	4									1																				1	1	5		7	16
307																		2																			2		2	5					
310									1																										3		2		5	11					
398														1																					1				1	2					
Total	12	5	15	12																															5	1	7	2	15	34					
																																			%	42	20	47	17						
Pathology																																													
501					1																														1				1	2					
542																		1																			1		1	2					
Total	12	5	15	12																															0	1	1	0	2	5					
																																			%	20									

TABLE 26
 NUMBER OF TRACHYPENAEUS SIMILIS WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN															Total			Total	%										
	1	2	3	105			107			110			113			117																	
302							6						1															7			7	16	
307										2																		2			2	5	
310							1									3			1									4		1	5	11	
398										1																		1			1	2	
Total	27	12	5																									11	3	1	15	34	
																												%	41	50	40		
Pathology																																	
501				1																								1			1	2	
542													1															1			1	2	
Total	27	12	5																									2	0	0	2	5	
																												%	7				

TABLE 27
 NUMBER OF SICYONIA DORSALIS WITH SYMBIONTS IN INTERNAL ORGANS BY SEASON

Symbiont	ORGANS																				Total	Σ																										
	No. of Specimens				105				107				110				113						117				Total																					
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W			Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Total	Σ								
304					1				1	1											3	2															5	3			8	26						
307														1																								1			1	3						
310					1	3	7	1	3	5	6	3	1								2	5	4	5	1												9	13	18	7	47	152						
Total	5	11	10	5																																	14	16	19	7	56	181						

TABLE 28
NUMBER OF SICYONIA DORSALIS WITH SYMBIONTS IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN																		Total			Total	Σ									
				105			107			110			113			117																			
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3			1	2	3	1	2	3			
304					1			2									5														8			8	26
307											1																				1			1	3
310					12			17			1			2			15														47			47	152
Total		31																													56			56	181
																															Σ	181			

TABLE 29
 NUMBER OF SICYONIA DORSALIS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY SEASON

Pathology	ORGAN																				Total	Total	Σ															
	No. of Specimens				105				107				110				117							Total														
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W				Sp	S	F	W	Sp	S	F	W	Sp	S	F	W			
520							2	1	1												1												2		3	2	7	23
529					2			1	1	2	1	1	1								1	1	1										5	3	2	2	12	39
540					1				1		1											1	1									2	1	2		5	16	
541					1				1	1										2	2											4	3			7	23	
542							4		1	1	2									1	2	2	1									2	3	8	1	14	45	
Total	5	11	10	5																											15	10	15	5	45	145		
																															2	300	91	150	100			

TABLE 30
 NUMBER OF SICYONIA DORSALIS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY STATION

Pathology	No. of Specimens			ORGAN															Total			Total	%										
				105			107			110			117																				
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3			1	2	3	1	2	3				
520					3			1						3																	7	7	23
529					3			5			1			3																	12	12	39
540					1			2						2																	5	5	16
541					1			2						4																	7	7	23
542					4			4						6																	14	14	45
Total		31																													45	45	145
																															145		

TABLE 31
 NUMBER OF SICYONIA STIMPSONI WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens	ORGAN																				Total	Σ																	
		105				107				110				117																		Total	Σ							
		Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W			Sp	S	F	W	Sp	S	F	W			Sp	S	F	W	Sp	S	F
307												1																										1	1	17
310						1				1								1																				3	3	50
329												3																										3	3	50
Total	6																																					7	7	117
																																						Σ 117		
Pathology																																								
529										1																												1	1	17
Total	6																																					1	1	17
																																						Σ 17		

TABLE 32
 NUMBER OF SICYONIA STIMPSONI WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN																								Total			Total	Z
				105			107			110			117																			
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
307										1																				1	1	17
310				1			1						1																	3	3	50
329										3																				3	3	50
Total	6																												7	7	117	
																														2	117	
Pathology																																
529							1																							1	1	17
Total	6																													1	1	17
																														2	17	

TABLE 33
 NUMBER OF SOLENOCERA VIOSCAI WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY SEASON

Symbiont	ORGAN																				Total	Total	%															
	No. of Specimens				105				107				110				117							Total														
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W				Sp	S	F	W	Sp	S	F	W	Sp	S	F	W			
302											1								1																2		2	13
307															2																		2		2	13		
310											1								1														1	1	2	13		
315							1																										1		1	6		
Total		5	11																														4	3	7	44		
																																	2	80	27			
Pathology																																						
501							1																											1	1	6		
529											1																						1		1	6		
Total		5	11																														1	1	2	13		
																																	2	20	9			

TABLE 34
 NUMBER OF SOLENOCERA VIOSCAI WITH SYMBIANTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN															Total			Total	%													
	1	2	3	105			107			110			117														1	2	3							
302									1						1																		1	1	2	13
307												2																					2	2	13	
310									1						1																1	1	2	13		
315						1																									1	1	6			
Total		5	11																												2	5	7	44		
																																	%	40	45	
Pathology																																				
501						1																									1	1	6			
529									1																						1	1	6			
Total		5	11																												1	1	2	13		
																																	%	20	9	

TABLE 35
NUMBER OF SQUILLA CHYDAEA WITH SYMBIANTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens	ORGANS																Total				Total	Σ																					
		117				121				125																																		
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Σ	Σ	Σ	Σ				
302											1	1																													1	1	2	13
319								2																																			2	13
398					1																																		1	6				
Total	5		6	5																																			1	3	5	31		
																																			Σ	20			17	60				
Pathology																																												
507															1																								1	6				
Total	5		6	5																																			0	1	0	1	6	
																																			Σ	17								

S-47

TABLE 36
 NUMBER OF SQUILLA CHYDAEA WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN															Total			Total	Σ							
	1	2	3	117			121			125														1	2	3				
302							2																		2			2	13	
319				2																						2			2	13
398						1																						1	6	
Total	11		5																							4	1	5	31	
																									Σ	36		20		
Pathology																														
507									1																	1			1	6
Total	11		5																							1	0	1	6	
																									Σ	17				

TABLE 37
 NUMBER OF CRABS WITH SYMBIONTS IN INTERNAL ORGANS BY SEASON

Symbiont	ORGAN																				Total	Σ																					
	No. of Specimens				105				106				107				110						113				Total																
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W			Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W					
302													2	1							2	1	2														4	2	2		8	6	
308									1																												1				1	1	
310					1	3							1	4	1	2					2												1	7	4	2	14	11					
319																					2		1										2		1		3	2					
325													1								1												2				2	2					
398																	1																				1				1	1	
Total	21	43	33	32																																	2	16	6	5	29	22	
																																					Σ	10	37	18	16		

TABLE 38
 NUMBER OF CRABS WITH SYMBIONTS IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN															Total			Total	Σ										
				105			106			107			110			113																	
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3			1	2	3	1	2	3				
302												3				3	2											3	2	3	8	6	
308									1																					1	1	1	
310						4					1	7				1		1										2		12	14	11	
319																	2	1											2	1	3	2	
325												1						1											1	1	2	2	
398														1														1			1	1	
Total	38	33	58																									6	5	18	29	22	
																												Σ	16	15	31		

TABLE 40
 NUMBER OF CRABS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY STATION

Pathology	No. of Specimens			ORGAN																					Total			Total	Σ												
	1	2	3	105			106			107			110																												
				1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3			1	2	3									
501				1																																				1	1
529							1	7	2		4	8	1	4	1																			2	15	11	28	22			
540											2	2	1	2																1	4	2	7	5							
542												1																					1	1	1						
549												1	2																		1	2	3	2							
550												1																					1	1	1						
Total	38	33	58																												3	21	17	41	32						

TABLE 42
 NUMBER OF CALLINECTES SIMILIS WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN															Total			Total	Σ										
				105			106			107			110			113																	
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3			
302																2	2											2	2		4	8	
310																1												1			1	2	
319																2	1											2	1		3	6	
325																1												1			1	2	
Total	20	27	5																									3	5	1	9	17	
																												Σ	15	19	20		
Pathology																																	
501				1																								1			1	2	
529							7			4	1		4															15	1		16	31	
540										2			2															4			4	8	
549										1																		1			1	2	
Total	20	27	5																									0	21	1	22	42	
																												Σ	78	20			

TABLE 43
NUMBER OF PORTUNUS SPINICARPUS WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY SEASON

Symbiont	No. of Specimens				ORGANS																																Total				Total	Σ																						
	Sp	S	F	W	106								107																																																			
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Σ	Σ	Σ	Σ								
302									2	1																																							2	1			3	8										
310									3		2																																		3		2	5	13															
325									1																																				1				1	3														
Total	7	16	11	5																																													0	6	1	2	9	23										
																																																	Σ	38	9	40												
Pathology																																																																
529						1			2	3	1																																		2	4	1	7	18															
540									1		1																																		1		1	2	5															
542									1																																				1			1	3															
549									1			1																													1		1	2	5																			
550												1																																1	1	3																		
Total	7	16	11	5																																									1	4	4	4	13	33														
																																													Σ	14	25	36	80															

TABLE 45
 NUMBER OF PORTUNUS GIBBESII WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY SEASON

Symbiont	ORGAN																						Total	Σ																		
	No. of Specimens				106				107				110				113				Total																					
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S			F	W	Sp	S	F	W	Sp	S	F	W								
302																																										
310												1																									1	1				
398																1																					1	1				
Total	12		6																																		2	1				
																																					Σ 17	17				
Pathology																																										
529								1								1																					1	1				
540																1																						1				
Total	12		6																																		1	2				
																																					Σ 17	33				

TABLE 46
 NUMBER OF PORTUNUS GIBBESII WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN															Total			Total	Σ											
				106			107			110			113																					
				1	2	3	1	2	3	1	2	3	1	2	3	1	2	3						1	2	3	1	2	3	1	2	3		
302													1															1			1			6
310							1																					1			1			6
398										1																		1			1			6
Total	18												1															3			3			17
																												Σ	17					
Pathology																																		
529				1						1																		2			2			11
540										1																		1			1			6
Total	18			1						1																		3			3			17
																												Σ	17					

TABLE 49
NUMBER OF MOLLUSCS WITH SYMBIONTS IN INTERNAL ORGANS BY SEASON

Symbiont	ORCAN																				Sub-Total	Total	Σ																			
	No. of Specimens				105				106				107				108							110				111				112				117						
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W				Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F
302					1								1				1				1	5								4			1	1			3	12			15	18
303													3	6		2					1	4			1								8	9		2	13	19		4	36	43
304													3	4		1					2	5		1									6				5	15		2	22	26
308																																										
310					1								2	10		2					2												2	1			3	14		3	20	24
311																					1												1				1	1				
312																									8	15		6					8	15		6	29	35				
314													2	8		1																	2	8		1	11	13				
319													4	1							2	3		1	1								2	4		1	9	8		1	19	23
323																					1												1				1	1				
325													5								4			1					1	1			2	3			12	5			17	20
327													5																								5				5	6
330													1																				1				2				2	2
336									1	10		2																									1	10		2	13	15
398													1	3							1	1											1	2		1	3	6		1	10	12
Sub-total	23	48	1	12																																	54	121	3	23	201	

TABLE 49 CONT.'D
 NUMBER OF MOLLUSCS WITH SYMBIONTS IN INTERNAL ORGANS BY SEASON

Symbiont	ORGAN																				Sub-Total	Total	%																								
	No. of Specimens				120				122				150																																		
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W				Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W
302					8								9																																17	17	20
304									4																																4	4	5				
308									2																																2	2	2				
319					1				4																																5	5	6				
323									5		3																														5	3	8	10			
325					1								2		2																										3	2	5	6			
Sub-Total	23	48	1	12																																					0	36	0	5	41		
Complete Total	23	48	1	12																																					54	157	3	28	242	288	
																																									2	235	327	300	23	288	

TABLE 50
NUMBER OF MOLLUSCS WITH SYMBIONTS IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN																		Sub-Total			Sub-Total	Σ							
				105			106			107			108			110			111								112			117			
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3			1	2	3				
302						1						1				2	3	1				4					2	7	6	2	15	18	
303												3	8					1	4			1					4	15		8	28	36	43
304												1	7						8									6		1	21	22	26
308																																	
310						1							14						2									3			20	20	24
311																1														1	1	1	1
312																						29									29	29	35
314													11																		11	11	13
319												1	4			1		5			1						7	1	1	17	19	23	
323																			1												1	1	1
325												1	4					5				1		1			5	1	1	15	17	20	
327													5																		5	5	6
330													1														1			1	1	2	2
336									13																						13	13	15
398												2	2						2									4		2	8	10	12
Sub-total	17	19	48																									9	20	172	201		

TABLE 50 CONT.'D
 NUMBER OF MOLLUSCS WITH SYMBIONTS IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN																								Sub-Total			Sub-Total	%									
				120			122			150																															
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3					
302				8						9																											17			17	20
304									4																													4		4	5
308								1	1																										1	1	2	2			
319				1					4																										1	4	5	6			
323									8																											8	8	10			
325				1						2	2																								3	2	5	6			
Sub-total	17	19	48																															21	1	19	41				
Complete Total	17	19	48																															30	21	191	242	288			
																																		%	176	111	398				

TABLE 51
 NUMBER OF MOLLUSCS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY SEASON

Pathology	ORGAN																				Total	Total	Σ																							
	No. of Specimens				105				107				110				111							117				120				122				Total										
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W				Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W			
501					1																																				1				1	1
504									1																																1				1	1
520									1	1											1	1	1																		1	2			3	4
521					1				2				3								1	1	1		1																1	8	1	10	12	
529							2		8	2			5				1	2							5	2															1	20	6	27	32	
540																									1																1			1	1	
541									1				1												2																4			4	5	
542									1																																1			1	1	
549									1																		1	1													1	2		3	4	
551									1																																1			1	1	
Total	23	48	1	12																																					4	14	0	7	62	
																																									2	17	85	58		

TABLE 52
 NUMBER OF MOLLUSCS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY STATION
 ORGAN

Pathology	No. of Specimens			105			107			110			111			117			120			122			Total			Total	%		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3				
501						1																									
504								1																			1				
520									2						1													3			
521						1				2	1	1	1				3	1										2	1	7	
529						2			1	9			5		1	2												2	25	27	
540																1													1		
541									1			1					2												4		
542									1																				1		
549									1																				1	2	3
551										1																				1	
Total	17	19	48																												

TABLE 53
 NUMBER OF AMUSIUM PAPYRACEUS WITH SYMBIONTS IN INTERNAL ORGANS BY SEASON

Symbiont	ORGAN																				Total	z																								
	No. of Specimens				105				106				107				110						111				117				122				Total											
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W			Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W				
302					1								1				1	3											1	1											3	5			8	16
303													3	6		2		4			1								4	9		2									8	19		4	31	63
304													3	4	1		2	5	1										6				4								5	19	2		26	53
308																													2												2	4				
310					1								2	10		2	2												2	1							3	14	3		19	39				
311																	1																				1	2								
312																					8	15		6													8	15	6		28	57				
314													2	8		1																					2	8	1		11	22				
319													4	1			2	2	1		1								2	4			4				9	11	1		21	43				
323																	1																5	3			1	5	3		9	18				
325																	5				4	1							2	2							11	3			14	29				
327													5																								5	10								
330													1																1								2	4								
336									1	10		2																									1	10	2		13	27				
398													1	3			1	1											1	2		1					3	6	1		10	20				
Total	11	31	1	6																																					245	410	300	388	262	412

TABLE 54
NUMBER OF AMUSIUM POPYRACEUS WITH SYMBIONTS IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN																					Total			Total	Σ								
				105			106			107			110			111			117			122															
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3							
302						1						1			3	1						2												6	2	8	16
303												3	8			1	3			1			4	11									8	23	31	63	
304												1	7				8							6			4						1	25	26	53	
308																											1	1			1	1	2	4			
310						1							14				2							3									20	20	39		
311																1																	1	1	2		
312																				29													29	29	57		
314													11																				11	11	22		
319												1	4			5			1			6			4						1	20	21	43			
323																1											8						9	9	18		
325												1	4			5							4									1	13	14	29		
327													5																				5	5	10		
330													1										1										1	1	2	4	
336									13																								13	13	27		
398												2	2			2							4														
Total		18	31									2	2			2							4									2	8	10	20		
																																0	21	181	202	412	
																																117	584				

TABLE 55
NUMBER OF AMUSIUM PAPYRACEUS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY SEASON

Pathology	ORGAN																				Total	%																								
	No. of Specimens				105				107				110				111						117				122				Total															
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W			Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W				
501					1																																				1				1	2
504									1																																1				1	2
520									1	1											1																				1	2			3	6
521					1				2				2								1	1		1																	1	6	1		8	16
529							2		8		2		5				1	2							5		2														1	20	6		27	55
540																					1																				1				1	2
541									1				1								2																				4				4	8
542									1																																1				1	2
549									1																1	1															1	2			3	6
551									1																																1				1	2
Total	11	31	1	6																																					4	39	0	7	50	102
																																									36	126	117			

TABLE 56
 NUMBER OF AMUSIUM PAPYRACEUS WITH PATHOLOGIES OTHER THAN SYMBIONTS IN INTERNAL ORGANS BY STATION

Pathology	No. of Specimens			ORGAN																								Total	Total	%																
				105			107			110			111			117			122												Total															
				1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3				1	2	3	1	2	3										
501						1																															1			1			2			
504									1																												1			1			2			
520												2																												3			3			6
521						1						2			1			1																			1		7	8		16				
529						2						1			9																						2		25	27		55				
540																																								1			1			2
541												1						1																						4			4		8	
542												1																												1			1		2	
549												1																									1		2	3		6				
551												1																												1			1		2	
Total				18		31																																		5		45	50		102	
																																								28		145				

TABLE 59
 NUMBER OF LOLIGO PEALEI WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY SEASON

Symbiont	ORGAN																				Total				Total	%																								
	No. of Specimens				108				110				112				117				120						150																							
	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W			Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W	Sp	S	F	W				
302					1				2				4												8				9																24				24	83
319									1									1							1																2	1			3	10				
325													1				1					1			1				2	2											4	4			8	28				
Total	6	17		6																																					0	30	5	35	121					
																																									%	176	83							
Pathology																																																		
521									1																1																2				2	7				
Total	6	17		6					1																1																0	2	0	2	7					
																																									%	12								

TABLE 60
 NUMBER OF LOLIGO PEALEI WITH SYMBIONTS AND OTHER PATHOLOGIES IN INTERNAL ORGANS BY STATION

Symbiont	No. of Specimens			ORGAN															Total			Total	%																	
	1	2	3	108			110			112			117			120			150																					
				1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3										
302				1			2			4						8			9															24		24	83			
319							1							1	1																		2	1	3	10				
325										1		1			1	1			2		2												4	4	8	28				
Total	17		12																														30	5	35	121				
Pathology																																								
521							1								1																			2		2	7			
Total	17		12																														2	0	2	7				



The Department of the Interior Mission

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.



The Minerals Management Service Mission

As a bureau of the Department of the Interior, the Minerals Management Service's (MMS) primary responsibilities are to manage the mineral resources located on the Nation's Outer Continental Shelf (OCS), collect revenue from the Federal OCS and onshore Federal and Indian lands, and distribute those revenues.

Moreover, in working to meet its responsibilities, the **Offshore Minerals Management Program** administers the OCS competitive leasing program and oversees the safe and environmentally sound exploration and production of our Nation's offshore natural gas, oil and other mineral resources. The MMS **Minerals Revenue Management** meets its responsibilities by ensuring the efficient, timely and accurate collection and disbursement of revenue from mineral leasing and production due to Indian tribes and allottees, States and the U.S. Treasury.

The MMS strives to fulfill its responsibilities through the general guiding principles of: (1) being responsive to the public's concerns and interests by maintaining a dialogue with all potentially affected parties and (2) carrying out its programs with an emphasis on working to enhance the quality of life for all Americans by lending MMS assistance and expertise to economic development and environmental protection.