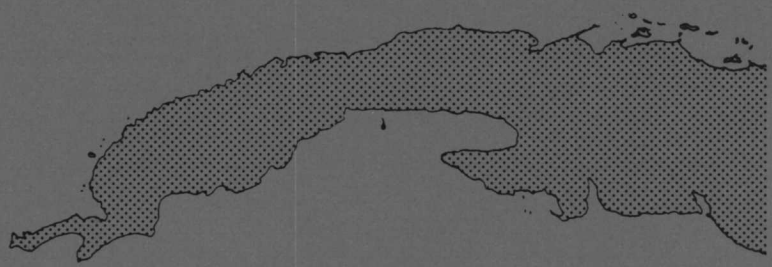

Prepared for:
U.S. Department of the Interior, Minerals Management Service
Gulf of Mexico OCS Region, Metairie, Louisiana
Contract 14-12-0001-29142
April 15, 1983

This report has been reviewed by the Minerals Management Service and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the Minerals Management Service, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.

APPENDIX B - SUPPORTING DATA

SOUTHWEST FLORIDA SHELF ECOSYSTEMS STUDY - YEAR 1

Prepared for
U.S. Department of the Interior
Minerals Management Service
Gulf of Mexico OCS Region
Metairie, Louisiana

Contract 14-12-0001-29142

April 15, 1983

Woodward-Clyde Consultants
Consulting Engineers, Geologists and Environmental Scientists

Continental Shelf Associates, Inc.
"Applied Marine Science and Technology"

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The data provided in this appendix volume should be considered preliminary and will be refined and/or corrected during the subsequent Year II study program. At that time complete listings of all final data will be presented.

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APPENDIX B - SUPPORTING DATA

APPENDIX B-1 PERCENT COVERAGE OF BIOLOGICAL ASSEMBLAGES ALONG TRANSECTS

Table 1. Percent coverage of biological assemblages along each transect in the 20-30 m depth interval.

Biological Assemblages	Transects					
	A	B	C	D	E	F
Inner and Middle Shelf Sand Bottom Assemblage	82.1	100.0	58.9	72.7	100.0	
Inner Shelf Live Bottom Assemblage I			41.1	27.3		
Inner and Middle Shelf Live Bottom Assemblage II	17.9					
Middle Shelf Algal Nodule Assemblage						
Agaricia Coral Plate Assemblage						
Outer Shelf Sand Bottom Assemblage						
Outer Shelf Crinoid Assemblage						
Outer Shelf Prominences Live Bottom Assemblage						
Outer Shelf Low-Relief Live Bottom Assemblage						

Table 2. Percent coverage of biological assemblages along each transect in the 30-40 m depth interval.

Biological Assemblages	Transects					
	A	B	C	D	E	F
Inner and Middle Shelf Sand Bottom Assemblage	100.0	87.1	50.9	100.0	100.0	
Inner Shelf Live Bottom Assemblage I						
Inner and Middle Shelf Live Bottom Assemblage II		12.9	49.1			
Middle Shelf Algal Nodule Assemblage						
Agaricia Coral Plate Assemblage						
Outer Shelf Sand Bottom Assemblage						
Outer Shelf Crinoid Assemblage						
Outer Shelf Prominences Live Bottom Assemblage						
Outer Shelf Low-Relief Live Bottom Assemblage						

Table 3. Percent coverage of biological assemblages along each transect in the 40-50 m depth interval.

Biological Assemblages	Transects					
	A	B	C	D	E	F
Inner and Middle Shelf Sand Bottom Assemblage	81.8	100.0	33.6	57.5	100.0	
Inner Shelf Live Bottom Assemblage I						
Inner and Middle Shelf Live Bottom Assemblage II	18.2		66.4	42.5		
Middle Shelf Algal Nodule Assemblage						
Agaricia Coral Plate Assemblage						
Outer Shelf Sand Bottom Assemblage						
Outer Shelf Crinoid Assemblage						
Outer Shelf Prominences Live Bottom Assemblage						
Outer Shelf Low-Relief Live Bottom Assemblage						

Table 4. Percent coverage of biological assemblages along each transect in the 50-60 m depth interval.

Biological Assemblages	Transects					
	A	B	C	D	E	F
Inner and Middle Shelf Sand Bottom Assemblage	69.5	100.0	88.7	90.0	91.0	
Inner Shelf Live Bottom Assemblage I						
Inner and Middle Shelf Live Bottom Assemblage II	30.5		11.3	10.0	9.0	
Middle Shelf Algal Nodule Assemblage						
Agaricia Coral Plate Assemblage						
Outer Shelf Sand Bottom Assemblage						
Outer Shelf Crinoid Assemblage						
Outer Shelf Prominences Live Bottom Assemblage						
Outer Shelf Low-Relief Live Bottom Assemblage						

Table 5. Percent coverage of biological assemblages along each transect in the 60-70 m depth interval.

Biological Assemblages	Transects					
	A	B	C	D	E	F
Inner and Middle Shelf Sand Bottom Assemblage	80.6	74.6	100.0	100.0	42.0	
Inner Shelf Live Bottom Assemblage I						
Inner and Middle Shelf Live Bottom Assemblage II	19.4				2.9	
Middle Shelf Algal Nodule Assemblage		25.4			49.3	
Agaricia Coral Plate Assemblage					5.8	
Outer Shelf Sand Bottom Assemblage						
Outer Shelf Crinoid Assemblage						
Outer Shelf Prominences Live Bottom Assemblage						
Outer Shelf Low-Relief Live Bottom Assemblage						

Table 6. Percent coverage of biological assemblages along each transect in the 70-80 m depth interval.

Biological Assemblages	Transects					
	A	B	C	D	E	F
Inner and Middle Shelf Sand Bottom Assemblage	38.3	20.4	97.3	56.0		12.2
Inner Shelf Live Bottom Assemblage I						
Inner and Middle Shelf Live Bottom Assemblage II			1.8			7.6
Middle Shelf Algal Nodule Assemblage		79.6		44.0		80.2
Agaricia Coral Plate Assemblage					100.0	
Outer Shelf Sand Bottom Assemblage	61.7		0.9			
Outer Shelf Crinoid Assemblage						
Outer Shelf Prominences Live Bottom Assemblage						
Outer Shelf Low-Relief Live Bottom Assemblage						

Table 7. Percent coverage of biological assemblages along each transect in the 80-90 m depth interval.

Biological Assemblages	Transects					
	A	B	C	D	E	F
Inner and Middle Shelf Sand Bottom Assemblage				42.9		48.2
Inner Shelf Live Bottom Assemblage I						
Inner and Middle Shelf Live Bottom Assemblage II			9.5			3.6
Middle Shelf Algal Nodule Assemblage		85.7		57.1	22.5	48.2
Agaricia Coral Plate Assemblage					77.5	
Outer Shelf Sand Bottom Assemblage	100.0	14.3	90.5			
Outer Shelf Crinoid Assemblage						
Outer Shelf Prominences Live Bottom Assemblage						
Outer Shelf Low-Relief Live Bottom Assemblage						

Table 8. Percent coverage of biological assemblages along each transect in the 90-100 m depth interval.

Biological Assemblages	Transects					
	A	B	C	D	E	F
Inner and Middle Shelf Sand Bottom Assemblage						14.4
Inner Shelf Live Bottom Assemblage I						
Inner and Middle Shelf Live Bottom Assemblage II						
Middle Shelf Algal Nodule Assemblage				17.9	100.0	0.7
Agaricia Coral Plate Assemblage						
Outer Shelf Sand Bottom Assemblage	100.0	88.2	100.0	82.1		82.1
Outer Shelf Crinoid Assemblage		11.8				
Outer Shelf Prominences Live Bottom Assemblage						
Outer Shelf Low-Relief Live Bottom Assemblage						2.8

Table 9. Percent coverage of biological assemblages along each transect in the 100-110 m depth interval.

Biological Assemblages	Transects					
	A	B	C	D	E	F
Inner and Middle Shelf Sand Bottom Assemblage						
Inner Shelf Live Bottom Assemblage I						
Inner and Middle Shelf Live Bottom Assemblage II						
Middle Shelf Algal Nodule Assemblage					100.0	
Agaricia Coral Plate Assemblage						
Outer Shelf Sand Bottom Assemblage	100.0	75.6	100.0	100.0		100.0
Outer Shelf Crinoid Assemblage		24.4				
Outer Shelf Prominences Live Bottom Assemblage						
Outer Shelf Low-Relief Live Bottom Assemblage						

Table 10. Percent coverage of biological assemblages along each transect in the 110-120 m depth interval.

Biological Assemblages	Transects					
	A	B	C	D	E	F
Inner and Middle Shelf Sand Bottom Assemblage						
Inner Shelf Live Bottom Assemblage I						
Inner and Middle Shelf Live Bottom Assemblage II						
Middle Shelf Algal Nodule Assemblage						
Agaricia Coral Plate Assemblage						
Outer Shelf Sand Bottom Assemblage	100.0	100.0	100.0	61.4		54.6
Outer Shelf Crinoid Assemblage				38.6		35.2
Outer Shelf Prominences Live Bottom Assemblage						
Outer Shelf Low-Relief Live Bottom Assemblage					100.0	10.2

Table 11. Percent coverage of biological assemblages along each transect in the 120-130 m depth interval.

Biological Assemblages	Transects					
	A	B	C	D	E	F
Inner and Middle Shelf Sand Bottom Assemblage						
Inner Shelf Live Bottom Assemblage I						
Inner and Middle Shelf Live Bottom Assemblage II						
Middle Shelf Algal Nodule Assemblage						
Agaricia Coral Plate Assemblage						
Outer Shelf Sand Bottom Assemblage	100.0	100.0	66.7			
Outer Shelf Crinoid Assemblage			33.3	89.4		100.0
Outer Shelf Prominences Live Bottom Assemblage						
Outer Shelf Low-Relief Live Bottom Assemblage				10.6	100.0	

Table 12. Percent coverage of biological assemblages along each transect in the 130-140 m depth interval.

Biological Assemblages	Transects					
	A	B	C	D	E	F
Inner and Middle Shelf Sand Bottom Assemblage						
Inner Shelf Live Bottom Assemblage I						
Inner and Middle Shelf Live Bottom Assemblage II						
Middle Shelf Algal Nodule Assemblage						
Agaricia Coral Plate Assemblage						
Outer Shelf Sand Bottom Assemblage	100.0	100.0		13.2		
Outer Shelf Crinoid Assemblage			67.3	86.8		
Outer Shelf Prominences Live Bottom Assemblage			32.7			
Outer Shelf Low-Relief Live Bottom Assemblage					100.0	

Table 13. Percent coverage of biological assemblages along each transect in the 140-150 m depth interval.

Biological Assemblages	Transects					
	A	B	C	D	E	F
Inner and Middle Shelf Sand Bottom Assemblage						
Inner Shelf Live Bottom Assemblage I						
Inner and Middle Shelf Live Bottom Assemblage II						
Middle Shelf Algal Nodule Assemblage						
Agaricia Coral Plate Assemblage						
Outer Shelf Sand Bottom Assemblage	100.0	65.1		73.4		
Outer Shelf Crinoid Assemblage		34.9		1.3		
Outer Shelf Prominences Live Bottom Assemblage			100.0			
Outer Shelf Low-Relief Live Bottom Assemblage				25.3	100.0	

Table 14. Percent coverage of biological assemblages along each transect in the 150-160 m depth interval.

Biological Assemblages	Transects					
	A	B	C	D	E	F
Inner and Middle Shelf Sand Bottom Assemblage						
Inner Shelf Live Bottom Assemblage I						
Inner and Middle Shelf Live Bottom Assemblage II						
Middle Shelf Algal Nodule Assemblage						
Agaricia Coral Plate Assemblage						
Outer Shelf Sand Bottom Assemblage	100.0	100.0		71.4		
Outer Shelf Crinoid Assemblage						
Outer Shelf Prominences Live Bottom Assemblage			100.0			
Outer Shelf Low-Relief Live Bottom Assemblage				28.6	100.0	

Table 15. Percent coverage of biological assemblages along each transect in the 160-170 m depth interval.

Biological Assemblages	Transects					
	A	B	C	D	E	F
Inner and Middle Shelf Sand Bottom Assemblage						
Inner Shelf Live Bottom Assemblage I						
Inner and Middle Shelf Live Bottom Assemblage II						
Middle Shelf Algal Nodule Assemblage						
Agaricia Coral Plate Assemblage						
Outer Shelf Sand Bottom Assemblage	100.0	95.3	69.8			
Outer Shelf Crinoid Assemblage		4.7				
Outer Shelf Prominences Live Bottom Assemblage			22.5			
Outer Shelf Low-Relief Live Bottom Assemblage			7.7	100.0	100.0	

Table 16. Percent coverage of biological assemblages along each transect in the 170-180 m depth interval.

Biological Assemblages	Transects					
	A	B	C	D	E	F
Inner and Middle Shelf Sand Bottom Assemblage						
Inner Shelf Live Bottom Assemblage I						
Inner and Middle Shelf Live Bottom Assemblage II						
Middle Shelf Algal Nodule Assemblage						
Agaricia Coral Plate Assemblage						
Outer Shelf Sand Bottom Assemblage	100.0	100.0		11.1		
Outer Shelf Crinoid Assemblage						
Outer Shelf Prominences Live Bottom Assemblage						
Outer Shelf Low-Relief Live Bottom Assemblage			100.0	89.9	100.0	

Table 17. Percent coverage of biological assemblages along each transect in the 180-190 m depth interval.

Biological Assemblages	Transects					
	A	B	C	D	E	F
Inner and Middle Shelf Sand Bottom Assemblage						
Inner Shelf Live Bottom Assemblage I						
Inner and Middle Shelf Live Bottom Assemblage II						
Middle Shelf Algal Nodule Assemblage						
Agaricia Coral Plate Assemblage						
Outer Shelf Sand Bottom Assemblage	100.0	100.0	60.0	100.0		
Outer Shelf Crinoid Assemblage						
Outer Shelf Prominences Live Bottom Assemblage						
Outer Shelf Low-Relief Live Bottom Assemblage			40.0		100.0	

Table 18. Percent coverage of biological assemblages along each transect in the 190-200 m depth interval.

Biological Assemblages	Transects					
	A	B	C	D	E	F
Inner and Middle Shelf Sand Bottom Assemblage						
Inner Shelf Live Bottom Assemblage I						
Inner and Middle Shelf Live Bottom Assemblage II						
Middle Shelf Algal Nodule Assemblage						
Agaricia Coral Plate Assemblage						
Outer Shelf Sand Bottom Assemblage	100.0	100.0	100.0	100.0		
Outer Shelf Crinoid Assemblage						
Outer Shelf Prominences Live Bottom Assemblage						
Outer Shelf Low-Relief Live Bottom Assemblage					100.0	

APPENDIX B-2 SUMMARY DESCRIPTIONS OF COMPUTER FILES CONTAINED IN THE WOODWARD-CLYDE CONSULTANTS DATA BASE

Appendix Table . Description for data base file NAMES (Taxonomic codes and names).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	TYPE	FORMAT		DESCRIPTION
1	CODE		1	S	A	12	12 DIGIT NODC TAXONOMIC CODE
2	SPECIES NAME	SPECIES	1	S	A	54	TAXONOMIC NAME
3	TENT	TENTATIVE	1	S	A	1	"X" IF TEMPORARY CODE ASSIGNMENT
4	FILL		1	S	A	3	

Appendix Table . Description for data base file FLORIDA (Biological Data).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	TYPE	FORMAT		DESCRIPTION
1	METHOD	MTD	1	S	A	3	OTS, BCI, OTH, TDS, OR QSA
2	TAXCODE	CODE	2	S	A	12	12 DIGIT NODC CODE
3	TENCODE	TENTATIVE	2	S	A	2	"X" DESIGNATES TEMPORARY CODE ASSIGNMENT
4	TAXON	NAME	2	S	A	40	TAXONOMIC NAME
5	CRUISE	CR	3	S	A	1	CRUISE 3 OR 4 (YEAR 1)
6	STATION	STN	4	S	A	2	1 TO 30
7	TRANSECT	TRAN	4	S	A	1	1, 2, 3, 4, OR 5
8	DEPTH	DEP	4	S	F	5.1	IN METRES
9	REPLICATE	REP	5		A	4	
10	PRESENCE	ABSENCE	5		F	5	ALWAYS 1 WHEN A TAXON IS PRESENT IN A SAMPLE
11	ABUNDANCE	ABUN	5		F	6	ABSOLUTE ABUNDANCE IN SAMPLE

Appendix Table . Description for data base file GSAD3 (Sediment grain size analysis detail data for Cruise 3).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	LEVEL TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	CRUISE 3 ONLY (YEAR 1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	REPLICATE	REP	1	S	A	1	
6	FILL		1	S	A	3	
7	>4.00MM	CAT1	1	S	F	7.2	% OF SAMPLE
8	2.00-4.00MM	CAT2	1	S	F	8.2	% OF SAMPLE
9	1.00-2.00MM	CAT3	1	S	F	8.2	% OF SAMPLE
10	.50-1.00MM	CAT4	1	S	F	8.2	% OF SAMPLE
11	.25-.50MM	CAT5	1	S	F	8.2	% OF SAMPLE
12	.125-.25MM	CAT6	1	S	F	8.2	% OF SAMPLE
13	.063-.125MM	CAT7	1	S	F	8.2	% OF SAMPLE

Appendix Table . Description for data base file GSAD4 (Sediment grain size analysis detail data for Cruise 4).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	LEVEL TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	CRUISE 4 ONLY (YEAR 1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	REPLICATE	REP	1	S	A	1	
6	FILL		1	S	A	3	
7	>4.00MM	CAT1	1	S	F	7.2	% OF SAMPLE
8	2.80-4.00MM	CAT2	1	S	F	8.2	% OF SAMPLE
9	2.00-2.80MM	CAT3	1	S	F	8.2	% OF SAMPLE
10	1.40-2.00MM	CAT4	1	S	F	8.2	% OF SAMPLE
11	1.00-1.40MM	CAT5	1	S	F	8.2	% OF SAMPLE
12	.71-1.00MM	CAT6	1	S	F	8.2	% OF SAMPLE
13	.50-.71MM	CAT7	1	S	F	8.2	% OF SAMPLE
14	.355-.50MM	CAT8	1	S	F	8.2	% OF SAMPLE
15	.25-.355MM	CAT9	1	S	F	8.2	% OF SAMPLE
16	.18-.25MM	CAT10	1	S	F	8.2	% OF SAMPLE
17	.125-.18MM	CAT11	1	S	F	8.2	% OF SAMPLE
18	.09-.125MM	CAT12	1	S	F	8.2	% OF SAMPLE
19	.063-.09MM	CAT13	1	S	F	8.2	% OF SAMPLE

Appendix Table . Description for data base file GSAS3 (Sediment grain size analysis summary data for Cruise 3).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	LEVEL TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	CRUISE 3 ONLY (YEAR 1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	FILL		1	S	A	4	
6	PARAMETER	PARM	2		A	4	MEAN, STANDARD DEVIATION, OR COEFFICIENT OF VARIATION
7	>4.00MM	CAT1	2		F	7.2	% OF SAMPLE
8	2.00-4.00MM	CAT2	2		F	8.2	% OF SAMPLE
9	1.00-2.00MM	CAT3	2		F	8.2	% OF SAMPLE
10	.50-1.00MM	CAT4	2		F	8.2	% OF SAMPLE
11	.25-.50MM	CAT5	2		F	8.2	% OF SAMPLE
12	.125-.25MM	CAT6	2		F	8.2	% OF SAMPLE
13	.063-.125MM	CAT7	2		F	8.2	% OF SAMPLE

Appendix Table . Description for data base file GSAS4 (Sediment grain size analysis summary data for Cruise 4).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	LEVEL TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	CRUISE 4 ONLY (YEAR 1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	FILL		1	S	A	4	
6	PARAMETER	PARM	2		A	4	MEAN, VARIANCE, OR STANDARD DEVIATION
7	4.00MM	CAT1	2		F	7.2	% IN SAMPLE
8	2.80-4.00MM	CAT2	2		F	8.2	% IN SAMPLE
9	2.00-2.80MM	CAT3	2		F	8.2	% IN SAMPLE
10	1.40-2.00MM	CAT4	2		F	8.2	% IN SAMPLE
11	1.00-1.40MM	CAT5	2		F	8.2	% IN SAMPLE
12	.71-1.00MM	CAT6	2		F	8.2	% IN SAMPLE
13	.50-.71MM	CAT7	2		F	8.2	% IN SAMPLE
14	.355-.50MM	CAT8	2		F	8.2	% IN SAMPLE
15	.25-.355MM	CAT9	2		F	8.2	% IN SAMPLE
16	.18-.25MM	CAT10	2		F	8.2	% IN SAMPLE
17	.125-.18MM	CAT11	2		F	8.2	% IN SAMPLE
18	.09-.125MM	CAT12	2		F	8.2	% IN SAMPLE
19	.063-.09MM	CAT13	2		F	8.2	% IN SAMPLE

Appendix Table . Description for data base file SCAD (Silt-clay analysis detail data).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	LEVEL TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	CRUISE 3 OR 4 (YEAR 1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	REPLICATE	REP	1	S	A	1	
6	FILL		1	S	A	3	
7	.031-.062MM	CAT1	1	S	F	8.2	% OF SAMPLE
8	.016-.031MM	CAT2	1	S	F	8.2	% OF SAMPLE
9	.008-.016MM	CAT3	1	S	F	8.2	% OF SAMPLE
10	.004-.008MM	CAT4	1	S	F	8.2	% OF SAMPLE
11	.002-.004MM	CAT5	1	S	F	8.2	% OF SAMPLE
12	.001-.002MM	CAT6	1	S	F	8.2	% OF SAMPLE
13	<.001MM	CAT7	1	S	F	7.2	% OF SAMPLE

Appendix Table . Description for data base file SCAS (Silt-clay analysis summary data).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	LEVEL TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	CRUISE 3 OR 4 (YEAR 1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	FILL		1	S	A	4	
6	PARAMETER	PARM	2		A	4	MEAN, VARIANCE, STANDARD DEVIATION, OR COEFFICIENT OF VARIATION
7	.031-.062MM	CAT1	2		F	8.2	% OF SAMPLE
8	.016-.031MM	CAT2	2		F	8.2	% OF SAMPLE
9	.008-.016MM	CAT3	2		F	8.2	% OF SAMPLE
10	.004-.008MM	CAT4	2		F	8.2	% OF SAMPLE
11	.002-.004MM	CAT5	2		F	8.2	% OF SAMPLE
12	.001-.002MM	CAT6	2		F	8.2	% OF SAMPLE
13	<.001MM	CAT7	2		F	7.2	% OF SAMPLE

Appendix Table . Description for data base file SEDD (Sediment grain size parameters detail data).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	LEVEL TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	CRUISE 3 OR 4 (YEAR 1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	REPLICATE	REP	1	S	A	10	
6	FILL		1	S	A	3	
7	MEAN		1	S	F	6.2	
8	MEDIAN		1	S	F	6.2	
9	COEF OF VAR	COV	1	S	F	6.2	
10	SKEWNESS	SKEW	1	S	F	7.2	
11	KURTOSIS	KURT	1	S	F	7.2	
12	% SILT/CLAY	SILT	1	S	F	8.2	
13	% CARBONATE	CARB	1	S	F	8.2	
14	SED TYPE	TYPE	1	S	A	16	

Appendix Table . Description for data base file SEDS (Sediment grain size parameters summary data).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	LEVEL TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	CRUISE 3 OR 4 (YEAR 1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	FILL		1	S	A	4	
6	SED TYPE	TYPE	1	S	A	16	"FINE SAND", "SILT/CLAY", ETC.
7	PARAMETER	PARM	2		A	4	MEAN, VARIANCE, STANDARD DEVIATION, COEFFICIENT OF VARIATION
8	MEAN		2		F	6.2	
9	MEDIAN		2		F	6.2	
10	COEF OF VAR	COF	2		F	6.2	
11	SKEWNESS	SKEW	2		F	7.2	
12	KURTOSIS	KURT	2		F	7.2	
13	% SILT/CLAY	SILT	2		F	8.2	
14	% CARBONATE	CARB	2		F	8.2	

Appendix Table . Description for data base file STM (Sediment trace metals).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	LEVEL TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	CRUISE 3 ONLY (YEAR 1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	REPLICATE	REP	1	S	A	3	
6	FILL		1	S	A	1	
7	CADMIUM	CD	1	S	F	4.2	PPM
8	CROMIUM	CR	1	S	F	4.2	PPM
9	COPPER	CU	1	S	F	4.2	PPM
10	IRON	FE	1	S	F	4.2	PPM
11	NICKEL	NI	1	S	F	4.2	PPM
12	LEAD	PB	1	S	F	4.2	PPM
13	ZINC	IN	1	S	F	4.2	PPM
14	MEAN PHI	PHI	1	S	F	4.1	
15	% CACO3	CACO3	1	S	F	12	CALCIUM CARBONATE (%)
16	SAND-FINES	SF	1	S	F	4.1	%SAND/%FINES
17	% CLAY	CLAY	1	S	F	4.1	<2 um

Appendix Table . Description for data base file BCH (Box core hydrocarbons).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	LEVEL TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	CRUISE 3 ONLY (YEAR 1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	REPLICATE	REP	1	S	A	3	
6	FILL		1	S	A	1	
7	HEXANE		1	S	F	4.2	ug/g
8	TOLUENE		1	S	F	4.2	ug/g
9	R.I. 1700		1	S	F	4.2	ug/g
10	PRISTANE		1	S	F	4.2	ug/g
11	R.I. 1800		1	S	F	4.2	ug/g
12	PHYTANE		1	S	F	4.2	ug/g
13	R.I. 2085		1	S	F	4.2	ug/g
14	R.I. 2900		1	S	F	4.2	ug/g
15	R.I. 2160		1	S	F	4.2	ug/g
16	R.I. 2560		1	S	F	4.2	ug/g
17	R.I. 2610		1	S	F	4.2	ug/g
18	R.I. 2920		1	S	F	4.2	ug/g
19	R.I. 3010		1	S	F	4.2	ug/g
20	R.I. 3120		1	S	F	4.2	ug/g

Appendix Table . Description for data base file CLO (Chlorophyll a).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	CRUISE 3 OR 4 (YEAR 1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	FILL		1	S	A	4	
6	TRICHROMATIC	CLT	1	S	F	7.2	ug/3000ml
7	ACID METHOD	CLA	1	S	F	7.2	ug/3000ml
8	FLOUROMETER	CLF	1	S	F	7.2	ug/3000ml

Appendix Table . Description for data base file DOX (Dissolved Oxygen).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	CRUISE 3 OR 4 (YEAR 1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	REPLICATE	REP	1	S	A	1	
6	FILL		1	S	A	3	
7	TITRATION	DOT	1	S	F	6.2	PPM
8	HYDROLAB	DOH	1	S	F	6.1	PPM

Appendix Table . Description for data base file NUT (Water column nutrients).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	LEVEL TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	CRUISE 3 OR 4 (YEAR 1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	FILL1		1	S	A	1	
6	LEAKAGE	LEAK	1	S	A	1	"X" IF THERE WAS SAMPLE LEAKAGE (WHICH MAY INVALIDATE SAMPLE)
7	FILL2		1	S	A	2	
8	NITRITE	NIT	1	S	F	6.2	+ OR - 0.02 uM
9	INORG N	NAT	1	S	F	6.2	+ OR - 0.1 uM
10	PHOSPHATE	PHS	1	S	F	7.2	+ OR - 0.08 uM
11	SILICATE	SIL	1	S	F	6.2	+ OR - 0.04 uM

Appendix Table . Description for data base file PHO (Photometer readings).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	LEVEL TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	CRUISE 3 OR 4 (YEAR1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	REPLICATE	REP	1	S	A	1	
6	FILL		1	S	A	3	
7	DECK		1	S	I	5	LUMINOSITY (FOOT CANDLES)
8	SUBMARINE	SUB	1	S	I	5	LUMINOSITY (FOOT CANDLES)
9	FILTERS		1	S	A	4	"ON" OR "OFF"

Appendix Table . Description for data base file PIG (Phaeopigments).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	CRUISE 3 OR 4 (YEAR 1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	FILL		1	S	A	4	
6	ACID METHOD	PHA	1	S	F	7.2	us/3000ml
7	FLOUROMETER	PHF	1	S	F	7.2	us/3000ml

Appendix Table . Description for data base file SWS (Salinity water samples).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	CRUISE 3 OR 4 (YEAR 1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	FILL		1	S	A	4	
6	SALINITY	SAL	1	S	F	7.1	PPT

Appendix Table . Description for data base file TMP (Temperature)

LIST	FIELDNAME	SYNONYM	LEVEL NAME	LEVEL TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	CRUISE 3 OR 4 (YEAR 1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	FILL		1	S	A	4	
6	TRANSMISS	TRANS	1	S	F	7.1	DEG C (TRANSMISSOMETER)
7	HYDROLAB	HYDRO	1	S	F	7.1	DEG C
8	REV THERM	REV	1	S	F	7.1	DEG C

Appendix Table . Description for data base file TRA (Transmissometer).

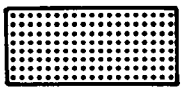
LIST	FIELDNAME	SYNONYM	LEVEL NAME	LEVEL TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	3 OR 4 (YEAR 1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	FILL		1	S	A	4	
6	% TRANSMIT	TRA	1	S	F	7.1	% TRANSMITTANCE

Appendix Table . Description for data base file YSS (Yellow substance samples).

LIST	FIELDNAME	SYNONYM	LEVEL NAME	LEVEL TYPE	FORMAT		DESCRIPTION
1	CRUISE		1	S	A	1	CRUISE 3 OR 4 (YEAR 1)
2	TRANSECT	TRAN	1	S	A	1	1, 2, 3, 4, OR 5
3	STATION	STN	1	S	A	2	1 TO 30
4	DEPTH		1	S	F	5.1	IN METRES
5	REPLICATE	REP	1	S	A	1	
6	FILL		1	S	A	3	
7	280 NM	CAT1	1	S	F	6.3	ABSORBANCE
8	310 NM	CAT2	1	S	F	6.3	ABSORBANCE
9	350 NM	CAT3	1	S	F	6.3	ABSORBANCE

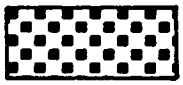
APPENDIX B-3 STATION TRACT PLOTS SHOWING HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA RECORDED FROM YEAR 1 TELEVISION AND STILL CAMERA OBSERVATIONS

STATION TRACT PLOTS
LEGEND

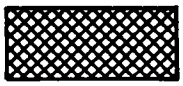


SAND BOTTOM / SOFT BOTTOM.
MACROBIOTA SCARCE OR ABSENT.

THIN SAND OVER HARD SUBSTRATE; SUSPECTED HARD BOTTOM. MACROBIOTA PRESENT – LIVE BOTTOM.

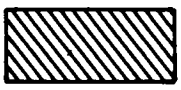


CORALLINE ALGAL NODULE LAYER OVER SAND.
MACROBIOTA PRESENT- LIVE BOTTOM.

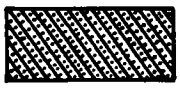


ALGAL NODULE PAVEMENT WITH AGARICIA ACCUMULATIONS. MACROBIOTA PRESENT– LIVE BOTTOM.

ROCK OUTCROPS / HARD BOTTOM. MACROBIOTA PRESENT- LIVE BOTTOM.



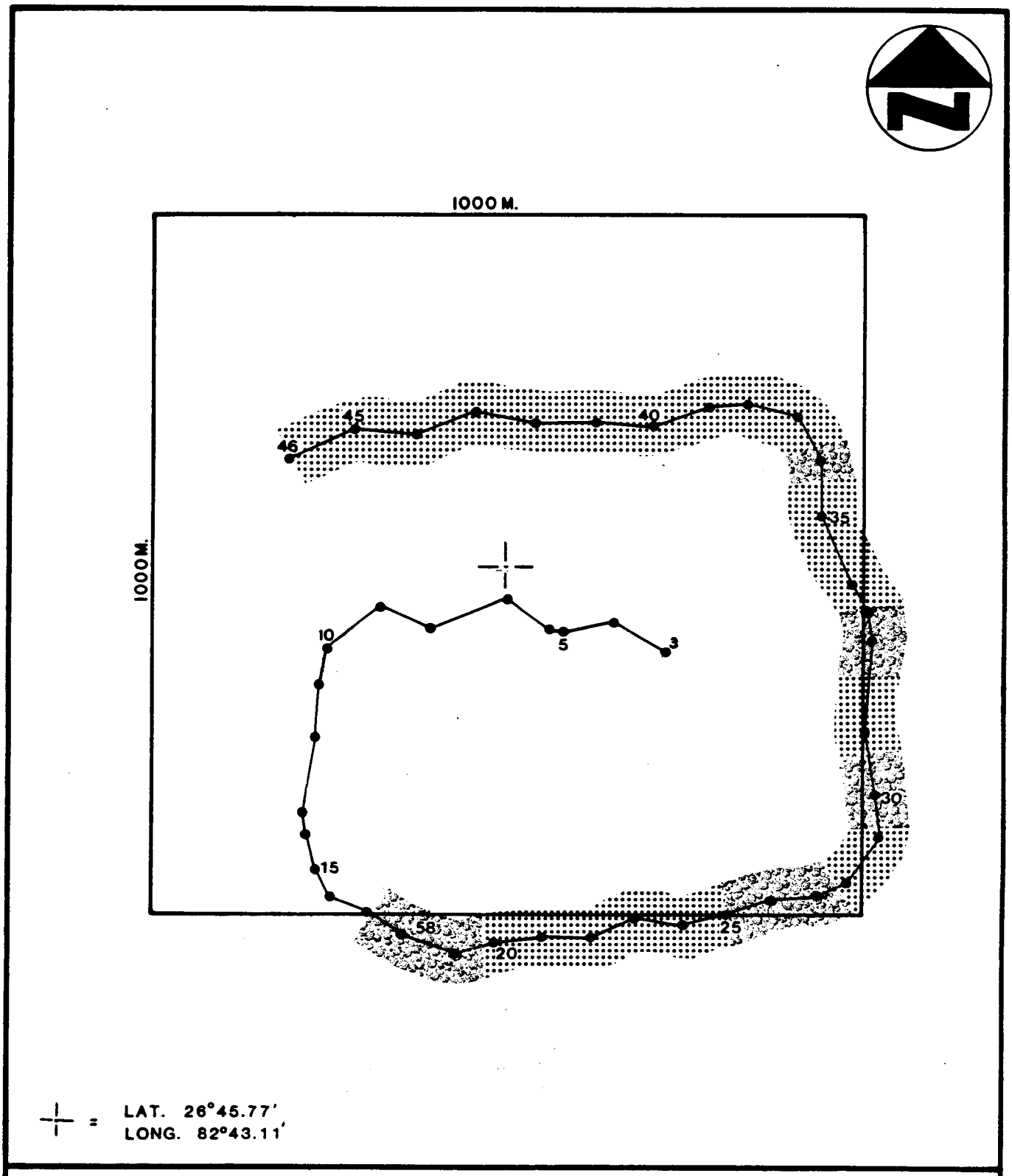
SAND WAVES.
LINES PARALLEL RIDGE CRESTS.



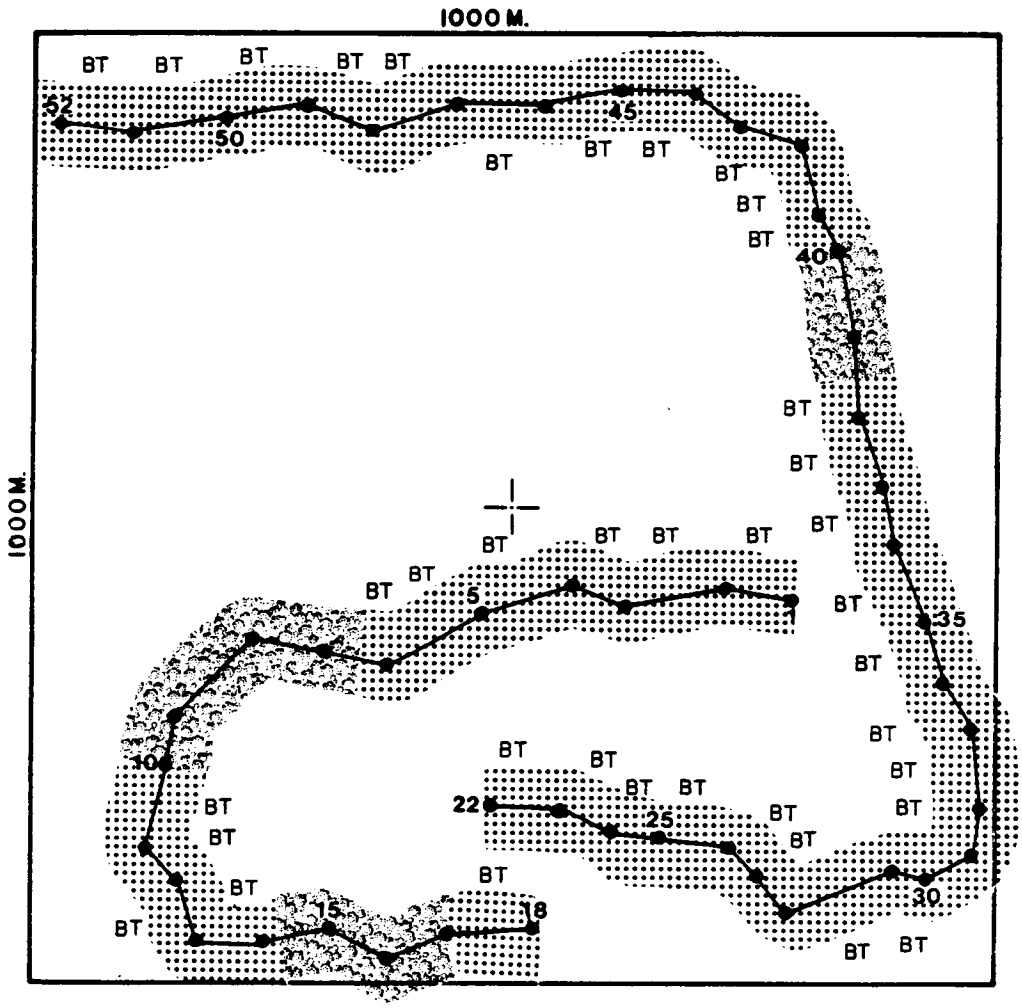
SAND WAVES. LINES PARREL RIDGE CRESTS;
BIOTA OR DEBRIS IN WAVE TROUGHS.

6"/18" SAND WAVE HEIGHT / WAVE LENGTH

BT BIOTURBATION



STATION 1 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III



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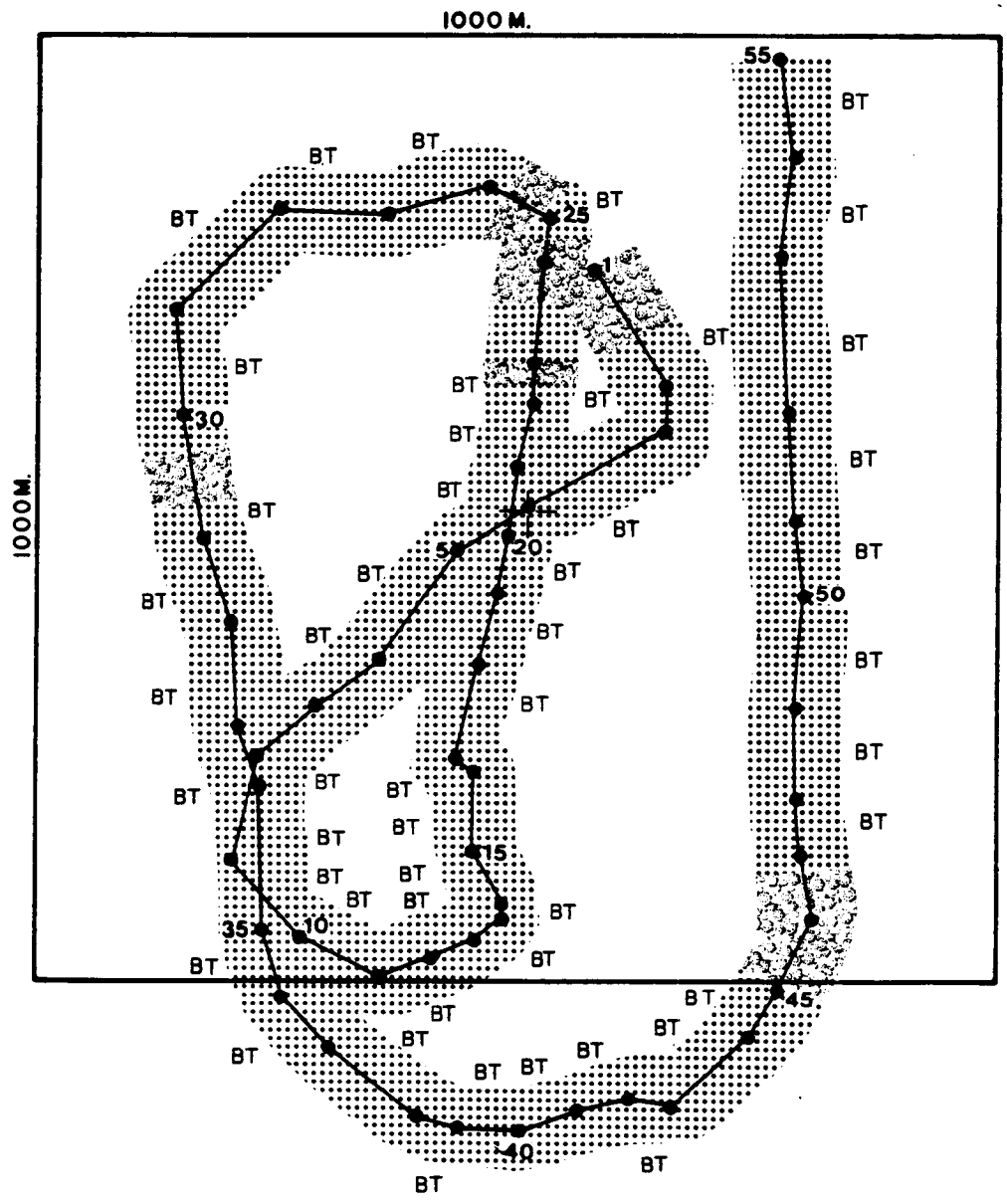
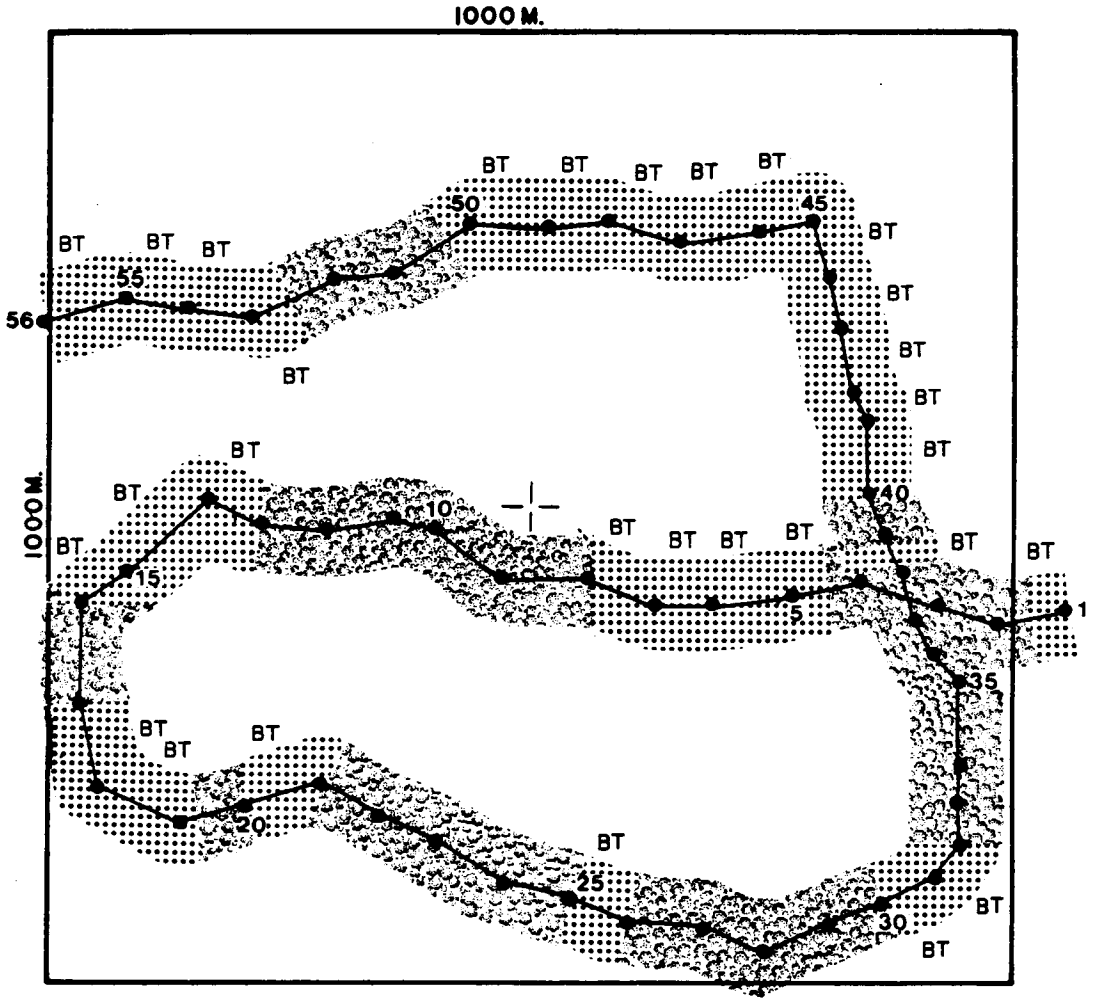
LONG. 83°21.44'

STATION 3 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III



STATION 7 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III



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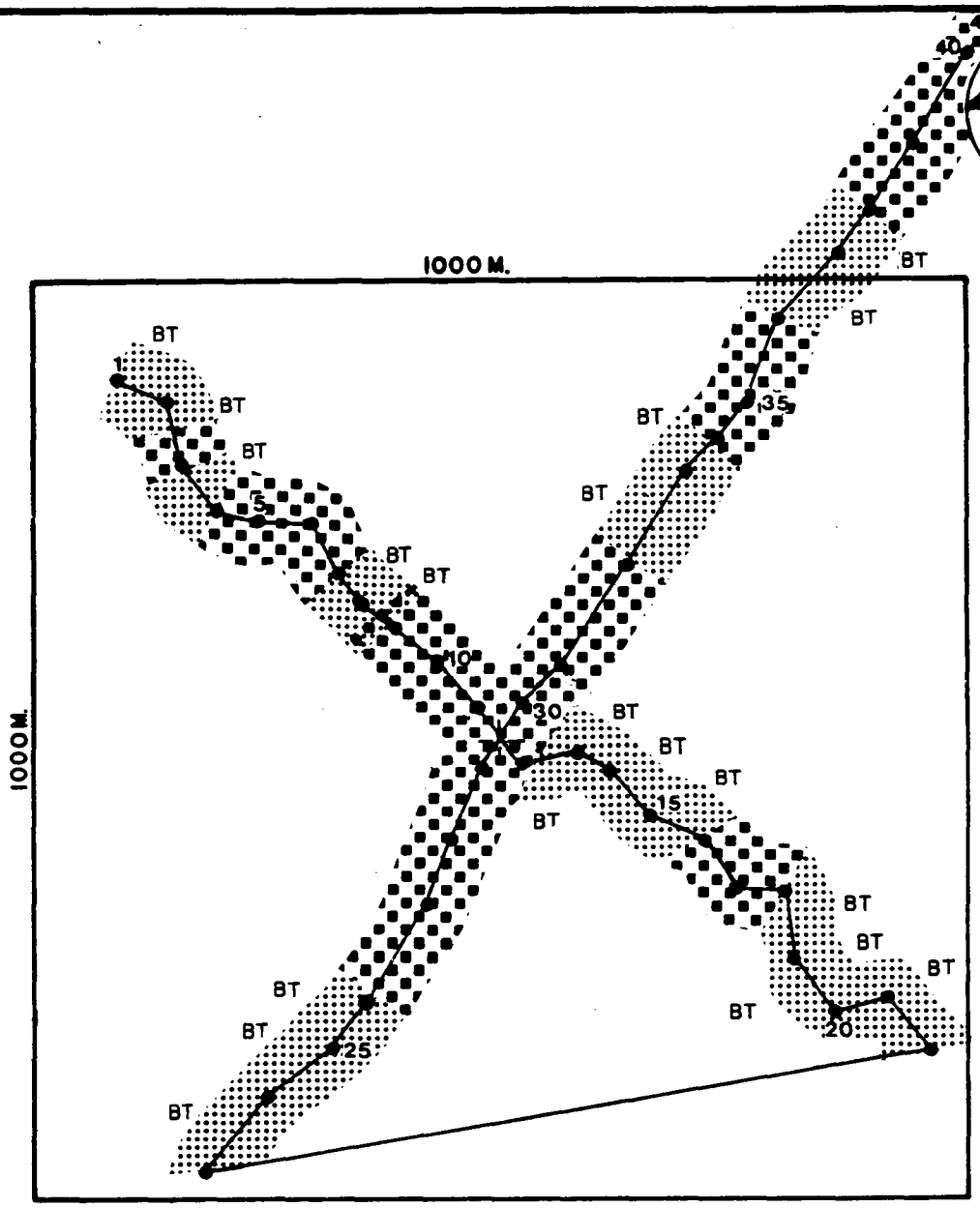
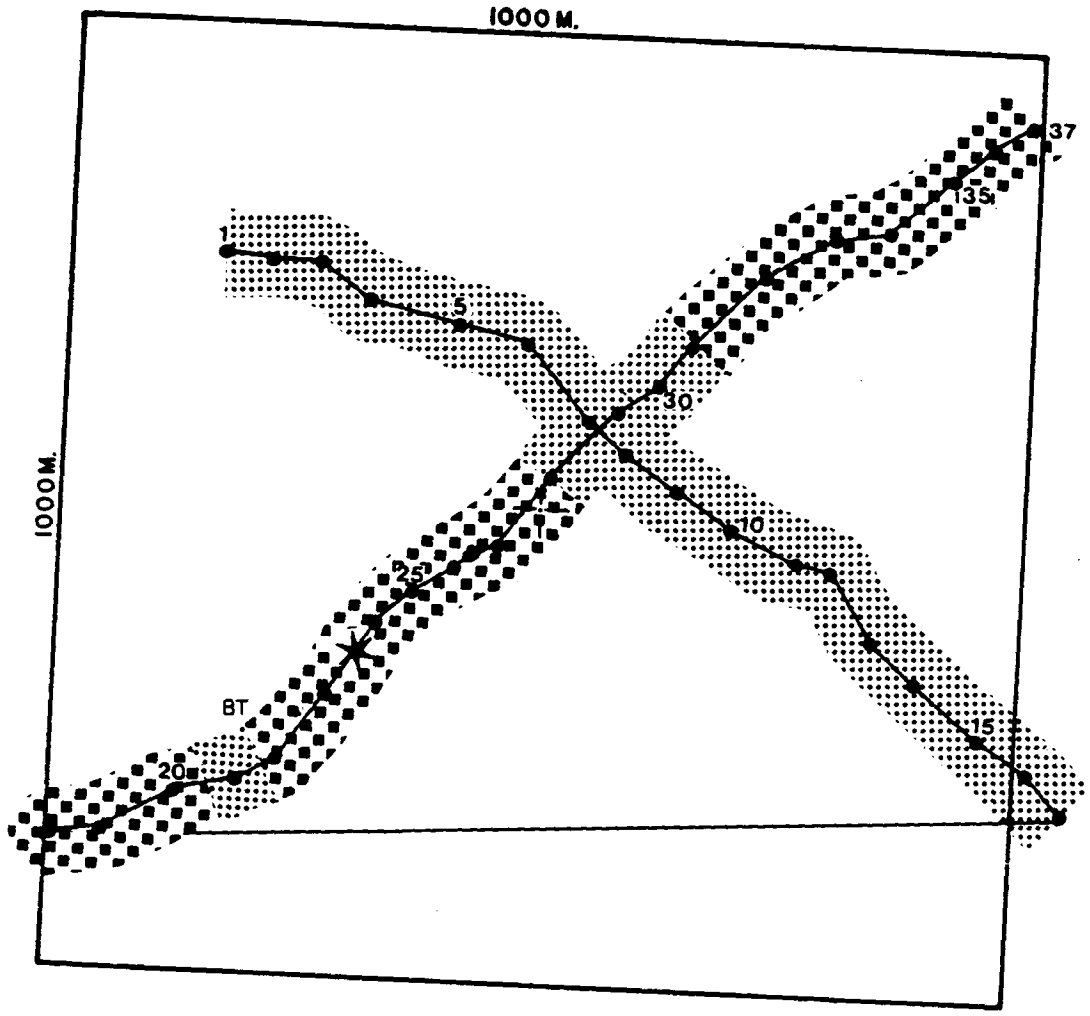
STATION 9 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III



= LAT. 26°16.73'
LONG. 83°42.81'

STATION 10 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III



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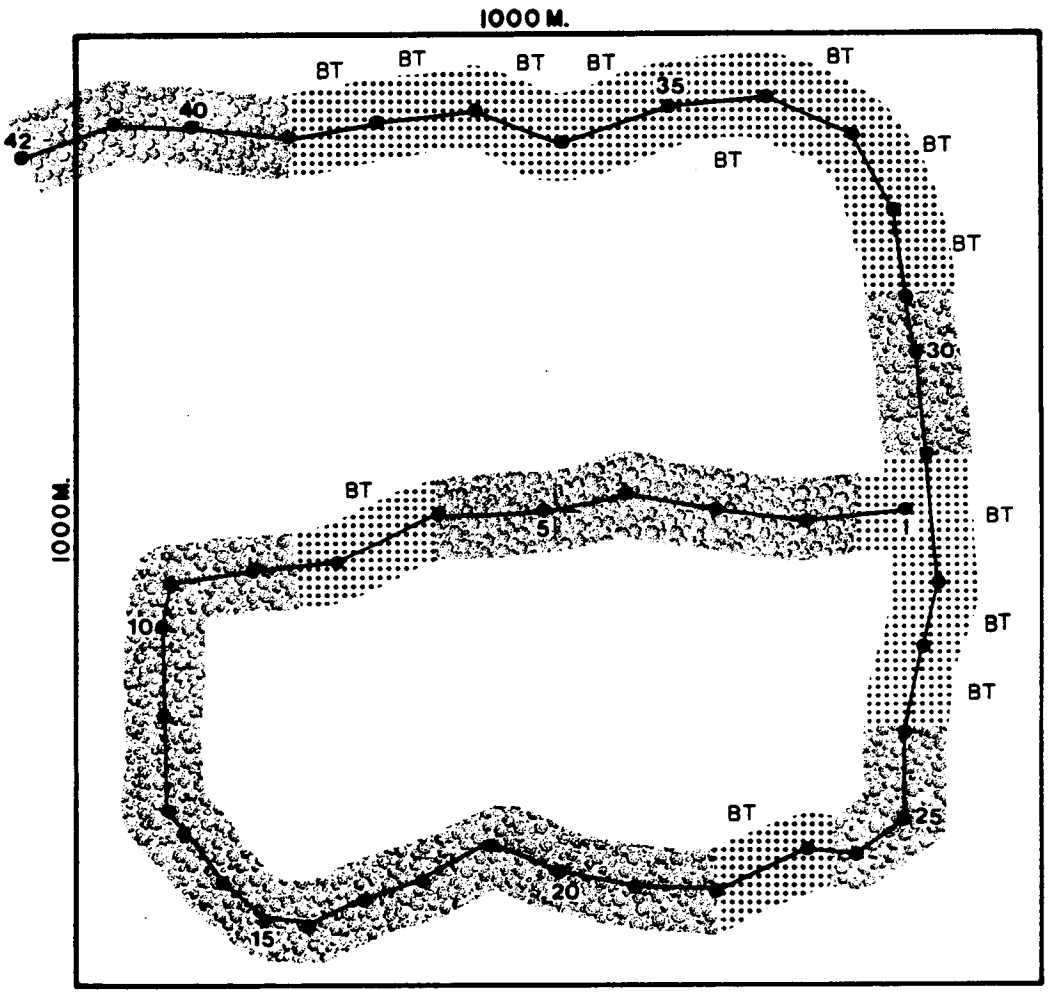
STATION 11 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III



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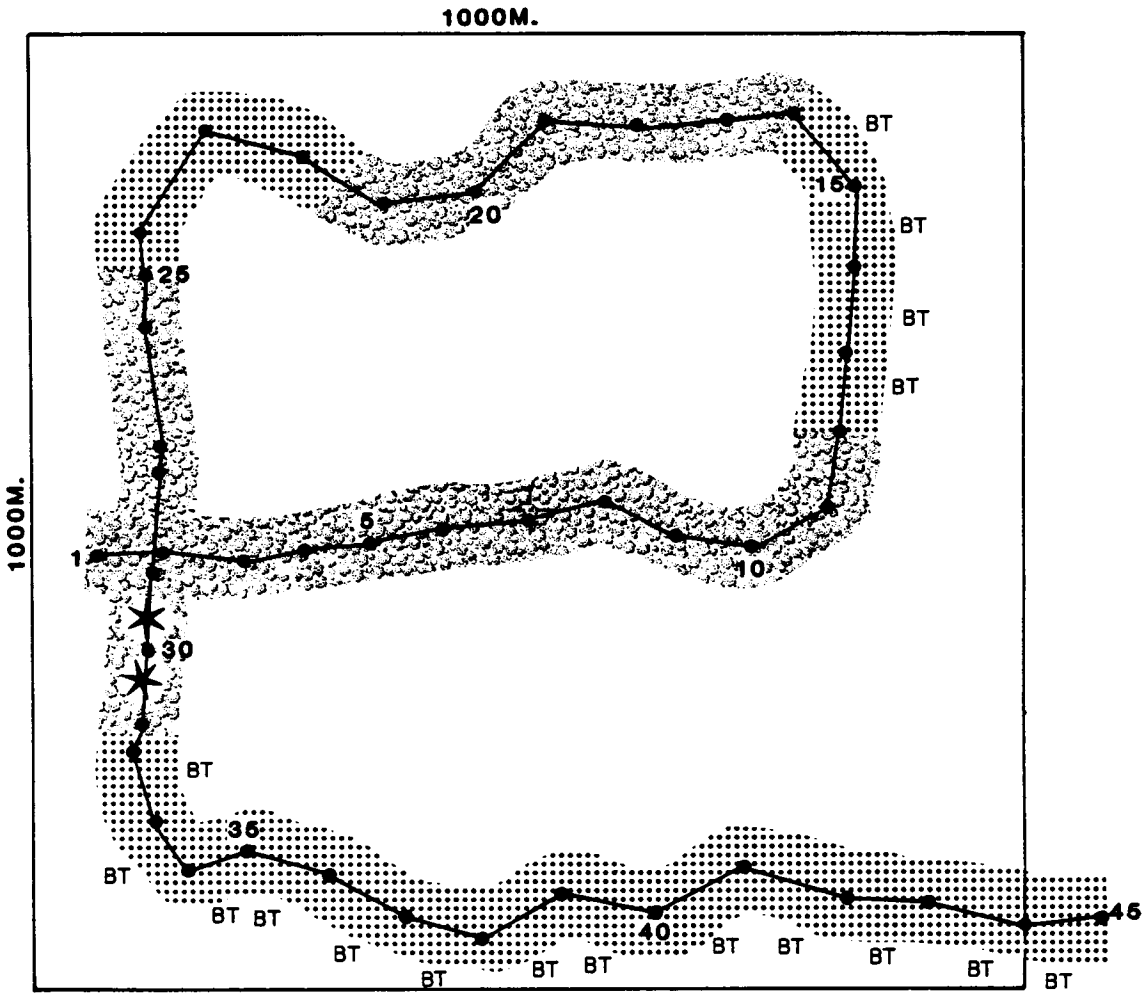
STATION 13 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III



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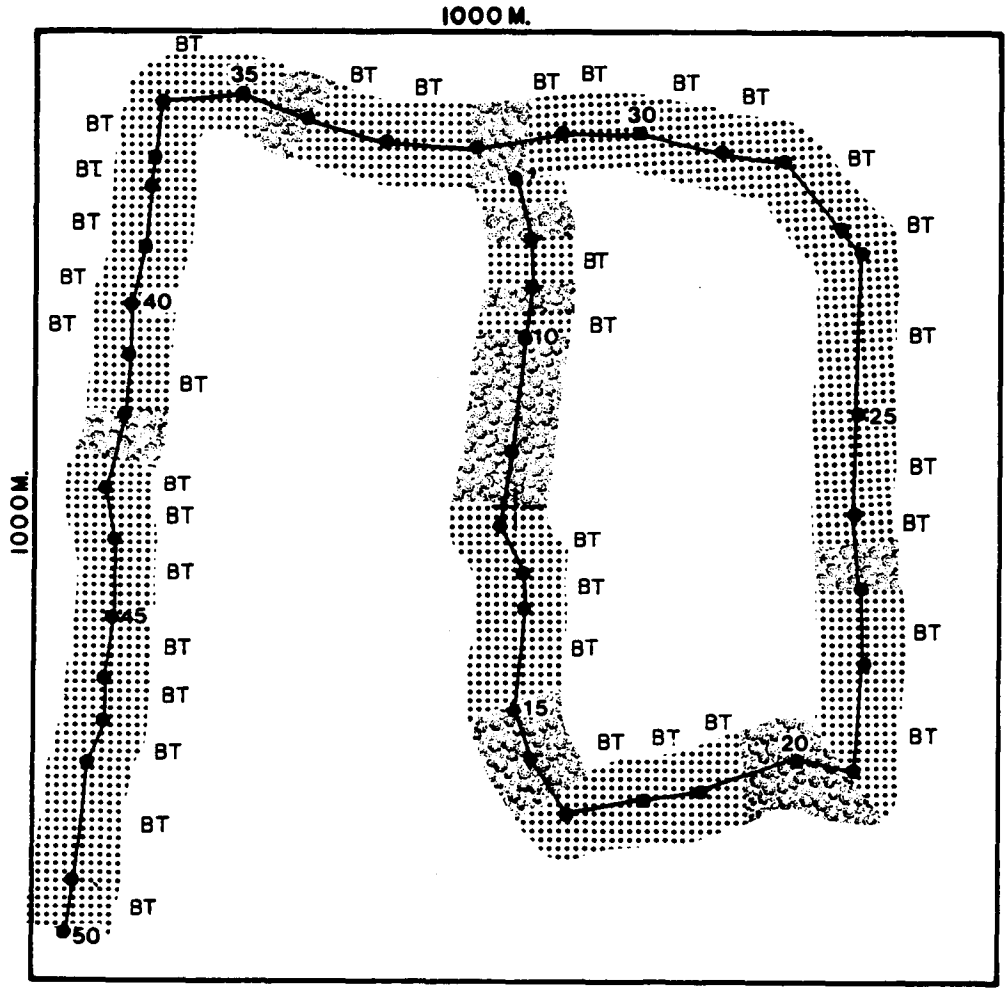
LONG. 82° 31.62'

STATION 15 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III



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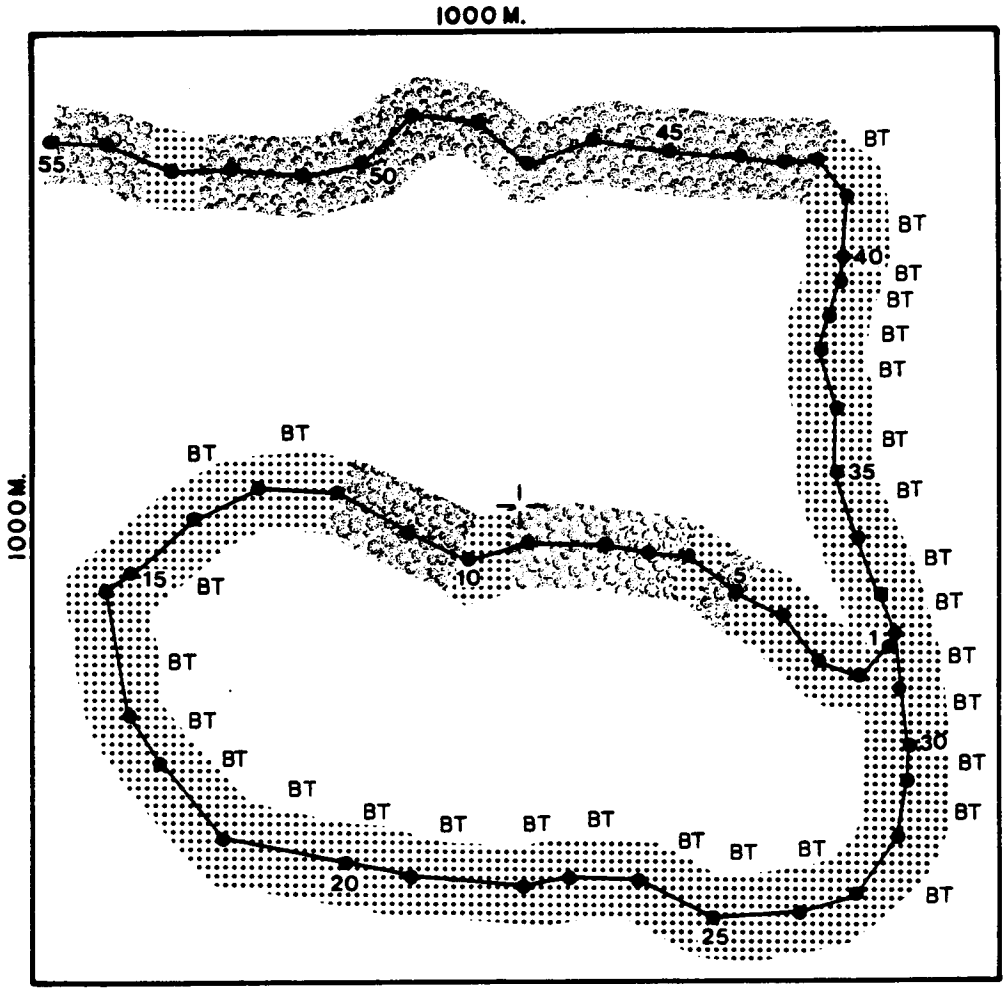
LONG. 83° 20.24'

STATION 17 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III



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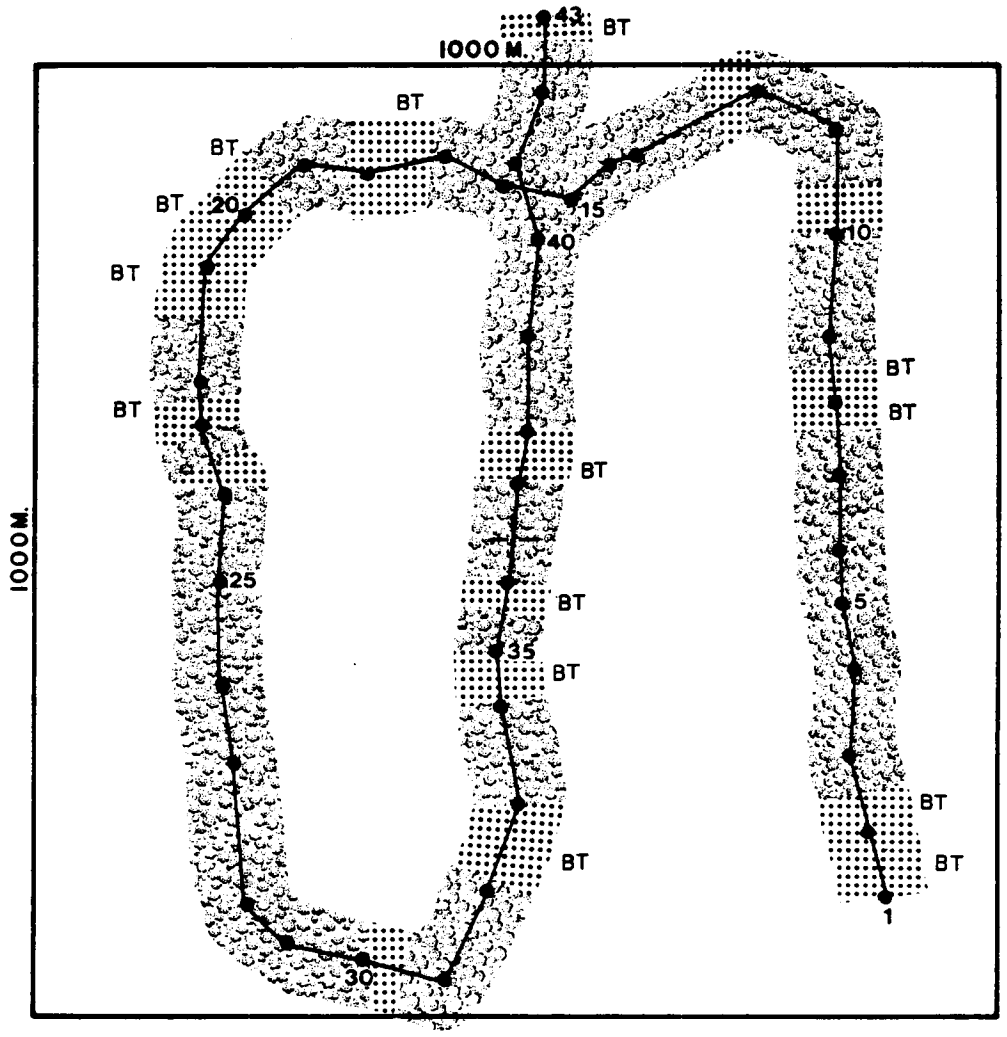
STATION 19 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III



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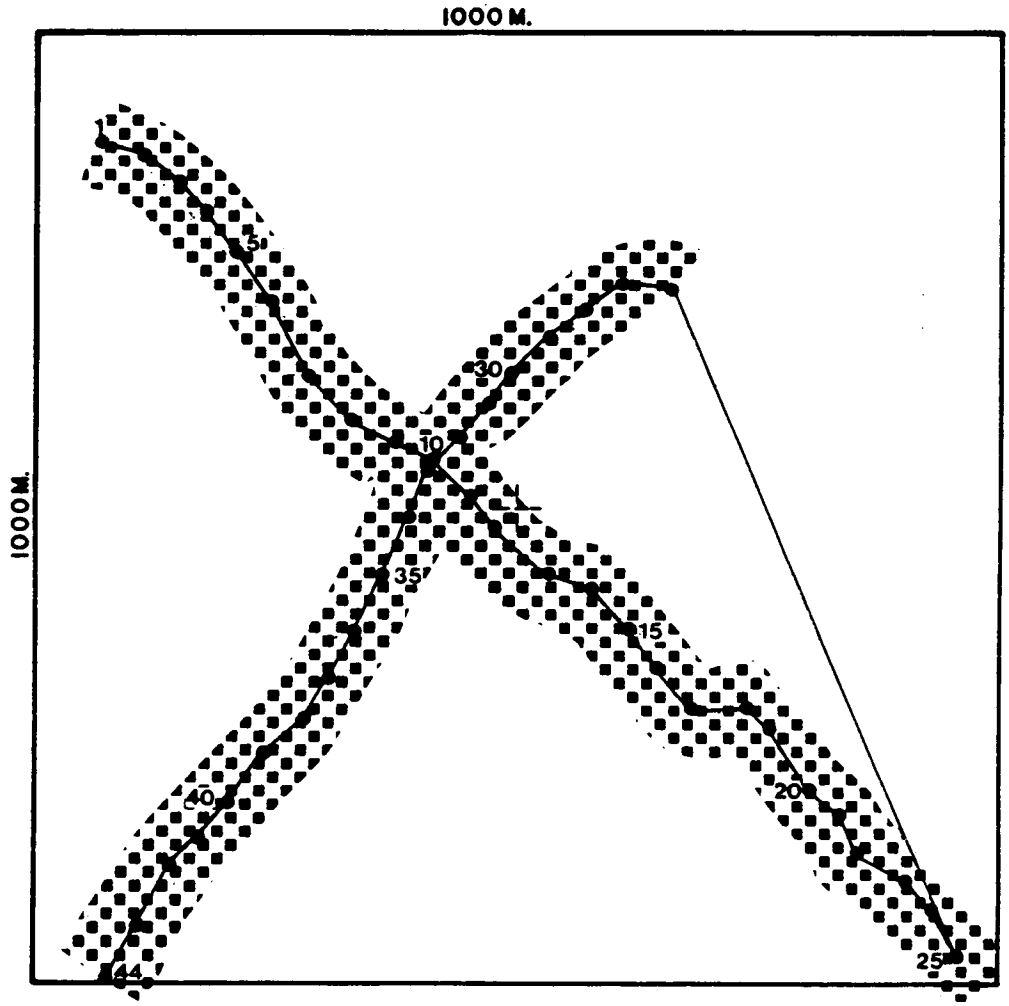
LONG. 82°52.16'

STATION 21 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III



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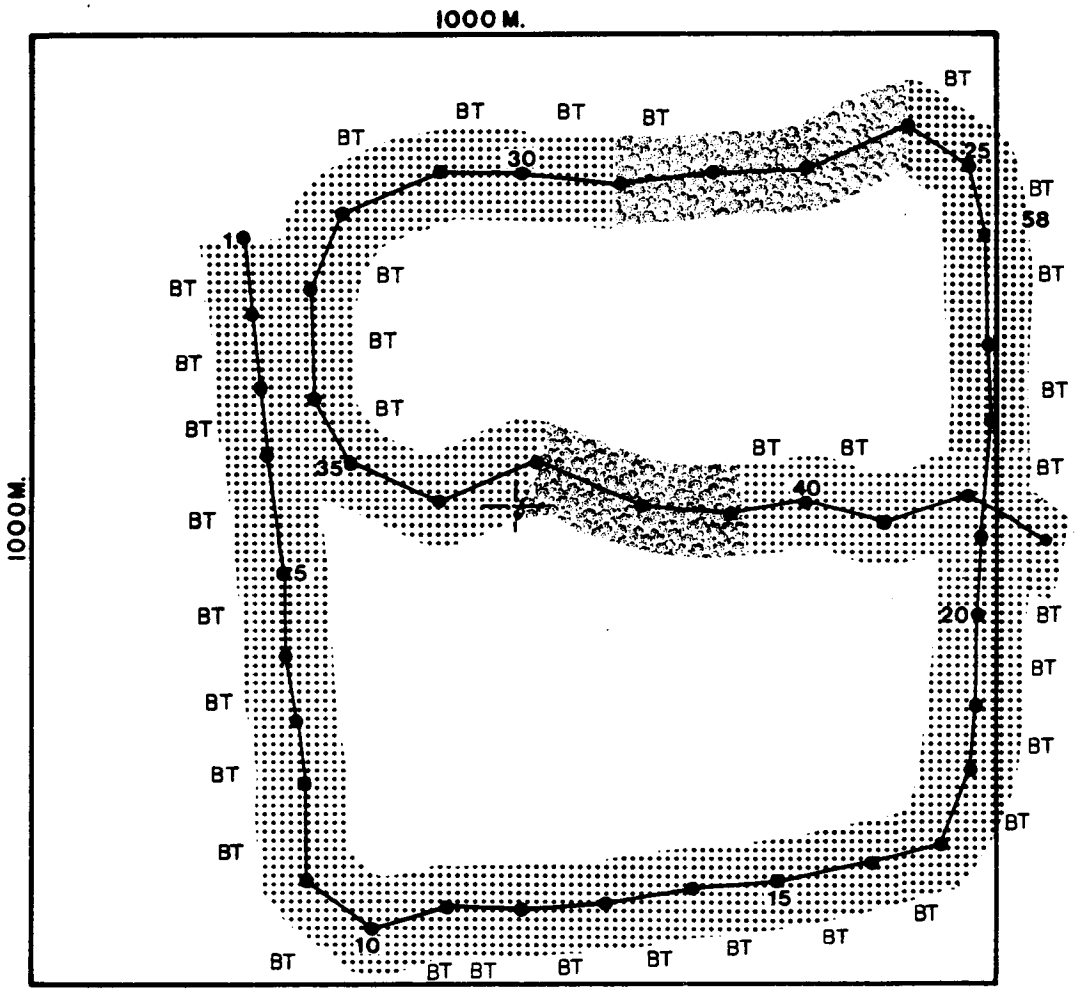
STATION 23 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III



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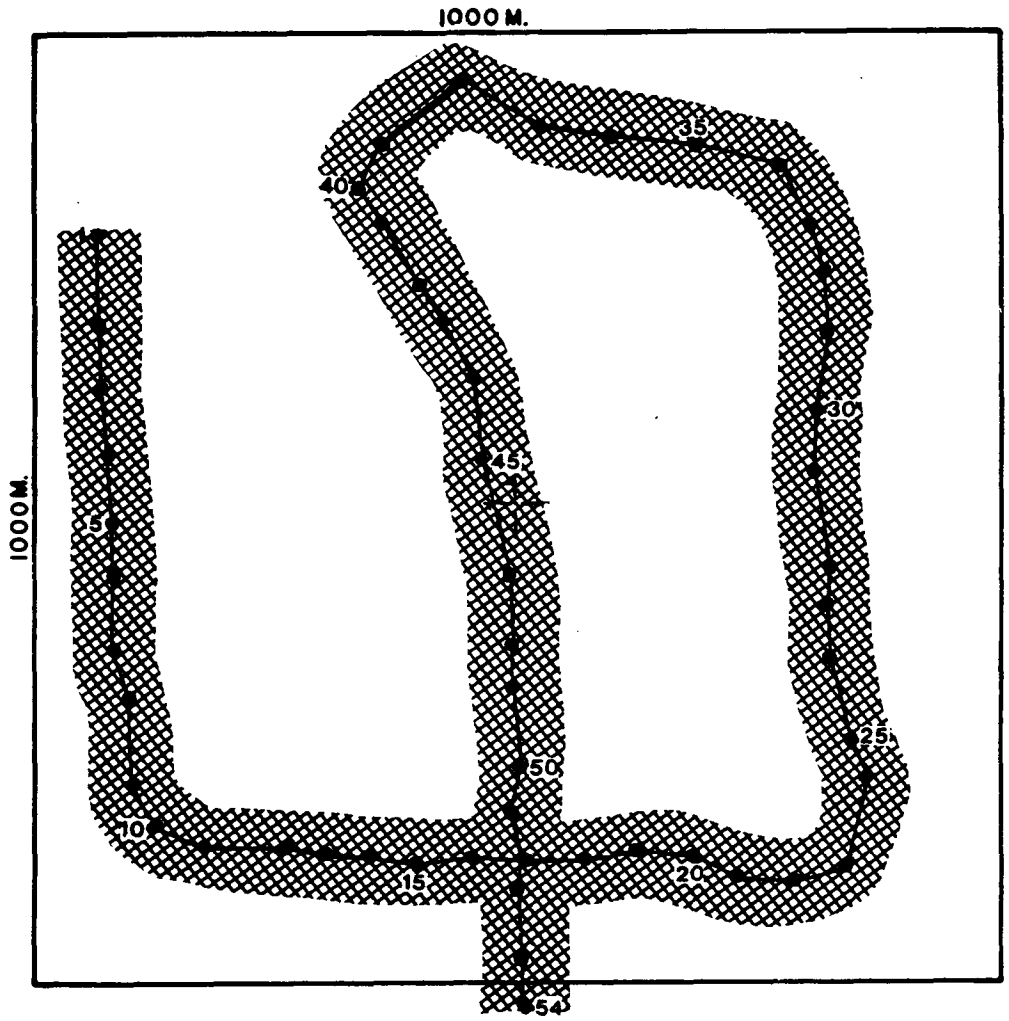
LONG. 83°08.01'

STATION 27 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III



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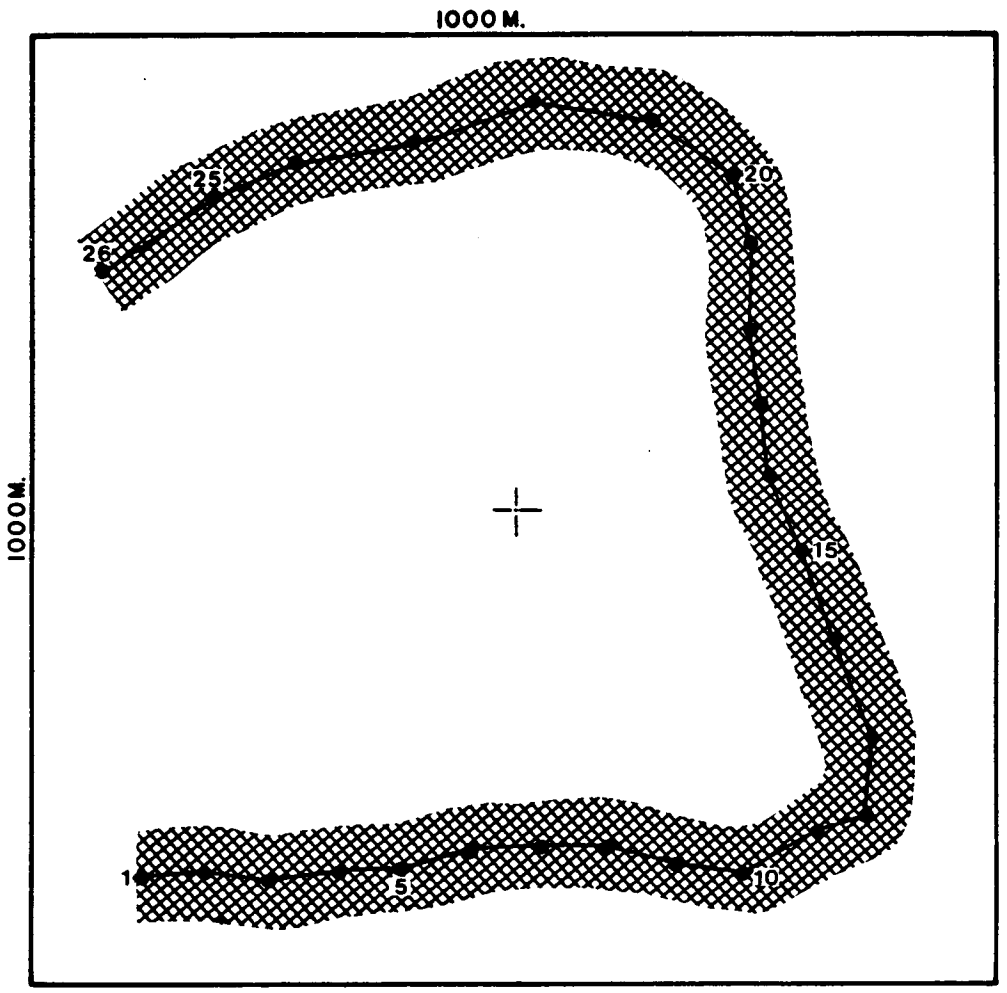
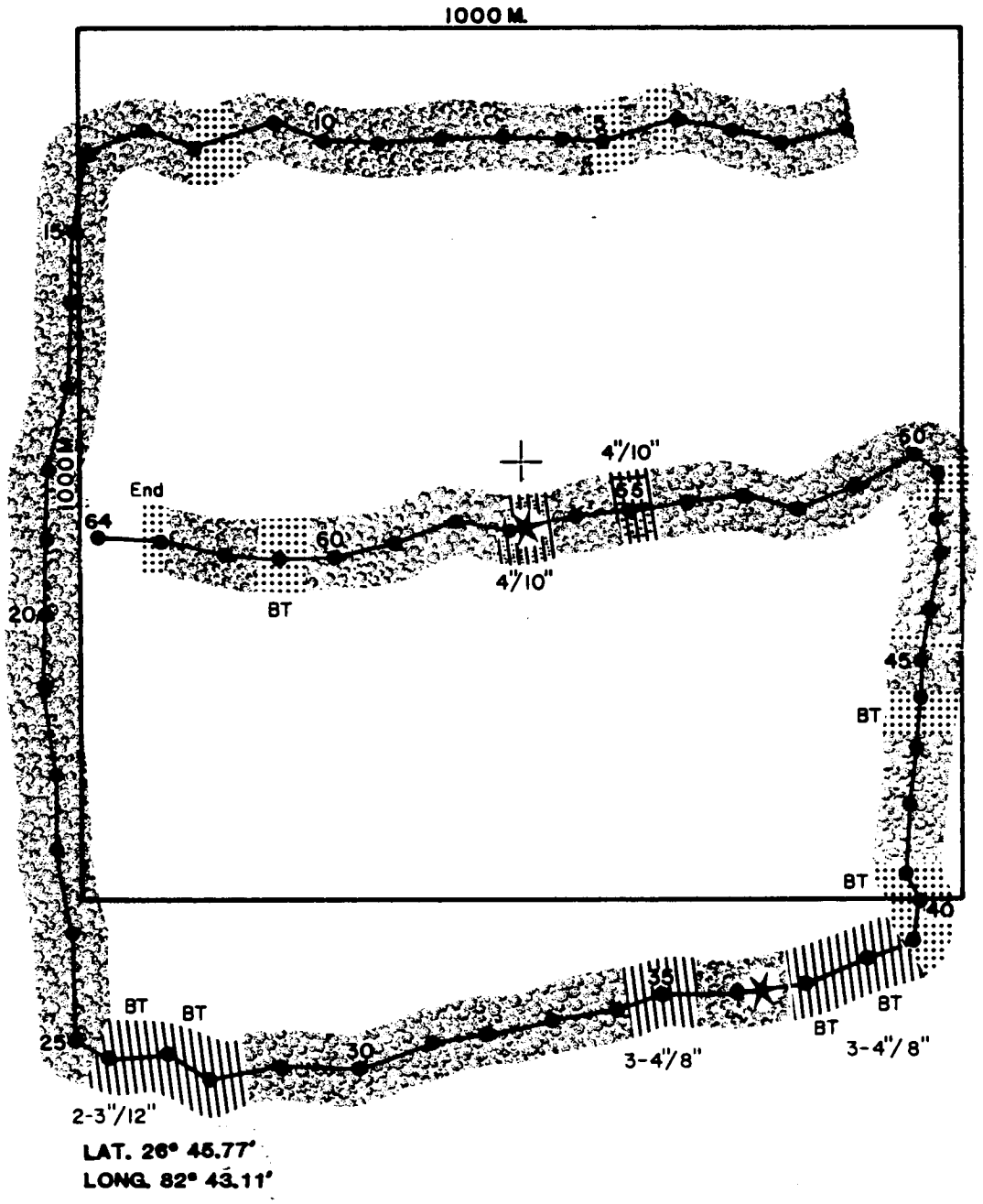
LONG. 83°41.19'

STATION 29 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III

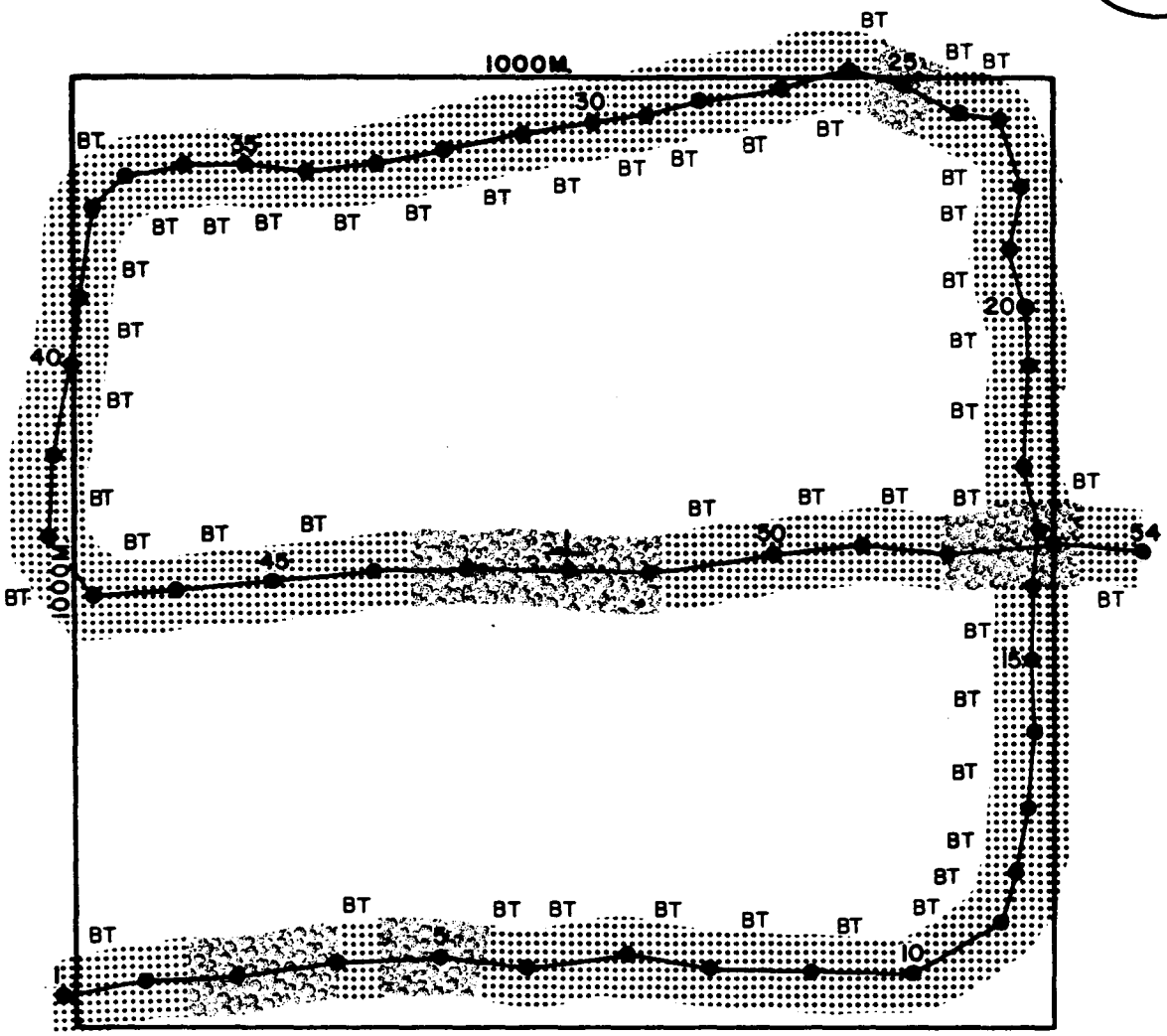


= LAT. 24°47.41'
LONG. 83°51.15'

STATION 30 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE III

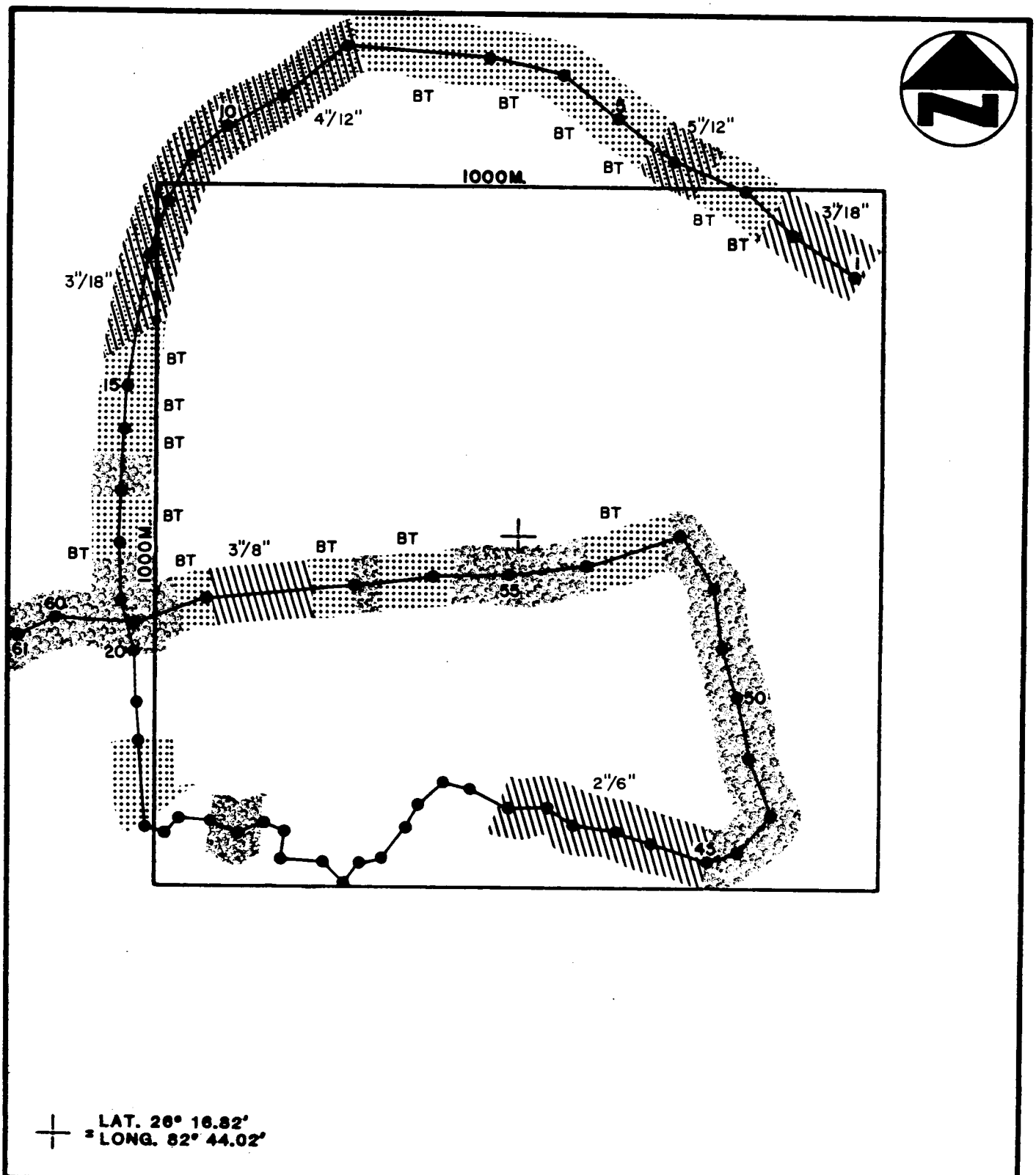


STATION 1 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE IV

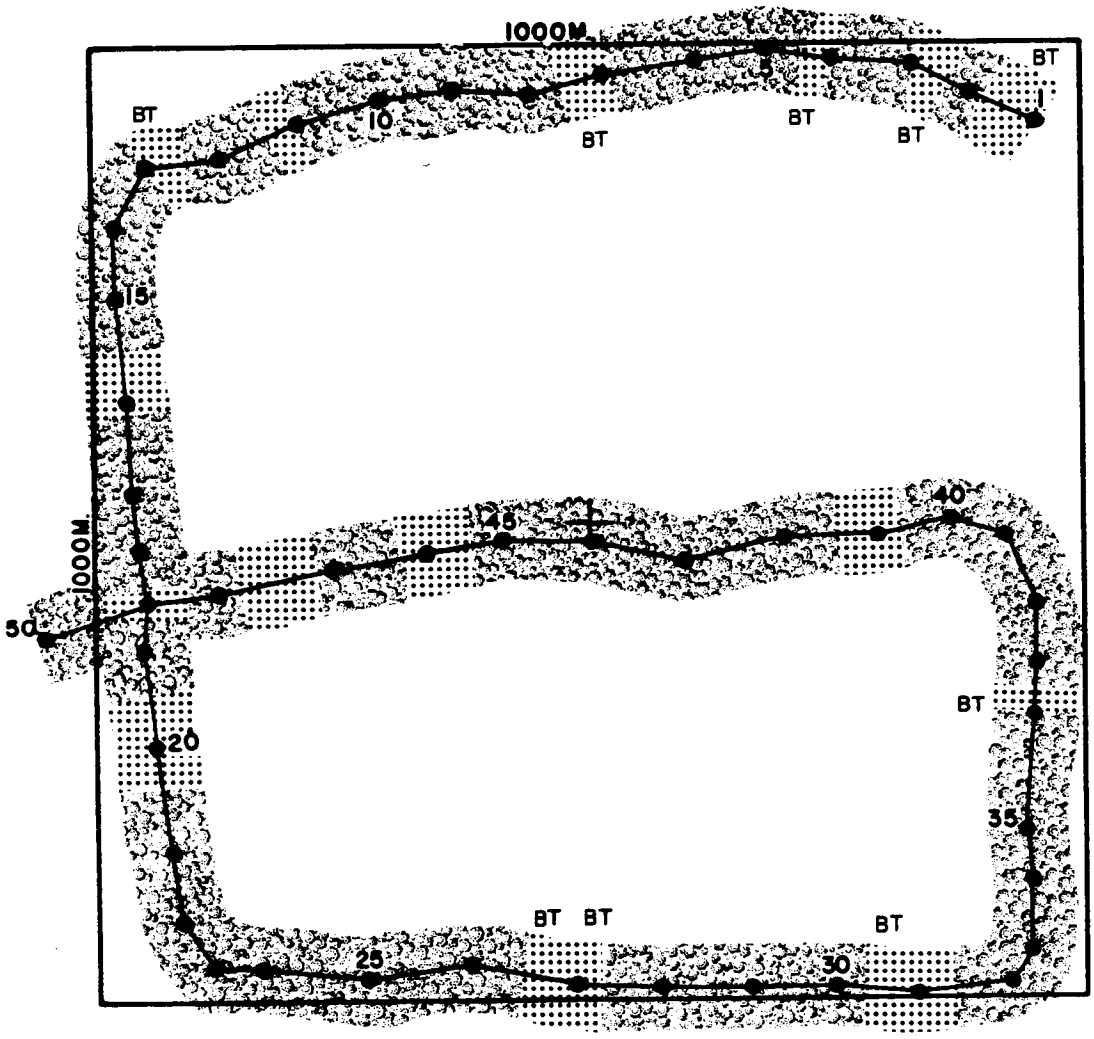


+ = LAT. 26° 46.86'
LONG. 83° 21.44'

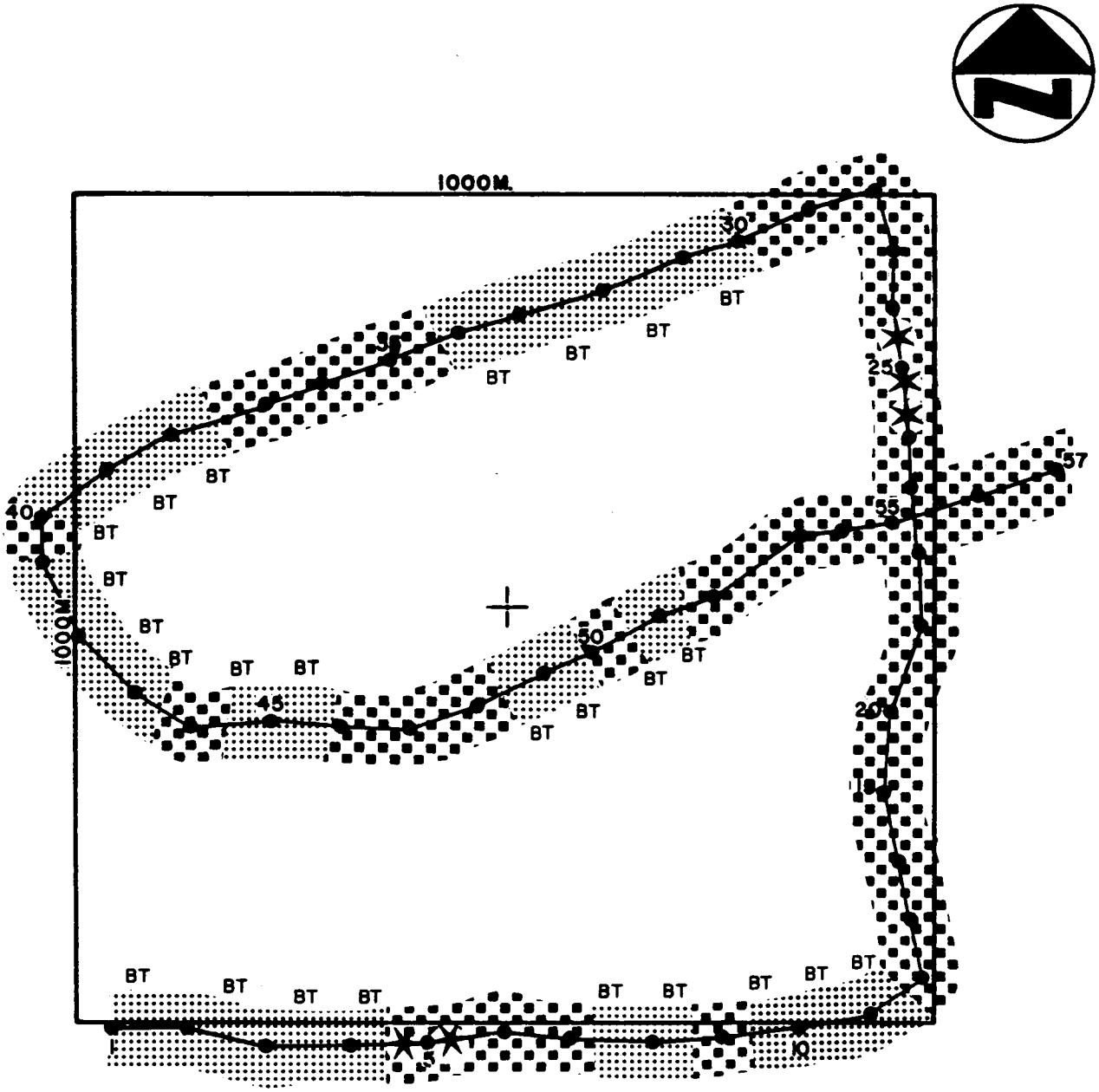
STATION 3 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE IV



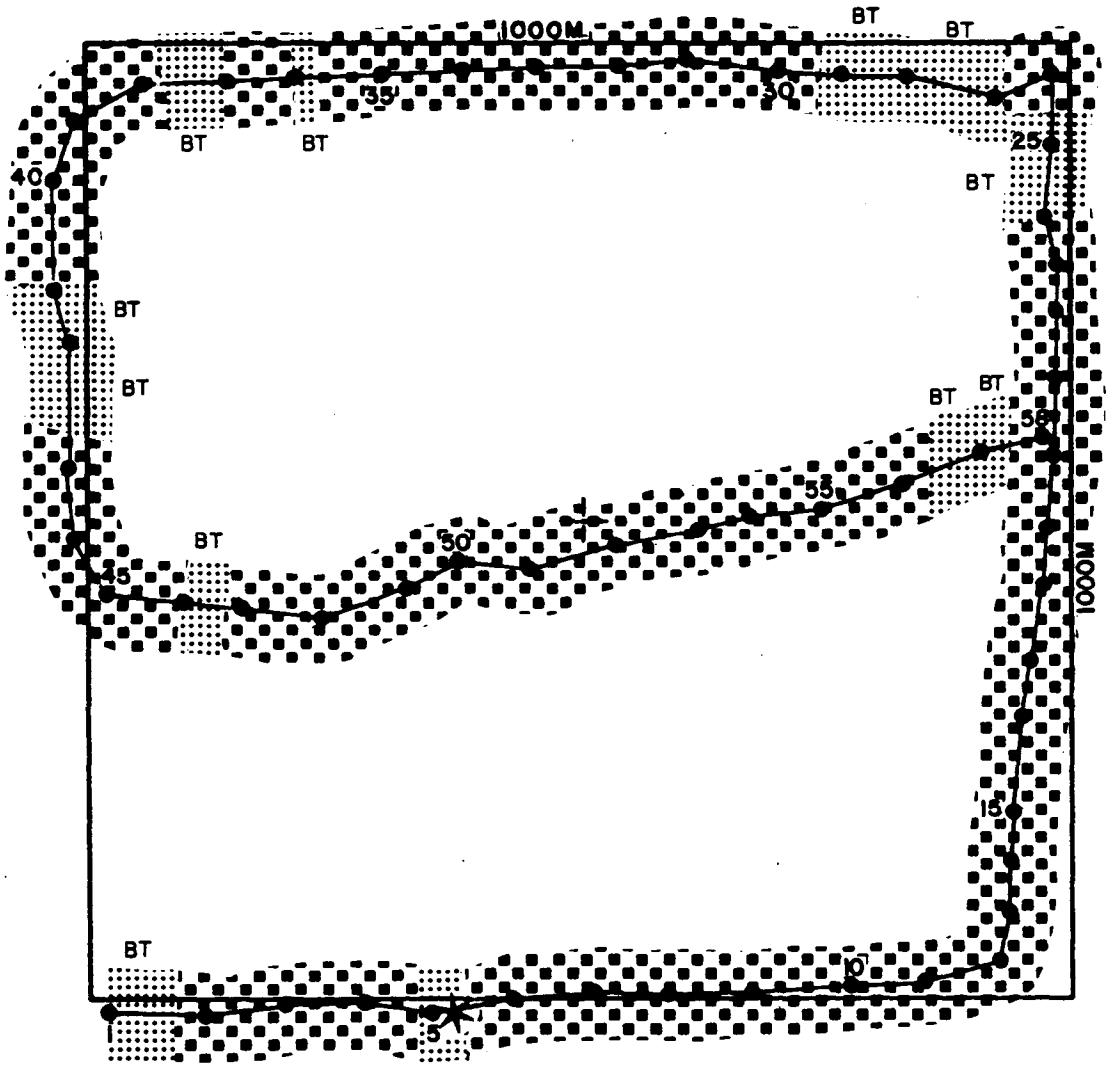
STATION 7 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE IV



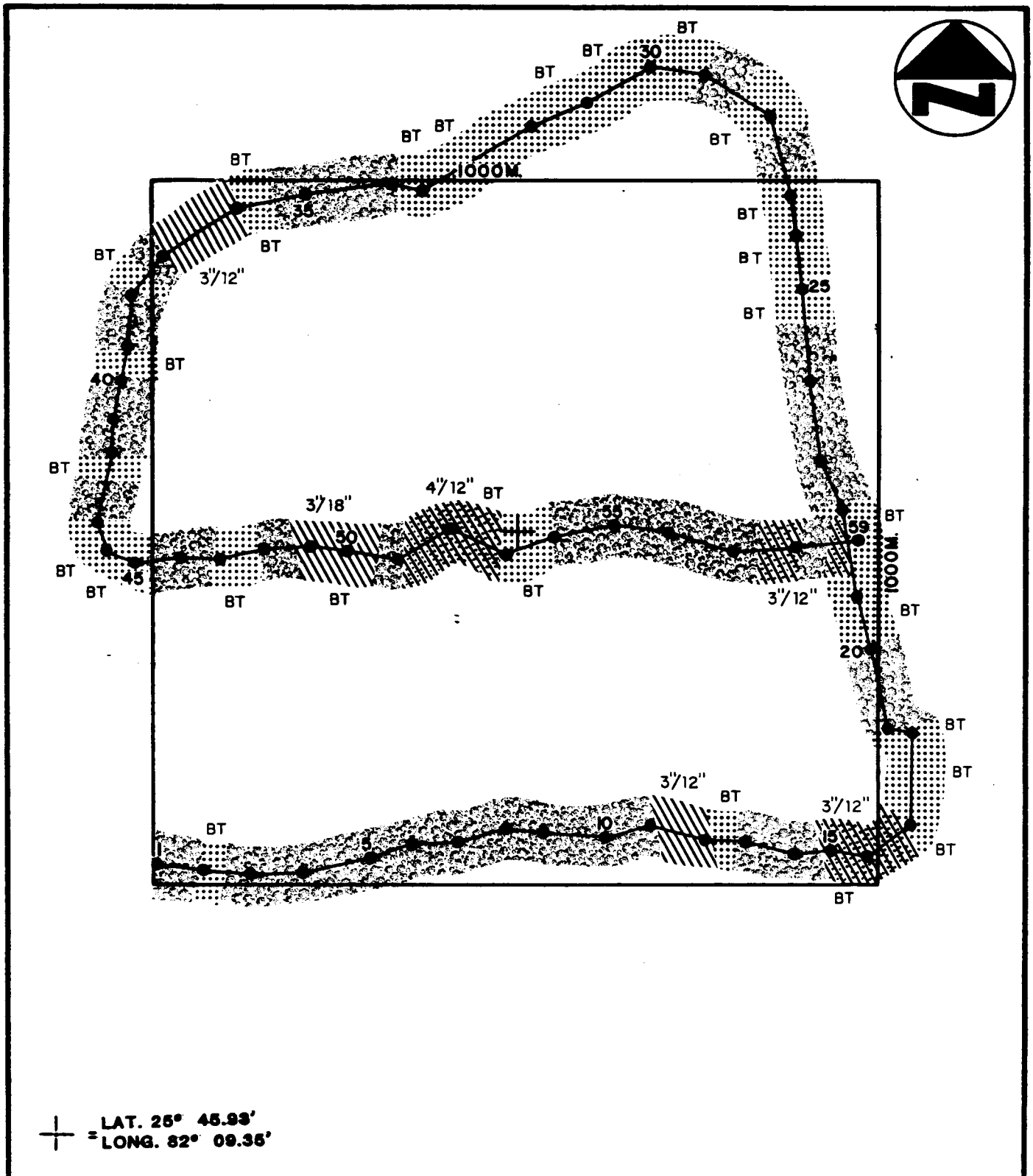
STATION 9 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE IV



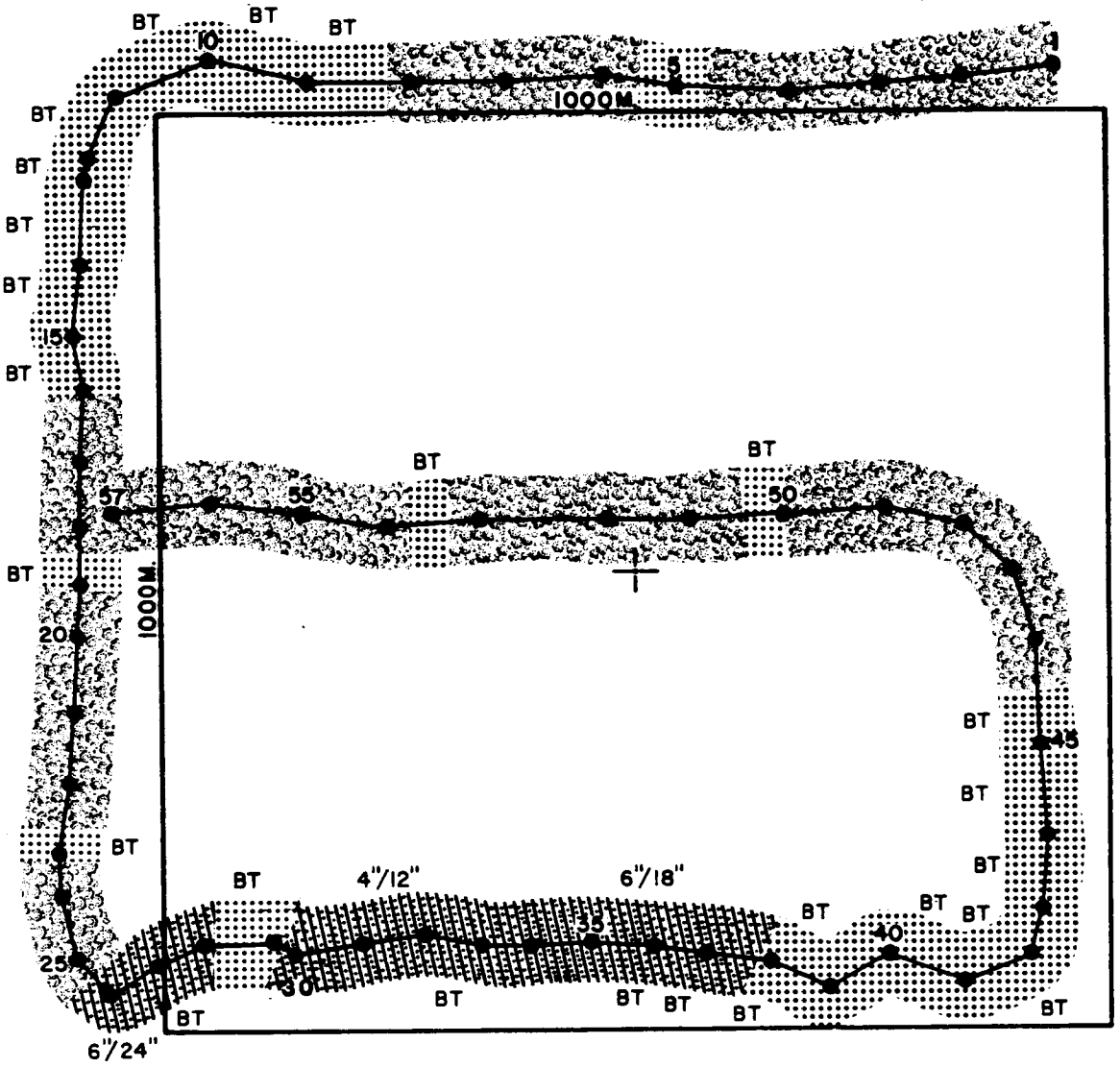
STATION 10 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE IV



STATION 11 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE IV



STATION 13 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE IV



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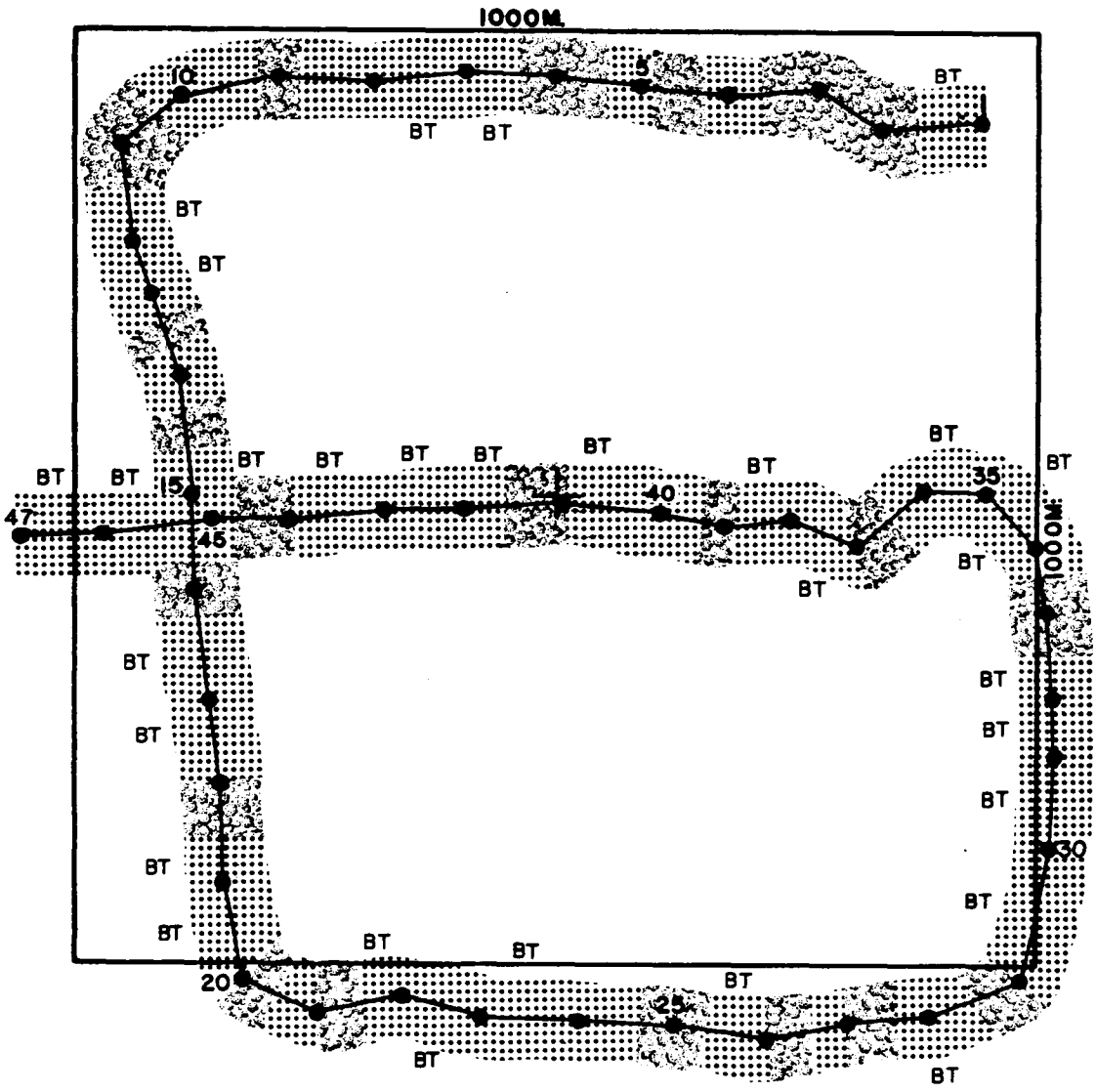
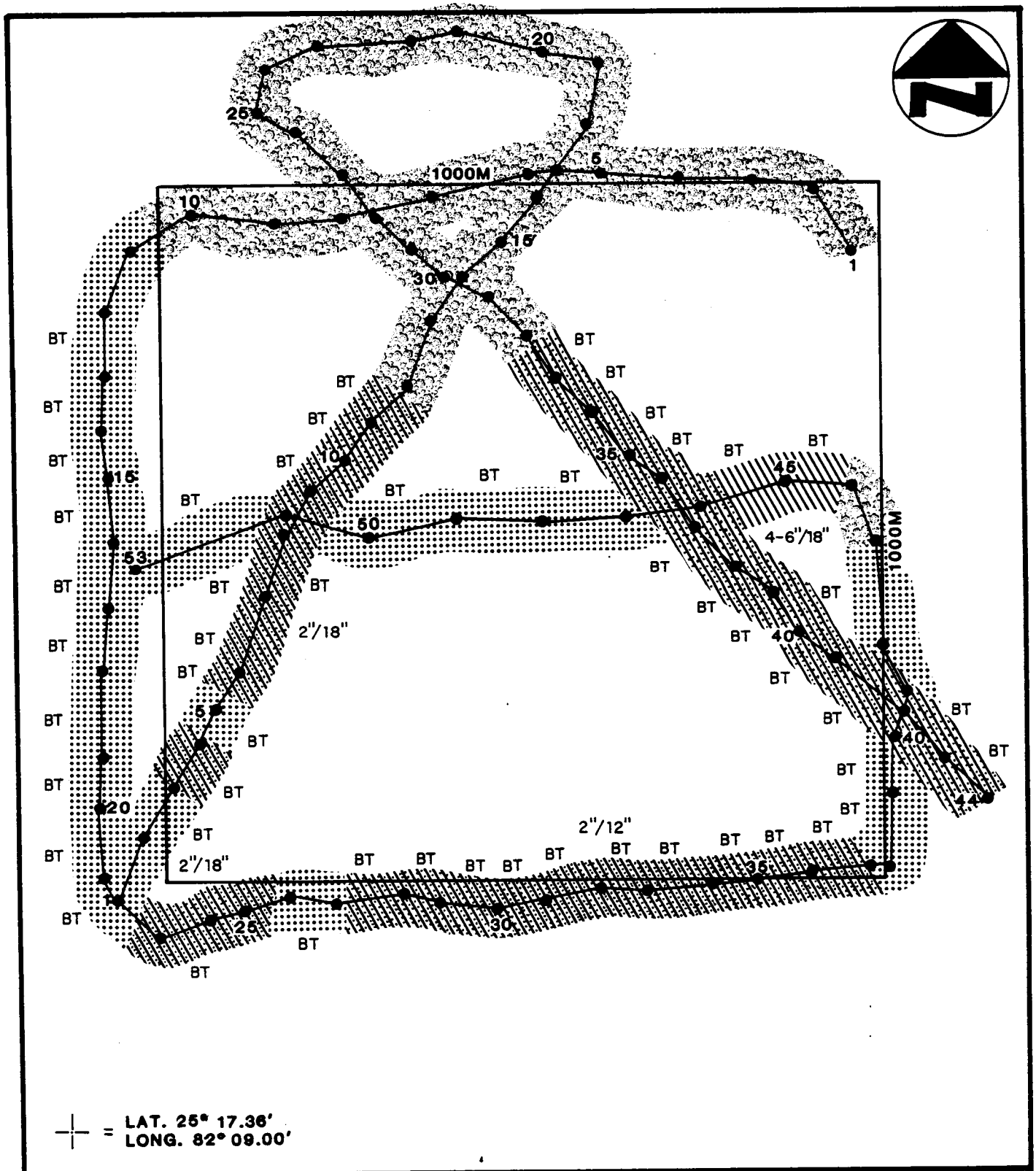
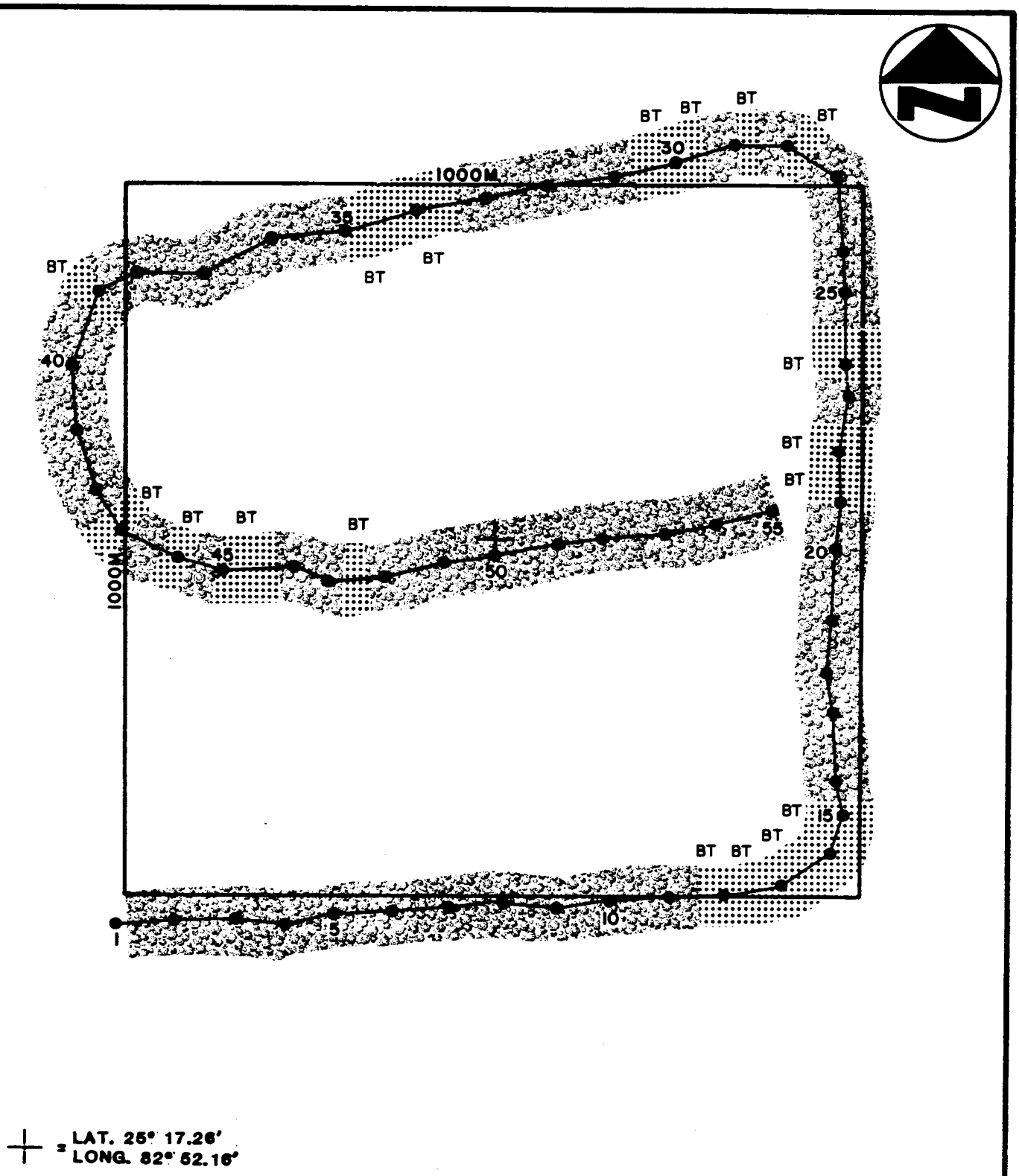


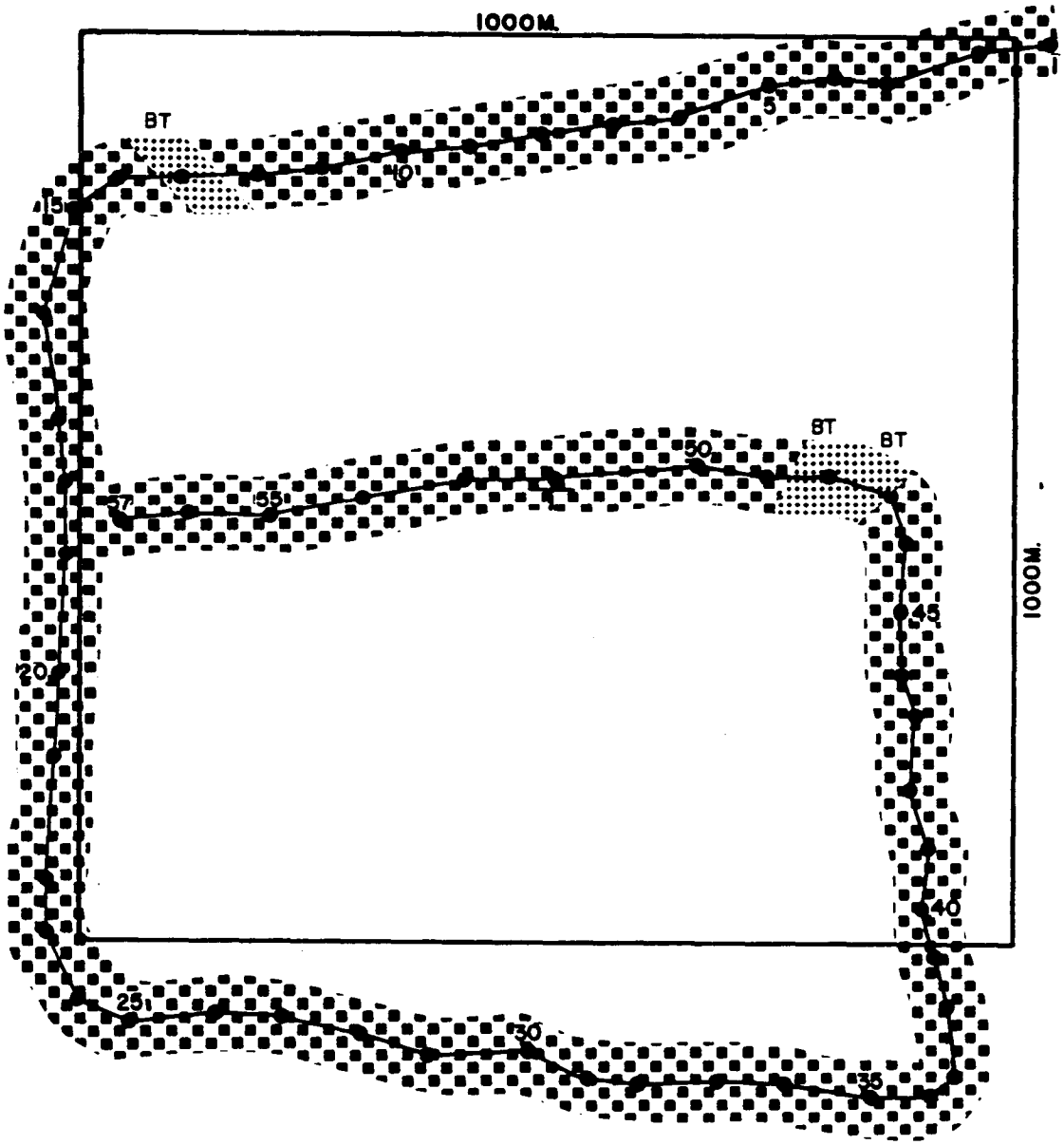
STATION 17 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE IV



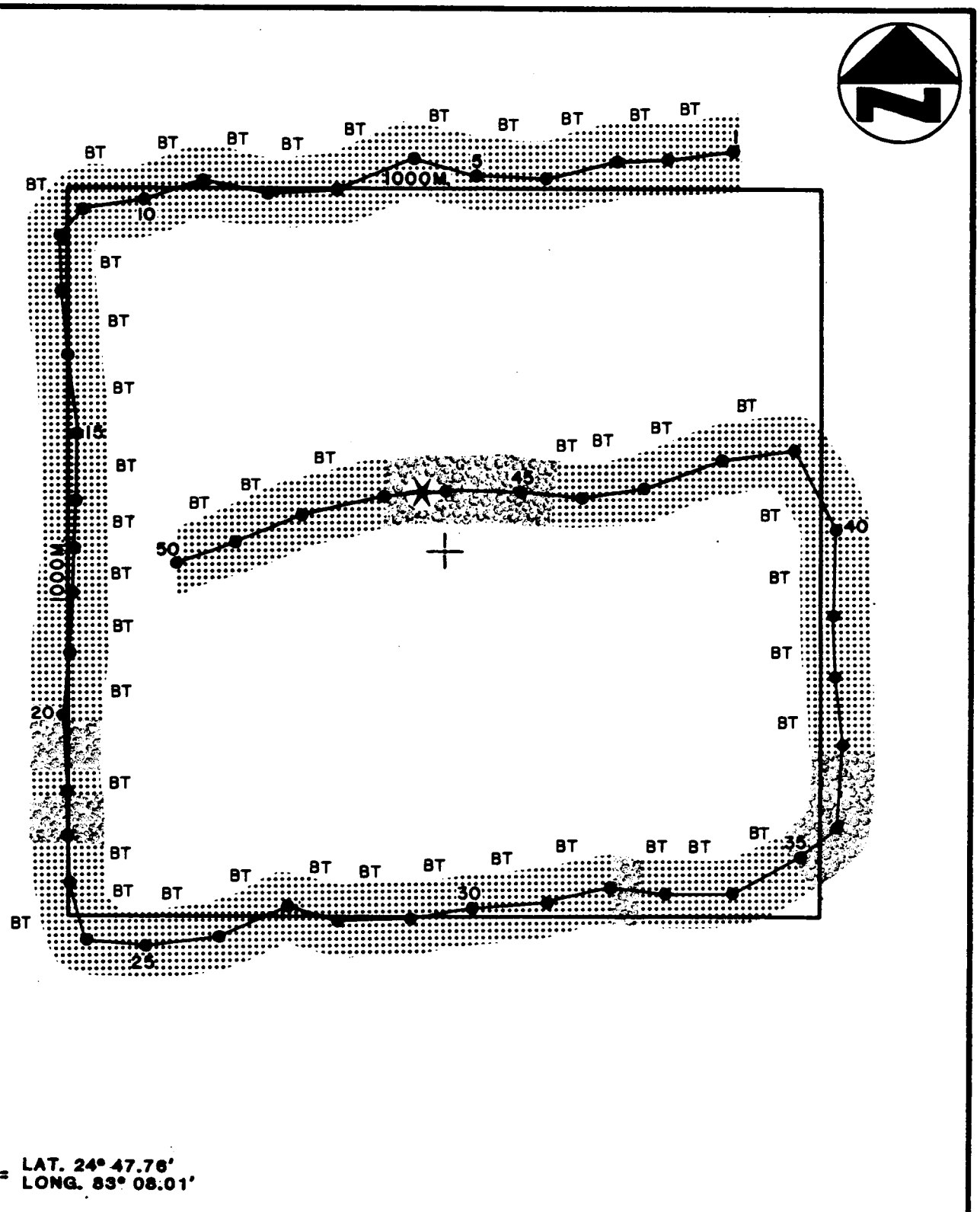
STATION 19 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE IV



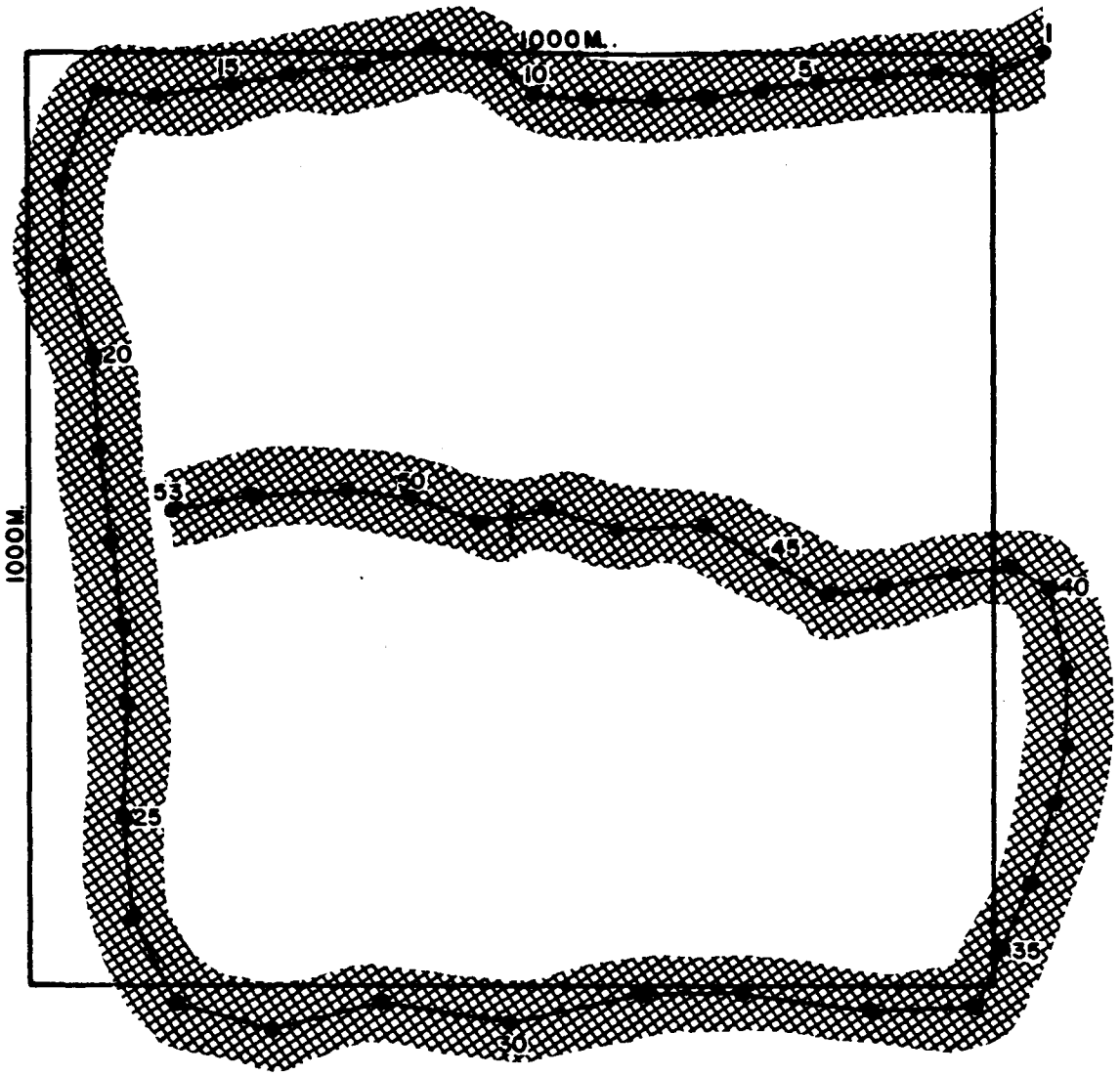
STATION 21 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE IV



STATION 23 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE IV

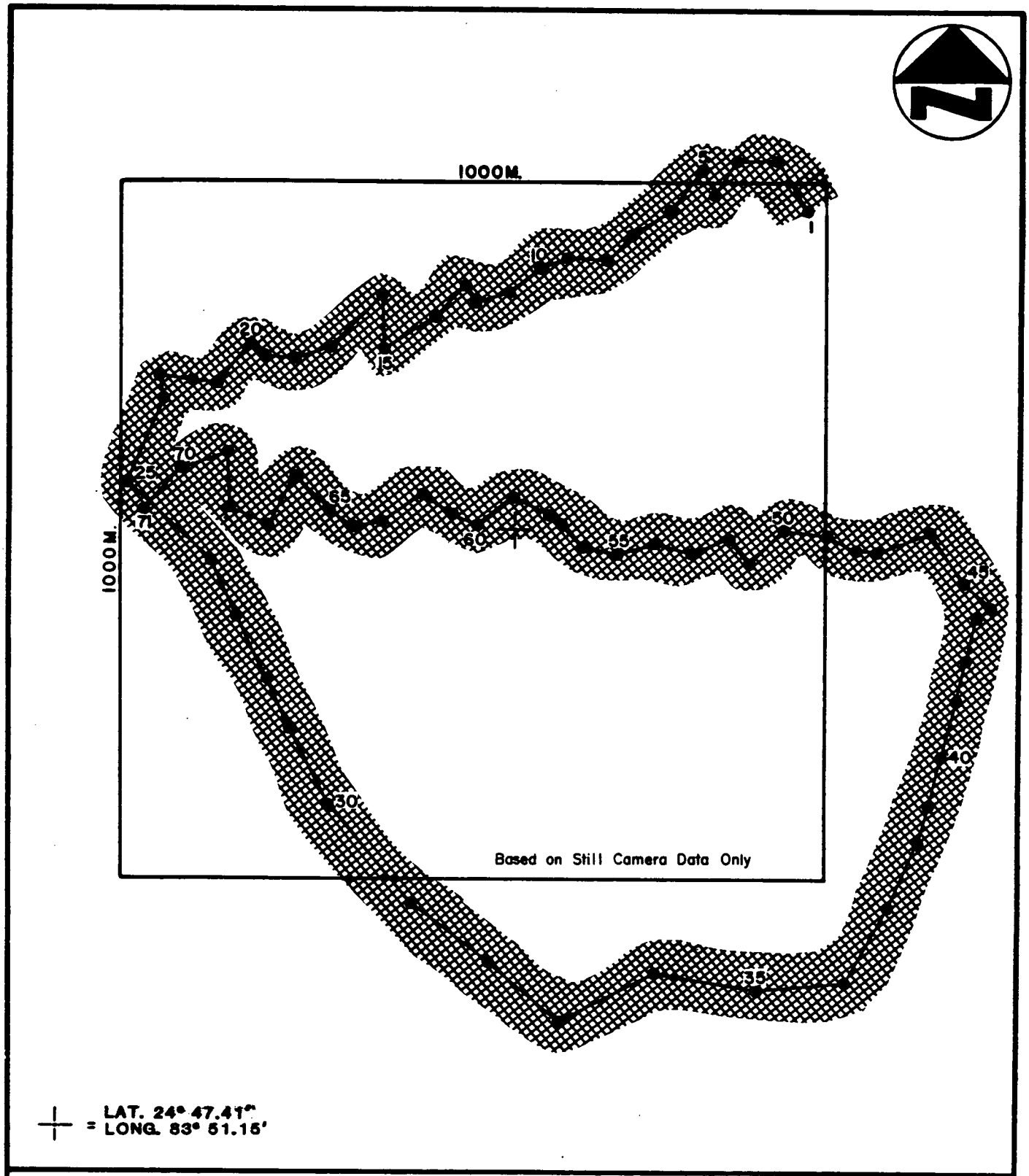


STATION 27 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE IV



+ = LAT. 24° 47.51'
LONG. 83° 41.19'

STATION 29 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE IV



STATION 30 - HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA - CRUISE IV

APPENDIX B-4 SUMMARY OF RESULTS OF SURFICIAL SEDIMENT GRAIN SIZE ANALYSIS

Table 1.
Grain Size Analysis by Percentage of Total Sample with Mean ($\bar{x}$), Standard Deviation (S.D.) and Coefficient of Variation (C.V.) sampled in November 1980.

Station	>4.00mm	2.00-4.00mm	1.00-2.00mm	0.50-1.00mm	0.25-0.50mm	0.125-0.25mm	0.063-0.125mm
2A	0.04	0.39	2.17	2.84	10.73	61.00	18.32
2B	0.37	1.54	4.83	6.32	21.12	51.69	9.90
2C	9.92	15.64	22.06	24.52	12.99	8.65	2.41
2D	5.74	14.05	36.21	29.85	7.59	3.88	0.87
2E	0.02	1.53	10.55	22.30	38.52	23.85	1.58
$\bar{x}$	3.22	6.63	15.16	17.17	18.19	29.81	6.62
S.D.	4.46	7.53	14.03	11.86	12.42	25.53	7.48
C.V.	138.73	113.65	92.52	69.19	68.27	85.63	113.07
4-1	0.41	2.93	19.32	25.59	25.85	12.26	3.82
4-2	0.26	4.12	23.38	28.88	28.67	5.56	2.05
4-3	0.00	3.76	23.04	31.12	28.49	5.21	1.68
4-4	0.00	3.12	18.53	30.30	29.63	6.73	2.32
4-5	0.10	1.21	14.26	34.51	33.42	7.47	2.43
$\bar{x}$	0.15	3.03	19.71	30.08	29.21	7.45	2.46
S.D.	0.18	1.12	3.73	3.25	2.74	2.84	0.81
C.V.	115.76	37.11	18.91	10.82	9.37	38.13	33.07
5A	0.22	3.79	23.41	26.82	25.51	9.82	4.30
5B	0.86	3.01	20.88	26.94	27.54	10.38	4.62
5C	0.48	2.94	20.72	26.44	29.18	9.98	4.10
5D	0.28	4.09	24.39	26.60	24.12	10.24	4.64
5E	0.44	3.10	22.20	30.78	30.14	7.29	2.41
$\bar{x}$	0.46	3.39	22.32	27.52	27.30	9.54	4.01
S.D.	0.25	0.52	1.59	1.83	2.50	1.28	0.92
C.V.	54.90	15.35	7.13	6.67	9.15	13.39	23.04
6A	0.39	0.46	1.38	2.16	6.59	33.04	33.73
6B	0.02	0.23	0.84	1.55	5.05	28.39	37.49
6C	0.00	0.18	0.64	1.25	4.69	29.48	37.04
6D	0.13	0.66	1.42	2.41	6.69	33.30	35.42
6E	0.03	0.52	1.43	2.52	6.72	33.28	32.17
$\bar{x}$	0.11	0.41	1.14	1.98	5.95	31.50	35.17
S.D.	0.16	0.20	0.37	0.55	0.99	2.37	2.24
C.V.	142.34	49.14	32.77	28.00	16.70	7.54	6.36
8A	0.08	0.19	0.76	3.59	26.25	38.58	15.42
8B	0.29	0.50	1.43	5.29	19.76	36.08	18.03
8C	0.02	0.36	1.02	3.40	21.07	42.12	16.47
8D	0.13	0.47	2.96	12.33	42.10	24.57	5.47
8E	0.11	0.53	1.84	6.06	24.14	39.53	15.43
$\bar{x}$	0.13	0.41	1.60	6.13	26.66	36.18	14.16
S.D.	0.10	0.14	0.86	3.64	9.00	6.84	4.98
C.V.	79.88	33.84	53.86	59.37	33.74	18.90	35.13

Table 1. Continued.
Grain Size Analysis by Percentage of Total Sample with Mean ($\bar{x}$), Standard Deviation (S.D.) and Coefficient of Variation (C.V.) sampled in November 1980.

Station	>4.00mm	2.00-4.00mm	1.00-2.00mm	0.50-1.00mm	0.25-0.50mm	0.125-0.25mm	0.063-0.125mm
12A	0.87	1.39	4.81	8.41	25.36	20.13	19.85
12B	0.64	1.00	3.23	6.60	19.30	22.91	23.53
12C	0.85	2.00	4.75	8.49	20.83	22.42	21.37
12D	0.00	0.80	3.80	11.20	29.18	16.72	16.09
12E	0.61	0.98	4.87	12.38	29.89	15.10	14.15
$\bar{x}$	0.59	1.23	4.29	9.42	24.91	19.46	19.00
S.D.	0.35	0.48	0.74	2.33	4.78	3.45	3.84
C.V.	59.34	38.84	17.21	24.77	19.18	17.74	20.19
14A	0.00	0.25	1.08	2.49	8.25	34.75	29.38
14B	0.09	0.25	0.93	1.94	8.73	41.10	28.40
14C	0.17	0.51	1.64	4.03	11.73	40.26	26.36
14D	0.43	1.37	3.76	5.68	14.12	41.88	21.66
14E	0.34	1.08	3.18	4.87	14.06	45.31	15.99
$\bar{x}$	0.21	0.69	2.12	3.80	11.38	40.66	24.36
S.D.	0.18	0.51	1.28	1.57	2.81	3.82	5.54
C.V.	85.92	73.48	60.38	41.40	24.72	9.40	22.75
16A	0.15	2.79	8.92	16.87	27.77	18.61	10.12
16B	1.00	4.42	20.25	25.49	21.40	9.81	6.47
16C	0.24	2.35	6.17	8.26	20.36	27.01	18.50
16D	0.45	1.58	3.33	4.85	20.25	31.81	17.92
16E	0.67	3.46	21.58	31.72	22.93	6.45	2.72
$\bar{x}$	0.50	2.92	12.05	17.44	22.54	18.74	11.15
S.D.	0.34	1.08	8.34	11.31	3.11	10.84	6.96
C.V.	68.39	37.04	69.24	64.87	13.82	57.85	62.46
18A	0.44	1.49	9.60	20.42	36.82	23.13	3.49
18B	0.00	0.46	7.61	23.07	38.19	22.37	3.83
18C	0.17	0.89	6.41	12.05	30.98	41.56	4.78
18D	0.82	3.96	19.09	23.11	17.78	13.35	11.71
18E	0.12	0.91	7.58	14.74	30.57	36.94	5.25
$\bar{x}$	0.31	1.54	10.06	18.68	30.87	27.47	5.81
S.D.	0.33	1.40	5.18	5.04	8.07	11.54	3.37
C.V.	105.62	90.82	51.48	26.96	26.14	42.00	58.02
20B	0.87	1.97	12.33	36.50	41.52	5.15	0.45
20C	0.30	1.14	4.21	33.29	52.93	6.54	0.49
20D	1.40	1.78	13.28	41.30	35.41	4.40	0.52
20E	0.08	1.09	11.48	39.69	39.66	5.43	0.76
20F	0.15	1.42	10.40	38.20	43.03	5.32	0.37
$\bar{x}$	0.56	1.48	10.34	37.80	42.51	5.37	0.52
S.D.	0.56	0.39	3.59	3.08	6.49	0.77	0.15
C.V.	100.53	26.20	34.70	8.16	15.26	14.32	28.29

Table 1. Continued.
Grain Size Analysis by Percentage of Total Sample with Mean ($\bar{x}$), Standard Deviation (S.D.) and Coefficient of Variation (C.V.) sampled in November 1980.

Station	>4.00mm	2.00-4.00mm	1.00-2.00mm	0.50-1.00mm	0.25-0.50mm	0.125-0.25mm	0.063-0.125mm
22B	2.48	5.97	13.76	28.04	21.38	8.46	5.22
22C	1.13	6.25	19.93	33.35	19.41	4.76	2.32
22D	1.21	2.71	5.16	11.99	29.55	24.04	9.48
22E	0.87	2.64	4.39	9.05	19.04	25.95	16.77
22F	1.66	4.68	8.62	16.61	19.83	17.56	12.21
$\bar{x}$	1.47	4.45	10.37	19.81	21.84	16.15	9.20
S.D.	0.63	1.73	6.50	10.47	4.40	9.34	5.69
C.V.	43.02	38.77	62.64	52.84	20.14	57.84	61.87
24B	0.18	0.67	8.20	23.61	32.41	16.21	9.16
24C	1.02	2.17	8.98	15.87	25.62	27.87	10.62
24D	0.13	0.68	9.58	25.99	32.72	15.30	7.93
24E	0.74	1.20	10.04	21.18	26.96	20.65	10.75
24F	0.07	0.69	5.37	16.58	32.67	29.27	9.33
$\bar{x}$	0.43	1.08	8.43	20.65	30.08	21.86	9.56
S.D.	0.43	0.65	1.85	4.39	3.49	6.47	1.16
C.V.	99.56	59.94	21.89	21.25	11.61	29.60	12.17
25B	0.32	1.11	2.01	1.96	2.77	4.68	12.75
25C	0.00	0.03	0.24	0.77	2.43	5.72	16.11
25D	0.08	0.29	1.13	1.73	2.84	4.85	14.36
25E	0.05	0.38	0.86	1.42	2.35	4.38	12.47
25F	0.11	1.09	1.92	2.04	3.13	5.00	14.14
$\bar{x}$	0.11	0.58	1.27	1.58	2.70	4.93	13.97
S.D.	0.12	0.49	0.74	0.51	0.32	0.50	1.46
C.V.	109.97	84.80	58.50	32.50	11.76	10.15	10.44
26B	0.06	0.47	0.51	0.59	0.91	2.04	6.88
26C	0.21	0.58	1.52	1.72	1.98	5.70	10.25
26D	5.91	4.33	4.93	3.50	2.92	5.26	10.20
26E	1.21	3.10	3.47	1.91	1.41	2.54	6.00
26F	0.20	0.78	1.01	1.15	2.13	4.39	7.11
$\bar{x}$	1.52	1.85	2.29	1.77	1.87	3.99	8.09
S.D.	2.50	1.76	1.85	1.09	0.76	1.63	1.99
C.V.	164.55	94.97	81.07	61.70	40.69	40.84	24.66
28B	0.21	1.05	2.66	7.04	26.01	42.75	10.20
28C	0.64	1.36	2.72	5.89	22.16	42.24	11.11
28D	0.91	2.31	8.55	26.21	35.50	14.10	4.43
28E	0.05	0.55	1.55	4.61	22.36	42.96	12.09
28F	0.32	2.74	8.45	26.87	33.19	11.31	4.08
$\bar{x}$	0.43	1.60	4.79	14.12	27.84	30.67	8.38
S.D.	0.35	0.90	3.42	11.37	6.18	16.43	3.83
C.V.	81.26	56.41	71.51	80.50	22.21	53.58	45.67

Table 2. Grain size analysis by percentage of total sample with Mean ($\bar{x}$), Standard Deviation (S.D.), and Variance (Var.) sampled in April-May 1981.

Station	>4.00mm	2.80-4.00mm	2.00-2.80mm	1.40-2.00mm	1.00-1.40mm	0.71-1.00mm	0.50-0.71mm	0.355-0.500mm	0.250-0.355mm	0.180-0.250mm	0.125-0.180mm	0.090-0.125mm	0.063-0.090mm
2A	0.01	0.04	0.15	0.38	0.53	0.85	1.08	1.33	8.41	28.79	36.66	15.09	3.15
2B	0.04	0.05	0.22	0.41	0.57	0.86	0.86	1.34	8.90	29.80	37.27	14.02	2.53
2C	0.01	0.03	0.19	0.33	0.51	0.57	0.72	0.94	5.93	23.88	35.16	19.95	5.11
2D	0.00	0.00	0.13	0.23	0.36	0.51	0.69	1.00	6.48	24.54	37.31	18.33	4.42
2E	0.00	0.04	0.20	0.34	0.44	0.59	0.71	1.02	6.81	26.47	38.37	16.77	3.79
$\bar{x}$	0.01	0.03	0.18	0.34	0.48	0.68	0.81	1.13	7.31	26.70	36.95	16.83	3.80
Var.	0.00	0.00	0.00	0.01	0.01	0.03	0.03	0.04	1.65	6.66	1.38	5.73	1.03
S.D.	0.02	0.02	0.04	0.07	0.08	0.17	0.16	0.19	1.28	2.58	1.18	2.39	1.02
4A	1.17	1.36	4.64	10.67	16.11	14.54	12.28	12.06	11.78	3.58	2.42	1.55	1.44
4B	0.08	0.59	1.41	3.32	5.07	4.67	4.97	6.69	14.22	12.64	13.49	8.04	3.57
4C	0.61	1.98	5.08	7.76	11.68	12.26	13.51	12.57	12.95	3.40	2.37	1.70	1.72
4D	0.34	0.71	1.32	2.69	3.90	4.18	4.61	7.14	16.21	15.21	16.63	10.03	5.67
4E	0.23	0.92	3.54	9.26	16.88	16.48	13.04	11.10	8.96	2.94	2.44	1.81	1.73
$\bar{x}$	0.49	1.11	3.20	6.74	10.73	10.43	9.68	9.91	12.82	7.55	7.47	4.63	2.83
Var.	0.18	0.32	3.12	12.73	36.59	32.27	20.15	7.79	7.36	34.70	49.24	16.70	3.25
S.D.	0.43	0.57	1.77	3.57	6.05	5.68	4.49	2.79	2.71	5.89	7.02	4.09	1.80
5A	0.39	0.87	2.95	7.62	17.95	17.32	12.27	10.42	11.66	5.02	4.04	2.61	1.47
5B	0.36	0.79	3.27	8.13	18.78	17.47	13.93	14.01	13.41	3.81	2.59	1.27	0.55
5C	1.13	0.59	2.49	6.31	14.39	14.20	12.03	13.03	14.59	6.04	5.46	3.00	1.79
5D	0.66	1.00	2.94	2.70	15.39	15.17	12.35	12.56	13.88	5.50	5.21	3.10	1.91
5E	0.52	0.73	2.71	7.12	17.18	15.12	13.02	13.29	13.51	4.42	3.59	2.03	1.24
$\bar{x}$	0.61	0.80	2.87	6.38	16.74	15.86	12.72	12.66	13.41	4.96	4.18	2.40	1.39
Var.	0.10	0.02	0.09	4.67	3.29	2.13	0.59	1.85	1.17	0.77	1.40	0.58	0.29
S.D.	0.31	0.15	0.29	2.16	1.81	1.46	0.77	1.36	1.08	0.88	1.18	0.76	0.54
6A	0.14	0.31	0.30	0.56	0.76	0.99	1.49	1.86	4.61	9.43	24.08	19.33	15.63
6B	0.23	0.13	0.43	0.63	0.94	1.30	1.84	2.29	5.30	12.46	24.22	21.49	12.64
6C	0.22	0.29	0.33	0.53	0.79	1.11	1.61	2.05	5.38	12.75	25.35	22.13	11.47
6D	0.21	0.31	0.39	0.55	0.73	0.92	1.41	1.19	4.29	12.03	25.18	22.07	12.00
$\bar{x}$	0.02	0.26	0.36	0.57	0.81	1.08	1.59	1.85	4.90	11.67	24.71	21.26	12.94
Var.	0.00	0.01	0.00	0.00	0.01	0.03	0.04	0.22	0.28	2.31	0.42	1.73	3.46
S.D.	0.04	0.09	0.06	0.04	0.09	0.17	0.19	0.47	0.53	1.52	0.65	1.32	1.86

Table 2. Continued. Grain size analysis by percentage of total sample with Mean ($\bar{x}$), Standard Deviation (S.D.), and Variance (Var.) sampled in April-May 1981.

Station	>4.00mm	2.80-4.00mm	2.00-2.80mm	1.40-2.00mm	1.00-1.40mm	0.71-1.00mm	0.50-0.71mm	0.355-0.500mm	0.250-0.355mm	0.180-0.250mm	0.125-0.180mm	0.090-0.125mm	0.063-0.090mm
8A	0.11	0.15	0.39	0.74	1.31	2.41	3.13	5.75	14.09	14.34	18.81	11.02	6.71
8B	0.65	0.28	0.35	0.43	0.81	1.35	2.56	4.84	12.77	17.36	21.32	13.61	7.12
8C	0.26	0.12	0.33	0.50	0.93	1.77	3.30	5.99	16.06	18.63	20.52	11.53	5.69
8D	0.55	0.26	0.38	0.59	1.14	1.93	3.50	6.31	17.49	18.22	21.19	10.04	4.93
8E	0.02	0.06	0.33	0.43	0.98	2.20	4.89	7.85	13.28	10.34	11.21	9.01	7.27
$\bar{x}$	0.32	0.17	0.36	0.54	1.03	1.93	3.48	6.15	14.74	15.78	18.61	11.04	6.34
Var.	0.07	0.01	0.00	0.02	0.04	0.17	0.75	1.20	3.94	12.06	18.11	2.99	1.01
S.D.	0.27	0.09	0.03	0.13	0.19	0.41	0.86	1.10	1.98	3.47	4.26	1.73	1.00
12A	0.59	0.50	1.06	2.21	3.81	5.58	8.85	13.96	16.08	6.75	8.40	9.00	4.86
12B	0.17	0.29	0.70	1.83	3.65	5.65	9.63	17.35	19.97	6.69	6.98	7.24	4.12
12C	0.36	0.20	0.84	1.84	3.27	5.18	7.96	13.26	17.61	7.09	8.86	9.15	5.10
12D	0.17	0.30	0.80	2.14	4.31	6.26	9.37	15.84	18.68	6.58	7.42	8.21	4.03
12E	0.30	0.25	0.75	1.94	4.09	5.86	9.22	16.26	19.65	6.08	6.33	7.07	4.18
$\bar{x}$	0.32	0.31	0.83	1.99	3.83	5.71	9.01	15.33	18.40	6.64	7.60	8.13	4.46
Var.	0.03	0.01	0.02	0.03	0.16	0.16	0.42	2.84	2.53	0.13	1.06	0.93	0.24
S.D.	0.17	0.11	0.14	0.17	0.40	0.40	0.65	1.69	1.59	0.37	1.03	0.96	0.49
14A	0.00	0.11	0.30	0.67	1.01	1.42	2.12	3.43	9.92	19.86	26.08	13.18	6.18
14B	0.00	0.06	0.19	0.43	0.63	0.78	1.21	1.96	6.17	15.02	24.60	20.53	11.88
14C	0.07	0.12	0.28	0.48	0.68	0.80	1.25	1.93	6.53	14.14	30.15	18.56	10.18
14D	0.33	0.23	0.93	1.83	2.88	3.83	5.80	7.81	15.86	21.13	25.96	8.57	2.18
14E	0.10	0.12	0.23	0.57	0.97	1.36	1.85	2.25	5.41	10.63	19.42	19.26	9.85
$\bar{x}$	0.10	0.13	0.39	0.80	1.23	1.64	2.45	3.48	8.78	16.16	25.24	16.02	8.05
Var.	0.02	0.00	0.09	0.34	0.88	1.59	3.67	6.24	18.66	18.59	14.90	25.21	15.10
S.D.	0.14	0.06	0.31	0.59	0.94	1.26	1.92	2.50	4.32	4.31	3.86	5.02	3.89
16A	0.03	0.23	0.60	1.18	1.97	2.73	4.72	8.08	17.25	15.29	17.77	11.79	5.02
16B	0.82	1.32	2.43	2.98	3.14	2.89	3.87	6.11	13.70	15.08	17.85	11.28	4.76
16C	0.71	1.37	4.15	5.78	7.27	8.33	11.57	13.66	17.45	9.28	6.27	3.36	1.95
16D	0.63	0.79	1.23	2.87	6.17	7.34	7.34	8.55	18.08	19.63	16.53	4.45	1.62
16E	1.02	0.84	1.90	4.63	9.60	10.77	10.03	12.04	15.95	11.66	11.58	4.23	1.96
$\bar{x}$	0.45	0.58	1.24	2.89	6.29	7.93	8.10	9.84	18.38	18.16	15.79	4.85	1.56
Var.	0.15	0.05	0.18	1.04	3.73	2.99	2.58	3.68	12.23	15.53	15.39	4.35	0.15
S.D.	0.39	0.23	0.42	1.02	1.93	1.73	1.61	1.92	3.50	3.94	3.92	2.09	0.39

Table 2. Continued. Grain size analysis by percentage of total sample with Mean ($\bar{x}$), Standard Deviation (S.D.), and Variance (Var.) sampled in April-May 1981.

Station	>4.00mm	2.80-4.00mm	2.00-2.80mm	1.40-2.00mm	1.00-1.40mm	0.71-1.00mm	0.50-0.71mm	0.355-0.500mm	0.250-0.355mm	0.180-0.250mm	0.125-0.180mm	0.090-0.125mm	0.063-0.090mm
18A	0.27	0.47	1.12	2.21	4.63	6.22	6.14	8.41	18.43	21.68	19.42	5.15	1.71
18B	0.02	0.29	0.72	2.13	5.42	8.14	9.46	11.84	24.15	20.36	11.83	2.33	0.91
18C	0.30	0.49	1.24	2.62	5.63	7.16	7.54	8.37	15.28	17.47	19.59	8.08	1.60
18D	0.63	0.79	1.23	2.87	6.17	7.34	7.34	8.55	18.08	19.63	16.53	4.45	1.62
18E	1.02	0.84	1.90	4.63	9.60	10.77	10.03	12.04	15.95	11.66	11.58	4.23	1.96
$\bar{x}$	0.45	0.58	1.24	2.89	6.29	7.93	8.10	9.84	18.38	18.16	15.79	4.85	1.56
Var.	0.15	0.05	0.18	1.04	3.73	2.99	2.58	3.68	12.23	15.53	15.39	4.35	0.15
S.D.	0.39	0.23	0.42	1.02	1.93	1.73	1.61	1.92	3.50	3.94	3.92	2.09	0.39
20A	0.61	0.22	1.00	2.15	7.32	16.76	24.27	21.52	19.39	4.47	1.16	0.30	0.21
20B	0.47	0.27	0.78	1.60	4.76	12.45	21.45	23.38	25.81	6.12	1.47	0.33	0.21
20C	0.36	0.38	0.86	1.65	4.39	10.25	18.23	22.20	28.48	8.26	2.46	0.67	0.45
20D	0.11	0.21	0.57	1.85	7.31	18.48	26.87	22.13	16.73	2.99	0.69	0.12	0.10
20E	0.07	0.05	0.27	0.84	4.04	13.83	24.43	26.18	23.62	4.72	1.03	0.21	0.14
$\bar{x}$	0.32	0.23	0.70	1.62	5.56	14.35	23.05	23.08	22.81	5.31	1.36	0.33	0.22
Var.	0.05	0.01	0.08	0.24	2.62	10.89	10.94	3.45	22.62	3.95	0.46	0.04	0.02
S.D.	0.23	0.12	0.28	0.49	1.62	3.30	3.31	1.86	4.76	1.99	0.67	0.21	0.14
22A	0.29	0.79	1.58	1.83	2.61	3.75	5.16	6.22	11.46	10.80	12.08	10.63	5.85
22B	0.21	0.86	2.54	6.55	14.67	19.52	18.25	11.48	7.80	2.70	2.20	1.72	1.44
22C	1.15	0.85	2.29	3.83	6.48	9.70	11.37	9.65	12.03	7.97	7.65	6.17	3.49
22D	1.19	1.55	2.22	3.07	4.78	6.95	7.62	8.14	12.47	10.02	11.31	9.12	4.11
22E	1.43	1.89	3.55	3.36	3.77	4.35	5.85	6.72	11.35	9.34	11.35	9.17	5.35
$\bar{x}$	0.86	1.19	2.44	3.73	6.46	8.85	9.65	8.44	11.02	8.17	8.92	7.36	4.05
Var.	0.32	0.25	0.51	3.04	23.07	41.11	28.91	4.67	3.45	10.42	17.09	12.57	3.01
S.D.	0.56	0.50	0.72	1.74	4.80	6.41	5.38	2.16	1.86	3.23	4.13	3.55	1.74
24A	0.49	0.16	0.34	1.07	6.01	9.72	13.89	18.32	19.71	9.31	7.88	4.61	2.60
24B	0.12	0.10	0.28	1.19	3.73	6.16	8.79	12.77	16.55	12.79	13.46	8.33	4.01
24C	0.13	0.17	0.31	0.80	2.25	3.39	4.95	8.92	17.07	17.19	18.32	9.67	4.18
24D	0.48	0.26	0.33	1.45	7.55	13.48	20.11	25.29	17.98	5.42	3.44	1.58	0.76
24E	2.79	0.34	1.02	3.21	9.86	13.09	15.38	15.46	12.95	7.83	7.38	4.55	1.64
$\bar{x}$	0.80	0.21	0.46	1.54	5.88	9.17	12.62	16.15	16.85	10.51	10.01	5.75	2.64
Var.	1.27	0.01	0.10	0.92	9.11	19.18	34.71	38.11	6.20	21.09	33.89	10.54	2.20
S.D.	1.13	0.09	0.32	0.96	3.02	4.38	5.89	6.17	2.49	4.59	5.82	3.25	1.48

Table 2, Continued. Grain size analysis by percentage of total sample with Mean ($\bar{x}$), Standard Deviation (S.D.), and Variance (Var.) sampled in April-May 1981.

Station	>4.00mm	2.80-4.00mm	2.00-2.80mm	1.40-2.00mm	1.00-1.40mm	0.71-1.00mm	0.50-0.71mm	0.355-0.500mm	0.250-0.355mm	0.180-0.250mm	0.125-0.180mm	0.090-0.125mm	0.063-0.090mm
25A	0.00	0.00	0.10	0.25	0.46	0.61	0.93	1.18	2.55	2.58	4.67	10.90	7.68
25B	0.00	0.16	0.22	0.44	0.62	0.67	0.79	0.85	1.90	2.27	4.91	11.34	11.23
25C	0.00	0.05	0.21	0.22	0.44	0.51	0.70	0.68	1.56	1.88	3.76	8.78	8.61
25D	0.00	0.06	0.20	0.34	0.51	0.69	0.88	0.98	1.96	2.10	3.97	9.60	9.63
25E	0.00	0.08	0.04	0.20	0.36	0.58	0.87	0.96	1.79	2.04	3.90	9.79	6.88
$\bar{x}$	0.00	0.07	0.15	0.29	0.48	0.61	0.83	0.93	1.95	2.17	4.24	10.08	8.81
Var.	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.03	0.14	0.07	0.26	1.07	2.89
S.D.	0.00	0.06	0.08	0.10	0.10	0.07	0.09	0.18	0.37	0.27	0.51	1.03	1.70
26A	0.97	0.69	0.88	0.96	1.21	1.16	1.52	1.33	1.59	1.72	3.05	6.65	5.36
26B	0.24	0.42	0.53	0.76	0.82	0.80	0.82	0.81	1.15	1.54	3.31	7.80	6.76
26C	0.38	0.27	0.89	0.70	1.13	0.99	1.09	0.88	1.59	1.92	4.00	7.89	6.71
26D	2.02	1.11	1.97	1.91	2.01	1.55	1.34	1.00	1.41	1.66	3.81	8.17	5.38
26E	0.82	0.70	0.78	1.15	1.28	1.20	1.32	1.13	1.60	1.71	3.59	8.87	4.98
$\bar{x}$	0.89	0.64	1.01	1.10	1.29	1.14	1.22	1.03	1.47	1.71	3.55	7.88	5.84
Var.	0.49	0.10	0.31	0.24	0.19	0.08	0.07	0.04	0.04	0.02	0.14	0.65	0.70
S.D.	0.70	0.32	0.56	0.49	0.44	0.28	0.27	0.21	0.19	0.14	0.38	0.80	0.83
28A	0.44	0.51	0.73	1.24	2.41	4.30	6.93	10.56	18.68	17.60	20.23	6.89	1.83
28B	0.18	0.28	0.53	0.95	1.96	3.49	6.13	8.56	16.78	17.26	21.50	9.01	2.57
28C	0.45	0.27	0.73	1.03	1.99	3.08	5.03	6.80	15.26	18.34	22.13	9.75	2.94
28D	0.23	0.88	1.46	1.57	2.43	3.75	5.70	7.18	15.42	17.91	19.65	9.35	2.35
28E	1.49	0.50	0.97	1.08	1.85	2.94	4.46	6.61	14.87	19.36	21.24	9.96	2.61
$\bar{x}$	0.56	0.49	0.88	1.17	2.13	3.51	5.65	7.94	16.20	18.09	20.95	8.99	2.46
Var.	0.29	0.06	0.13	0.06	0.07	0.30	0.92	2.72	2.44	0.66	1.00	1.51	0.17
S.D.	0.53	0.25	0.36	0.25	0.27	0.55	0.96	1.65	1.56	0.81	1.00	1.23	0.41

Table 3.
Silt Clay Analysis by Percentage of Total Sample with Mean ($\bar{x}$), Standard Deviation (S.D.) and Coefficient of Variation (C.V.) sampled in November 1980.

		SILTS				CLAYS		
Station		.031-.062mm	.016-.031mm	.008-.016mm	.004-.008mm	.002-.004mm	.001-.002mm	<.001mm
2A		2.36	0.81	0.31	0.04	0.37	0.21	0.41
2B		2.19	0.61	0.32	0.10	0.31	0.24	0.45
2C		0.96	0.09	0.46	0.37	0.38	0.25	0.68
2D		0.24	0.33	0.25	0.16	0.11	0.11	0.61
2E		0.49	0.28	0.22	0.15	0.07	0.12	0.32
	$\bar{x}$	1.25	0.54	0.31	0.06	0.25	0.19	0.49
	S.D.	0.97	0.23	0.09	0.12	0.15	0.07	0.15
	C.V.	78.07	42.31	29.67	75.99	59.43	35.78	29.91
4-1		3.59	2.37	0.84	0.60	0.32	0.64	1.46
4-2		2.26	1.48	0.63	0.58	0.64	0.70	0.79
4-3		2.15	0.96	0.83	0.35	0.49	0.49	1.42
4-4		2.96	1.51	1.23	0.72	1.01	0.93	1.01
4-5		1.91	1.14	0.68	1.21	0.41	0.48	0.75
	$\bar{x}$	2.57	1.49	0.84	0.69	0.57	0.65	1.09
	S.D.	0.69	0.54	0.24	0.32	0.27	0.18	0.34
	C.V.	26.78	36.38	27.97	46.10	47.14	28.40	31.15
5A		1.85	1.41	0.80	0.42	0.43	0.49	0.74
5B		1.85	1.25	0.80	0.59	0.62	0.20	0.47
5C		1.73	1.29	0.73	0.45	0.71	0.71	0.54
5D		1.89	1.18	0.63	0.39	0.26	0.39	0.89
5E		1.11	0.74	0.41	0.22	0.14	0.32	0.68
	$\bar{x}$	1.69	1.17	0.67	0.41	0.43	0.42	0.66
	S.D.	0.33	0.26	0.16	0.13	0.24	0.19	0.16
	C.V.	19.43	21.85	24.21	32.07	55.20	45.62	24.99
6A		16.11	2.58	0.90	0.50	0.26	0.41	1.49
6B		20.15	2.79	0.87	0.43	0.16	0.43	1.60
6C		19.71	3.14	0.97	0.51	0.40	0.56	1.43
6D		14.20	2.72	0.74	0.38	0.31	0.43	1.20
6E		17.99	2.03	0.84	0.48	0.25	0.46	1.29
	$\bar{x}$	17.63	2.65	0.86	0.46	0.28	0.46	1.40
	S.D.	2.49	0.40	0.08	0.05	0.08	0.06	0.16
	C.V.	14.15	15.25	9.77	11.81	28.43	13.05	11.34
8A		7.06	3.40	1.50	0.80	0.69	0.67	1.02
8B		8.69	4.28	1.99	0.88	0.77	0.87	1.16
8C		6.82	4.22	1.61	0.86	0.71	0.52	0.80
8D		4.98	2.43	1.35	0.71	0.67	0.61	1.23
8E		6.04	2.59	1.02	0.55	0.37	0.49	1.31
	$\bar{x}$	6.72	3.39	1.49	0.76	0.64	0.63	1.10
	S.D.	1.37	0.87	0.36	0.13	0.16	0.15	0.20
	C.V.	20.38	25.77	23.78	17.73	24.39	23.90	18.17

Table 3. Continued.
Silt Clay Analysis by Percentage of Total Sample with Mean ($\bar{x}$), Standard Deviation (S.D.) and Coefficient of Variation (C.V.) sampled in November 1980.

		SILTS				CLAYS		
Station		.031-.062mm	.016-.031mm	.008-.016mm	.004-.008mm	.002-.004mm	.001-.002mm	<.001mm
12A		6.33	4.63	2.46	1.22	0.75	0.90	2.88
12B		6.68	6.08	3.17	1.23	1.22	1.18	3.20
12C		5.09	5.23	2.89	1.33	0.85	1.18	2.73
12D		5.47	6.35	3.18	1.48	1.28	1.54	2.92
12E		6.08	5.28	3.43	1.38	1.33	1.53	2.98
	$\bar{x}$	5.93	5.50	3.03	1.33	1.09	1.27	2.94
	S.D.	0.64	0.70	0.37	0.11	0.27	0.27	0.17
	C.V.	10.87	12.62	12.22	8.17	24.52	21.40	5.82
14A		16.36	3.99	0.68	0.58	0.33	0.70	1.38
14B		12.05	3.00	0.87	0.43	0.23	0.54	1.43
14C		11.39	1.80	0.55	0.26	0.15	0.29	0.84
14D		7.33	1.41	0.44	0.38	0.20	0.41	0.94
14E		8.59	2.57	1.14	0.54	0.48	0.56	1.29
	$\bar{x}$	11.14	2.55	0.74	0.44	0.28	0.50	1.18
	S.D.	3.51	1.02	0.28	0.13	0.13	0.16	0.27
	C.V.	31.46	39.83	37.61	29.26	47.00	31.21	22.81
16A		5.05	3.59	1.58	1.16	1.02	0.85	1.52
16B		4.12	2.71	1.10	0.81	0.73	0.67	1.02
16C		7.78	3.87	1.71	0.66	0.74	1.05	1.32
16D		8.22	4.29	2.45	1.17	1.24	1.26	1.16
16E		2.47	2.55	1.57	0.96	0.88	0.90	1.15
	$\bar{x}$	5.53	3.40	1.68	0.95	0.92	0.95	1.23
	S.D.	2.44	0.75	0.49	0.22	0.21	0.22	0.19
	C.V.	44.20	22.03	29.01	23.27	23.17	23.45	15.56
18A		1.20	0.85	0.66	0.32	0.23	0.40	0.95
18B		1.58	0.86	0.51	0.21	0.18	0.27	0.85
18C		1.17	0.62	0.28	0.13	0.18	0.18	0.62
18D		4.33	2.00	1.02	0.44	0.49	0.57	1.31
18E		1.64	0.43	0.54	0.19	0.17	0.24	0.68
	$\bar{x}$	1.98	0.95	0.60	0.26	0.25	0.33	0.88
	S.D.	1.33	0.61	0.27	0.12	0.14	0.16	0.27
	C.V.	66.98	64.32	45.04	47.58	54.48	46.83	30.96
20B		0.39	0.18	0.07	0.05	0.02	0.05	0.45
20C		0.36	0.11	0.08	0.06	0.02	0.02	0.46
20D		0.49	0.29	0.20	0.14	0.12	0.09	0.59
20E		0.80	0.28	0.14	0.05	0.08	0.06	0.40
20F		0.32	0.17	0.12	0.04	0.03	0.02	0.40
	$\bar{x}$	0.47	0.21	0.12	0.07	0.05	0.05	0.46
	S.D.	0.19	0.08	0.05	0.04	0.04	0.03	0.08
	C.V.	41.07	37.38	42.75	60.10	82.40	61.45	16.91

Table 3. Continued.
Silt Clay Analysis by Percentage of Total Sample with Mean ($\bar{x}$), Standard Deviation (S.D.) and Coefficient of Variation (C.V.) sampled in November 1980.

		SILTS				CLAYS		
Station		.031-.062mm	.016-.031mm	.008-.016mm	.004-.008mm	.002-.004mm	.001-.002mm	<.001mm
22B		4.58	3.61	2.03	1.30	0.98	0.81	1.36
22C		3.45	3.03	1.58	1.57	0.83	0.76	1.57
22D		5.61	3.70	2.09	1.27	0.99	0.85	1.36
22E		7.77	4.97	2.85	1.70	1.31	0.96	1.74
22F		6.98	4.73	2.56	1.52	0.96	0.87	1.21
	$\bar{x}$	5.68	4.02	2.22	1.47	1.01	0.85	1.45
	S.D.	1.75	0.80	0.49	0.18	0.18	0.07	0.21
	C.V.	30.82	19.79	22.22	12.45	7.51	8.76	14.33
24B		3.43	1.93	0.98	0.61	0.57	0.75	1.27
24C		2.51	1.64	0.85	0.40	0.29	1.05	1.12
24D		2.82	1.53	0.76	0.38	0.38	0.84	0.96
24E		3.08	1.76	0.81	0.41	0.37	0.48	1.55
24F		2.20	1.08	0.61	0.49	0.40	0.43	0.82
	$\bar{x}$	2.81	1.59	0.80	0.46	0.40	0.71	1.14
	S.D.	0.48	0.32	0.13	0.09	0.10	0.26	0.28
	C.V.	17.07	20.18	16.81	20.68	25.57	36.28	24.73
25B		32.33	18.81	5.25	3.14	3.00	3.66	8.21
25C		41.15	13.55	5.14	2.31	2.63	3.08	6.86
25D		32.83	23.33	4.90	2.86	2.19	2.75	5.68
25E		37.32	18.77	5.60	3.11	2.43	3.34	7.53
25F		35.95	15.89	5.52	2.76	2.82	3.01	6.61
	$\bar{x}$	35.92	18.07	5.28	2.84	2.61	3.17	6.98
	S.D.	3.60	3.67	0.28	0.34	0.32	0.35	0.96
	C.V.	10.01	20.31	5.40	11.83	12.18	10.92	13.70
26B		10.92	32.15	16.77	8.27	4.52	3.36	12.56
26C		15.08	29.85	11.35	6.43	4.63	1.52	9.18
26D		15.82	21.58	9.29	4.78	3.21	1.03	7.26
26E		12.98	29.88	13.49	6.83	4.73	2.09	10.34
26F		15.31	32.70	12.63	6.14	4.66	1.54	10.25
	$\bar{x}$	14.02	29.23	12.71	6.49	5.35	1.91	9.92
	S.D.	2.04	4.47	2.77	1.26	0.64	0.89	1.93
	C.V.	14.58	15.29	21.78	19.39	14.75	46.87	19.45
28B		3.17	1.82	1.29	0.89	0.60	0.83	1.46
28C		3.60	2.82	1.97	1.17	1.08	1.09	2.17
28D		2.25	1.56	0.95	0.73	0.63	0.63	1.24
28E		4.44	3.12	2.07	1.22	1.50	1.34	2.15
28F		2.40	2.43	2.03	1.48	1.48	1.34	1.88
	$\bar{x}$	3.17	2.35	1.66	1.10	1.06	1.05	1.78
	S.D.	0.90	0.66	0.51	0.29	0.44	0.31	0.42
	C.V.	28.36	27.95	30.71	26.73	41.39	30.02	23.38

Table 4. Silt/clay analysis by percentage of total sample with Mean ($\bar{x}$), Standard Deviation (S.D.) and Variance (Var.) sampled in April-May 1981.

	SILTS				CLAYS		
Sample	.031-.062 mm	.016-.031 mm	.008-.016 mm	.004-.008 mm	.002-.004 mm	.001-.002 mm	<.001 mm
2A	2.10	0.35	0.19	0.08	0.09	0.15	0.59
2B	1.84	0.35	0.17	0.11	0.08	0.11	0.49
2C	3.58	0.87	0.40	0.27	0.25	0.34	0.95
2D	3.19	0.71	0.41	0.22	0.20	0.35	0.92
2E	2.42	0.45	0.24	0.17	0.18	0.25	0.73
$\bar{x}$	2.63	0.55	0.28	0.17	0.16	0.24	0.74
Var.	0.54	0.05	0.01	0.01	0.01	0.01	0.04
S.D.	0.74	0.23	0.12	0.08	0.07	0.11	0.20
4A	3.09	1.33	0.57	0.31	0.17	0.11	0.81
4B	10.35	5.11	2.91	1.04	0.30	0.11	1.43
4C	3.83	2.94	1.68	0.82	0.67	0.69	1.79
4D	5.85	1.78	0.98	0.57	0.35	0.51	1.32
4E	3.82	2.07	1.23	0.65	0.58	0.56	1.76
$\bar{x}$	5.39	2.65	1.47	0.68	0.41	0.40	1.42
Var.	8.75	2.24	0.81	0.07	0.04	0.07	0.16
S.D.	2.96	1.50	0.90	0.27	0.21	0.27	0.40
5A	1.97	0.99	0.55	0.32	0.34	0.45	0.80
5B	0.52	0.24	0.13	0.11	0.14	0.12	0.39
5C	1.90	0.88	0.42	0.25	0.34	0.31	0.87
5D	2.46	1.45	0.89	0.48	0.45	0.65	1.27
5E	1.57	1.08	0.61	0.44	0.48	0.57	0.78
$\bar{x}$	1.68	0.93	0.52	0.32	0.35	0.42	0.82
Var.	0.52	0.19	0.08	0.02	0.02	0.04	0.10
S.D.	0.72	0.44	0.28	0.15	0.13	0.21	0.31
6A	16.88	1.27	0.59	0.21	0.35	0.49	0.73
6B	11.61	1.68	0.72	0.43	0.51	0.52	0.62
6C	11.68	1.55	0.69	0.35	0.41	0.55	0.77
6D	14.61	1.60	0.62	0.28	0.41	0.51	0.70
$\bar{x}$	13.70	1.53	0.66	0.32	0.42	0.52	0.71
Var.	6.46	0.03	0.00	0.01	0.00	0.00	0.00
S.D.	2.54	0.18	0.06	0.09	0.07	0.03	0.06
8A	13.08	3.24	1.56	0.81	0.82	0.71	0.81
8B	8.00	3.60	1.59	0.83	0.83	0.80	0.91
8C	7.57	2.56	1.17	0.70	0.74	0.69	0.94
8D	6.97	2.69	1.16	0.60	0.70	0.61	0.74
8E	11.35	9.06	4.22	2.11	1.53	1.47	2.38
$\bar{x}$	9.39	4.23	1.94	1.01	0.92	0.86	1.16
Var.	7.14	7.47	1.67	0.39	0.12	0.12	0.48
S.D.	2.67	2.73	1.29	0.62	0.34	0.35	0.69
12A	5.67	4.21	2.88	1.55	1.25	1.73	1.06
12B	5.36	3.05	2.50	0.93	0.55	1.08	2.25
12C	6.39	4.92	2.57	1.07	0.73	1.18	2.44
12D	4.71	4.03	2.44	1.33	1.08	1.21	1.11
12E	5.46	4.62	2.60	1.48	1.09	1.33	1.44
$\bar{x}$	5.52	4.17	2.60	1.27	0.94	1.31	1.66
Var.	0.37	0.51	0.03	0.07	0.08	0.06	0.42
S.D.	0.61	0.71	0.17	0.27	0.29	0.25	0.65

Table 4. Continued. Silt/clay analysis by percentage of total sample with Mean ($\bar{x}$), Standard Deviation (S.D.) and Variance (Var.) sampled in April-May 1981.

	SILTS				CLAYS		
Sample	.031-.062 mm	.016-.031 mm	.008-.016 mm	.004-.008 mm	.002-.004 mm	.001-.002 mm	<.001 mm
14A	8.09	3.03	1.40	0.78	0.71	0.84	0.88
14B	12.25	1.92	0.64	0.37	0.37	0.45	0.55
14C	11.01	1.56	0.58	0.36	0.38	0.41	0.54
14D	1.47	0.36	0.15	0.10	0.15	0.13	0.30
14E	16.73	5.02	1.69	1.09	1.11	1.16	1.18
$\bar{x}$	9.91	2.38	0.89	0.54	0.54	0.60	0.69
Var.	31.94	3.09	0.40	0.15	0.14	0.16	0.12
S.D.	5.65	1.76	0.63	0.39	0.37	0.40	0.34
16A	5.59	2.87	1.47	1.10	0.86	1.19	0.30
16B	5.33	3.14	1.77	1.01	0.88	0.81	0.81
16C	3.44	1.83	1.12	0.78	0.69	0.52	0.48
16D	5.07	2.57	1.26	0.85	0.66	0.70	0.93
16E	4.50	1.97	0.99	0.66	0.52	0.59	0.78
$\bar{x}$	4.79	2.48	1.32	0.88	0.72	0.76	0.66
Var.	0.73	0.32	0.09	0.03	0.02	0.07	0.07
S.D.	0.85	0.57	0.31	0.18	0.15	0.26	0.26
18A	1.87	0.69	0.35	0.15	0.33	0.10	0.64
18B	0.90	0.49	0.24	0.17	0.06	0.16	0.37
18C	2.06	0.97	0.34	0.19	0.19	0.26	0.65
18D	2.02	0.91	0.48	0.22	0.28	0.30	0.57
18E	2.07	0.71	0.32	0.08	0.07	0.16	0.38
$\bar{x}$	1.78	0.75	0.35	0.16	0.19	0.20	0.52
Var.	0.25	0.04	0.01	0.00	0.01	0.01	0.02
S.D.	0.50	0.19	0.09	0.05	0.12	0.08	0.14
20A	0.34	0.08	0.06	0.01	0.02	0.01	0.12
20B	0.38	0.11	0.08	0.04	0.03	0.06	0.21
20C	0.56	0.21	0.17	0.03	0.04	0.08	0.27
20D	0.28	0.36	0.27	0.22	0.16	0.10	0.46
20E	0.18	0.06	0.00	0.04	0.01	0.02	0.26
$\bar{x}$	0.35	0.16	0.12	0.07	0.05	0.05	0.26
Var.	0.02	0.02	0.01	0.01	0.00	0.00	0.02
S.D.	0.14	0.12	0.11	0.09	0.06	0.04	0.12
22A	10.04	6.54	3.30	2.14	1.71	1.78	1.46
22B	3.01	2.33	1.47	1.10	0.77	0.79	0.61
22C	5.93	4.10	2.32	1.47	0.99	1.20	1.35
22D	6.21	4.41	2.00	1.55	0.98	1.28	0.99
22E	8.01	6.26	2.40	1.58	1.21	1.63	1.43
$\bar{x}$	6.64	4.73	2.30	1.57	1.13	1.34	1.17
Var.	6.83	2.97	0.45	0.14	0.13	0.15	0.13
S.D.	2.61	1.72	0.67	0.37	0.36	0.39	0.36
24A	2.41	1.21	0.52	0.47	0.38	0.51	0.40
24B	4.57	2.24	1.19	0.80	0.89	1.01	1.04
24C	4.54	2.44	1.41	1.05	0.95	1.01	1.25
25D	0.75	0.40	0.19	0.16	0.12	0.08	0.16
25E	1.63	0.89	0.44	0.29	0.37	0.45	0.43
$\bar{x}$	2.78	1.44	0.75	0.55	0.54	0.61	0.66
Var.	2.97	0.77	0.27	0.13	0.13	0.16	0.22
S.D.	1.72	0.88	0.52	0.37	0.36	0.40	0.46

Table 4. Continued. Silt/clay analysis by percentage of total sample with Mean ($\bar{x}$), Standard Deviation (S.D.) and Variance (Var.) sampled in April-May 1981

	SILTS				CLAYS		
Sample	.031-.062 mm	.016-.031 mm	.008-.016 mm	.004-.008 mm	.002-.004 mm	.001-.002 mm	<.001 mm
25A	38.71	13.14	4.04	2.48	2.48	2.96	4.28
25B	37.33	11.73	3.87	2.05	2.20	2.88	4.53
25C	43.46	13.94	3.97	2.03	2.12	2.83	4.23
25D	35.41	15.95	4.31	2.78	3.23	3.26	4.14
25E	41.59	12.88	4.62	2.11	1.86	4.00	5.44
$\bar{x}$	39.30	13.53	4.16	2.29	2.38	3.19	4.52
Var.	10.48	2.46	0.09	0.11	0.28	0.23	0.28
S.D.	3.24	1.57	0.30	0.33	0.53	0.48	0.53
26A	23.75	21.13	9.26	4.17	3.17	4.60	6.84
26B	22.91	22.36	11.37	4.14	3.71	3.79	5.97
26C	26.91	19.24	7.20	3.82	3.60	4.34	6.45
26D	24.26	17.67	8.00	3.33	2.92	4.05	6.43
26E	23.44	21.55	8.27	3.65	2.56	4.47	6.94
$\bar{x}$	24.25	20.39	8.82	3.82	3.19	4.25	6.53
Var.	2.44	3.62	2.57	0.12	0.23	0.11	0.15
S.D.	1.56	1.90	1.60	0.35	0.48	0.33	0.39
28A	2.64	1.17	0.87	1.33	0.91	0.44	0.29
28B	4.10	1.99	1.21	0.92	1.32	0.88	0.40
28C	3.69	2.59	1.53	1.34	1.14	1.11	0.80
28D	3.74	2.46	1.54	1.30	1.35	0.96	0.76
28E	3.68	2.57	1.48	1.31	1.33	1.09	0.60
$\bar{x}$	3.57	2.16	1.33	1.24	1.21	0.90	0.57
Var.	0.30	0.36	0.08	0.03	0.04	0.07	0.05
S.D.	0.55	0.60	0.29	0.18	0.19	0.27	0.22

Table 5.
Sediment Characteristics by Station with Mean ($\bar{x}$), Standard Deviation (S.D.) and Coefficient of Variation (C.V.) sampled in November 1980.

Station		$\bar{X}$	Median	σ	Sk	Kg	% Silt/ Clay	% Carbonate	Sediment Type
2A		2.63	2.55	0.81	0.03	1.55	7.85	49.47	Fine Sand
2B		2.14	2.31	1.10	0.27	1.44	6.95	48.00	Fine Sand
2C		0.13	0.10	1.79	0.08	1.09	4.31	89.09	Coarse Sand
2D		- 0.17	- 0.17	1.24	0.07	1.24	1.98	89.06	Very Coarse Sand
2E		1.34	1.40	1.12	- 0.11	0.98	1.65	84.57	Medium Sand
	$\bar{X}$	1.21	1.24	1.21	0.07	1.26	4.55	72.04	Medium Sand
	S.D.	1.22	1.24	0.36	0.14	0.24	2.82	21.36	
	C.V.	100.62	100.36	29.68	200.13	18.79	61.92	29.65	
4-1		1.18	1.07	1.61	0.19	1.12	9.82	98.92	Medium Sand
4-2		0.60	0.77	1.52	0.08	1.22	7.07	99.35	Coarse Sand
4-3		0.73	0.75	1.39	0.16	1.27	6.69	99.28	Coarse Sand
4-4		1.00	0.91	1.48	0.19	1.32	9.37	98.41	Medium Sand
4-5		1.02	1.00	1.27	0.17	1.38	6.58	98.44	Medium Sand
	$\bar{X}$	0.91	0.91	1.45	0.16	1.26	7.91	98.88	Coarse Sand
	S.D.	0.24	0.14	0.13	0.05	0.10	1.56	0.45	
	C.V.	25.97	15.58	8.92	28.80	7.85	19.74	0.45	
5A		0.93	0.84	1.51	0.19	1.10	6.14	96.47	Coarse Sand
5B		0.99	0.94	1.49	0.16	1.13	5.78	96.90	Coarse Sand
5C		0.84	0.98	1.36	0.04	1.16	6.16	98.96	Coarse Sand
5D		0.91	0.80	1.51	0.21	1.06	5.64	96.41	Coarse Sand
5E		0.75	0.79	1.25	0.08	1.09	3.63	96.69	Coarse Sand
	$\bar{X}$	0.88	0.87	1.42	0.14	1.11	5.47	97.09	Coarse Sand
	S.D.	0.09	0.09	0.12	0.07	0.04	1.05	1.07	
	C.V.	10.42	9.82	8.12	53.68	3.46	19.25	1.10	
6A		3.20	3.18	1.09	- 0.05	1.01	22.25	83.81	Very Fine Sand
6B		3.35	3.37	1.03	- 0.08	0.95	26.43	86.05	Very Fine Sand
6C		3.36	3.37	1.01	- 0.06	0.91	26.73	86.67	Very Fine Sand
6D		3.16	3.15	1.07	- 0.06	1.04	19.98	87.03	Very Fine Sand
6E		3.21	3.17	1.11	- 0.04	0.99	23.33	86.08	Very Fine Sand
	$\bar{X}$	3.26	3.25	1.06	- 0.06	0.98	23.74	85.93	Very Fine Sand
	S.D.	0.09	0.11	0.04	0.01	0.05	2.86	1.25	
	C.V.	2.84	3.44	3.91	-25.57	5.20	12.04	1.46	
8A		2.62	2.50	1.18	0.17	0.95	15.13	96.33	Fine Sand
8B		2.73	2.63	1.31	0.06	0.98	18.62	96.51	Fine Sand
8C		2.69	2.57	1.17	0.15	1.02	15.54	94.31	Fine Sand
8D		2.02	1.81	1.24	0.26	1.24	11.98	97.82	Fine Sand
8E		2.50	2.44	1.24	0.06	1.14	12.37	94.64	Fine Sand
	$\bar{X}$	2.51	2.39	1.23	0.14	1.07	14.73	95.92	Fine Sand
	S.D.	0.29	0.33	0.06	0.08	0.12	2.70	1.45	
	C.V.	11.49	13.89	4.58	59.97	11.37	18.31	1.51	

Table 5. Continued.
Sediment Characteristics by Station with Mean ($\bar{x}$), Standard Deviation (S.D.) and Coefficient of Variation (C.V.) sampled in November 1980.

Station		$\bar{X}$	Median	σ	Sk	Kg	% Silt/ Clay	% Carbonate	Sediment Type
12A		2.55	2.46	1.57	- 0.02	0.91	19.17	95.42	Fine Sand
12B		2.79	2.84	1.49	- 0.12	0.88	22.77	98.83	Fine Sand
12C		2.58	2.58	1.60	- 0.09	0.94	19.29	95.44	Fine Sand
12D		2.53	2.30	1.53	0.13	0.77	22.22	98.07	Fine Sand
12E		2.37	2.08	1.64	0.16	0.81	22.02	95.70	Fine Sand
	$\bar{X}$	2.56	2.45	1.57	0.01	0.86	21.09	96.69	Fine Sand
	S.D.	0.15	0.29	0.06	0.13	0.07	1.72	1.63	
	C.V.	5.86	11.69	3.74	1059.68	8.18	8.17	1.69	
14A		3.18	3.11	1.08	0.03	0.89	24.01	94.03	Very Fine Sand
14B		3.06	2.93	1.04	0.10	0.99	18.56	97.98	Very Fine Sand
14C		2.86	2.79	1.14	0.02	1.12	15.28	94.34	Fine Sand
14D		2.57	2.59	1.32	- 0.10	1.39	11.11	98.38	Fine Sand
14E		2.66	2.58	1.32	0.01	1.38	15.17	97.49	Fine Sand
	$\bar{X}$	2.87	2.80	1.18	0.01	1.15	16.83	96.44	Fine Sand
	S.D.	0.26	0.23	0.13	0.07	0.23	4.81	2.09	
	C.V.	9.00	8.10	11.24	599.19	19.59	28.57	2.17	
16A		1.97	1.77	1.73	0.11	1.01	14.76	96.05	Medium Sand
16B		1.24	0.95	1.79	0.25	1.02	11.16	95.84	Medium Sand
16C		2.47	2.47	1.60	- 0.08	1.00	17.13	94.79	Fine Sand
16D		2.70	2.61	1.46	- 0.01	1.01	19.80	96.04	Fine Sand
16E		0.96	0.77	1.58	0.28	1.25	10.47	95.80	Coarse Sand
	$\bar{X}$	1.87	1.71	1.63	0.11	1.06	14.66	95.70	Medium Sand
	S.D.	0.76	0.84	0.13	0.16	0.11	3.95	0.52	
	C.V.	40.45	49.27	7.98	143.02	10.17	26.92	0.55	
18A		1.46	1.49	1.30	0.00	1.16	4.61	99.64	Medium Sand
18B		1.50	1.49	1.23	0.06	1.15	4.46	97.43	Medium Sand
18C		1.30	0.37	1.13	0.97	1.17	3.16	99.39	Medium Sand
18D		1.42	1.17	1.81	0.20	0.83	10.17	95.90	Medium Sand
18E		1.73	1.87	1.22	- 0.14	1.15	3.89	98.42	Medium Sand
	$\bar{X}$	1.48	1.28	1.34	0.22	1.09	5.26	98.16	Medium Sand
	S.D.	0.16	0.56	0.27	0.44	0.15	2.80	1.53	
	C.V.	10.63	44.20	20.23	200.80	13.43	53.33	1.56	
20B		0.92	0.95	0.92	- 0.09	1.01	1.22	98.53	Coarse Sand
20C		1.12	1.21	0.78	- 0.10	0.98	1.10	98.68	Medium Sand
20D		0.84	0.81	0.94	0.02	1.05	1.92	98.48	Coarse Sand
20E		0.94	0.94	0.92	0.00	1.05	1.82	98.46	Coarse Sand
20F		0.97	1.00	0.88	- 0.08	0.99	1.10	98.75	Coarse Sand
	$\bar{X}$	0.96	0.98	0.89	- 0.05	1.02	1.43	98.58	
	S.D.	0.10	0.15	0.06	0.06	0.03	0.40	0.13	
	C.V.	10.71	14.82	7.23	-111.36	3.23	28.24	0.13	

Table 5. Continued.
Sediment Characteristics by Station with Mean ($\bar{x}$), Standard Deviation (S.D.) and Coefficient of Variation (C.V.). sampled in November 1980.

Station		$\bar{X}$	Median	σ	Sk	Kg	% Silt/ Clay	% Carbonate	Sediment Type
22B		1.43	0.99	2.00	0.25	1.11	14.69	97.60	Medium Sand
22C		0.98	0.68	1.76	0.29	1.32	12.85	94.67	Coarse Sand
22D		2.18	1.98	1.68	0.08	1.17	15.87	93.95	Fine Sand
22E		2.56	2.54	1.66	- 0.08	0.94	21.29	93.39	Fine Sand
22F		2.05	1.93	1.93	0.01	0.85	18.83	92.13	Fine Sand
	$\bar{X}$	1.84	1.62	1.81	0.11	1.08	16.71	94.35	Medium Sand
	S.D.	0.63	0.77	0.15	0.16	0.19	3.36	2.04	
	C.V.	34.22	47.22	8.41	143.02	17.30	20.11	2.16	
24B		1.71	1.54	1.51	0.18	1.06	9.55	94.87	Medium Sand
24C		1.78	1.86	1.53	- 0.06	1.08	7.84	97.63	Medium Sand
24D		1.53	1.42	1.43	0.16	1.61	7.67	96.44	Medium Sand
24E		1.70	1.62	1.55	0.09	0.99	8.46	98.39	Medium Sand
24F		1.81	1.84	1.26	0.01	1.12	6.03	93.98	Medium Sand
	$\bar{X}$	1.71	1.66	1.46	0.08	1.17	7.91	96.26	Medium Sand
	S.D.	0.11	0.19	0.12	0.10	0.25	1.28	1.84	
	C.V.	6.38	11.53	8.15	133.08	21.27	16.23	1.91	
25B		4.12	4.33	1.01	- 0.56	2.38	74.41	89.65	Silt/clay
25C		4.18	4.33	0.75	- 0.44	1.58	74.70	89.94	Silt/clay
25D		4.15	4.33	0.87	- 0.50	2.00	74.53	88.74	Silt/clay
25E		4.23	4.36	0.77	- 0.46	1.90	78.08	90.14	Silt/clay
25F		4.09	4.31	1.01	- 0.55	1.98	72.57	93.05	Silt/clay
	$\bar{X}$	4.15	4.33	0.88	- 0.50	1.97	74.86	90.30	Silt/clay
	S.D.	0.05	0.02	0.13	0.05	0.29	2.00	1.63	
	C.V.	1.30	0.41	14.22	-10.58	14.51	2.67	1.80	
26B		4.44	4.44	0.48	- 0.24	1.35	88.54	90.46	Silt/clay
26C		4.19	4.36	0.87	- 0.52	2.21	78.05	94.18	Silt/clay
26D		3.07	4.21	2.20	- 0.78	1.49	62.97	89.66	Very Fine Sand
26E		4.19	4.38	1.22	- 0.60	3.79	80.34	94.17	Silt/clay
26F		4.37	4.40	0.70	- 0.38	2.10	83.23	94.47	Silt/clay
	$\bar{X}$	4.05	4.36	1.09	- 0.50	2.19	78.63	92.59	Silt/clay
	S.D.	0.56	0.09	0.67	0.21	0.97	9.59	2.33	
	C.V.	13.82	2.02	61.68	-40.99	44.34	12.20	2.51	
28B		2.30	2.30	1.22	0.01	1.32	10.06	98.30	Fine Sand
28C		2.49	2.41	1.34	0.03	1.39	13.89	98.89	Fine Sand
28D		1.42	1.34	1.43	0.13	1.31	7.99	97.95	Medium Sand
28E		2.63	2.49	1.26	0.12	1.17	15.83	98.70	Fine Sand
28F		1.60	1.35	1.59	0.23	1.23	13.04	98.64	Medium Sand
	$\bar{X}$	2.09	1.98	1.37	0.10	1.28	12.16	98.50	Fine Sand
	S.D.	0.54	0.58	0.15	0.09	0.09	3.12	0.37	
	C.V.	26.06	29.41	10.81	84.81	6.65	25.69	0.38	

Table 6. Sediment Characteristics by Station with Mean ($\bar{x}$), Standard Deviation (S.D.) and Variance (Var.) sampled in April-May 1981.

Station	Median	Mz	σ	Sk	Kg	% Silt/ Clay	% $CaCO_3$	Sediment Type
2A	2.62	2.68	0.67	0.10	1.23	3.54	44.34	Fine sand
2B	2.59	2.59	0.59	-0.01	1.17	3.13	42.53	Fine sand
2C	2.74	2.76	0.71	0.10	1.27	6.66	41.66	Fine sand
2D	2.72	2.73	0.68	0.10	1.31	6.01	40.86	Fine sand
2E	2.67	2.68	0.59	-0.02	1.12	4.44	33.52	Fine sand
$\bar{x}$	2.67	2.69	0.65	0.05	1.22	4.76	40.58	Fine sand
Var.	0.00	0.00	0.00	0.00	0.01	2.36	17.26	
S.D.	0.06	0.06	0.06	0.06	0.08	1.53	4.15	
4A	0.56	0.65	1.47	0.22	1.20	6.40	98.41	Coarse sand
4B	2.36	2.40	1.72	-0.03	1.03	21.24	96.68	Fine sand
4C	0.89	1.13	1.75	0.23	1.23	12.41	96.39	Medium sand
4D	2.29	2.23	1.46	-0.09	1.30	11.36	96.73	Fine sand
4E	0.60	0.93	1.60	0.37	1.21	10.66	98.15	Coarse sand
$\bar{x}$	1.34	1.47	1.60	0.14	1.22	12.41	97.27	Medium sand
Var.	0.83	0.63	0.02	0.04	0.01	29.56	0.87	
S.D.	0.91	0.79	0.14	0.19	0.08	5.44	0.93	
5A	0.62	0.83	1.42	0.31	1.11	5.42	93.26	Coarse sand
5B	0.54	0.64	1.10	0.15	0.94	1.64	91.69	Coarse sand
5C	0.95	1.03	1.43	0.16	1.08	4.96	98.35	Medium sand
5D	0.99	1.15	1.52	0.22	1.16	7.64	98.76	Medium sand
5E	0.75	0.83	1.37	0.21	1.15	5.54	88.02	Coarse sand
$\bar{x}$	0.77	0.90	1.37	0.21	1.09	5.04	94.02	Coarse sand
Var.	0.04	0.04	0.03	0.00	0.01	4.68	20.81	
S.D.	0.20	0.20	0.16	0.06	0.09	2.16	4.56	
6A	3.14	3.21	1.04	0.00	1.18	20.51	86.15	Very fine sand
6B	3.00	3.04	1.05	-0.03	1.34	16.10	76.17	Very fine sand
6C	2.99	3.05	1.02	0.01	1.35	15.99	83.45	Very fine sand
6D	3.06	3.15	1.01	0.04	1.23	18.72	84.62	Very fine sand
$\bar{x}$	3.05	3.11	1.03	0.01	1.28	17.83	82.60	Very fine sand
Var.	0.00	0.01	0.00	0.00	0.01	4.78	19.58	
S.D.	0.07	0.08	0.02	0.03	0.08	2.19	4.43	
8A	2.70	2.84	1.32	0.06	0.97	21.04	91.86	Fine sand
8B	2.70	2.81	1.89	0.07	1.14	16.56	93.10	Fine sand
8C	2.55	2.66	1.17	0.10	1.15	14.36	93.58	Fine sand
8D	2.49	2.59	1.17	0.09	1.22	13.47	92.23	Fine sand
8E	2.93	2.96	1.41	-0.03	0.72	32.13	95.41	Fine sand
$\bar{x}$	2.67	2.77	1.39	0.06	1.04	19.51	93.24	Fine sand
Var.	0.03	0.02	0.09	0.00	0.04	58.33	1.94	
S.D.	0.17	0.15	0.30	0.05	0.20	7.64	1.39	
12A	1.92	2.22	1.66	0.18	0.91	18.35	93.18	Fine sand
12B	1.77	2.14	1.56	0.27	0.98	15.73	96.53	Fine sand
12C	1.99	2.31	1.60	0.20	0.90	19.30	97.48	Fine sand
12D	1.79	2.13	1.60	0.23	0.96	15.90	97.59	Fine sand
12E	1.79	2.18	1.62	0.26	0.92	18.02	95.98	Fine sand
$\bar{x}$	1.85	2.20	1.61	0.23	0.93	17.46	96.15	Fine sand
Var.	0.01	0.01	0.00	0.00	0.00	2.48	3.21	
S.D.	0.10	0.07	0.04	0.04	0.03	1.57	1.79	

Table 6. Continued. Sediment Characteristics by Station with Mean ($\bar{x}$), Standard Deviation (S.D.) and Variance (Var.) sampled in April-May 1981.

Station	Median	Mz	σ	Sk	Kg	% Silt/ Clay	% $CaCO_3$	Sediment Type
14A	2.71	2.85	1.11	0.11	1.28	15.72	97.47	Fine sand
14B	2.98	3.05	0.97	0.09	1.12	16.54	97.58	Very fine sand
14C	2.89	2.99	0.96	0.11	1.30	14.84	92.77	Fine sand
14D	2.25	2.07	1.05	-0.30	1.23	2.66	86.29	Very fine sand
14E	3.18	3.25	1.16	-0.03	1.01	27.98	93.59	Very fine sand
$\bar{x}$	2.80	2.84	1.05	-0.02	1.19	15.55	93.54	Fine sand
Var.	0.12	0.21	0.01	0.03	0.01	80.54	21.23	
S.D.	0.35	0.45	0.09	0.17	0.12	8.97	4.61	
16A	2.43	2.48	1.29	0.02	1.17	13.34	96.89	Fine sand
16B	2.42	2.33	1.58	-0.15	1.37	13.75	93.67	Fine sand
16C	1.40	1.34	1.62	0.02	1.20	8.87	94.07	Medium sand
16D	2.30	2.26	1.46	-0.10	1.47	12.04	95.53	Fine sand
16E	2.06	2.06	1.39	-2.33	1.27	10.00	95.02	Fine sand
$\bar{x}$	2.12	2.09	1.47	-0.51	1.30	11.60	95.04	Fine sand
Var.	0.19	0.20	0.02	1.04	0.02	4.46	1.62	
S.D.	0.43	0.45	0.14	1.02	0.12	2.11	1.27	
18A	2.05	1.84	1.20	-0.23	1.21	4.13	99.39	Medium sand
18B	1.75	1.59	1.05	-0.21	1.03	2.38	99.68	Medium sand
18C	2.04	1.80	1.30	-0.22	1.04	4.66	99.10	Medium sand
18D	1.92	1.69	1.32	-0.19	1.11	4.77	99.51	Medium sand
18E	1.47	1.37	1.40	-0.06	1.01	3.80	99.59	Medium sand
$\bar{x}$	1.85	1.66	1.25	-0.18	1.04	3.95	99.45	Medium sand
Var.	0.06	0.04	0.02	0.01	0.04	0.92	0.05	
S.D.	0.24	0.19	0.13	0.07	0.20	0.96	0.22	
20A	0.95	0.95	0.80	-0.03	0.96	0.63	98.78	Coarse sand
20B	1.18	1.12	0.78	-0.11	1.00	0.92	97.91	Medium sand
20C	1.31	1.22	0.81	-0.16	1.04	1.35	98.54	Medium sand
20D	0.90	0.92	0.76	0.01	0.98	1.84	98.18	Coarse sand
20E	1.12	1.10	0.69	-0.04	0.91	0.57	98.04	Medium sand
$\bar{x}$	1.09	1.06	0.77	-0.07	0.98	1.06	98.29	Medium sand
Var.	0.03	0.02	0.00	0.01	0.00	0.28	0.13	
S.D.	0.17	0.13	0.05	0.07	0.05	0.53	0.36	
22A	2.73	2.71	1.64	-0.11	0.87	26.96	96.78	Fine sand
22B	0.66	0.92	1.49	0.36	1.42	10.08	94.68	Coarse sand
22C	1.69	1.95	1.85	0.13	0.87	17.36	96.24	Medium sand
22D	2.10	2.14	1.83	-0.03	0.95	17.44	95.43	Fine sand
22E	2.41	2.31	1.93	-0.15	0.91	22.52	96.40	Fine sand
$\bar{x}$	1.92	2.01	1.75	0.04	1.00	18.87	95.91	Fine sand
Var.	0.64	0.45	0.03	0.04	0.06	40.09	0.71	
S.D.	0.80	0.67	0.18	0.21	0.23	6.33	0.84	
24A	1.50	1.57	1.27	0.15	1.19	5.90	99.64	Medium sand
24B	2.01	2.08	1.39	0.09	1.06	11.73	96.58	Fine sand
24C	2.35	2.39	1.26	0.04	1.24	12.66	98.43	Fine sand
24D	1.13	1.09	0.91	0.01	1.17	1.86	99.04	Medium sand
24E	1.14	1.05	1.71	-0.08	1.37	4.50	97.93	Medium sand
$\bar{x}$	1.63	1.64	1.31	0.04	1.21	7.33	98.32	Medium sand
Var.	0.29	0.35	0.08	0.01	0.01	21.94	1.36	
S.D.	0.54	0.59	0.29	0.09	0.11	4.68	1.17	

Table 6. Continued. Sediment Characteristics by Station with Mean ($\bar{x}$), Standard Deviation (S.D.) and Variance (Var.) sampled in April-May 1981.

Station	Median	Mz	σ	Sk	Kg	% Silt/ Clay	% $CaCO_3$	Sediment Type
25A	4.27	4.05	0.89	-0.49	1.19	68.09	92.82	Silt/clay
25B	4.23	4.04	0.87	-0.45	1.18	64.60	92.57	Silt/clay
25C	4.31	4.14	0.78	-0.45	1.42	72.58	90.92	Silt/clay
25D	4.28	4.09	0.85	-0.47	1.34	69.09	90.93	Silt/clay
25E	4.31	4.12	0.82	-0.47	1.41	72.52	88.28	Silt/clay
$\bar{x}$	4.28	4.09	0.84	-0.47	1.31	69.38	91.10	Silt/clay
Var.	0.00	0.00	0.00	0.00	0.01	11.17	3.28	
S.D.	0.03	0.04	0.04	0.02	0.12	3.34	1.81	
26A	4.31	4.05	1.15	-0.60	2.31	72.91	90.74	Silt/clay
26B	4.33	4.14	0.91	-0.52	2.05	74.25	91.03	Silt/clay
26C	4.30	4.07	1.04	-0.56	1.86	71.56	92.58	Silt/clay
26D	4.25	3.84	1.47	-0.66	1.86	66.65	90.63	Very fine sand
26E	4.30	4.04	1.16	-0.60	1.86	70.89	91.23	Silt/clay
$\bar{x}$	4.30	4.03	1.15	-0.59	1.99	71.25	91.24	Silt/clay
Var.	0.00	0.01	0.04	0.00	0.04	8.29	0.62	
S.D.	0.03	0.11	0.21	0.05	0.20	2.88	0.78	
28A	2.12	2.04	1.19	-0.06	1.30	7.66	97.22	Fine sand
28B	2.32	2.28	1.22	-0.02	1.33	10.82	93.40	Fine sand
28C	2.42	2.38	1.23	-0.05	1.40	12.13	93.30	Fine sand
28D	2.32	2.25	1.35	-0.08	1.43	12.11	92.03	Fine sand
28E	2.39	2.34	1.29	-0.08	1.50	12.06	93.58	Fine sand
$\bar{x}$	2.31	2.26	1.26	-0.06	1.39	10.96	93.91	Fine sand
Var.	0.01	0.02	0.00	0.00	0.01	3.70	3.81	
S.D.	0.12	0.13	0.06	0.02	0.08	1.92	1.95	

APPENDIX B-5 PRELIMINARY TAXONOMIC LIST OF ALL ORGANISMS COLLECTED DURING THE YEAR I STUDY (WOODWARD-CLYDE CONSULTANTS DATA BASE)

SW FLORIDA SHELF MARINE PROGRAM:
MASTER TAXON LIST FOR YEAR I STUDIES

TAXON CODE	SPECIES NAME	PRESENCE
03	CYANOPHYTA	
0301	CYANOPHACEAE	
0307	OSCILLATORIALES	
030701	OSCILLATORIACEAE	
0307010101	MICROCOLEUS LYNHYACELUS	X
08	CHLOROPHYCOPHYTA	X
0801	CHLOROPHYCEAE	
0809	CAULERPALES	X
080903	CODIACEAE	
0809030104	CODIUM ISTHMOCLADIUM	X
0809030105	CODIUM REPENS	X
0809030301	PSEUDOCODIUM FLORIDANUM	X
080905	CAULERPACEAE	
08090501	CAULERPA SP.	X
0809050101	CAULERPA ASHMEADII	X
0809050102	CAULERPA PELTATA	X
0809050103	CAULERPA CUPRESSOIDES	X
0809050104	CAULERPA TAXIFOLIA	X
0809050105	CAULERPA SERTULARIOIDES	X
0809050106	CAULERPA MEXICANA	X
0809050107	CAULERPA INTRICATA	X
0809050108	CAULERPA MICROPHYSA	X
080906	UDOTEACEAE	
0809060101	AVRAINVILLEA NIGRICANS	X
0809060102	AVRAINVILLEA LONGICAULIS	X
0809060103	AVRAINVILLEA ASARIFOLIA	X
08090602	HALIMEDA SP.	X
0809060201	HALIMEDA GRACILIS	X
0809060202	HALIMEDA SCABRA	X
0809060203	HALIMEDA DISCOIDEA	X
0809060301	PENICILLUS PYRIFORMIS	X
0809060401	RHIPOCEPHALUS PHOENIX	X
08090605	UDOTEA SP.	X
0809060501	UDOTEA CONGLUTINATA	X
0809060502	UDOTEA CYATHIFORMIS	X
0809060503	UDOTEA FLABELLUM	X
080907	PHYLLOSIPHONIACEAE	
0809070101	OSTREOBIUM QUEKETTII	X
0812	TETRASPORALES	
081201	PALMELLACEAE	X
08120103	PALMELLACEAN SP.	X
0814	SIPHONOCLADALES	
081401	BOODLEACEAE	
08140101	STRUVEA SP.	X
0814010101	STRUVEA PULCHERRIMA	X
081402	ANADYOMENACEAE	
0814020101	CYSTODICTYON PAVONIUM	X

SW FLORIDA SHELF MARINE PROGRAM:
MASTER TAXON LIST FOR YEAR I STUDIES

TAXON CODE	SPECIES NAME	PRESENCE
0814020201	MICRODICTYON BOEGESENII	X
08140203	ANADYOMENE SP.	X
0814020302	ANADYOMENE MENZIESII	X
081403	VALONIACEAE	
0814030101	VALONIA VENTRICOSA	X
15	PHAEOPHYCOPHYTA	X
1501	PHAEOPHYCEAE	
1504	SPHACELARIALES	
150401	SPHACELARIACEAE	
15040102	SPHACELARIA SP.	X
150402	STYPOCAULACEAE	
1504020101	HALOPTERIS FILICINA	X
1507	DICTYOTALES	
150701	DICTYOTACEAE	
1507010101	DICTYOPTERIS DELICATULA	X
1507010102	DICTYOPTERIS JUSTII	X
1507010103	DICTYOPTERIS MEMBRANACEA	X
15070102	DICTYOTA SP.	X
1507010202	DICTYOTA DIVARICATA	X
1507010203	DICTYOTA INDICA	X
1507010401	PADINA PROFUNDA	X
1507010701	LOBOPHORA VARIEGATA	X
1510	FUCALES	
151004	SARGASSACEAE	
15100401	SARGASSUM SP.	X
1510040102	SARGASSUM NATANS	X
1510040103	SARGASSUM HYSTRIX	X
1510040104	SARGASSUM PTEROPLEURON	X
1510040105	SARGASSUM FILIPENDULA	X
1510040106	SARGASSUM FLUITANS	X
1510040107	SARGASSUM VULGARE	X
1510040108	SARGASSUM POLYCERATIUM	X
1511	SPOROCHNALES	
151101	SPOROCHNACEAE	
1511010201	SPOROCHNUS PEDUNCULARUS	X
1511010301	NEREIA TROPICA	X
1513	PUNCTARIALES	
151301	PUNCTACEAE	
1513010101	ROSENVINGEA INTRICATA	X
16	RHODOPHYCOPHYTA	X
1601	RHODOPHYCEAE	
1608	GIGARTINALES	
160802	SALIERIACEAE	
1608020101	NEOAGARDHIELLA BAILEYII	X
1608020502	AGARDHIELLA RAMOSSISIMA	X
1608020503	AGARDHIELLA SUBULATA	X
1608020601	EUCHEUMA ISIFORME	X

SW FLORIDA SHELF MARINE PROGRAM:
MASTER TAXON LIST FOR YEAR I STUDIES

TAXON CODE	SPECIES NAME	PRESENCE
1608020602	EUCHEUMA ACANTHOCLADUM	X
1608020701	MERISTOTHECA FLORIDANA	X
1608020801	SALIERRA TENERA	X
160807	GRACILARIACEAE	
1608070103	GRACILARIA ORNATA	X
1608070104	GRACILARIA MAMMILLARIS	X
1608070105	GRACILARIA CURTISSAE	X
1608070106	GRACILARIA DEBILIS	X
1608070107	GRACILARIA CYLINDRICA	X
1608070108	GRACILARIA CERVICORNIS	X
1608070198	GRACILARIA SP. 2	X
1608070199	GRACILARIA SP. 1	X
160809	PHYLLOPHORACEAE	
1608090601	PETROGLOSSUM UNDULATEUM	X
160814	RHODOPHYLLIDEAE	
16081403	RHODOPHYLLIS SP.	X
160815	WURDEMANNIACEAE	
1608150101	WURDEMANNIA MINIATA	X
1609	CRYPTONEMIALES	X
160901	SQUAMARIACEAE	
16090103	PEYSSONNELIA SP.	X
1609010302	PEYSSONNELIA RUBRA	X
1609010303	PEYSSONNELIA SIMULANS	X
160907	CORALLINACEAE	
1609070501	JANIA ADHERENS	X
16090707	LITHOTHAMNION SP.	X
1609070704	LITHOTHAMNION CALCAREUM	X
1609070705	LITHOTHAMNION RUPTILE	X
16090708	MELOBESIA SP.	X
1609072201	RHODOLITH SP.	X
160909	CRYPTONEMIACEAE	X
1609090101	CRYPTONEMIA OBOVATA	X
1609090197	CRYPTONEMIA SP. 3	X
1609090198	CRYPTONEMIA SP. 2	X
1609090199	CRYPTONEMIA SP. 1	X
160910	KALLYMENIACEAE	
1609100404	KALLYMENIA WESTII	X
160915	GRATELOUPIACEAE	
1609150101	HALYMENIA VINACEA	X
1609150102	HALYMENIA GELINARIA	X
1609150103	HALYMENIA FLORESIA	X
1609150104	HALYMENIA BERMUDENSIS	X
1610	RHODYMENIALES	
161001	CHAMPACEAE	
1610010101	CHAMPIA PARVULA	X
161002	RHODYMENIACEAE	X
16100202	RHODYMENIA SP.	X

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TAXON CODE	SPECIES NAME	PRESENCE
1610020207	RHODYMENIA CALLOPHYLLIOIDES	X
1610020208	RHODYMENIA PSEUDOPALMATA	X
16100204	BOTRYOCLADIA SP.	X
1610020402	BOTRYOCLADIA OCCIDENTALIS	X
16100206	FAUCHEA SP.	
1610020603	FAUCHEA HASSLERI	X
1610020902	LEPTOFAUCHEA RHODYMENIOIDES	X
1610021101	MARIPELTA ATLANTICA	X
1610021301	HALICRYSIS PELTATA	X
1610021401	GLOIODERMA ATLANTICA	X
1611	CERAMIALES	
161101	CERAMIACEAE	
1611010601	SPYRIDIA FILIMENTOSA	X
161102	DELESSERIACEAE	
1611020401	APOGLOSSUM RUSCIFOLIUM	X
161103	DASYACEAE	
16110301	DASYA SP.	X
1611030102	DASYA COLLINSIANA	X
1611030103	DASYA CORYMBIFERA	X
1611030104	DASYA BAILOUVIANA	X
1611030401	DASYOPSIS SPINULIGERA	X
161104	RHODOMELACEAE	
16110404	LAURENCIA SP.	X
1611040402	LAURENCIA INTRICATA	X
1611040403	LAURENCIA CHONDRIOIDES	X
1611040404	LAURENCIA OBTUSA	X
1611040405	LAURENCIA IMPLICATA	X
16110410	CHONDRIA SP.	X
1611041005	CHONDRIA FLORIDANA	X
1611041501	LOPHOCLADIA TRICHOCLADOS	X
1611041601	WRIGHTIELLA TUMANOWICZI	X
1611041602	WRIGHTIELLA BLOGETTII	X
1611041701	ANCANTHOPHORA MUSCOIDES	X
1611041801	WALDOIA ANTILLANA	X
33	ANTHOPHYTA	
3349	ANGIOSPERMAE	
3350	ANGIOSPERMAE-NAJIEDALES	
335001	HYDROCHARITACEAE	
3350010101	THALASSIA TESTUDINIUM	X
3350010201	HALOPHILA DECIPIENS	X
335002	POTAMOGETONACEAE	
3350020101	HALODULA WRIGHTII	X
3350020201	SYRINGODIUM FILIFORME	X
34	PROTOZOA	
3446	RHIZOPODEA-GRANULORETICULOSIA	
3448	FORAMINIFERIDA	
345225	MILIOLACEA-SORITIDAE-ARCHAIASINAE	

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TAXON CODE	SPECIES NAME	PRESENCE
34522501	ARCHAIAS SP.	X
36	PORIFERA	X
3601	CALCAREA	X
3603	CALCAREA-CALCINEA-CLATHRINIDA	
360301	CLATHRINIDAE	
36030101	CLATHRINA SP.	X
3604	CALCAREA-CALCINEA-LEUCETTIDA	
360403	LEUCASCIDAE	X
36040301	LEUCETTA SP.	X
3607	CALCAREA-CALCARONEA-LEUCOSOLENIDA	
360701	LEUCOSOLENIIDAE	X
36070101	LEUCOSOLENIA SP.	X
3608	CALCAREA-CALCARONEA-SYCETTIDA	
360803	GRANTIIDAE	X
3660	DEMOSPONGEA	X
3661	DEMOSPONGEA-KERATOSA-DICTYOCERATIDA	
366101	SPONGIIDAE	X
36610101	SPONGIA SP.	X
36610110	HIPPOSPONGIA SP.	X
3661011001	HIPPOSPONGIA LACHNE	X
3661011101	HYATTELLA INTESTINALIS	X
36610112	IRCINIA SP.	X
3661011201	IRCINIA CAMPANA	X
3661011202	IRCINIA STROBILINA	X
3661011203	IRCINIA FELIX	X
3661011298	IRCINIA SP. 2	X
3661011299	IRCINIA SP. 1	X
36610113	HYRTIOS SP.	X
366102	DYSIDEIDAE	X
36610201	DYSIDEA SP.	X
3661020101	DYSIDEA ETHERIA	X
3661020102	DYSIDEA FRAGILIS	X
3661020198	DYSIDEA SP. 2	X
3661020199	DYSIDEA SP. 1	X
366103	APLYSINIDAE	
36610301	APLYSINA SP.	X
3661030101	APLYSINA LACUNOSA	X
3661030102	APLYSINA FISTULARIS	X
3661030201	AIOLOCHROIA CRASSA	X
3662	DEMOSPONGEA-KERATOSA-DENDROCERATIDA	X
366204	HALISARCIDAE	X
366206	DARWINELLIDAE	X
36620601	CHELONAPLYSILLA SP.	X
36620602	IGERNELLA SP.	X
3663	DEMOSPONGEA-HAPLOSCLERIDA	X
366302	HALICLONIDAE	X
36630201	HALICLONA SP.	X

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TAXON CODE	SPECIES NAME	PRESENCE
3663020107	HALICLONA COMPRESSA	X
3663020109	HALICLONA VIRIDIS	X
3663020198	HALICLONA SP. 2	X
3663020199	HALICLONA SP. 1	X
36630202	GELLIUS SP.	X
36630203	CALLYSPONGIA SP.	X
3663020401	NIPHATES DIGITALIS	X
3663020402	NIPHATES ERECTA	X
36630205	SPINOSELLA SP.	X
3663020501	SPINOSELLA PLICIFERA	X
3663020502	SPINOSELLA VAGINALIS	X
366307	ADOCIIDAE	X
36630702	STRONGYLOPHORA SP.	X
36630703	SIGMADOCIA SP.	X
36630704	TOXADOCIA SP.	X
366308	NEPHELIOSPONGIIDAE	X
36630801	XESTOSPONGIA SP.	X
3663080101	XESTOSPONGIA SUBTRIANGULARIS	X
3663080102	XESTOSPONGIA MUTA	X
3663080201	SIPHONODICTYON SIPHONUM	X
36630803	CRIBROCHALINA SP.	X
36630804	RHIZOCHALINA SP.	X
366309	DESMACIDINAE	X
3664	DEMOSPONGEA-POECILOSCLERIDA	X
366403	COELOSPHERIDAE	X
3664030201	COELOSPHAERA FISTULA	X
366404	AGELASIDAE	
36640401	AGELAS SP.	X
366411	MYXILLIDAE	X
366416	MYCALIDAE	X
36641601	MYCALE SP.	X
3664160701	NEOFIBULARIA NOLITANGERE	X
366420	TEDANIIDAE	X
36642001	TEDANIA SP.	X
3664200101	TEDANIA IGNUS	X
36642002	ACARNUS SP.	X
36642003	LISSODENDORYX SP.	X
3664200301	LISSODENDORYX ISODICTYALIS	X
3664200501	IOTROCHOTA BIROTULATA	X
366421	MICROCIONIDAE	X
36642101	MICROCIONA SP.	X
3664210101	MICROCIONA PROLIFERA	X
3664210197	MICROCIONA SP. 3	X
3664210198	MICROCIONA SP. 2	X
3664210199	MICROCIONA SP. 1	X
36642102	THALYSIAS SP.	X
36642103	PANDAROS SP.	X

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TAXON CODE	SPECIES NAME	PRESENCE
366422	HYMEDESMIIDAE	X
36642201	HYMEDESMIA SP.	X
366423	DESMACELLIDAE	X
36642301	BIEMNA SP.	X
3664230197	BIEMNA SP. 3	X
36642302	DESMACELLA SP.	X
366424	BUBARIDAE	X
36642401	BUBARIS SP.	X
3664240194	BUBARIS SP. 6	X
3665	DEMOSPONGEA-HALICHONDRIIDA	X
366502	HALICHONDRIIDAE	X
36650204	HALICHONDRIA SP.	X
3665020498	HALICHONDRIA SP. 2	X
3665020499	HALICHONDRIA SP. 1	X
36650205	CIOCALYPTA SP.	
3665020597	CIOCALYPTA SP. 3	X
3665020598	CIOCALYPTA SP. 2	X
3665020599	CIOCALYPTA SP. 1	X
366503	HYMENIACIDONIDAE	X
36650301	HYMENIACIDON SP.	
3665030199	HYMENIACIDON SP. 1	X
3665030201	OXEOSTILON BURTONI	X
3666	DEMOSPONGEA-HADROMERIDA	X
366602	SPIRASTRELLIDAE	X
36660201	SPIRASTRELLA SP.	X
3666020101	SPIRASTRELLA COCCINEA	X
36660203	TIMEA SP.	X
3666020401	SPHECIOSPONGIA VESPARIUM	X
36660205	ANTHOSIGMELLA SP.	X
3666020501	ANTHOSIGMELLA VARIANS	X
3666020598	ANTHOSIGMELLA SP. 2	X
3666020599	ANTHOSIGMELLA SP. 1	X
366603	SUBERITIDAE	
36660301	TERPIOS SP.	X
3666030501	LAXOSUBERITES COERULEA	X
366605	PLACOSPONGIIDAE	
36660501	PLACOSPONAIA SP.	X
3666050101	PLACOSPONGIA MELOBESIOIDES	X
366606	CLIONIDAE	
36660601	CLIONA SP.	X
3666060101	CLIONA CELATA	X
3666060105	CLIONA SCHMIDTI	X
3666060106	CLIONA DELITRIX	X
366608	TETHYIDAE	X
36660801	TETHYA SP.	X
3666080101	TETHYA ACTINIA	X
366609	STYLOCORDYLIDAE	

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TAXON CODE	SPECIES NAME	PRESENCE
36660901	STYLOCORDYLA SP.	X
3667	DEMOSPONGEA-EPIPOLASIDA	X
366702	SOLLASELLIDAE	X
36670201	EPIPOLASIS SP.	X
3667020101	EPIPOLASIS LITHOPHAGA	X
366705	COPPATIIDAE	X
3667050101	SCOLOPES MEGASTRA	X
36670502	JASPIS SP.	X
36670503	LAMELLOMORPHA SP.	X
3668	DEMOSPONGEA-CHORISTIDA	X
366801	ANCORINIDAE	X
36680102	MYRIASTRA SP.	X
3668010298	MYRIASTRA SP. 2	X
3668010299	MYRIASTRA SP. 1	X
36680103	STOEBA SP.	X
366803	GEODIIDAE	X
36680301	GEODIA SP.	X
3668030101	GEODIA NEPTUNI	X
3668030102	GEODIA GIBBEROSA	X
36680302	ERYLUS SP.	X
3668030201	ERYLUS FORMOSUS	X
3668030203	ERYLUS TRISPHAERA	X
366804	CRANIELLIDAE	X
36680402	CINACHYRA SP.	X
3668040201	CINACHYRA KUEKENTHALI	X
3668040202	CINACHYRA ALLOCLADA	X
366813	CHONDRILLIDAE	X
36681301	CHONDRILLA SP.	X
3668130101	CHONDRILLA NUCULA	X
366814	CHONDROSIIDAE	X
36681401	CHONDROSIA SP.	X
3668140101	CHONDROSIA RENIFORMES	X
3668140199	CHONDROSIA SP. 1	X
3670	DEMOSPONGEA-LITHISTIDA	X
367001	TETRACLADIDAE	X
36700102	DISCODERMIA SP.	X
3671	DEMOSPONGEA-HOMOSCLEROPHORIDA	X
367101	PLAKINIDAE	X
367102	HALINIDAE	X
3672	DEMOSPONGEA-AXINELLIDA	X
367201	AXINELLIDAE	X
36720101	AXINELLA SP.	X
3672010101	AXINELLA BOOKHOUTI	X
3672010102	AXINELLA POLYCAPELLA	X
3672010197	AXINELLA SP. 3	X
3672010198	AXINELLA SP. 2	X
3672010199	AXINELLA SP. 1	X

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TAXON CODE	SPECIES NAME	PRESENCE
3672010201	HOMAXINELLA WALTONSMITHI	X
3672010202	HOMAXINELLA RUDIS	X
36720103	PSEUDAXINELLA SP.	X
3672010301	PSEUDAXINELLA LUNAECHARTA	X
3672010303	PSEUDAXINELLA ROSACEA	X
36720104	TEICHAXINELLA SP.	X
3672010401	TEICHAXINELLA MORCHELLA	X
3672010402	TEICHAXINELLA SHOEMAKERI	X
3672010403	TEICHAXINELLA CORRUGATA	X
36720105	PHAKELLIA SP.	X
3672010501	PHAKELLIA FOLIUM	X
367202	DESMOXYIDAE	X
36720201	MYRMEKIODERMA SP.	X
36720202	HIGGINSIA SP.	X
3672020201	HIGGINSIA STRIGILATA	X
367203	RASPAILIIDAE	X
36720301	ENDECTYON SP.	X
36720302	RASPAILIA SP.	X
36720303	HEMECTYON SP.	X
367204	EURYPONIDAE	X
36720401	THALYSEURYPON SP.	X
3672040199	THALYSEURYPON SP. 1	X
37	CNIDARIA	
3701	HYDROZOA	X
3702	HYDROZOA-HYDROIDA	X
3703	HYDROZOA-HYDROIDA-ANTHOMEDUSAE	
370302	CLAVIDAE	
3703020301	CORYDENDRIUM PARASITICUM	X
370308	EUDENDRIIDAE	
37030801	EUDENDRIUM SP.	
3703080106	EUDENDRIUM CARNEUM	X
3703080107	EUDENDRIUM EXIMIUM	
3704	HYDROZOA-HYDROIDA-LEPTOMEDUSAE	
370401	CAMPANULARIIDAE	
3704010501	CLYTIA CYLINDRIA	
370402	LAFOEIDAE	
3704020103	LAFOEBA FRUCTICOSA	
3704020104	LAFOEBA DUMOSA	
3704020203	CRYPTOLARIA PECTINATA	X
3704020601	HEBELLA VENUSTA	
3704020701	ACRYPTOLARIA CONFERTA	X
370405	SERTULARIIDAE	
37040502	SERTULARELLA SP.	X
3704050216	SERTULARELLA PINNIGERA	X
3704050217	SERTULARELLA CONICA	
3704050601	DYNAMENA CORNICINA	X
3704050602	DYNAMENA POURTALESI	X

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TAXON CODE	SPECIES NAME	PRESENCE
3704051001	THYROSCYPHUS MARGINATUS	X
370406	HALECIIDAE	
37040601	HALECIUM SP.	X
3704060109	HALECIUM TENELLUM	
370407	PLUMULARIIDAE	
3704070103	PLUMULARIA NIGRA	X
3704070104	PLUMULARIA GEMINATA	
3704071101	AGLAOPHENIA ELONGATA	X
3704071102	AGLAOPHENIA APOCARPA	
3704071301	HALOPTERIS CLARKEI	X
3704071401	MONOSTAECHAS QUADRIDENS	X
3704071501	GYMNANGIUM SINUOSUM	X
370419	SYNTHECIIDAE	
3704190101	SYNTHECIUM TUBITHECUM	X
3708	HYDROZOA-MILLEPORINA	
370801	MILLEPORIDAE	
3708010101	MILLEPORA ALCICORNIS	X
3730	SCYPHOZOA	
3733	SCYPHOZOA-CORONATAE	
373304	NAUSITHOIDAE	
37330401	NAUSITHOE SP.(SCYPHISTOMA STAGE)	X
3733070101	STEPHANOSCYPHUS CORNIFORMIS	X
3740	ANTHOZOA	
3741	ANTHOZOA-CERIANTIPATHARIA	
3742	ANTIPATHARIA	
374201	ANTIPATHIDAE	X
37420102	CIRRIPATHES SP.	X
3744	ANTHOZOA-OCTOCORALLIA	X
3746	OCTOCORALLIA-TELESTACEA	
374601	TELESTIDAE	
3746010101	TELESTO SANGUINEA	X
3746010102	TELESTO OPERCULATA	X
3746010103	TELESTO FRUTICULOSA	X
3747	OCTOCORALLIA-ALCYONACEA	
374706	NIDALIIDAE	
3747060101	NIDALIA OCCIDENTALIS	X
3747060201	SIPHONOGORGIA AGASSIZII	X
3749	OCTOCORALLIA-GORGONACEA	X
375002	ANTHOTHELIDAE	
3750020101	DIODOGORGIA NODULIFERA	X
375101	KEROEIDIDAE	
3751010101	LIGNELLA RICHARDI	X
375103	PARAMURICEIDAE	
3751030101	SWIFTIA EXSERTA	X
3751030201	SCLERACIS GUADALUPENSIS	X
3751030301	CALIACIS NUTANS	X
3751030401	PLACOGORGIA MIRABILIS	X

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TAXON CODE	SPECIES NAME	PRESENCE
37510305	THESEA SP.	X
3751030501	THESEA PLANA	X
3751030502	THESEA PARVIFLORA	X
3751030503	THESEA CITRINA	X
375104	PLEXAURIDAE	
3751040101	PSEUDOPLEXAURA POROSA	X
3751040102	PSEUDOPLEXAURA WAGENAARI	X
3751040201	EUNICEA FUSCA	X
3751040202	EUNICEA CALYCULATA	X
3751040301	PLEXAURELLA NUTANS	X
3751040302	PLEXAURELLA FUSIFERA	X
3751040401	MURICEA ELONGATA	X
375105	GORGONIIDAE	
3751050101	LOPHOGORGIA CARDINALIS	X
3751050102	LOPHOGORGIA BARBADENSIS	X
3751050103	LOPHOGORGIA HEBES	X
3751050201	LEPTOGORGIA STHENO	X
3751050202	LEPTOGORGIA EURYALE	X
3751050203	LEPTOGORGIA MEDUSAE	X
3751050301	PSEUDOPTEROGORGIA ACEROSA	X
3751050302	PSEUDOPTEROGORGIA RIGIDA	X
3751050401	PTEROGORGIA GUADALUPENSIS	X
375106	ELLISELLIDAE	
3751060101	ELLISELLA ATLANTICA	X
3751060102	ELLISELLA ELONGATA	X
3751060103	ELLISELLA FUNICULINA	X
3751060104	ELLISELLA BARBADENSIS	X
3751060201	NICELLA SCHMITTI	X
375111	ISIDIDAE	
3751110101	KERATOISIS FLEXIBILIS	X
3752	OCTOCORALLIA-PENNATULACEA	
375401	VIRGULARIIDAE	
3754010101	VIRGULARIA PRESBYTES	X
3755	ANTHOZOA-ZOANTHARIA	X
375501	UNIDENTIFIED HARD CORAL(DEAD)	X
375502	UNIDENTIFIED HARD CORAL(LIVE)	
3758	ZOANTHARIA-ACTINIARIA	
3759	ACTINIARIA-ATHENARIA	X
3760	ACTINIARIA-THENARIA	X
376001	ACTINIIDAE	
37600106	ANEMONE SP.	X
3760010699	ANEMONE SP. A	X
3764	ZOANTHARIA-SCLERACTINIA	
376501	ASTROCOENIIDAE	
3765010101	STEPHANOCOENIA MICHELINI	X
376504	POCILLOPORIDAE	
37650401	MADRACIS SP.	X

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TAXON CODE	SPECIES NAME	PRESENCE
3765040101	MADRACIS ASPERSULA	X
3765040102	MADRACIS DECACTIS	X
3765040103	MADRACIS FORMOSA	X
3765040104	MADRACIS MIRABILIS	X
3765040105	MADRACIS BRUEGGEMANNI	X
376601	AGARICIIDAE	
37660101	AGARICIA SP.	X
3766010101	AGARICIA LAMARCKI	X
3766010102	AGARICIA FRAGILIS	X
3766010103	AGARICIA AGARICITES	X
376602	SIDERASTREIDAE	
37660201	SIDERASTREA SP.	X
3766020101	SIDERASTREA SIDEREA	X
376606	PORITIDAE	
3766060101	PORITES PORITES	X
3766060102	PORITES ASTREOIDES	
376701	FAVIIDAE	
3767010101	FAVIA GRAVIDA	X
37670102	MANICINA SP.	X
3767010201	MANICINA AREOLATA	X
37670103	CLADOCORA SP.	X
3767010301	CLADOCORA ARBUSCULA	X
37670104	SOLENASTREA SP.	X
3767010401	SOLENASTREA HYADES	X
37670105	MONTASTREA SP.	X
3767010501	MONTASTREA CAVERNOSA	X
376703	OCULINIDAE	
37670301	OCULINA SP.	X
3767030101	OCULINA DIFFUSA	X
3767030102	OCULINA ROBUSTA	X
3767030103	OCULINA TENELLA	X
376704	MEANDRINIDAE	
3767040101	DICHOCOENIA STOKESII	X
376708	MUSSIDAE	
3767080101	SCOLYMIA LACERA	X
37670802	ISOPHYLLIA SP.	X
3767080201	ISOPHYLLIA MULTIFLORA	X
3767080301	MUSSA ANGULOSA	X
37670804	MYCETOPHYLLIA SP.	X
376709	ASTRANGIIDAE	
3767090101	PHYLLANGIA AMERICANA	X
3767090201	ASTRANGIA SOLITARIA	X
376801	CARYOPHLLIIDAE	
3768010101	RHIZOSMILIA MACULATA	X
39	PLATYHELMINTHES	X
3977	TURBELLARIA	X
3978	TURBELLARIA-POLYCLADIDA	X

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TAXON CODE	SPECIES NAME	PRESENCE
43	RHYNCHOCOELA	X
46	KINORHYNCHA	X
47	ASCHELMINTHES-NEMATODA	X
50	ANNELIDA	
5001	POLYCHAETA	X
500101	APHRODITIDAE	
5001010104	APHRODITE HASTATA	X
500102	POLYNOIDAE	X
50010202	ANTINOELLA SP.	X
50010208	HARMOTHOE SP.	X
5001020803	HARMOTHOE EXTENUATA	X
5001021803	LEPIDASTHENIA VARIA	X
50010225	MALMGRENIA SP.	
5001022501	MALMGRENIA LUNULATA	X
5001022601	SUBADYTE PELLUCIDA	X
500103	POLYODONTIDAE	
5001030201	POLYODONTES LUPINA	X
500106	SIGALIONIDAE	X
5001060101	PHOLOE MINUTA	X
50010603	STHENELAIS SP.	X
5001060302	STHENELAIS BOA	X
5001060303	STHENELAIS LIMICOLA	X
5001060701	EHLERSILEANIRA INCISA	X
5001060801	PSAMMOLYCE CTENIDOPHORA	X
5001060901	STHENELAMELLA EHLERSI	X
500107	PISIONIDAE	
5001070101	PISIONE REMOTA	X
500108	CHRYSOPETALIDAE	
5001080103	PALAENOTUS HETEROSETA	X
5001080301	BHAWANIA GOODEI	X
500110	AMPHINOMIDAE	X
5001100102	CHLOEIA VIRIDIS	X
5001100302	PSEUDOEURYTHOE AMBIGUA	X
5001100402	PARAMPHINOME PULCHELLA	X
500113	PHYLLODOCIDAE	X
50011301	PHYLLODOCE SP.	X
5001130104	ANAITIDES MUCOSA	X
5001130108	PHYLLODOCE ARENAE	X
5001130110	PHYLLODOCE CASTANEA	X
5001130111	PHYLLODOCE FRAGILIS	X
5001130112	PHYLLODOCE PANAMENSIS	X
5001130208	ETEONE LACTEA	X
5001130302	EULALIA SANGUINEA	X
5001130902	HESIONURA ELONGATA	X
5001131201	PROTOMYSTIDES BIDENTATA	X
500121	HESIONIDAE	X
5001210102	GYPTIS BREVIPALPA	X

SW FLORIDA SHELF MARINE PROGRAM:
MASTER TAXON LIST FOR YEAR I STUDIES

TAXON CODE	SPECIES NAME	PRESENCE
5001210103	GYPTIS VITTATA	X
50012108	MICROPODARKE SP.	X
50012109	DAHLHOUSIELLA SP.	X
5001211001	HESIONE PICTA	X
5001211101	HESIONID SP. A	X
50012112	PODARKE SP.	X
5001211201	PODARKE OBSCURA	X
500122	PILARGIDAE	X
50012201	ANCISTROSYLLIS SP.	X
5001220102	ANCISTROSYLLIS HARTMANAE	X
5001220103	ANCISTROSYLLIS JONESI	X
5001220105	ANCISTROSYLLIS PAPILLOSA	X
50012202	SIGAMBRA SP.	X
5001220201	SIGAMBRA TENTACULATA	X
5001220204	SIGAMBRA BASSI	X
50012203	PILARGIS SP.	X
5001220401	CABIRA INCERTA	X
5001220502	SYNELMIS ALBINI	X
500123	SYLLIDAE	X
50012301	AUTOLYTUS SP.	X
5001230111	AUTOLYTUS SP. A	X
50012302	PIONOSYLLIS SP.	X
5001230204	PIONOSYLLIS URAGA	X
5001230205	PIONOSYLLIS SP. E	X
5001230206	PIONOSYLLIS SP. A	X
5001230207	PIONOSYLLIS PROCERA	X
5001230302	SYLLIS GRACILIS	X
5001230402	TRYPANOSYLLIS SP. A	X
5001230403	TRYPANOSYLLIS VITIGERA	X
50012305	TYPOSYLLIS SP.	X
5001230501	TYPOSYLLIS ALTERNATA	X
5001230512	TYPOSYLLIS VARIEGATA	X
5001230513	TYPOSYLLIS REGULATA	X
5001230515	TYPOSYLLIS SP. A	X
5001230516	TYPOSYLLIS SP. B	X
5001230517	TYPOSYLLIS AMICA	X
50012306	EUSYLLIS SP.	X
5001230607	EUSYLLIS SP. A	X
5001230608	EUSYLLIS LONGICIRRATA	X
50012307	EXOGONE SP.	X
5001230701	EXOGONE DISPAR	X
5001230703	EXOGONE LAUREI	X
5001230707	EXOGONE HEBES	X
5001230708	EXOGONE UNIFORMIS	X
5001230709	EXOGONE ARENOSA	X
5001230710	EXOGONE ATLANTICA	X
5001230711	EXOGONE SP. A	X

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TAXON CODE	SPECIES NAME	PRESENCE
50012308	SPHAEROSYLLIS SP.	X
5001230807	SPHAEROSYLLIS GLANDULATA	X
5001230809	SPHAEROSYLLIS ACICULATA	X
5001230810	SPHAEROSYLLIS MAGNADENTATA	X
5001230811	SPHAEROSYLLIS TAYLORI	X
5001230902	BRANIA CLAVATA	X
5001231001	EHLERSIA CORNUTA	X
5001231004	EHLERSIA FERRUGINA	X
5001231005	EHLERSIA SP. A	X
5001231201	HAPLOSYLLIS SPONGICOLA	X
5001231304	ODONTOSYLLIS FULGURANS	X
5001231305	ODONTOSYLLIS LONGISETA	X
5001231701	PARAPIONOSYLLIS LONGICIRRATA	X
5001231901	PLAKOSYLLIS QUADRIOCULATA	X
5001232001	EURYSYLLIS TUBERCULATA	X
50012321	PROCERAEA SP.	X
5001232201	BRANCHIOSYLLIS EXILIS	X
500124	NEREIDAE	X
5001240103	CERATONEREIS IRRITABILIS	X
5001240104	CERATONEREIS MIRABILIS	X
5001240105	CERATONEREIS LONGICIRRATA	X
5001240303	NEANTHES ACUMINATA	X
50012404	NEREIS SP.	X
5001240409	NEREIS GRAYI	X
5001240414	NEREIS RIISEI	X
5001240415	NEREIS FALSA	X
5001240603	CERATOCEPHALE OCULATA	X
50012410	WEBSTERNEREIS SP.	X
5001241101	GYMNONEREIS CROSSLANDI	X
50012412	RULLIERNEREIS SP.	X
5001241301	NICON MONILOCERAS	X
5001241499	NEREID SP. A	X
500125	NEPHTYIDAE	X
5001250114	NEPHTYS BUCERA	X
5001250115	NEPHTYS INCISA	X
5001250117	NEPHTYS PICTA	X
5001250118	NEPHTYS SQUAMOSA	X
5001250303	AGLAOPHAMUS VERRILLI	X
5001250304	AGLAOPHAMUS CIRCINATA	X
5001250401	INERMONEPHYTYS INERMIS	X
500126	SPHAERODORIDAE	X
50012602	SPHAERODOROPSIS SP.	X
50012604	CLAVODORUM SP.	X
50012605	SPHAEREPHESIA SP.	X
500127	GLYCERIDAE	X
50012701	GLYCERA SP.	X
5001270101	GLYCERA CAPITATA	X

SW FLORIDA SHELF MARINE PROGRAM:
MASTER TAXON LIST FOR YEAR I STUDIES

TAXON CODE	SPECIES NAME	PRESENCE
5001270103	GLYCERA TESSELATA	X
5001270104	GLYCERA AMERICANA	X
5001270105	GLYCERA DIBRANCHIATA	X
5001270107	GLYCERA PAPILLOSA	X
5001270108	GLYCERA SPHYRABRANCHA	X
5001270109	GLYCERA OXYCEPHALA	X
5001270199	GLYCERA SP. A	X
500128	GONIADIDAE	X
5001280105	GLYCINDE NORMANNI	X
50012802	GONIADA SP.	X
5001280202	GONIADA MACULATA	X
5001280203	GONIADA BRUNNEA	X
5001280205	GONIADA TERES	X
5001280206	GONIADA SP. A	X
5001280207	GONIADA LITTOREA	X
5001280302	GONIADELLA SP. A	X
5001280501	GONIADIDES CAROLINAE	X
500129	ONUPHIDAE	X
5001290109	ONUPHIS PALLIDULA	X
5001290112	ONUPHIS NEBULOSUS	X
5001290113	ONUPHIS MACROCEPHALA	X
5001290201	DIOPATRA CUPREA	X
5001290203	DIOPATRA TRIDENTATA	X
50012903	NOTHRIA SP.	X
5001290302	NOTHRIA SP. A	X
5001290401	RHAMPHOBRANCHIUM ATLANTICUM	X
500130	EUNICIDAE	X
5001300106	EUNICE VITTATA	X
5001300107	EUNICE FILAMENTOSA	X
5001300108	EUNICE WEBSTERI	
5001300204	MARPHYSA SP. A	X
5001300301	LYSIDICE NINETTA	X
5001300401	NEMATONEREIS UNICORNIS	X
500131	LUMBRINERIDAE	X
50013101	LUMBRINERIS SP.	X
5001310104	LUMBRINERIS LATREILLI	X
5001310113	LUMBRINERIS TENNUIS	X
5001310114	LUMBRINERIS ACUTA	X
5001310115	LUMBRINERIS IMPATIENS	X
5001310118	LUMBRINERIS CRUZENSIS	X
5001310119	LUMBRINERIS ERNESTI	X
5001310120	LUMBRINERIS COCCINEA	X
5001310121	LUMBRINERIS VERRILLI	X
5001310122	LUMBRINERIS JANUARII	X
5001310123	LUMBRINERIS PARADOXA	X
5001310127	LUMBRINERIS CRASSIDENTATA	X
5001310197	LUMBRINERIS SP. C	X

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TAXON CODE	SPECIES NAME	PRESENCE
5001310198	LUMBRINERIS SP. B	X
5001310199	LUMBRINERIS SP. A	X
5001310302	LUMBRINERIDES DAYI	X
500133	ARABELLIDAE	
50013301	DRILONEREIS SP.	X
5001330201	ARABELLA IRICOLOR	X
5001330202	ARABELLA MUTANS	X
5001330203	ARABELLA MAGNA	
500136	DORVILLEIDAE	X
5001360107	DORVILLEA SOCIABILIS	X
5001360108	DORVILLEA SP. A	X
5001360203	PROTODORVILLEA KEFERSTEINI	X
5001360204	PROTODORVILLEA MINUTA	X
5001360205	PROTODORVILLEA BIFIDA	X
5001360401	SCHISTOMERINGOS CAECA	X
5001360402	SCHISTOMERINGOS RUDOLPHI	X
5001360501	OPHRYOTROCHA PUERILIS	X
500140	ORBINIIDAE	
50014001	HAPLOSCOLOPLOS SP.	X
5001400103	HAPLOSCOLOPLOS FOLIOSUS	X
5001400105	HAPLOSCOLOPLOS FRAGILIS	
50014002	NAINERIS SP.	X
5001400202	NAINERIS QUADRICUSPIDA	X
5001400205	NAINERIS BICORNIS	X
50014003	SCOLOPLOS SP.	X
5001400307	SCOLOPLOS RUBRA	X
5001400308	SCOLOPLOS ACMECEPS	X
5001400309	SCOLOPLOS CAPENSIS	X
5001400401	PHYLO FELIX	X
500141	PARAONIDAE	X
5001410201	ARICIDEA SEUCICA	
5001410204	ARICIDEA JEFFREYSII	
5001410208	ARICIDEA CATHERINAE	
5001410211	ARICIDEA CERRUTII	
5001410214	ARICIDEA FRAGILIS	
5001410219	ARICIDEA TAYLORI	
5001410304	PARAONIDES LYRA	
5001410601	CIRROPHORUS LYRA	
500142	APISTOBRANCHIDAE	
5001420102	APISTOBRANCHUS SP. A	
500143	SPIONIDAE	X
5001430201	LAONICE CIRRATA	X
50014304	POLYDORA SP.	X
5001430402	POLYDORA SOCIALIS	X
5001430418	POLYDORA SP. A	X
50014305	PRIONOSPIO SP.	X
5001430502	PRIONOSPIO CIRRIFERA	X

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TAXON CODE	SPECIES NAME	PRESENCE
5001430506	PRIONOSPIO STEENSTRUPI	X
5001430508	PRIONOSPIO CIRROBRANCHIATA	X
5001430510	PRIONOSPIO LONGIBRANCHIETA	X
5001430511	PRIONOSPIO CRISTATA	X
5001430512	PRIONOSPIO FALLAX	X
5001430602	SCOLECOLEPIDES VIRIDIS	X
50014307	SPIO SP.	X
5001430706	SPIO PETTIBONEAE	X
5001430808	BOCCARDIA SP. A	
5001431001	SPIOPHANES BOMBYX	X
5001431004	SPIOPHANES BERKLEYORUM	X
5001431005	SPIOPHANES WIGLEYI	X
5001431201	RHYNCHOSPIO GLUTAEUS	X
50014314	MALACOCEROS SP.	X
5001431403	MALACOCEROS VANDORHORSTII	X
5001431701	PARAPRIONOSPIO PINNATA	X
5001432001	SCOLELEPIS SQUAMATA	X
5001432005	SCOLELEPIS TEXANA	
5001432201	AONIDES MAYAGUEZENSIS	X
5001432301	APOPRIONOSPIO DAYI	X
5001432302	APOPRIONOSPIO PYGMAEA	X
5001432401	MICROSPIO PIGMENTATA	X
50014325	MINUSPIO SP.	X
5001432501	MINUSPIO POLYBRANCHIATA	X
5001432502	MINUSPIO LONGIBRANCHIATA	X
500144	MAGELONIDAE	X
50014401	MAGELONA SP.	X
5001440102	MAGELONA PACIFICA	X
5001440106	MAGELONA SP. A	X
5001440109	MAGELONA PETTIBONEAE	X
5001440110	MAGELONA SP. B	X
5001440111	MAGELONA SP. C	X
5001440112	MAGELONA SP. E	X
500146	POECILOCHAETIDAE	
5001460101	POECILOCHAETUS JOHNSONI	X
500147	HETEROSPIONIDAE	
5001470101	HETEROSPIO CATALINENSIS	X
500149	CHAETOPTERIDAE	X
5001490101	CHAETOPTERUS VARIOPEDATUS	X
5001490303	SPIOCHAETOPTERUS OCULATUS	X
50014904	MESOCHAETOPTERUS SP.	X
500150	CIRRATULIDAE	
50015002	CAULLERIELLA SP.	X
5001500202	CAULLERIELLA ALATA	X
5001500299	CAULLERIELLA SP. A	X
5001500306	THARYX ANNULOSUS	X
5001500307	THARYX MARIONI	X

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MASTER TAXON LIST FOR YEAR I STUDIES

TAXON CODE	SPECIES NAME	PRESENCE
50015004	CHAETOZONE SP.	X
5001500401	CHAETOZONE SETOSA	X
5001500403	CHAETOZONE GAYHEADIA	X
5001500404	CHAETOZONE SP. B	X
5001500503	DODECACERIA CORALLI	X
5001500701	CIRRATULID SP. A	X
500151	ACROCIRRIDAE	
5001510102	ACROCIRRUS FRONTIFILIS	X
500152	COSSURIDAE	
5001520103	COSSURA DELTA	X
500154	FLABELLIGERIDAE	X
5001540403	DIPLOCIRRUS CAPENSIS	X
500157	SCALIBREGMIDAE	
5001570101	SCALIBREGMA INFLATUM	X
5001570601	HYBOSCOLEX LONGISETA	X
500158	OPHELIIDAE	X
5001580203	ARMANDIA MACULATA	X
5001580204	ARMANDIA GRACILIS	
5001580601	OPHELINA CYLINDRICAUDATA	X
500159	STERNASPIDAE	
50015901	STERNASPIS SP.	X
500160	CAPITELLIDAE	X
5001600101	CAPITELLA CAPITATA	X
5001600201	HETEROMASTUS FILIFORMIS	X
50016003	NOTOMASTUS SP.	X
5001600306	NOTOMASTUS LATERICEUS	X
5001600307	NOTOMASTUS HEMIPODUS	X
5001600308	NOTOMASTUS AMERICANUS	X
5001600309	NOTOMASTUS LOBATUS	X
50016004	MEDIOMASTUS SP.	X
5001600403	MEDIOMASTUS HARTMANAE	X
5001600801	LEIOCAPITELLA GLABRA	X
5001601001	DASYBRANCHUS LUNULATUS	X
5001601101	LEIOCHRIDES PALLIDIOR	X
50016012	LEIOCHRUS SP.	X
5001601301	DASYBRANCHETHUS SP.	X
500163	MALDANIDAE	X
50016301	ASYCHIS SP.	X
5001630103	ASYCHIS CAROLINAE	X
5001630202	CLYMENELLA TORQUATA	X
5001630203	CLYMENELLA ZONALIS	X
5001630803	AXIOTHELLA MUCOSA	X
5001632201	BRANCHYIOASYCHIS AMERICANA	X
500164	OWENIIDAE	
5001640102	OWENIA FUSIFORMIS	X
5001640202	MYRIOCHELE OCULATA	X
500166	PECTINARIIDAE	

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MASTER TAXON LIST FOR YEAR I STUDIES

TAXON CODE	SPECIES NAME	PRESENCE
5001660302	PECTINARIA GOULDII	X
500167	AMPHARETIDAE	X
5001670104	AMAGE AURICULA	X
5001670208	AMPHARETE ACUTIFRONS	X
5001670211	AMPHARETE SP. A	X
5001670212	AMPHARETE AMERICANA	X
5001670213	AMPHARETE PARVIDENTATA	X
5001670214	AMPHARETE SP. B	X
5001670215	AMPHARETE SP. C	X
5001670303	AMPHICTEIS GUNNERI	X
5001670307	AMPHICTEIS SP. A	X
5001670504	MELINNA MACULATA	X
5001671502	SAMYTHELLA ELIASONI	X
50016717	HYPANIA SP.	X
5001671801	ISOLDA PULCHELLA	X
500168	TEREBELLIDAE	X
50016807	PISTA SP.	X
5001680701	PISTA CRISTATA	X
5001680707	PISTA PALMATA	X
5001680710	PISTA QUADRILOBATA	X
50016808	POLYCIRRUS SP.	X
5001680804	POLYCIRRUS EXIMIUS	X
5001680807	POLYCIRRUS CAROLINENSIS	X
5001681004	THELEPUS SETOSUS	X
5001682001	LOIMIA MEDUSA	X
5001682301	AMAEANA TRILOBATA	X
5001682302	AMAEANA ACCRAENSIS	X
500169	TRICHOBRACHIDAE	X
5001690101	TEREBELLIDES STROEMII	X
5001690201	TRICHOBRANCHUS GLACIALIS	X
500170	SABELLIDAE	X
50017001	CHONE SP.	X
5001700104	CHONE DUNERI	X
50017002	EUCHONE SP.	X
5001700204	EUCHONE INCOLOR	X
5001700402	MEGALOMMA BIOCULATUM	X
5001700603	POTAMILLA RENIFORMIS	X
5001700803	SABELLA MICROPTHALMA	X
5001700804	SABELLA VARIEGATA	X
50017013	FABRICIA SP.	X
50017017	JASMINEIRA SP.	X
5001702301	BRANCHIOMMA NIGROMACULATA	X
500173	SERPULIDAE	X
50017309	HYDROIDES SP.	X
5001730902	HYDROIDES PROTULICOLA	X
5001730903	HYDROIDES CRUCIGERA	X
5001730904	HYDROIDES LUNULIFERA	

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TAXON CODE	SPECIES NAME	PRESENCE
5001730905	HYDROIDES BISPINOSA	X
50017310	FILOGRANA SP.	X
5001731201	PSEUDOVERMILIOPSIS OCCIDENTALIS	X
50017313	VERMILIOPSIS SP.	X
5001731301	VERMILIOPSIS ANNULATA	
5001731302	VERMILIOPSIS INFUNDIBULUM	X
500175	BOGUEIDAE	X
500178	EULEPETHIDAE	X
50017801	GRUBEULEPIS SP.	X
5001780102	GRUBEULEPIS MEXICANA	X
5001780104	GRUBEULEPIS GAEYI	X
5001780199	GRUBEULEPIS SP. A	X
5004	OLIGOCHAETA	X
51	GASTROPODA	X
5101	GASTROPODA-PROSOBRANCHIA	
5102	ARCHAEOGASTROPODA	
510204	FISSURELLIDAE	
51020404	DIODORA SP.	X
5102040402	DIODORA CAYENENSIS	X
5102040404	DIODORA DYSONI	X
5102040406	DIODORA MINUTA	X
5102040407	DIODORA SAYI	X
5102040601	NESTA ATLANTICA	X
5102040701	LUCAPINELLA LIMATULA	X
5102040801	LUCAPINA EOLIS	X
5102040802	LUCAPINA AEGIS	X
5102040901	RIMULA FRENULATA	X
510210	TROCHIDAE	
51021001	CALLIOSTOMA SP.	X
5102100105	CALLIOSTOMA ROSEOLUM	X
5102100106	CALLIOSTOMA TAMPAENSE	X
5102100107	CALLIOSTOMA MARIONAE	X
5102100201	SOLARIELLA LACUNELLA	X
5102100301	SEGUENZIA MONOCINGULATA	X
5102100401	CALLIOTROPIS CALATHA	X
510212	TURBINIDAE	
51021203	TURBO SP.	X
5102120301	TURBO CRENULATUS	X
5102120302	TURBO CAILLETTI	X
5102120303	TURBO AYERSI	X
5102120401	ASTRAEA PHOEBIA	X
510222	CYCLOSTREMATIDAE	
51022201	GANESA SP.	X
5103	MESOGASTROPODA	
510320	RISSOIDAE	
51032001	ALVINIA SP.	X
51032002	RISSOINA SP.	X

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TAXON CODE	SPECIES NAME	PRESENCE
510323	VITRINELLIDAE	X
51032302	VITRINELLA SP.	X
51032303	CYCLOSTREMISCUS SP.	X
51032304	CIRCULUS SP.	X
510331	ARCHITECTONICIDAE	
5103310101	ARCHITECTONICA NOBILIS	X
510333	TURRITELLIDAE	X
51033303	VERMICULARIA SP.	X
5103330301	VERMICULARIA SPIRATA	X
5103330302	VERMICULARIA KNORII	X
5103330401	TURRITELLA ACROPORA	X
5103330402	TURRITELLA EXOLETA	X
510335	VERMETIDAE	
5103350301	SERPULORBIS DECUSSATUS	X
510336	CAECIDAE	
51033603	CAECUM SP.	X
5103360301	CAECUM PULCHELLUM	X
5103360302	CAECUM CUBITATUM	X
5103360303	CAECUM FLORIDANUM	X
5103360304	CAECUM RYSSOTITUM	X
5103360305	CAECUM NITIDUM	X
510343	MODULIDAE	
5103430101	MODULUS MODULUS	X
510346	CERITHIIDAE	X
5103460401	CERITHIUM ATRATUM	X
5103460403	CERITHIUM LITTERATUM	X
5103460404	CERITHIUM EBURNEUM	X
5103460501	FINELLA DUBIA	X
510347	CERITHIOPSIDAE	X
51034701	CERITHIOPSIS SP.	
510348	TRIPHORIDAE	
51034801	TRIPHORA DECORATA	
510350	EPITONIIDAE	
5103500112	EPITONIUM (EPITONIUM) KREBSII	
5103500301	CIRSOTREMA DALLI	X
5103500401	AMAEA RETIFERA	X
510352	ACLIDIDAE	
51035201	ACLIS SP.	X
510353	MELANELLIDAE	
51035301	MELLANELLA SP.	X
51035302	STROMBIFORMIS SP.	X
5103530201	STROMBIFORMIS BILINEATUS	X
51035303	EULIMA SP.	X
5103530401	NISO HENDERSONI	X
5103530402	NISO AEGLEES	X
510358	STROMBIDAE	
5103580101	STROMBUS ALATUS	X

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TAXON CODE	SPECIES NAME	PRESENCE
5103580102	STROMBUS COSTATUS	X
510364	CALYPTRAEIDAE	
51036401	CALYPTRAEA SP.	X
5103640102	CALYPTRAEA CENTRALIS	X
51036402	CREPIDULA SP.	X
5103640207	CREPIDULA PLANA	X
5103640208	CREPIDULA ACULEATA	X
5103640401	CRUCIBULUM STRIATUM	X
5103640402	CRUCIBULUM PLANUM	X
5103640403	CRUCIBULUM AURICULA	X
510365	XENOPHORIDAE	
5103650101	XENOPHORA CONCHYLIOPHORA	X
5103650201	TUGURIUM CARIBAEUM	X
510366	VELUTINIDAE	
51036601	LAMELLARIA SP.	X
510367	ERATOIDAE	
5103670101	TRIVIA MALTBIANA	X
5103670102	TRIVIA PEDICULUS	X
510371	CYPRAEIDAE	
5103710101	CYPRAEA SPURCA	X
5103710102	CYPRAEA CINEREA	X
5103710103	CYPRAEA CERVUS	X
510376	NATICIDAE	
51037602	NATICA SP.	X
5103760204	NATICA MAROCHIENSIS	X
5103760411	POLINICES LACTEUS	X
5103760701	NATICARIUS CANRENA	X
5103760801	SIGATICA CAROLINENSIS	X
510377	CASSIDAE	
5103770101	PHALIUM GRANULATUM	X
51037702	CASSIS SP.	X
510378	CYMATIIDAE	
5103780102	CYMATIUM KREBSII	X
5103780103	CYMATIUM VESPACEUM	X
5103780104	CYMATIUM MORITINCTUM	X
5103780105	CYMATIUM PARTHENOPEUM	X
5103780106	CYMATIUM LABIOSUM	X
5103780107	CYMATIUM PHARCIDUM	X
5103780201	DISTORSIO CLATHRATA	X
5103780203	DISTORSIO MACGINTYI	X
510380	TONNIDAE	
5103800101	TONNA MACULOSA	X
510381	FICIDAE	
5103810101	FICUS CAROLAE	X
510382	SILIQUARIIDAE	
5103820101	SILIQUARIA SQUAMATA	X
5103820102	SILIQUARIA MODESTA	X

SW FLORIDA SHELF MARINE PROGRAM:
MASTER TAXON LIST FOR YEAR I STUDIES

TAXON CODE	SPECIES NAME	PRESENCE
5104	NEOGASTROPODA	
5105	NEOGASTROPODA-STENOGLOSSA	
510501	MURICIDAE	
5105011001	ACANTHOTROPHON STRIATOIDES	X
5105011101	CHICOREUS FLORIFER	X
5105011198NS	CHICOREUS N. SP. 2	X
5105011199NS	CHICOREUS N. SP. 1	X
51050112	MUREX SP.	
5105011201	MUREX ANNIAE	X
5105011202	MUREX CABRITII	X
5105011204	MUREX BELLEGLADENSIS	X
5105011205	MUREX RUBIDUS	X
5105011206	MUREX RECURVIROSTRIS	X
5105011207	MUREX FLORIFER	X
5105011301	PHYLLONOTUS POMUM	X
51050114	FAVARTIA SP.	X
5105011401	FAVARTIA CELLULOSA	X
51050115	MURICOPSIS SP.	X
5105011501	MURICOPSIS OXYTATA	X
5105011601	CALOTROPHON ANDREWSI	X
5105011602	CALOTROPHON OSTREARUM	X
510503	COLUMBELLIDAE	
51050301	ANACHIS SP.	X
5105030207	MITRELLA LUNATA	X
510504	BUCCINIDAE	X
5105040401	COLUBRARIA LANCEOLATA	X
5105040501	PISANIA TINCTA	X
5105040600NS	CANTHARUS N. SP.	X
5105040601	CANTHARUS MULTANGULUS	X
5105040701	ANTILLOPHOS CANDEI	X
5105040801	BAILYA INTRICATA	X
510508	NASSARIIDAE	X
5105080105	NASSARIUS CONSENSUS	X
5105080106	NASSARIUS FLORIDENSIS	X
510509	FASCIOLARIIDAE	X
5105090201	LATIRUS CARINIFERUS	X
5105090301	FASCIOLARIA LILIUM	X
5105090302	FASCIOLARIA TULIPA	X
5105090303	FASCIOLARIA BULLISI	X
51050904	FUSINUS SP.	X
5105090401	FUSINUS EUCOSMIUS	X
5105090402	FUSINUS TIMESSUS	X
5105090403	FUSINUS HELENAE	X
5105090501	PLEUROPLOCA GIGANTEA	X
510510	OLIVIDAE	
51051001	OLIVELLA SP.	X
5105100103	OLIVELLA DEALBATA	X

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TAXON CODE	SPECIES NAME	PRESENCE
5105100104	OLIVELLA WATERMANI	X
51051002	OLIVA SP.	X
5105100201	OLIVA EDWARDSI	X
5105100202	OLIVA RETICULARIS	X
5105100205	OLIVA CIRCINATA	X
51051003	JASPIDELLA SP.	X
510513	VOLUTIDAE	
5105130201	SCAPHELLA JUNONIA	X
510514	CANCELLARIIDAE	
5105140200NS	CANCELLARIA N. SP.	X
5105140204	CANCELLARIA RETICULATA	X
5105140301	TRIGONOSTOMA TENERUM	X
510515	MARGINELLIDAE	
51051502	MARGINELLA SP.	X
5105150203	MARGINELLA HEMATITA	X
5105150204	MARGINELLA HARTLEYANUM	X
5105150205	MARGINELLA AUREOCINCTA	X
51051503	HYALINA SP.	X
5105150301	HYALINA AVENA	X
51051504	PRUNUM SP.	
5105150401	PRUNUM ROOSEVELTI	X
510516	CORALLIOPHILIDAE	
5105160101	CORALLIOPHILA SCALARIFORMIS	X
5105160102	CORALLIOPHILA ABBREVIATA	X
5106	NEOGASTROPODA-TOXOGLOSSA	
510601	MITRIDAE	
5106010201	VEXILLUM ALBOCINCTUM	X
510602	TURRIDAE	X
5106020201	POLYSTIRA ALBIDA	X
51060203	MANGELIA SP.	X
5106021100NS	SPLENDRILLA N. SP.	X
5106021101	SPLENDRILLA JANETAE	X
5106021102	SPLENDRILLA MOSERI	X
51060212	CRASSISPIRA SP.	X
5106021201	CRASSISPIRA TAMPAENSIS	X
51060213	CERODRILLIA SP.	X
5106021401	CARINODRILLIA HALIOSTREPHIS	X
51060215	ITHYCYTHARA SP.	X
5106021502	ITHYCYTHARA PARKERI	X
51060216	CRYOTURRIS SP.	X
5106021601	BRACHYCYTHARA BARBARAE	X
5106021701	BELLASPIRA PENTAGONALIS	X
5106021801	COCHLESPIRA RADIATA	X
510603	CONIDAE	
51060301	CONUS SP.	X
5106030100NS	CONUS N. SP.	X
5106030101	CONUS DELESSERTII	X

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TAXON CODE	SPECIES NAME	PRESENCE
5106030102	CONUS FLORIDANUS	X
5106030104	CONUS SPURIUS	X
5106030105	CONUS STIMPSONI	X
5106030106	CONUS AMPHIURGUS	X
5106030110	CONUS RAINESAE	X
5106030111	CONUS FLAMINGO	X
5106030112	CONUS JASPIDEUS	X
510604	TEREBRIDAE	
51060401	TEREBRA SP.	X
5106040102	TEREBRA ONSLOWENSIS	X
5106040103	TEREBRA PROTEXTA	X
5106040201	STRIOTEREBRUM ONSLOWENSIS	X
510605	COSTELLARIIDAE	
5106050101	VEXILLUM ALBOCINCTUM	X
5107	GASTROPODA-OPISTHOBRANCHIA	
5108	PYRAMIDELLOIDA	
510801	PYRAMIDELLIDAE	
51080101	ODOSTOMIA SP.	X
51080102	TURBONILLA SP.	X
5108010213	TURBONILLA CONRADI	X
51080104	EULIMELLA SP.	X
5110	CEPHALASPIDEA	
511001	ACTEONIDAE	
51100101	ACTEON SP.	X
5110010102	ACTEON CANDENS	X
511004	SCAPHANDRIDAE	
511005	PHILINIDAE	
5110050106	PHILINE SAGRA	X
511012	HAMINOEIDAE	
5110120104	HAMINOEA SUCCINEA	X
511013	RETUSIDAE	
51101302	VOLVULELLA SP.	X
5110130201	VOLVULELLA PERSIMILIS	X
5110130301	PYRUNCULUS CAELATUS	X
511014	CYLINDROBULLIDAE	
5110140101	CYLINDROBULLA BEAUII	X
511015	ACTEOCINIDAE	
51101501	ACTEOCINA SP.	X
5110150201	UTRICULASTRA CANALICULATA	X
511016	ATYIDAE	
5110160101	ATYS CARIBAEA	X
511017	CYLICHNIDAE	
51101701	CYLICHNA SP.	X
5110170101	CYLICHNA VERRILLI	X
51101702	CYLICHNELLA SP.	X
5110170201	CYLICHNELLA BIDENTATA	X
51101703	SCAPHANDER SP.	X

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TAXON CODE	SPECIES NAME	PRESENCE
5113	THECOSOMATA	X
511302	CAVOLINIIDAE	
5113020105	CAVOLINIA TRIDENTATA	X
5113020301	CRESEIS ACICULA	X
5126	NOTASPIDEA	
512602	PLEUROBRANCHIDAE	X
5126020302	PLEUROBRANCHAEA HEDGPETHI	X
5127	NUDIBRANCHIA	X
5128	NUDIBRANCHIA-DORIDOIDEA	
513002	CHROMODORIDIDAE	
51300202	ANISODORIS SP.	
5130020202	ANISODORIS WORKI	X
51300204	DISCODORIS SP.	X
5130020499	DISCODORIS SP. A	X
513003	DORIDIDAE	
5130030102	DORIS VERRUCOSA	X
51300304	TARINGA SP.	X
5130030501	GLOSSODORIS EDENTICULATA	X
51300306	CADLINA SP.	X
513105	ONCHIDORIDIDAE	
51310505	LAMELLIDORIS SP.	X
513201	DENDRODORIDIDAE	
5132010101	DORIOPSILLA AREOLATA	X
513202	PHYLLIDIIDAE	
5132020101	PHYLLIDIOPSIS PAPILLIGERA	X
5134	NUDIBRANCHIA-DENDRONOTOIDEA	
513407	BORNELLIDAE	
5134070101	BORNELLA CALCARATA	X
5144	OPISTHOBRANCHIA-ANASPIDEA	
514401	APLYSIIDAE	
5144010101	PETALIFERA RAMOSA	X
5199	GASTROPODA EGGS	
53	POLYPLACOPHORA	X
5301	POLYPLACOPHORA-NEOLORICATA	
530302	ISCHNOCHITONIDAE	
53030203	ISCHNOCHITON SP.	X
5303020310	ISCHNOCHITON RUGULOSA	X
530309	CHITONIDAE	
5303090101	TONICIA SCHRAMMI	X
54	APLACOPHORA	X
55	BIVALVIA	X
5502	NUCULOIDA	
550202	NUCULIDAE	
55020202	NUCULA SP.	X
550204	NUCULANIDAE	
55020402	NUCULANA SP.	X
5502040213	NUCULANA CONCENTRICA	X

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TAXON CODE	SPECIES NAME	PRESENCE
5504	SOLEMYOIDA	
550401	SOLEMACIDAE	
55040101	SOLEMYA SP.	X
5504010102	SOLEMYA OCCIDENTALIS	X
5506	ARCOIDA	
550601	ARCIDAE	
5506010203	ANADARA NOTABILIS	X
5506010204	ANADARA FLORIDANA	X
5506010401	ARCA ZEBRA	X
5506010501	BARBATIA DOMINGENSIS	X
5506010502	BARBATIA CANDIDA	X
5506010601	ARCOPSIS ADAMSI	X
550605	LIMOPSIDAE	
55060501	LIMOPSIS SP.	X
5506050104	LIMOPSIS MINUTA	X
550606	GLYCYMERIDIDAE	
55060601	GLYCYMERIS SP.	X
5506060105	GLYCYMERIS AMERICANA	X
5507	MYTILOIDA	
550701	MYTILIDAE	X
5507010205	CRENELLA DIVARICATA	X
55070104	MUSCULUS SP.	X
5507010412	MUSCULUS LATERALIS	X
55070106	MODIOLUS SP.	X
5507010604	MODIOLUS AMERICANUS	X
55070110	AMYGDALUM SP.	X
5507011001	AMYGDALUM PAPYRIUM	X
5507011002	AMYGDALUM SAGITTATUM	X
5507011301	LITHOPHAGA BISULCATA	X
5507011302	LITHOPHAGA ANTILLARUM	X
5507011401	GEUKENSIA DEMISSA	X
550702	PINNIDAE	
55070201	ATRINA SP.	X
5507020101	ATRINA SEMINUDA	X
5507020102	ATRINA SERRATA	X
5508	PTERIOIDA	
550901	PTERIIDAE	
5509010101	PINCTADA IMBRICATA	X
5509010201	PTERIA COLYMBUS	X
550904	MALLEIDAE	
5509040101	MALLEUS CANDEANUS	X
550905	PECTINIDAE	X
5509050108	CHLAMYS BENEDICTI	X
5509050109	CHLAMYS SENTIS	X
55090504	PECTEN SP.	X
5509050402	PECTEN RAVENELI	X
5509050403	PECTEN ZICZAC	X

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TAXON CODE	SPECIES NAME	PRESENCE
5509050404	PECTEN CHAZALIEI	X
55090508	AEQUIPECTEN SP.	X
5509050802	AEQUIPECTEN MUSCOSUS	X
55090510	PALLIOLUM SP.	X
55090511	ARGOPECTEN SP.	X
5509051101	ARGOPECTEN GIBBUS	X
5509051201	LYROPECTEN NODOSUS	X
5509051202	LYROPECTEN ANTILLARUM	X
550906	PLICATULIDAE	
55090601	PLICATULA SP.	X
5509060101	PLICATULA GIBBOSA	X
550907	SPONDYLIDAE	
5509070101	SPONDYLUS ICTERICUS	X
5509070102	SPONDYLUS AMERICANUS	X
550909	ANOMIIDAE	
5509090202	ANOMIA SIMPLEX	X
550910	LIMIDAE	X
55091001	LIMA SP.	X
5509100104	LIMA PELLUCIDA	X
5509100106	LIMA LOCKLINI	X
5509100301	LIMEA BRONNIANA	X
551001	GRYPHAEIDAE	
5510010101	NEOPYCNODONTE COCHLEAR	X
551002	OSTREIDAE	
5510020301	LOPHA FRONS	X
5515	VENEROIDA	X
551501	LUCINIDAE	X
5515010102	PARVILUCINA BLANDA	X
55150103	LUCINA SP.	X
5515010302	LUCINA MURICATA	X
5515010303	LUCINA RADIANS	X
55150104	ANODONTIA SP.	X
55150105	LINGA SP.	X
5515010501	LINGA LEUCOCYMA	X
5515010601	DIVARICELLA QUADRISULCATA	X
55150107	DOSINIA SP.	X
5515010801	CODAKIA ORBICULATA	
551505	UNGULINIDAE	
55150501	DIPLODONTA SP.	X
551509	LEPTONIDAE	
55150901	MYSELLA SP.	X
551515	SPORTELLIDAE	
55151501	BASTEROTIA SP.	X
551517	CARDITIDAE	
55151701	CYCLOCARDIA SP.	X
55151705	GLANS SP.	X
5515170502	GLANS DOMINGUENSIS	X

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TAXON CODE	SPECIES NAME	PRESENCE
5515170601	PLEUROMERIS TRIDENTATA	X
551520	CRASSATELLIDAE	
5515200101	EUCRASSATELLA SPECIOSA	X
55152002	CRASSINELLA SP.	X
5515200201	CRASSINELLA MARTINICENSIS	X
551522	CARDIIDAE	
55152203	NEMOCARDIUM SP.	X
5515220302	NEMOCARDIUM TINCTUM	X
5515220303	NEMOCARDIUM PERAMABILE	X
55152204	LAEVICARDIUM SP.	X
5515220402	LAEVICARDIUM LAEVIGATUM	X
5515220403	LAEVICARDIUM PICTUM	X
5515220404	LAEVICARDIUM SOWERBYI	X
5515220701	TRACHYCARDIUM EGMONTIANUM	X
5515220801	PAPYRIDEA SOLENIFORMIS	X
5515220901	AMERICARDIA MEDIA	X
551525	MACTRIDAE	X
551528	MESODESMATIDAE	
55152801	ERVILIA SP.	X
5515280101	ERVILIA CONCENTRICA	X
551531	TELLINIDAE	X
55153101	MACOMA SP.	X
5515310120	MACOMA TENTA	X
55153102	TELLINA SP.	X
5515310206	TELLINA LISTERI	X
5515310207	TELLINA PROBRINA	X
5515310210	TELLINA SYBARITICA	X
5515310214	TELLINA MARTINICENSIS	X
5515310215	TELLINA GOULDII	X
5515310216	TELLINA AEQUISTRIATA	X
5515310220	TELLINA SQUAMIFERA	X
55153103	TELLIDORA SP.	X
5515310301	TELLIDORA CRISTATA	X
551535	SEMELIDAE	
55153501	SEMELE SP.	X
5515350102	SEMELE BELLASTRIATA	X
5515350103	SEMELE PROFICUA	X
5515350104	SEMELE PURPURASCENS	X
5515350105	SEMELE NUCULOIDES	X
55153502	ABRA SP.	X
5515350201	ABRA AEQUALIS	X
55153503	CUMINGIA SP.	X
551547	VENERIDAE	X
55154701	TRANSENNELLA SP.	X
5515470103	TRANSENNELLA CONRADINA	X
55154710	CYCLINELLA SP.	X
5515471001	CYCLINELLA TENUIS	X

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TAXON CODE	SPECIES NAME	PRESENCE
55154712	PITAR SP.	X
5515471202	PITAR FULMINATUS	X
55154714	MACROCALLISTA SP.	X
5515471401	MACROCALLISTA MACULATA	X
5515471501	CALLISTA EUCYMATA	X
5515471601	GOULDIA CERINA	X
55154717	CHIONE SP.	X
5515471701	CHIONE LATILIRATA	X
5515471702	CHIONE CANCELLATA	X
55154718	PERIGLYPTA SP.	X
5515471801	PERIGLYPTA LISTERI	X
5515471901	VENTRICOLARIA RUGATINA	X
551549	COOPERELLIDAE	
55154901	COOPERELLA SP.	X
5516	MYOIDA	
5517	MYOIDA MYINA	
551701	MYIDAE	X
5517010401	SPHENIA TUMIDA	X
55170105	DACRYDIUM SP.	X
551702	CORBULIDAE	
55170202	CORBULA SP.	X
5517020201	CORBULA CONTRACTA	X
5517020202	CORBULA DIETZIANA	X
5517020203	CORBULA KREBSIANA	X
5517020301	VARICORBULA OPERCULATA	X
551705	GASTROCHAENIDAE	
5517050101	GASTROCHAENA HIANS	X
551706	HIATELLIDAE	
5517060201	HIATELLA ARCTICA	X
551801	PHOLADIDAE	X
5520	PHOLADOMYOIDA	
552005	LYONSIIDAE	
55200502	LYONSIA SP.	X
5520050208	LYONSIA BEANA	X
552009	POROMYIDAE	
55200901	POROMYA SP.	X
552010	CUSPIDARIIDAE	
55201001	CARDIOMYA SP.	X
5520100105	CARDIOMYA COSTELLATA	X
55201002	CUSPIDARIA SP.	X
55201003	MYONERA SP.	X
552011	VERTICORDIIDAE	
5520110301	VERTICORDIA ORNATA	X
5520110302	VERTICORDIA ACUTICOSTATA	X
5521	HIPPURITOIDA	
552101	CHAMIDAE	
55210101	ARCINELLA SP.	X

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TAXON CODE	SPECIES NAME	PRESENCE
5521010101	ARCINELLA CORNUTA	X
5521010201	CHAMA CONGREGATA	X
5521010202	CHAMA MACEROPHYLLA	X
5521010301	PSEUDOCHAMA RADIANS	X
56	SCAPHOPODA	
560001	DENTALIIDAE	
56000101	DENTALIUM SP.	X
5600010107	DENTALIUM LAQUEATUM	X
56000102	ANTALIS SP.	X
5600010201	ANTALIS ANTILLARUM	X
5600010301	GRAPTACME EBOREUM	X
5600010302	GRAPTACME SEMISTRIOLATUM	X
56000104	LAEVIDENTALIUM SP.	X
5600010401	LAEVIDENTALIUM DIDYMUM	X
560002	SIPHONODENTALIIDAE	
56000201	CADULUS SP.	X
5600020105	CADULUS AGASSIZI	X
5600020108	CADULUS CAROLINENSIS	X
5600020109	CADULUS QUADRIDENTATUS	X
57	CEPHALOPODA	
5704	SEPIOIDEA	
570402	SEPIOLIDAE	
57040203	SEMIROSSIA SP.	X
5704020301	SEMIROSSIA EQUALIS	
5704020302	SEMIROSSIA TENERA	X
5705	TEUTHOIDEA	
570601	LOLIGINIDAE	
57060101	LOLIGO SP.	X
5706010102	LOLIGO PEALEII	X
5706010103	LOLIGO PLEI	X
5708	OCTOPODA	
570801	OCTOPODIDAE	
57080102	OCTOPUS SP.	X
5708010202	OCTOPUS JOUBINI	X
5708010203	OCTOPUS VULGARIS	X
5708010204	OCTOPUS DEFILIPPI	X
5799	CEPHALAPODA EGGS	
60	ARTHROPODA-PYCNOGONIDA	X
600106	PHOXICHILIDIIDAE	
6001060204	ANOPLODACTYLUS LENTUS	X
6001060205	ANOPLODACTYLUS INSIGNIS	X
600109	CALLIPALLENIDAE	
6001090101	PALLENOPSIS SCHMITTI	X
61	ARTHROPODA-MANDIBULATA-CRUSTACEA	X
6103	CRUSTACEA-BRANCHIOPODA	
6108	DIPLOSTRACA-CLADOCERA	X
6110	CRUSTACEA-OSTRACODA	X

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TAXON CODE	SPECIES NAME	PRESENCE
6111	OSTRACODA-MYODOCOPA	X
6111000001	HAPLOCYTHERIDAE SETIPUNCTATA	X
6111000002	PARACYPRIDINA SP.	X
6111000003	CYCLOLEBERIS AMERICANA	X
6111000005	SKOGSBERGIA LERNERI	X
6111000006	ACTINOSETA CHELISPARSA	X
6111000007	ANGULOROSTRUM SP.	X
61110001	PSEUDOPHILOMEDES SP.	X
6111000198	PSEUDOPHILOMEDES SP. 2	X
61110003	SIPHONOSTRA SP.	X
611103	CYLINDROLEBERIDAE	X
61110302	ASTEROPELLA SP.	X
6111030301	PARASTEROPE POLLEX	X
611104	SARSIELLIDAE	
61110401	SARSIELLA SP.	X
6111040106	SARSIELLA DISPARALIS	X
6111040107	SARSIELLA CAPILLARIS	X
6111040191	SARSIELLA SP. 9	X
6111040192	SARSIELLA SP. 8	X
6111040193	SARSIELLA SP. 7	X
6111040194	SARSIELLA SP. 6	X
6111040195	SARSIELLA SP. 5	X
6111040196	SARSIELLA SP. 4	
6111040198	SARSIELLA SP. 2	X
6111040199	SARSIELLA SP. 1	X
611105	HALOCYPRIDIDAE	X
611106	RUTIDERMATIDAE	
61110601	RUTIDERMA SP.	X
6111060101	RUTIDERMA MOLLITUM	X
6111060102	RUTIDERMA LICINUM	X
6111060103	RUTIDERMA GYRE	X
6111060197	RUTIDERMA SP. 3	X
6111060198	RUTIDERMA SP. 2	X
6111060199	RUTIDERMA SP. 1	X
611107	PHILOMEDIDAE	
61110701	HARBANSUS SP.	X
6111070198	HARBANSUS SP. 2	X
6111070199	HARBANSUS SP. 1	
6113	OSTRACODA-PODOCOPA	X
6117	CRUSTACEA-COPEPODA	X
6130	CRUSTACEA-CIRRIPEDIA	
6131	CIRRIPEDIA-THORACICA	
6132	CIRRIPEDIA-THORACICA-LEPADOMORPHA	
613201	SCALPELLIDAE	
6132010301	DICEROSCALPELLUM ARIETINUM	X
6134	CIRRIPIDA-THORACICA-BALANOMORPHA	
613402	BALANIDAE	

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TAXON CODE	SPECIES NAME	PRESENCE
61340201	BALANUS SP.	X
6134020116	BALANUS VENUSTUS	X
613403	ARCHAEOBALANIDAE	
6134030101	ACASTA CYATHUS	X
6134030201	CONOPEA GALEATUS	X
6134030301	MEMBRANOBALANUS DECLIVIS	X
6143	CRUSTACEA- MALACOSTRACA	
6149	MALACOSTRACA-PERACARIDA	
6151	PERACARIDA-MYSIDACEA	
615301	MYSIDAE	
61530121	MYSIDOPSIS SP.	X
6153012102	MYSIDOPSIS FURCA	X
6153012399	ERYTHROPS SP. A	X
61530124	BOWMANIELLA SP.	X
6153012401	BOWMANIELLA MEXICANA	X
6153012402	BOWMANIELLA PORTORICENSIS	X
6153012499	BOWMANIELLA SP. 1 (JOHNSONI TYPE)	X
6153012501	ANCHIALINA TYPICA	X
6153012601	HETEROMYSIODES SPONGICOLA	X
6154	PERACARIDA-CUMACEA	X
615404	LEUCONIDAE	
61540401	LEUCON SP.	
6154040198	LEUCON SP. B	X
6154040199	LEUCON SP. A	X
6154040299	EUDORELLA SP. A	X
615405	DIASTYLIDAE	X
6154050499	LEPTOSTYLIS SP. A	X
61540508	OXYUROSTYLIS SP.	X
6154050801	OXYUROSTYLIS SMITHI	X
6154050897	OXYUROSTYLIS SP. C	X
6154050899	OXYUROSTYLIS SP. A	X
615407	CAMPYLASPIDAE	
61540701	CAMPYLASPIS SP.	X
6154070190	CAMPYLASPIS SP. J	X
6154070191	CAMPYLASPIS SP. I	X
6154070192	CAMPYLASPIS SP. H	X
6154070194	CAMPYLASPIS SP. F	X
6154070195	CAMPYLASPIS SP. E	X
6154070196	CAMPYLASPIS SP. D	X
6154070197	CAMPYLASPIS SP. C	X
6154070198	CAMPYLASPIS SP. B	X
6154070199	CAMPYLASPIS SP. A	X
615408	NANNASTACIDAE	X
61540801	CUMELLA SP.	X
6154080103	CUMELLA TRIPUNCTATA	X
6154080192	CUMELLA SP. H	X
6154080193	CUMELLA SP. G	X

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TAXON CODE	SPECIES NAME	PRESENCE
6154080194	CUMELLA SP. F	X
6154080195	CUMELLA SP. E	X
6154080196	CUMELLA SP. D	X
6154080197	CUMELLA SP. C	X
6154080198	CUMELLA SP. B	X
6154080199	CUMELLA SP. A	X
6154080299	NANNASTACUS SP. A	X
615409	BODOTRIIDAE	X
6154090203	CYCLASPIS UNICORNIS	X
6154090294	CYCLASPIS SP. F	X
6154090295	CYCLASPIS SP. E	X
6154090296	CYCLASPIS SP. D	X
6154090297	CYCLASPIS SP. C	X
6154090298	CYCLASPIS SP. B	X
6154090299	CYCLASPIS SP. A	X
61540904	GIGACUMA SP.	
6154090498	GIGACUMA SP. B	X
6154090499	GIGACUMA SP. A	X
6154090599	VAUNTHOMPSONIA SP. A	X
61540906	SYMPODOMMA SP.	
6154090699	SYMPODOMMA SP. A	X
6155	PERACARIDA-TANAIDACEA	
615702	PARATANAIDAE	X
6157020198	LEPTOCHELIA SP. B	X
6157020199	LEPTOCHELIA SP. A	X
6157020299	LEPTOGNATHIA SP. A	X
615703	KALLIAPSEUDIDAE	
6157030197	KALLIAPSEUDES SP. C	X
6157030198	KALLIAPSEUDES SP. B	X
6157030199	KALLIAPSEUDES SP. A	X
615704	CIRRATODACTYLIDAE	
6157040101	CIRRATODACTYLUS FLORIDENSIS	X
615705	APSEUDIDAE	
6157050101	APSEUDES PROPINQUUS	X
6157050196	APSEUDES SP. D	X
6157050197	APSEUDES SP. C	X
6157050198	APSEUDES SP. B	X
6157050199	APSEUDES SP. A	X
615706	PSEUDOTANAIDAE	
6157060199	PSEUDOTANAIS SP. A	X
615707	NOTOTANAIDAE	
6157070199	NOTOTANAIS SP. A	X
6158	PERACARIDA-ISOPEDA	X
615901	GNATHIIDAE	X
616001	ANTHURIDAE	X
6160010701	HOROLOANTHURA IRPEX	X
6160010801	XENANTHURA BREVITELSON	X

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TAXON CODE	SPECIES NAME	PRESENCE
616101	CIROLANIDAE	
61610101	CIROLANA SP.	X
6161010108	CIROLANA PARVA	X
6161010109	CIROLANA ALBIDA	
6161010201	EURYDICE PIPERATA	X
616102	SPHAEROMIDAE	
61610207	SPHAEROMA SP.	X
616103	SEROLIDAE	X
6161030101	SEROLIS MGRAYI	X
616107	AEGIDAE	
6161070102	AEGA ANTILLENSIS	X
616201	ARCTURIDAE	X
61620104	ASTACILLA SP.	X
616202	IDOTEIDAE	
61620205	CHIRIDOTEA SP.	X
61620207	EDOTEA SP.	X
6162020701	EDOTEA MONTOSA	X
616312	MUNNIDAE	
61631201	MUNNA SP.	X
6168	PERACARIDA-AMPHIPODA	X
6169	AMPHIPODA-GAMMARIDEA	
616901	ACANTHONOTOZOMATIDAE	X
616902	AMPELISCIDAE	X
61690201	AMPELISCA SP.	X
6169020111	AMPELISCA AGASSIZI	X
6169020116	AMPELISCA CRISTATA	X
6169020117	AMPELISCA HOLMESII	X
6169020118	AMPELISCA VENETIENSIS	X
6169020195	AMPELISCA SP. E	
6169020196	AMPELISCA SP. D	X
6169020197	AMPELISCA SP. C	X
6169020198	AMPELISCA SP. B	X
6169020199	AMPELISCA SP. A	X
6169020299	BYBLIS SP. A	X
616903	AMPHILOCHIDAE	X
61690302	AMPHILOCHUS SP.	
6169030299	AMPHILOCHUS SP. A	X
616904	AMPITHOIDAE	
6169040199	AMPITHOE SP. A	X
616906	AORIDAE	X
61690603	LEMBOS SP.	X
6169060398	LEMBOS SP. B	X
6169060399	LEMBOS SP. A	X
61690604	MICRODEUTOPUS SP.	X
6169060403	MICRODEUTOPUS MYERSI	X
6169060499	MICRODEUTOPUS SP. A	X
6169060501	ACUMINODEUTOPUS NAGLEI	X

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TAXON CODE	SPECIES NAME	PRESENCE
6169060601	LIOCUMA CAECA	X
6169060701	RILDARDANUS LAMINOSA	X
6169060901	UNCIOLA SERRATA	X
616907	ARGISSIDAE	
61690701	ARGISSA SP.	X
616910	BATEIDAE	X
61691002	CARINOBATEA SP.	
6169100298	CARINOBATEA SP. B	X
6169100299	CARINOBATEA SP. A	X
616914	COLOMASTIGIDAE	
61691401	COLOMASTIX SP.	X
6169140199	COLOMASTIX SP. A	X
616915	COROPHIIDAE	
61691501	CERAPUS SP.	X
6169150199	CERAPUS SP. A	X
61691502	COROPHIUM SP.	X
6169150207	COROPHIUM TUBERCULATUM	X
6169150298	COROPHIUM SP. B	X
6169150299	COROPHIUM SP. A	X
61691503	ERICTHONIUS SP.	X
6169150302	ERICTHONIUS BRASILIENSIS	X
6169150399	ERICTHONIUS SP. A	X
616921	GAMMARIDAE	X
61692118	JERBARNIA SP.	
6169211899	JERBARNIA SP. A	X
6169211901	DULICHIELLA APPENDICULATA	X
616922	HAUSTORIIDAE	
6169220699	ACANTHOHAUSTORIUS SP. A	X
616926	PHOTIDAE	X
61692602	PHOTIS SP.	X
6169260295	PHOTIS SP. E	X
6169260298	PHOTIS SP. B	X
6169260299	PHOTIS SP. A	X
61692604	GRAMMAROPSIS SP.	X
6169260599	PODOCEROPSIS SP. A	X
6169260901	CHEVALIA MEXICANA	X
616932	LEUCOTHOIDAE	
61693201	LEUCOTHOE SP.	X
6169320199	LEUCOTHOE SP. A	X
616933	LILJEBORGIIDAE	
61693301	IDUNELLA SP.	
6169330198	IDUNELLA SP. B	X
6169330199	IDUNELLA SP. A	X
61693303	LISTRIELLA SP.	X
6169330301	LISTRIELLA BARNARDI	X
6169330303	LISTRIELLA CORINATA	X
6169330396	LISTRIELLA SP. D	X

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TAXON CODE	SPECIES NAME	PRESENCE
6169330398	LISTRIELLA SP. B	X
6169330399	LISTRIELLA SP. A	X
616934	LYSIANASSIDAE	X
61693414	HIPPOMEDON SP.	
6169341499	HIPPOMEDON SP. A	X
61693453	LYSIANOPSIS SP.	X
6169345399	LYSIANOPSIS SP. A	X
616937	OEDICEROTIDAE	X
61693708	MONOCULODES SP.	X
6169370823	MONOCULODES NYEI	X
6169371401	SYNCHELIDIUM AMERICANUM	X
61693715	WESTWOODILLA SP.	
6169371599	WESTWOODILLA SP. A	X
61693716	OEDICEROS SP.	X
6169371699	OEDICEROS SP. A	X
616942	PHOXOCEPHALIDAE	X
61694201	HARPINIA SP.	X
6169420198	HARPINIA SP. B	X
6169420199	HARPINIA SP. A	X
61694203	HETEROPHOXUS SP.	
6169420399	HETEROPHOXUS SP. A	X
61694213	RHEPOXYMIUS SP.	X
6169421301	RHEPOXYNIUS EPISTOMA	X
6169421403	METHARPINIA FLORIDANA	X
616943	PLEUSTIDAE	X
616944	PODOCERIDAE	
6169440499	PODOCEROS SP. A	X
616948	STENOTHOIDAE	X
6169480798	PARAMETOPELLA SP. B	X
6169480799	PARAMETOPELLA SP. A	X
6169481001	STENOTHOE GALLENSIS	X
6169481097	STENOTHOE SP. C	X
6169481098	STENOTHOE SP. B	X
6169481099	STENOTHOE SP. A	X
616950	SYNOPIIDAE	X
61695006	GAROSYRRHOE SP.	
6169500699	GAROSYRRHOE SP. A	X
616954	MELITIDAE	X
61695401	CERADOCUS SP.	X
61695402	ELASMOPUS SP.	X
6169540201	ELASMOPUS RAPAX	X
6169540202	ELASMOPUS PROCELLINANUS	X
6169540298	ELASMOPUS SP. B	X
6169540299	ELASMOPUS SP. A	X
61695403	MAERA SP.	X
6169540398	MAERA SP. B	X
6169540399	MAERA SP. A	X

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TAXON CODE	SPECIES NAME	PRESENCE
61695404	MELITA SP.	
6169540401	MELITA APPENDICULATA	X
6169540496	MELITA SP. D	
6169540497	MELITA SP. C	
6169540499	MELITA SP. A	X
616955	TIRONIDAE	
61695501	TIRON SP.	
6169550101	TIRON TROPAKIS	X
6169550199	TIRON SP. A	X
6170	AMPHIPODA-HYPERIIDEA	
617001	HYPERIIDAE	
6170010901	LESTRIGONUS BENGALENSIS	X
6171	AMPHIPODA-CAPRELLIDAE	
617101	CAPRELLIDAE	
61710107	CAPRELLA SP.	X
6171011101	PHTISICA MARINA	X
6171011201	LUCONACIA INCERTA	X
6173	MALACOSTRACA-EUCARIDA	
6175	EUCARIDA-DECAPODA	
6176	DECAPODA-DENDROBRANCHIATA	
6177	DENDROBRANCHIATA-PENAEIDEA	
617701	PENAEIDAE	X
6177010102	PENAEUS DUORARUM	X
61770102	TRACHYPENAEUS SP.	X
6177010201	TRACHYPENAEUS CONSTRICTUS	X
6177010202	TRACHYPENAEUS SIMILIS	X
61770104	METAPENAEOPSIS SP.	X
6177010401	METAPENAEOPSIS GOODEI	X
6177010402	METAPENAEOPSIS GERARDOI	X
6177020201	LUCIFER FAXONI	X
617703	SICYONIIDAE	
61770301	SICYONIA SP.	X
6177030101	SICYONIA BREVIROSTRIS	X
6177030102	SICYONIA LAEVIGATUS	X
6177030103	SICYONIA TYPICA	X
6177030104	SICYONIA DORSALIS	X
6177030105	SICYONIA STIMPSONI	X
617704	SOLENOCERIDAE	
61770401	SOLENOCERA SP.	X
6177040101	SOLENOCERA ATLANTIDIS	X
6177040201	MESOPENAEUS TROPICALIS	X
6178	DECAPODA-PLEOCYEMATA	
6179	PLEOCYEMATA-CARIDEA	X
617905	PASIPHAEIDAE	
61790502	LEPTOCHELA SP.	X
6179050201	LEPTOCHELA SERRATORBITA	X
6179050202	LEPTOCHELA PAPULATA	X

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TAXON CODE	SPECIES NAME	PRESENCE
6179050203	LEPTOCHELA CARINATA	X
617911	PALAEMONIDAE	
6179110401	ANCHISTIOIDES ANTIGUENSIS	X
61791105	PERICLIMENES SP.	X
6179110502	PERICLIMENES AMERICANUS	X
6179110503	PERICLIMENES HARRINGTONI	X
6179110504	PERICLIMENES LONGICAUDATUS	X
6179110505	PERICLIMENES PEDERSONI	X
6179110601	PERICLIMENAEUS CARAIBICUS	X
6179110602	PERICLIMENAEUS SCHMITTI	X
6179110607	PERICLIMENAEUS PERLATUS	X
6179110699	PERICLIMENAEUS SP. A	X
617914	ALPHEIDAE	X
61791401	ALPHEUS SP.	X
6179140102	ALPHEUS NORMANNI	X
6179140103	ALPHEUS ARMATUS	X
6179140104	ALPHEUS ARMILLATUS	X
6179140105	ALPHEUS FLORIDANUS	X
6179140108	ALPHEUS FORMOSUS	X
6179140199	ALPHEUS SP. A	X
61791403	SYNALPHEUS SP.	X
6179140301	SYNALPHEUS BOUSFIELDI	X
6179140302	SYNALPHEUS GOODEI	X
6179140303	SYNALPHEUS HERRICKI	X
6179140304	SYNALPHEUS LONGICARPUS	X
6179140305	SYNALPHEUS MINUS	X
6179140306	SYNALPHEUS PANDIONIS	X
6179140307	SYNALPHEUS TOWNSENDI	X
6179140309	SYNALPHEUS BROOKSI	X
6179140310	SYNALPHEUS HEMPHILLI	X
61791404	AUTOMATE SP.	X
6179140401	AUTOMATE EVERMANNI	X
6179140699	SALOMEUS SP. A	X
617916	HIPPOLYTIDAE	
6179160601	LATREUTES FUCORUM	X
6179161001	LYSMATA RATHBUNAE	X
6179161101	THOR FLORIDANUS	X
61791612	TOZEUMA SP.	X
6179161201	TOZEUMA SERRATUM	X
6179161202	TOZEUMA CAROLINENSE	X
6179161301	TRACHYCARIS RESTRICTUS	X
617917	PROCESSIDAE	X
6179170101	NIKOIDES SCHMITTI	X
61791702	PROCESSA SP.	X
6179170201	PROCESSA BERMUDENSIS	X
6179170202	PROCESSA TENUIPES	X
6179170203	PROCESSA VICINA	X

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TAXON CODE	SPECIES NAME	PRESENCE
6179170204	PROCESSA HEMPHILLI	X
6179170299	PROCESSA SP. A	X
617918	PANDALIDAE	
6179180401	PANTOMUS PARVULUS	X
617922	CRANGONIDAE	
6179220602	PONTOPHILIS GOREI	X
6180	PLEOCYEMATA-STENOPODIDEA	
618001	STENOPODIDAE	
61800101	STENOPUS SP.	X
6180010101	STENOPUS SCUTELLATUS	X
6180010201	HETEROCRYPTA GRANULATA	X
6182	PLEOCYEMATA-PALINURA	
618201	PALINURIDAE	X
618202	SCYLLARIDAE	
61820201	SCYLLARUS SP.	X
6182020101	SCYLLARUS DEPRESSUS	X
6182020102	SCYLLARUS AMERICANUS	X
6182020103	SCYLLARUS CHACEI	X
6182020104	SCYLLARUS FAXONI	X
6182020199	SCYLLARUS SP. A.	X
6182020201	SCYLLARIDES NODIFER	X
6182020202	SCYLLARIDES AEQUINOCTIALIS	X
6183	PLEOCYEMATA-ANOMURA	X
618302	AXIIDAE	X
6183020398	AXIOPSIS SP. B	X
6183020399	AXIOPSIS SP. A	X
6183020401	CORALAXIUS ABELEI	X
618304	CALLIANASSIDAE	
61830401	UPOGEBIA SP.	X
6183040199	UPOGEBIA SP. A	X
61830402	CALLIANASSA SP.	X
6183040206	CALLIANASSA MARGINATA	X
6183040296	CALLIANASSA SP. D	X
6183040297	CALLIANASSA SP. C	X
6183040298	CALLIANASSA SP. B	X
6183040299	CALLIANASSA SP. A	X
618306	PAGURIDAE	X
61830602	PAGURUS SP.	X
6183060235	PAGURUS BULLISI	X
6183060236	PAGURUS BREVIDACTYLUS	
6183060237	PAGURUS STIMPSONI	X
6183060238	PAGURUS CAROLINENSIS	X
6183060299	PAGURUS SP. A	X
61830611	IRIDOPAGURUS SP.	X
6183061101	IRIDOPAGURUS CARIBBENSIS	X
6183061201	MANUCOMPLANUS CORALLINUS	X
61830613	PHIMOCHIRUS SP.	X

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TAXON CODE	SPECIES NAME	PRESENCE
6183061301	PHIMOCHIRUS HOLTHUISI	X
61830615	AGARICOCHIRUS SP.	X
6183061501	AGARICOCHIRUS BOLETIFER	X
6183061601	PYLOPAGURUS DISCOIDALIS	X
6183061701	SOLENOPAGURUS LINEATUS	X
61830618	ANISOPAGURUS SP.	X
618310	GALATHEIDAE	X
61831001	MUNIDA SP.	X
6183100105	MUNIDA PUSILLA	X
6183100106	MUNIDA SIMPLEX	X
6183100301	GALATHEA ROSTRATA	X
618312	PORCELLANIDAE	X
6183120103	PETROLISTHES GALATHINUS	X
61831202	PACHYCHELES SP.	X
6183120204	PACHYCHELES RUGIMANUS	X
6183120205	PACHYCHELES ACKLEIANUS	X
6183120501	PORCELLANA SIGSBEIANA	X
6183120502	PORCELLANA SAYANA	X
6183120599	PORCELLANA SP. A.	X
6183120601	NEOPISOSOMA ANGUSTIFRONS	X
6183120701	PARAPETROLISTHES TORTUGENSIS	X
618313	ALBUNEIDAE	
61831302	ALBUNEA SP.	X
6183130201	ALBUNEA GIBBESI	X
6183130301	ZYGOPA MICHAELIS	X
618315	DIOGENIDAE	X
6183150101	DARDANUS FUCOSUS	X
6183150102	DARDANUS INSIGNIS	X
6183150103	DARDANUS VENOSUS	X
61831502	PAGURISTES SP.	X
6183150201	PAGURISTES CADENATI	X
6183150202	PAGURISTES HERNANCORTEZI	X
6183150203	PAGURISTES HUMMI	X
6183150204	PAGURISTES PUNTICEPS	X
6183150205	PAGURISTES SERICEUS	X
6183150207	PAGURISTES TORTUGAE	X
6183150208	PAGURISTES TRIANGULATUS	X
6183150209	PAGURISTES RECTIFRONS	X
6183150299	PAGURISTES SP. A	X
6183150301	CANCELLUS ORNATUS	X
61831505	PETROCHIRUS SP.	X
6183150501	PETROCHIRUS DIOGENES	X
6184	PLEOCYEMATA-BRACHYURA	X
6185	BRACHYURA-DROMIACEA	
618502	DROMIIDAE	
61850201	DROMIDIA SP.	X
6185020101	DROMIDIA ANTILLENSIS	X

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TAXON CODE	SPECIES NAME	PRESENCE
61850202	HYPOCONCHA SP.	X
6185020201	HYPOCONCHA SABULOSA	X
6185020202	HYPOCONCHA SPINOSISSIMA	X
6185020203	HYPOCONCHA ARCUATA	X
618504	HOMOLIDAE	
6185040201	HOMOLA BARBATA	X
6186	BRACHYURA-OXYSTOMATA	
618601	DORIPPIDAE	X
61860101	ETHUSA SP.	X
6186010102	ETHUSA MASCARONE	X
6186010103	ETHUSA TENUIPES	X
6186010104	ETHUSA MICROPHTHALMA	X
61860102	CLYTHROCERUS SP.	X
6186010201	CLYTHROCERUS PERPUSILLUS	X
6186010202	CLYTHROCERUS STIMPSONI	X
618602	CALAPPIDAE	
61860201	CALAPPA SP.	X
6186020101	CALAPPA FLAMMEA	X
6186020103	CALAPPA ANGUSTA	X
6186020104	CALAPPA GALLUS	X
6186020105	CALAPPA SULCATA	X
61860202	HEPATUS SP.	X
6186020201	HEPATUS EPHELITICUS	X
6186020301	CYCLOES BAIRDI	X
6186020401	OSACHILA ANTILLENSIS	X
6186020402	OSACHILA SEMILEVIS	X
6186020403	OSACHILA TUBEROSA	X
618603	LEUCOSIIDAE	X
61860301	PERSEPHONA SP.	X
6186030102	PERSEPHONA AQUILONARIS	X
6186030103	PERSEPHONA SUBAQVATA	X
6186030201	MYROPSIS QUINQUESPINOSA	X
6186030301	CALLIDACTYLUS ASPER	X
6186030401	LITHADIA GRANULOSA	X
6186030402	LITHADIA CADAVEROSA	X
61860305	ILIACANTHA SP.	X
6186030501	ILIACANTHA INTERMEDIA	X
6186030502	ILIACANTHA SPARSA	X
6186030503	ILIACANTHA SUBGLOBOSA	X
6186030601	SPELOEOPHORUS PONTIFER	X
618604	RANINIDAE	
61860402	RANILIA SP.	X
6186040201	RANILIA MURICATA	X
6186040202	RANILIA CONSTRICTA	X
61860403	RANINOIDES SP.	X
6186040301	RANINOIDES LOEVIS	X
6186040401	SYMETHIS VARIOLOSA	X

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TAXON CODE	SPECIES NAME	PRESENCE
6187	BRACHYURA-OXYRHYNCHA	
618701	MAJIDAE	X
6187011002	COLLODES TRISPINOSUS	X
61870111	EUPROGNATHA SP.	X
6187011101	EUPROGNATHA RASTELLIFERA	X
6187011501	ARACHNOPSIS FILIPES	X
6187011601	AEPINUS SEPTEMSPINOSUS	X
61870117	MACROCOELOMA SP.	X
6187011701	MACROCOELOMA CAMPTOCERUM	X
6187011702	MACROCOELOMA EUTHECA	X
6187011703	MACROCOELOMA SEPTEMSPINOSUM	X
6187011704	MACROCOELOMA TRISPINOSUM	X
6187011801	METOPORHAPHIS CALCARATA	X
61870119	MICROPHRYS SP.	X
6187011901	MICROPHRYS ANTILLENSIS	X
6187011902	MICROPHRYS BICORNATUS	X
61870120	MITHRAX SP.	X
6187012001	MITHRAX (MITHRAX) ACUTICORNIS	X
6187012002	MITHRAX (MITHRAX) HISPIDUS	X
6187012003	MITHRAX (MITHRAX) PLEURACANTHUS	X
6187012004	MITHRAX (MITHRACULUS) FORCEPS	X
6187012101	PITHO LHERMINIERI	X
61870122	PODOCHELA SP.	X
6187012201	PODOCHELA GRACILIPES	X
6187012202	PODOCHELA LAMELLIGERA	X
6187012203	PODOCHELA RIISEI	X
6187012204	PODOCHELA SIDNEYI	X
61870123	STENOCIONOPS SP.	X
6187012301	STENOCIONOPS FURCATA	X
6187012303	STENOCIONOPS SPINIMANA	X
61870124	STENORHYNCUS SP.	X
6187012401	STENORHYNCHUS SETICORNIS	X
6187012499	STENORNYNCUS SP. A	X
6187012501	TYCHE EMARGINATA	X
6187012601	BATRACHONOTUS FRAGOSUS	X
6187012701	STILBOGNATHUS BURRYI	X
6187012801	ANASIMUS LATUS	X
6187012901	COELOCERUS SPINOSUS	X
6187013001	INACHOIDES FORCEPS	X
61870131	PITHO SP.	X
618702	PARTHENOPIDAE	X
61870201	PARTHENOPE SP.	X
6187020101	PARTHENOPE POURTALESI	X
6187020102	PARTHENOPE AGONA	X
6187020103	PARTHENOPE FRATERCULUS	X
6187020104	PARTHENOPE GRANULATA	X
6187020105	PARTHENOPE SERRATA	X

SW FLORIDA SHELF MARINE PROGRAM:
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TAXON CODE	SPECIES NAME	PRESENCE
6187020301	MESORHOEA SEXSPINOSA	X
6187020401	CRYPTOPODIA CONCAVA	X
61870205	SOLENOLAMBRUS SP.	X
6187020501	SOLENOLAMBRUS TENELLUS	X
6189	BRACHYURA-BRACHYRHYNCHA	
618901	PORTUNIDAE	
61890103	CALLINECTES SP.	X
6189010401	CRONIUS RUBER	X
61890106	PORTUNUS SP.	X
6189010601	PORTUNUS GIBBESI	X
6189010603	PORTUNUS SPINICARPUS	X
6189010604	PORTUNUS SPINIMANUS	X
6189010606	PORTUNUS DEPRESSIFRONS	X
6189010607	PORTUNUS ORDWAYI	X
6189010609	PORTUNUS FLORIDANUS	X
6189010610	PORTUNUS VOCANS	X
6189010699	PORTUNUS SP. A	X
618902	XANTHIDAE	X
61890208	PANOPEUS SP.	X
6189021101	CARPOPORUS PAPULOSUS	X
6189021201	LOBOPILUMNUS AGASSIZI	X
61890213	MICROPANOPE SP.	X
6189021301	MICROPANOPE LAEVIMANUS	X
6189021303	MICROPANOPE SCULPTIPES	X
6189021399	MICROPANOPE SP. A	X
6189021401	MELYBIA THALAMITA	X
61890215	PILUMNUS SP.	X
6189021501	PILUMNUS DASYPODUS	X
6189021502	PILUMNUS FLORIDANUS	X
6189021503	PILUMNUS SAYI	X
6189021699	PLATYACTAEA SP. A	X
6189021701	PSEUDOMEDAEUS AGASSIZI	X
6189021702	PSEUDOMEDAEUS DISTINCTUS	X
6189021801	PARACTAEA RUFOPUNCTATA	X
6189021901	GLYPTOXANTHUS EROSUS	X
6189022001	NANOPLAX XANTHIFORMIS	X
618905	GONEPLACIDAE	X
6189050201	EURYPLAX NITIDA	X
6189050301	PANOPLAX DEPRESSA	X
6189050401	TRAPEZIOPLAX TRIDENTATA	X
61890505	SPEOCARCINUS SP.	X
6189050501	SPEOCARCINUS LOBATUS	X
6189050601	FREVILLEA BARBATA	X
6189050701	GLYPTOPLAX SMITHII	X
618906	PINNOTHEREIDAE	
61890604	PINNIXA SP.	X
6189060498	PINNIXA SP. B	X

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TAXON CODE	SPECIES NAME	PRESENCE
6189060499	PINNIXA SP. A	X
618907	GRAPSIDAE	
6189070401	EUCHIROGRAPSUS AMERICANUS	X
618911	PALICIDAE	
61891101	PALICUS SP.	X
6189110101	PALICUS AFFINIS	X
6189110102	PALICUS ALTERNATUS	X
6189110103	PALICUS FAXONI	X
6190	MALACOSTRACA-HOPLOCARIDA	
6191	HOPLOCARIDA-STOMATOPODA	
619101	SQUILLIDAE	
61910101	SQUILLA SP.	X
6191010101	SQUILLA EMPUSA	X
6191010102	SQUILLA DECEPTRIX	X
6191010103	SQUILLA GRENADENSIS	X
6191010104	SQUILLA RUGOSA	X
6191010199	SQUILLA SP. A	X
6191010301	MEIOSQUILLA QUADRIDENS	X
6191010302	MEIOSQUILLA SCHMITTI	X
619102	LYSIOSQUILLIDAE	
619103	EURYSQUILLIDAE	
6191030101	EURYSQUILLA PLUMATA	X
619104	GONODACTYLIDAE	
6191040101	GONODACTYLUS BREDINI	X
6191040102	GONODACTYLUS TORUS	X
6191040201	PSEUDOSQUILLA CILIATA	X
619105	PSEUDOSQUILLIDAE	
61910501	PARASQUILLA SP.	X
71	POGONOPHORA	X
72	SIPUNCULA	X
720001	SIPUNCULIDAE	X
72000101	SIPUNCULUS SP.	X
720002	GOLFINGIIDAE	X
72000201	GOLFINGIA SP.	X
72000204	PHASCOLION SP.	X
7200020401	PHASCOLION STROMBI	X
720003	ASPIDOSIPHONIDAE	X
72000301	ASPIDOSIPHON SP.	X
72000302	PARASPIDOSIPHON SP.	X
73	ECHIURA	
730102	ECHIURIDAE	X
74	PRIAPULIDA	X
740001	PRIAPULIDAE	
7400010301	TUBILUCHUS CORALLICOLA	X
77	PHORONIDA	X
770001	PHORONIDAE	
7700010203	PHORONIS ARCHITECTA	X

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TAXON CODE	SPECIES NAME	PRESENCE
78	ECTOPROCTA	X
7801	ECTOPROCTA-GYMNOLAEMATA	
7802	GYMNOLAEMATA-CTENOSTOMATA	
780501	VESICULARIIDAE	
7805010101	AMATHIA CONVOLUTA	X
7805010103	AMATHIA DISTANS	X
7814	GYMNOLAEMATA-CHEILOSTOMATA	X
781504	MEMBRANIPORIDAE	
7815040104	MEMBRANIPORA TUBERCULATA	X
781507	HINCKSINIDAE	
7815070301	APLOUSINA FILUM	X
781508	CALLOPORIDAE	
7815080601	PARELLISINA LATIROSTRIS	X
7815080701	MOLLIA POTELLARIA	X
781511	ARACHNOPUSIIDAE	
7815110101	EXECHONELLA ANTILLEA	X
781512	ONYCHOCELLIDAE	
7815120101	SMITTIPORA LEVINSENI	X
781516	STEGANOPORELLIDAE	
7815160101	STEGANOPORELLA MAGNILABRIS	X
7815160201	LABIOPORELLA GRANULOSA	X
781522	CELLARIDAE	
78152201	CELLARIA SP.	X
7815220101	CELLARIA IRREGULARIS	X
781524	FARCIMINARIIDAE	
7815240101	NELLIA OCULATA	X
781525	BUGULIDAE	
78152501	BUGULA SP.	X
7815250105	BUGULA NERITINA	X
781528	SCRUPOCELLARIIDAE	
78152801	SCRUPOCELLARIA SP.	X
7815280102	SCRUPOCELLARIA REGULARIS	X
7815280202	CABEREA BORYI	X
781532	CUPULADIIDAE	
7815320101	CUPULADRIA BIPOROSA	X
7815320102	CUPULADRIA DOMA	X
781605	PETRALIIDAE	
7816050101	HIPPOPETRALIELLA BISINUATA	X
7816050102	HIPPOPETRALIELLA MARGINATA	X
781607	STOMACHETOSELLIDAE	
78160705	CIGCLISULA SP.	X
7816070502	CIGCLISULA PERTUSA	X
781608	SCHIZOPORELLIDAE	
7816080601	STYLOPOMA SPONGITES	X
781609	HIPPOPORINIDAE	
7816090401	HIPPOPORIDRA EDAX	X
7816090501	GEMELLIPORA GLABRA	

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TAXON CODE	SPECIES NAME	PRESENCE
7816090601	CLEIDOCHASMA CONTRACTUM	X
7816090602	CLEIDOCHASMA PORCELLANUM	X
781611	MICROPORELLIDAE	
78161101	MICROPORELLA SP.	X
781615	RETEPORIDAE	
7816150202	RHYNCHOZOON SPICATUM	X
7816150299	RHYNCHOZOON SP. A	X
7816150301	SERTELLA MARSUPIATA	X
7816150401	RETEPORELLINA EVELINAE	X
781616	ADEONIDAE	
7816160101	BRACEBRIDGIA SUBSULCATA	X
7816160201	REPTADEONELLA VIOLACEA	X
781617	CHEILOPORINIDAE	
7816170201	TETRAPLARIA DICHOTOMA	X
7816170301	HIPPALIOSINA ROSTRIGERA	X
781621	CREPIDACANTHIDAE	
7816210101	MASTIGOPHORA POROSA	X
781622	CELLEPORIDAE	
7816220201	BUSKEA DICHOTOMA	X
781630	MAMILLOPORIDAE	
7816300101	MAMILLOPORA CUPULA	X
781635	CELLEPORARIIDAE	
7816350101	CELLEPORARIA ALBIROSTRIS	X
7816350102	CELLEPORARIA MAGNIFICA	X
781636	SMITTINIDAE	
78163601	PARASMITTINA SP.	X
7816360101	PARASMITTINA TRISPINOSA	X
7816360102	PARASMITTINA SPATHULATA	X
7816360103	PARASMITTINA NITIDA	X
781637	ARACHNOPODIIDAE	
7816370101	TREMOGASTERINA MUCRONATA	X
7816370102	TREMOGASTERINA LANCEOLATA	X
781638	OPESIULIDAE	X
78163801	SELENARIA SP.	X
7818	ECTOPROCTA-STENOLAEMATA	
7819	STENOLAEMATA-CYCLOSTOMATA	
781901	TUBULIPORIDAE	
7819010101	IDMIDRONEA ATLANTICA	X
781902	MECYNOECIIDAE	
7819020101	ENTALOPHORA PROBOSCIDEOIDES	X
781903	CRISIIDAE	
7819030101	CRISIA EBURNEA	X
7819030102	CRISIA ELONGATA	X
7819030201	CRISULIPORA ORIENTALIS	X
781904	DIAPEROECIIDAE	
7819040101	DIAPEROECIA FLORIDANA	X
80	BRACHIOPODA	

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TAXON CODE	SPECIES NAME	PRESENCE
8001	INARTICULATA	
8002	INARTICULATA-LINGULIDA	
800201	LINGULIDAE	
8002010101	GLOTTIDIA PYRAMIDATA	X
8004	ARTICULATA	
8005	ARTICULATA-RHYNCHONELLIDA	
800509	PLATIDIIDAE	
8005090101	PLATIDIA CLEPSYDRA	X
8006	ARTICULATA-TEREBRATULIDA	
800608	MEGATHYRIDIDAE	
8006080101	ARGYROTHECA LUTEA	X
8006080102	ARGYROTHECA BARRETTIANA	X
81	ECHINODERMATA	X
8101	STELLEROIDEA	X
8104	ASTERIODEA	X
8105	ASTEROIDEA-PLATYASTERIDA	
810501	LUIDIIDAE	
8105010102	LUIDIA CLATHRATA	X
8105010103	LUIDIA ALTERNATA	X
8105010104	LUIDIA SAGAMINA	X
8106	ASTEROIDEA-PAXILLOSIDA	
810601	ASTROPECTINIDAE	
81060105	ASTROPECTEN SP.	X
8106010502	ASTROPECTEN DUPLICATUS	X
8106010503	ASTROPECTEN ARTICULATUS	X
8106010504	ASTROPECTEN COMPTUS	X
8106010601	TETHYASTER GRANDIS	X
8111	ASTEROIDEA-VALVATIDA	
811101	ODONTASTERIDAE	
81110101	ODONTASTER SP.	X
811102	CHAETASTERIDAE	
8111020101	CHAETASTER NODOSUS	X
811104	GONIASTERIDAE	
8111040108	CERAMASTER GRENADENSIS	X
8111040701	GONIASTER TESSELLATUS	X
81110408	TOSIA SP.	X
8111040801	TOSIA PARVA	X
8111040901	ATHENOIDES PIERCEI	
811105	OREASTERIDAE	
81110501	OREASTER SP.	X
8111050101	OREASTER RETICULATUS	X
811106	OPHIDIASTERIDAE	X
8111060201	NARCISSIA TRIGONARIA	X
8111060301	OPHIDIASTER GUILDINSII	X
8112	ASTEROIDEA-SPINULOSIDA	
811401	ASTERINIDAE	
8114010102	ASTERINA FOLIUM	X

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TAXON CODE	SPECIES NAME	PRESENCE
8114010201	ASTERINOPSIS PILOSA	X
811403	PORANIIDAE	X
8114030401	PORANIELLA REGULARIS	X
811404	ECHINASTERIDAE	X
8114040113	HENRICIA ANTILLARUM	
81140403	ECHINASTER SP.	X
8114040302	ECHINASTER MODESTUS	X
8114040303	ECHINASTER SPINULOSUS	X
811409	SOLASTERIDAE	
8114090101	SOLASTER CARIBBAEUS	X
8115	ASTEROIDIA-FORCIPULATIDA	
811703	ASTERIIDAE	
81170317	STEPHANASTERIAS SP.	
8120	OPHIUROIDEA	X
8123	OPHIUROIDEA-PHRYNPHIURIDA	
812401	OPHIOMYXIDAE	
81240102	OPHIOMYXA SP.	X
8124010201	OPHIOMYXA FLACCIDA	X
812503	GORGONOCEPHALIDAE	X
8125030301	ASTEROPORPA ANNULATA	X
8125030401	ASTEROCYCLUS CAECILIA	X
8125030501	ASTEROPHYTON MURICATUM	X
8126	OPHIUROIDEA-OPHIURIDA	
812701	OPHIURIDAE	
81270106	OPHIURA SP.	X
8127011001	OPHIOLEPSIS ELEGANS	X
812701110ONS	OPHIOZONA (SENSU LATO) N. SP.	X
812703	OPHIOCOMIDAE	
8127030101	OPHIOCOMA PUMILA	X
8127030102	OPHIOCOMA WENDTI	X
81270302	OPHIOPSILA SP.	X
8127030201	OPHIOPSILA RIISEI	X
8127030202	OPHIOPSILA HARTMEYERI	X
812704	OPHIONEREIDIDAE	
8127040101	OPHIONEREIS RETICULATA	X
8127040102	OPHIONEREIS OLIVACEA	X
812705	OPHIODERMATIDAE	
81270501	OPHIODERMA SP.	
8127050101	OPHIODERMA BREVISPINUM	X
8127050102	OPHIODERMA BREVICAUDUM	X
8127050103	OPHIODERMA RUBICUNDUM	X
8127050104	OPHIODERMA APPRESSUM	X
8127050105	OPHIODERMA CINEREUM	X
8127050198	OPHIODERMA SP. 2	X
8127050199	OPHIODERMA SP. 1	X
812801	OPHIACANTHIDAE	
8128010115	OPHIACANTHA LITTORALIS	X

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TAXON CODE	SPECIES NAME	PRESENCE
812902	OPHIACTIDAE	
8129020201	OPHIACTIS SAVIGNYI	X
8129020202	OPHIACTIS MULLERI	X
8129020203	OPHIACTIS ALGICOLA	X
812903	AMPHIURIDAE	X
8129030104	AMPHIODIA TRYCHNA	X
81290306	OPHIOPHRAGMUS SP.	X
8129030601	OPHIOPHRAGMUS PULCHER	
81290311	AXIOGNATHUS SP.	
8129031201	OPHIOSTIGMA ISOCANTHA	X
812904	OPHIOTHRICIDAE	
8129040102	OPHIOTHRIX ANGULATA	X
8129040103	OPHIOTHRIX SUENSONII	X
8129040104	OPHIOTHRIX LINEATA	
8136	ECHINOIDEA	X
8138	ECHINOIDEA-CIDAROIDA	
813801	CIDARIDAE	
81380101	EUCIDARIS SP.	X
8138010101	EUCIDARIS TRIBULOIDES	X
8138010201	STYLOCIDARIS AFFINIS	X
8142	ECHINOIDEA-DIADEMATOIDA	
814201	DIADEMATIDAE	
8142010101	CENTROSTEPHANUS LONGISPINUS	X
8142010201	DIADEMA ANTILLARUM	X
8147	ECHINOIDEA-ARBACIOIDA	
814701	ARBACIIDAE	
81470101	ARBACIA SP.	X
8147010101	ARBACIA PUNCTULATA	X
8147010201	COELOPLEURUS FLORIDANUS	X
8148	ECHINOIDEA-TEMNOPLEUROIDA	
814801	TEMNOPLEURIDAE	
8148010101	GENOCIDARIS MACULATA	X
8148010102	GENOCIDARIS AFFINIS	X
814802	TOXOPNEUSTIDAE	
8148020101	LYTECHINUS EUERCES	X
8148020102	LYTECHINUS VARIEGATUS	X
8152	ECHINOIDEA-CLYPEASTEROIDA	X
815301	CLYPEASTERIDAE	X
81530101	CLYPEASTER SP.	X
8153010101	CLYPEASTER LUTKENI	X
8153010102	CLYPEASTER CYCLOPILUS	X
8153010103	CLYPEASTER SUBDEPRESSUS	X
8153010104	CLYPEASTER RAVENELLI	X
8153010105	CLYPEASTER CHESHERI	X
8153010106	CLYPEASTER PROSTRATUS	X
815504	MELLITIDAE	
8155040201	ENCOPE ABERRANS	X

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TAXON CODE	SPECIES NAME	PRESENCE
8155040202	ENCOPE MICHELINI	X
8158	ECHINOIDEA-CASSIDULOIDA	
815801	ECHINOLAMPADIDAE	
8158010101	ECHINOLAMPAS DEPRESSA	X
8160	ECHINOIDEA-SPATANGOIDA	
816301	BRISSIDAE	
8163010101	MEOMA VENTRICOSA	X
816303	LOVENIIDAE	
81630301	ECHINOCARDIUM SP.	X
816402	SPATANGIDAE	X
8170	HOLOTHUROIDEA	X
8172	HOLOTHUROIDEA-DENDROCHIROTIDA	
817204	PHYLLOPHORIDAE	
8172040301	PENTAMERA PULCHERRIMA	X
8172040401	THYONE PAWSONI	X
817206	CUCUMARIIDAE	
8172060801	THYONELLA PERVICAX	X
8172060802	THYONELLA SABANILLAENSIS	X
8174	HOLOTHUROIDEA-ASPIDOCHIROTIDA	
817501	HOLOTHUROIDAE	X
8175010101	HOLOTHURIA PRINCEPS	X
8175010102	HOLOTHURIA SURINAMENSIS	X
817502	STICHOPODIDAE	X
8175020301	ASTICHOPUS MULTIFIDUS	X
8175020401	ISOSTICHOPUS BADIONOTUS	X
8186	CRINOIDEA	X
8189	CRINOIDEA-COMATULIDA	
819001	COMASTERIDAE	
8190010101	NEMASTER DISCOIDEA	X
8190010201	COMACTINIA MERIDIONALIS	X
8190010202	COMACTINIA ECHINOPTERA	X
819006	COLOBOMETRIDAE	
8190060101	ANALCIDOMETRA ARMATA	X
819101	ANTEDONIDAE	
8191010401	HYPALOMETRA DEFECTA	X
82	HEMICHORDATA	X
8202	PTEROBRANCHIA	
8203	PTEROBRANCHIA-RHABDOPLEURIDA	
820301	RHABDOPLEURIDAE	
8203010101	RHABDOPLEURA COMPACTA	X
83	CHAETOGNATHA	X
84	CHORDATA-UROCHORDATA	X
8401	ASCIDIACEA	X
840101	ASCIDAEAE	
8401010101	POLYCARPA OBTECTA	X
8402	ASCIDIACEA-ENTEROGONA	
8403	ASCIDIACEA-APLOUSOBRANCHIA	X

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TAXON CODE	SPECIES NAME	PRESENCE
840301	CLAVELINIDAE	
8403010102	CYSTODYTES DELLIECHIAJEI	X
8403010199	CYSTODYTES SP. 1	
84030102	CLAVELINA SP.	X
8403010202	CLAVELINA GIGANTEA	X
8403010203	CLAVELINA PICTA	
8403010297	CLAVELINA SP. 3	
8403010298	CLAVELINA SP. 2	
8403010299	CLAVELINA SP. 1	
8403010302	DISTAPLIA BERMUDENSIS	X
8403010303	DISTAPLIA STYLIFERA	
84030105	EUDISTOMA SP.	X
8403010501	EUDISTOMA CAPSULATUM	X
8403010502	EUDISTOMA TARPONENSE	
8403010597	EUDISTOMA SP. 3	
8403010598	EUDISTOMA SP. 2	
8403010599	EUDISTOMA SP. 1	
840302	POLYCLINIDAE	
84030201	AMAROUCIUM SP.	X
8403020402	POLYCLINUM CONSTELLATUM	X
84030206	APLIDIUM SP.	
8403020601	APLIDIUM PELLUCIDUM	X
8403020602	APLIDIUM BERMUDAE	X
8403020603	APLIDIUM EXILE	X
8403020604	APLIDIUM CONSTELLATUM	
8403020698	APLIDIUM SP. 2	
8403020699	APLIDIUM SP. 1	
840303	DIDEMNIDAE	
8403030102	DIDEMNUM CANDIDUM	X
8403030103	DIDEMNUM AMETHYSTEUM	
8403030204	TRIDIDEMNUM ORBICULATUM	X
8403030205	TRIDIDEMNUM SARIGNII	X
8403030297	TRIDIDEMNUM SP. 3	
8403030298	TRIDIDEMNUM SP. 2	
8403030299	TRIDIDEMNUM SP. 1	
8403030401	DIPLOSOMA MACDONALDI	X
8403030501	ECHINOCLINUM VERRILLI	X
8404	ASICIDIACEA-PHLEBOBRANCHIATA	
840405	ASCIDIIDAE	
84040501	ASCIDIA SP.	X
840408	DIAZONIDAE	
8404080101	RHOPALAEA ABDOMINALIS	
840409	RHODOSOMATIDAE	
8404090199	RHODOSOMA SP. 1	
8405	ASCIDIACEA-PLEUROGONA	
8406	ASCIDIACEA-STOLIDOBRANCHIATA	
8406010399	CNEMIDOCARPA SP. 1	

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TAXON CODE	SPECIES NAME	PRESENCE
8406010509	STYELA PARTITA	X
8406010510	STYELA PLICATA	
8406010802	POLYCARPA OBTECTA	X
8406010803	POLYCARPA CIRCUMARATA	X
8406010901	POLYANDROCARPA FLORIDANA	X
8406010902	POLYANDROCARPA TINCTA	
840602	PYURIDAE	
84060201	PYURA SP.	X
8406020102	PYURA VITTATA	X
840603	MOLGULIDAE	X
8406030109	MOLGULA OCCIDENTALIS	X
840608	STYELIDAE	
85	UROCHORDATA-CEPHALOCHORDATA	
850001	BRANCHIOSTOMIDAE	
85000101	BRANCHIOSTOMA SP.	X
8500010101	BRANCHIOSTOMA CARIBAEUM	X
850002	BOTYLLIDAE	X
87	CHORDATA-GNATHOSTOMATA I	
8701	CHONDRICHTHYES	
8713	CHONDRICHTHYES-RAJIFORMES	
871303	TORPEDINIDAE	
8713030401	NARCINE BRASILIENSIS	X
871304	RAJIDAE	
8713040113	RAJA EGLANTERIA	
8713040124	RAJA GARMANI	X
8713049999	SKATE EGG CASE	X
8717	OSTEICHTHYES	X
8740	OSTEICHTHYES-ANGUILLIFORMES	
8741	ANGUILLIFORMES	
874105	MURAENIDAE	X
8741050101	ANARCHIAS YOSHIAE	X
87410504	GYMNOTHORAX SP.	X
8741050404	GYMNOTHORAX NIGROMARGINATUS	X
8741050407	GYMNOTHORAX SAXICOLA	
874108	MURAENESOCIDAE	
87410801	HOPLUNNIS SP.	
8741080102	HOPLUNNIS MACRURUS	X
8741080103	HOPLUNNIS TENUIS	X
874112	CONGRIDAE	
87411202	ARIOSOMA SP.	X
8741120501	PARACONGER CAUDILIMBATUS	
8741121001	HILDEBRANDIA FLAVA	
874113	OPHICHTHIDAE	
8741130103	OPHICHTHUS OCELLATUS	X
8741130802	MYROPHIS PUNCTATUS	
8741130901	ECHIOPHIS INTERTINCTUS	
87411316	VERMA SP.	X

SW FLORIDA SHELF MARINE PROGRAM:
MASTER TAXON LIST FOR YEAR I STUDIES

TAXON CODE	SPECIES NAME	PRESENCE
8741131701	ICHTHYAPUS OPHIONEUS	X
8745	OSTEICHTHYES-CLUPEIFORMES	
874701	CLUPEIDAE	
8747010701	OPISTHONEMA OGLINUM	
8762	OSTEICHTHYES-MYCTOPHIFORMES	
876202	SYNODONTIDAE	
87620201	SYNODUS SP.	X
8762020101	SYNODUS FOETENS	X
8762020102	SYNODUS INTERMEDIUS	X
8762020104	SYNODUS POEYI	X
8762020106	SYNODUS SYNODUS	X
8762020301	SAURIDA BRASILIENSIS	X
8762020303	SAURIDA NORMANI	
8762020401	TRACHINOCEPHALUS MYOPS	X
8783	OSTEICHTHYES-BATRACHOIDIFORMES	
878301	BATRACHOIDIDAE	
8783010107	PORICHTHYS PLECTRODON	X
8783010203	OPSANSUS PARDUS	X
8784	OSTEICHTHYES-GOBIESOCIFORMES	
878401	GOBIESOCIDAE	
87840101	GOBIESOX SP.	X
8784010102	GOBIESOX STRUMOSUS	X
8785	OSTEICHTHYES-LOPHIIFORMES	
878601	LOPHIIDAE	
878702	ANTENNARIIDAE	X
87870202	ANTENNARIUS SP.	
8787020202	ANTENNARIUS OCELLATUS	X
8787020203	ANTENNARIUS RADIOSUS	X
878704	OGCOCEPHALIDAE	
87870401	OGCOCEPHALUS SP.	X
8787040102	OGCOCEPHALUS CUBIFRONS	
8787040105	OGCOCEPHALUS PARVUS	X
8787040106	OGCOCEPHALUS RADIATUS	X
8787040107	OGCOCEPHALUS DECLIVIROSTRIS	X
8787040108	OGCOCEPHALUS CORNIGER	X
8787040301	HALIEUTICHTHYS ACULEATUS	X
8789	OSTEICHTHYES-GADIFORMES	
879102	BREGMACEROTIDAE	
8791020101	BREGMACEROS ATLANTICUS	X
879103	GADIDAE	
87910310	UROPHYCIS SP.	
8791031002	UROPHYCIS REGIUS	X
8791031005	UROPHYCIS CIRRATUS	
8791031007	UROPHYCIS FLORIDANUS	X
879201	OPHIDIIDAE	
8792010504	LEPOPHIDIUM GRAELLSI	
8792010505	LEPOPHIDIUM JEANNAE	

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MASTER TAXON LIST FOR YEAR I STUDIES

TAXON CODE	SPECIES NAME	PRESENCE
87920106	OPHIDION SP.	X
8792010601	OPHIDION BEANI	X
8792010603	OPHIDION HOLBROOKI	X
8792010606	OPHIDION DROMIO	X
879202	CARAPIDAE	
8792020101	CARAPUS BERMUDENSIS	
88	CHORDATA-GNATHOSTOMATA II	
8802	OSTEICHTHYES-ATHERINIFORMES	
880301	EXOCOETIDAE	
8803011101	PAREXOCOETUS BRACHYPTERUS	X
8807	OSTEICHTHYES-BERYCIFORMES	
881008	HOLOCENTRIDAE	
8810080103	HOLOCENTRUS RUFUS	X
8810080501	ADIORYX BULLISI	X
8810080503	ADIORYX POCO	
8817	OSTEICHTHYES-GASTEROSTEIFORMES	
881901	AULOSTOMIDAE	
8819010101	AULOSTOMUS MACULATUS	X
882002	SYNGNATHIDAE	
8820020106	SYNGNATHUS ELUCENS	X
8820020201	HIPPOCAMPUS ERECTUS	X
8820020204	HIPPOCAMPUS REIDI	X
8820020401	CORYTHOICHTHYS ALBIROSTRIS	X
8825	OSTEICHTHYES-SCORPAENIFORMES	
882601	SCORPAENIDAE	
8826010401	NEOMERINTHE BEANORUM	X
88260105	PONTINUS SP.	
8826010505	PONTINUS RATHBUNI	X
88260106	SCORPAENA SP.	X
8826010601	SCORPAENA AGASSIZI	X
8826010602	SCORPAENA ALFIMBRIA	X
8826010605	SCORPAENA BRASILIENSIS	X
8826010606	SCORPAENA CALCARATA	X
8826010607	SCORPAENA DISPAR	X
8826010608	SCORPAENA ELACHYS	X
8826010610	SCORPAENA INERMIS	X
882602	TRIGLIDAE	
88260201	PRIONOTUS SP.	X
8826020105	PRIONOTUS ALATUS	X
8826020111	PRIONOTUS MARTIS	X
8826020113	PRIONOTUS OPHRYAS	
8826020114	PRIONOTUS PARALATUS	
8826020117	PRIONOTUS ROSEUS	X
8826020120	PRIONOTUS SALMONICOLOR	
8826020121	PRIONOTUS STEARNSI	X
8826020202	BELLATOR EGRETTA	
8826020203	BELLATOR MILITARIS	X

SW FLORIDA SHELF MARINE PROGRAM:
MASTER TAXON LIST FOR YEAR I STUDIES

TAXON CODE	SPECIES NAME	PRESENCE
8834	OSTEICHTHYES-PERCIFORMES	
883502	SERRANIDAE	
88350203	CENTROPRISTIS SP.	X
8835020304	CENTROPRISTIS OCYURUS	X
8835020408	EPINEPHELUS MORIO	X
8835020411	EPINEPHELUS NIVEATUS	X
8835021002	DIPLECTRUM FORMOSUM	X
8835021005	DIPLECTRUM BIVITTATUM	X
8835022201	SERRANICULUS PUMILIO	X
88350223	SERRANUS SP.	X
8835022301	SERRANUS ANNULARIS	X
8835022304	SERRANUS CHIONARIA	X
8835022307	SERRANUS NOTOSPILUS	X
8835022308	SERRANUS PHOEBE	X
8835022309	SERRANUS SUBLIGARIUS	X
8835022310	SERRANUS TABACARIUS	X
8835022311	SERRANUS TIGRINUS	X
8835022312	SERRANUS TORTUGARUM	X
8835022801	SHULTZEA BETA	X
8835022901	HYPOPLECTRUS PUELLA	X
8835023001	LIOPROPOMA EUKRINES	X
883503	GRAMMISTIDAE	
8835030202	RYPTICUS BISTRISPINUS	X
8835030204	RYPTICUS MACULATUS	X
8835030301	PSEUDOGRAMMA BERMUDENSIS	X
883517	PRIACANTHIDAE	
8835170101	PRIACANTHUS ARENATUS	X
8835170201	PRISTIGENYS ALTA	X
883518	APOGONIDAE	
88351801	APOGON SP.	X
8835180104	APOGON AUROLINEATUS	X
8835180107	APOGON MACULATUS	X
8835180108	APOGON PIGMENTARIUS	X
8835180110	APOGON PSEUDOMACULATUS	X
8835180111	APOGON QUADRISQUAMATUS	
8835180112	APOGON STELLATUS	X
8835180114	APOGON PILLIONATUS	X
8835180201	ASTRAPOGON ALUTUS	
8835180301	CHEILODIPTERUS AFFINIS	X
8835180501	PHAEOPTYX CONKLINI	
8835180503	PHAEOPTYX PIGMENTARIA	X
883522	BRANCHIOSTEGIDAE	
8835220103	CAULOLATILUS INTERMEDIUS	
883528	CARANGIDAE	
8835280102	TRACHURUS LATHAMI	
8835280401	CHLOROSCOMBRUS CHRYSURUS	
8835281202	DECAPTERUS PUNCTATUS	X

SW FLORIDA SHELF MARINE PROGRAM:
MASTER TAXON LIST FOR YEAR I STUDIES

TAXON CODE	SPECIES NAME	PRESENCE
883536	LUTJANIDAE	
8835360102	LUTJANUS GRISEUS	X
8835360112	LUTJANUS SYNAGRIS	X
8835360501	RHOMBOPLITES AURORUBENS	X
8835360701	PRISTIPOMOIDES AQUILONARIS	X
883539	GERREIDAE	
88353901	EUCINOSTOMUS SP.	
8835390102	EUCINOSTOMUS GULA	
883540	POMADASYIDAE	
8835400101	HAEMULON AUROLINEATUM	X
8835400102	HAEMULON PLUMIERI	X
8835400116	HAEMULON STRIATUM	X
8835400201	ORTHOPRISTIS CHRYSOPTERA	X
883543	SPARIDAE	
8835430201	LAGODON RHOMBOIDES	
8835430503	CALAMUS CALAMUS	X
883544	SCIAENIDAE	
8835441202	EQUETUS LANCEOLATUS	X
8835441206	EQUETUS UMBROSUS	X
883545	MULLIDAE	
8835450201	MULLUS AURATUS	
8835450301	PSEUDUPENEUS MACULATUS	X
883555	CHAETODONTIDAE	
8835550101	CHAETODON OCELLATUS	X
8835550107	CHAETODON SEDENTARIUS	X
8835550201	CENTROPYGE ARGI	X
8835550301	HOLACANTHUS CILIARIS	
8835550303	HOLACANTHUS TRICOLOR	X
8835550304	HOLACANTHUS BERMUDENSIS	X
8835550501	PROGNATHODES ACULEATUS	X
883562	POMACENTRIDAE	
8835620301	CHROMIS CYANEUS	X
8835620302	CHROMIS ENCHRYSURUS	X
8835620305	CHROMIS SCOTTI	X
8835620505	EUPOMACENTRUS VARIABILIS	X
8835620506	EUPOMACENTRUS PARTITUS	X
883601	MUGILIDAE	
88360101	MUGIL SP.	X
883901	LABRIDAE	
8839010401	CLEPTICUS PARRAI	X
88390107	HALICHOERES SP.	
8839010703	HALICHOERES CAUDALIS	X
8839010707	HALICHOERES PICTUS	
8839010708	HALICHOERES POEYI	X
883903	SCARIDAE	
88390301	SCARUS SP.	X
8839030201	CRYPTOTOMUS ROSEUS	X

SW FLORIDA SHELF MARINE PROGRAM:
MASTER TAXON LIST FOR YEAR I STUDIES

TAXON CODE	SPECIES NAME	PRESENCE
8839030401	SPARISOMA ATOMARIUM	X
8839030404	SPARISOMA RADIANS	
884002	OPISTOGNATHIDAE	
8840020102	LONCHOPISTHUS LINDNERI	
8840020103	LONCHOPISTHUS MICROGNATHUS	
88400202	OPISTOGNATHUS SP.	X
8840020201	OPISTOGNATHUS LONCHURUS	X
884013	DACTYLOSCOPIDAE	
8840130201	DACTYLOSCOPUS TRIDIGITATUS	X
8840130202	DACTYLOSCOPUS POEYI	X
884014	URANOSCOPIDAE	
8840140301	KATHETOSTOMA ALBIGUTTA	X
884201	BLENNIIDAE	
8842010101	BLENNIUS MARMOREUS	X
8842010502	HYPLEUROCHILUS BERMUDENSIS	X
884209	CLINIDAE	
8842090203	EMBLEMARIA PIRATULA	X
8842090304	LABRISOMUS GUPPYI	X
88420906	STARKSIA SP.	X
8842090603	STARKSIA LEPICOELIA	
88420907	CHAENOPSIS SP.	
8842090701	CHAENOPSIS ROSEOLA	X
884601	CALLIONYMIDAE	
8846010102	CALLIONYMUS BAIRDI	X
8846010103	CALLIONYMUS PAUCIRADIATUS	X
884701	GOBIIDAE	
8847010202	CORYPHOPTERUS DICRUS	X
8847010508	GOBIONELLUS SAEPEPALLENS	X
8847010604	GOBIOSOMA MACRODON	X
8847010605	GOBIOSOMA OCEANOPS	
8847010606	GOBIOSOMA LONGIPALA	
8847011501	RISOR RUBER	X
88470116	BOLLMANNIA SP.	X
8847011601	BOLLMANNIA COMMUNIS	
88470117	CHRIOLEPIS SP.	X
8847040102	VARICUS MARILYNAE	X
885103	STROMATEIDAE	
8851030102	PEPRILUS PARU	X
8855	OSTEICHTHYES-PLEURONECTIFORMES	
885703	BOTHIDAE	
88570301	CITHARICHTHYS SP.	
8857030106	CITHARICHTHYS CORNUTHUS	
8857030108	CITHARICHTHYS GYMNORHINUS	X
8857030109	CITHARICHTHYS MACROPS	X
8857030201	ETROPUS CROSSOTUS	
8857030204	ETROPUS RIMOSUS	
8857030503	ANCYLOPSETTA DILECTA	

SW FLORIDA SHELF MARINE PROGRAM:
MASTER TAXON LIST FOR YEAR I STUDIES

TAXON CODE	SPECIES NAME	PRESENCE
8857030603	BOTHUS OCELLATUS	X
8857030604	BOTHUS ROBINSI	X
8857030802	CYCLOPSETTA FIMBRIATA	X
8857031001	GASTROPSETTA FRONTALIS	X
88570313	SYACIUM SP.	
8857031301	SYACIUM GUNTERI	X
8857031303	SYACIUM PAPILLOSUM	X
885801	SOLEIDAE	
8858010301	GYMNACHIRUS MELAS	X
8858010303	GYMNACHIRUS TEXAE	
885802	CYNOGLOSSIDAE	
88580201	SYMPHURUS SP.	X
8858020101	SYMPHURUS PLAGIUSA	
8858020103	SYMPHURUS DIOMEDIANUS	X
8858020105	SYMPHURUS MINOR	X
8858020110	SYMPHURUS UROSPILUS	X
8859	OSTEICHTHYES-TETRAODONTIFORMES	
886002	BALISTIDAE	X
8860020101	ALUTERUS SCHOEPFI	X
8860020104	ALUTERUS SCRIPTUS	X
8860020201	BALISTES CAPRISCUS	
88600207	MONACANTHUS SP.	X
8860020701	MONACANTHUS CILIATUS	X
8860020703	MONACANTHUS HISPIDUS	X
8860020704	MONACANTHUS SETIFER	X
886003	OSTRACIIDAE	
8860030104	LACTOPHYRS QUADRICORNIS	X
8860030202	ACANTHOSTRACION POLYGONIUS	X
886101	TETRAODONTIDAE	
88610102	SPHOEROIDES SP.	
8861010205	SPHOEROIDES DORSALIS	X
8861010211	SPHOEROIDES SPENGLERI	X
8861010401	CANTHIGASTER ROSTRATA	X
886103	DIODONTIDAE	
8861030101	CHILOMYCTERUS SCHOEPFI	X
8861030202	DIODON HOLOCANTHUS	X
8939030301	NICHOLSINA USTA	
99900000	SAND	X
99900001	RUBBLE	X
9990000101	SHELL RUBBLE	X
9990000102	ALGAL RUBBLE	X
99900002	ROCK	X
99900003	REEF ROCK	X

APPENDIX B-6 LIST OF FISHES AND INVERTEBRATES COLLECTED BY TRAWL AT SOFT BOTTOM STATIONS DURING THE FALL (1980) AND SPRING (1981) CRUISES

List of Soft-Bottom Epifauna and Fish Species Collected from the Southwest Florida Shelf for the Fall (F) 1980 and Spring (S) 1981 Cruises.

SPECIES	STATION:	2		4		5		6		8		12		14		16		18		20		22		24		25		26		28		TOTAL/ CRUISE	
	CRUISE:	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
PORIFERA																																	
CLATHRINIDAE																																	
Coriacea sp.																						1										1	
CALCAREA-CALCINEA-LEUCETTIDA																																	
?Leucetta sp.				1																												1	
CALCAREA-CALCARONEA-LEUCOSOLENID																																	
Leucosolenia sp. 2				1																												1	
SPONGIIDAE																																	
Spongia sp.						1										1				2												4	
Hyatella intestinalis																1												1				2	
Hyatella lachne																													1			1	
Ircinia campana																						1					1				1	1
Ircinia strobilina																1	1					1						1	1	3	2		
Iricinia felix																										1						1	
DYSIDEIDAE																																	
Dysidea fragilis														1								1										1	1
?Dysidea fragilis																																	
Dysidea sp. 1																						1								1	1	1	1
Dysidea sp. 2				1						1												1						1		2		2	
?Euryspongia rosea																												1		1			
APLYSINIDAE																																	
Aplysinia fistularis forma fistularis																1		1														2	
Aplysina fistularis forma fulva						1																										1	
Ailochroia crassa																				1			1						1			3	
Demospongea-Keratosa-Dendroceratida																																	
DARWINELLIDAE																																	
Chelonaplysilla sp.												1																		1		2	
Igernella notabilis				1																												1	
Demospongea-Haplosclerida																																	
HALICLONIDAE																																	
Haliclona compressa														1		1				1			1			1			1			2	4
Gellius sp.							1																										1
HALICLONIDAE (UNIDENTIFIED)										1			1										1										3
ADOCIIDAE																																	
?Pellina carbonaria						1																										1	
ADOCIIDAE (UNIDENTIFIED)																						1								1		2	
ADOCIIDAE (UNIDENTIFIED) sp. 3																																	

List of Soft-Bottom Epifauna and Fish Species Collected from the Southwest Florida Shelf for the Fall (F) and Spring (S) Cruises.

SPECIES	STATION:	2		4		5		6		8		12		14		16		18		20		22		24		25		26		28		TOTAL/ CRUISE	
	CRUISE:	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
PORIFERA																																	
EURYPONIDAE																																	
Thalyseurypon sp. 1						1																											1
?Thalyseurypon sp. 2										1																						1	
Demospongea-Hadromerida																																	
SPIRASTRELLIDAE																																	
?Timea sp.					1					1							1														2	1
Spirastrella coccinea			1		1						1					1	1					1							2		5	3
Anthosigmella varians			1					1						1		1	1					1									2	4
Anthosigmella? varians																																	
Timea? mixta																																	
Spheciospongia vesparium																										1						1	
TETHYIDAE																																	
Tethya actinia																							1										1
Tethya sp.						1																											1
Hadromerida					1																											1	
PLACOSPONGIIDAE																																	
Placospongia melobesioides										1																							1
STYLOCORDYLIDAE																																	
Stylocordyla? longissima												1																					1
Demospongea-Epipolasida																																	
SOLLASELLIDAE																																	
?Epipolasis sp.					1															1		1									1	2
COPPATIIDAE																																	
Jaspis sp. 1					1																											1	
Jaspis sp. 2																1				1												1	1
?Jaspis sp. 6																																	
Epipolasida																																	
Demospongea-Choristida																																	
ANCORINIDAE																																	
Myriastra? crassispicula																1																1	
GEODIIDAE																																	
Geodia neptuni																				1								1				2	
?Erylus sp.								1														1								1		3	
Geodia gibberosa																													1			1	
Erylus formosus																1													1			2	
?Erylus sp. 3																													1	1		1	1

List of Soft-Bottom Epifauna and Fish Species Collected from the Southwest Florida Shelf for the Fall (F) and Spring (S) 1981 Cruises.

SPECIES	STATION: 2		4		5		6		8		12		14		16		18		20		22		24		25		26		28		TOTAL/ CRUISE	
	CRUISE: F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
PORIFERA																																
NEPHELIOSPONGIIDAE																																
Xestospongia sp.															1		1				1								1		4	
Haplosclerida (unid.)					1				1						1															1	2	
Demospongea-Poecilosclerida																																
MYCALIDAE (UNIDENTIFIED)															1																	1
TEDANIIDAE																																
Lissodendoryx isodictyalis															1						1										2	
Lissodendoryx sp.																													1		1	
?Forcepia sp.															1	1					1								1		3	1
Iotrochota birotulata																					1	1									1	1
TEDANIIDAE (UNIDENTIFIED)															1							1									1	1
MICROCIONIDAE																																
Microciona? microchela					1	1																									1	1
Microciona sp. 2					1																										1	
Microciona sp.						1			1												1	1						1		2	3
?Microciona sp.																																
Thalysias? juniperina					1	1											1														1	2
MYCALIDAE																																
Mycale sp.					1	1																									1	1
Neofibularia notitangere																							1								1	
?Toxemma sp.																													1		1	
Unid. Mycalidae						1						1			1														1		2	2
MYSILLIDAE																																
Myxillidae (unid.)					1																										1	
MICTOCIONIDAEL (UNIDENTIFIED)																																
HYMEDESMIIDAE																																
Hymedesmia sp.																			1			1							1			3
DESMACELLIDAE																																
Biemna sp.									1																							1
Biemna sp. 3																					1										1	
BUBARIDAE																																
Bubaris sp.																													1			1
Bubaris sp. 6																							1								1	
Poecilosclerida (unid.)						1																										1
Demospongea-Halichondriida																																
HALICHONDRIIDAE																																
HALICHONDRIIDAE (UNIDENTIFIED)																																
Demospongea-Axinellida																																
AXINELLIDAE																																
Axinella polycapella														1																		1

List of Soft-Bottom Epifauna and Fish Species Collected from the Southwest Florida Shelf for the Fall (F) and Spring (S) 1981 Cruises.

SPECIES	STATION:	2		4		5		6		8		12		14		16		18		20		22		24		25		26		28		TOTAL/ CRUISE	
	CRUISE:	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
PORIFERA																																	
CRANIELLIDAE																																	
Cinachyra kuekenthali																														1		1	
Cinachyra alloclada																		1				1								1	1	2	
CHONDRILLIDAE																																	
Chondrillidae																						1									1		
CHONDROSIIDAE																																	
Chondrosia sp. 1																		1														1	
ANTHROPODA																																	
CIROLANIDAE																																	
Cirolana albida																																	
SQUILLIDAE																																	
Squilla empusa																									36						36		
Squilla grenadensis																						2									2		
Squilla rugosa								29	30																						29	30	
Squilla cf. deceptrix										9	3	6						14						12							15	29	
Squilla sp.									30		3									1				10								44	
Meiosquilla quadrideus																													1		1		
PSEUDOSQUILLIDAE																																	
Parasquilla sp.												3												1							3	1	
GONODACTYLIDAE																																	
Gonodactylus bredini																				1												1	
PENAEIDAE																																	
Penaeus duorarum	4							26	8		1													4	26	2	4	3	8	8	68	26	
Metapenaeopsis goodei	1		2					174	1	40	61			13		1	12											112	18		249	186	
Trachypeneus constrictus								7						5													8				20		
Trachypenaeus similis																											176				176		
Trachypenaeus sp.			2					215		35															1		4		1		258		
SOLENOCERIDAE																																	
Solenocera atlantidis			2						342	106	154	4				307	9				86		1				2	1	154	364	804	
Solenocera sp.			2							52		9	12				12												6	93		
Mesopenaeus tropicalis						1						7					11							98						18	99	
SICYONIIDAE																																	
Sicyonia brevirostris	1							35	11	11	35			21		22	1				2			3		3	3	2	4	8	78	84	
Sicyonia dorsalis																										27		133				160	
Sicyonia typica								1	1											5				1	1		26				33	1	
Sicyonia sp.									12		23					16										31		37		8		127	
PASIPHAEIDAE																																	
Leptochela serratorbita								1												2											3		
Leptochela papulata												2																			2		

Continued. List of Soft-Bottom Epifauna and Fish Species Collected from the Southwest Florida Shelf for the Fall (F) 1980 and Spring (S) 1981 Cruises.

SPECIES	STATION: 2		4		5		6		8		12		14		16		18		20		22		24		25		26		28		TOTAL/CRUISE	
	CRUISE F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
ARTHROPODA																																
PARTHENOPIDAE																																
Mesorhoea sexspinosa													1																		1	
Parthenope agona									6	1					15	4	1						3	1					1		9	23
Parthenope granulata							3	1	1			1			6				1								2				2	13
Parthenope pourtalesii									1																							1
Parthenope serrata																											2				2	
Parthenope sp.									3																							3
MAJIDAE																																
Aepinus septenospinosus																					1										1	
Anasimus latus																	1										15	3			15	4
Coelocerus spinosus																					1										1	
Collodes trispinosus					1				1		2		1				2						1								4	4
Heterocrypta granulata																			2												2	
Euprognatha rastellifera marthae											1																				1	
Inachoides forceps																			4												4	
Metoporhaphis calcarata																										2						2
Microphrys antillensis									1												1										1	1
Microphrys bicornatus																					1											1
Microphrys sp.									1																						1	
Mithrax pleuroacanthus															2																	2
Mithrax sp.													1								1								1		3	
Pitho sp.													2																		2	
Podochela gracilipes									7		1		4				1				2								2		16	2
Podochela lamelligera					7	5				1	5				1		2					2	1	1							14	12
Podochela riisei																			3												3	
Podochela sidneyi										1												2		1		1		1				6
Podochela sp.					7				7		11								7		2										34	
Stenocionops furcata coelata										1					2		1					2							1	2	3	10
Stenocionops spinimana					4	1					2				3	1															7	4
Stenocionops sp.						1				1																						2
Stenorynchus seticornis			7				1		3		3				2	11	1				1	4							4	1	15	23
Stenorynchus sp. A			1		26	1	1		3	3	3	2		1	7	1	1							1						2	42	11
Speleophurus pontifer																			2												2	

List of Soft-Bottom Epifauna and Fish Species Collected from the Southwest Florida Shelf for the Fall (F) 1980 and Spring (S) 1981 Cruises.

SPECIES	STATION:	2		4		5		6		8		12		14		16		18		20		22		24		25		26		28		TOTAL/ CRUISE	
	CRUISE:	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
ARTHROPODA																																	
FAMILY ALPHEIDAE																																	
Alpheus floridanus																												6				6	
Alpheus normanni																						1										1	
Alpheus sp.																1				2						2		12				16	1
Synalpheus hemphilli						8																		1								9	
Synalpheus townsendi					1						2					3	1									6						9	4
Synalpheus pandidnis																						1										1	
Synalpheus sp.																						1				1						2	
PALAEMONIDAE																																	
Anchestioides antiquensis																1	2															1	2
Periclimenes caraibicus																										1						1	
Periclimenes pedersoni										3	2						2													3		6	4
Periclimenes schmitti																										1						1	
Periclimenes cf. harringtoni																														1		1	
Periclimones sp.																														4		4	
HIPPOLYLIDAE																																	
Tozeuma serratum			1		3		1		1	6	1				5	2	1				2											14	8
Trachycaris restrictus									11																							11	
PROCESSIDAE																																	
Processa bermudensis								2																								2	
Processa hemphilli																														1		1	
Processa tenuipes								4		16		174				17	59							38						13		266	55
Processa vicina			7							10	36					61				1										28		46	97
Processa sp.																											1	6				6	1
Nikoides schmitti																						1						3		42		46	
PANDALIDAE																																	
Pantomus parvulus						1						5																				6	
SCYLLARIDAE																																	
Scyllarides nodifer				2			1									1	3					1	1									2	7
Scyllarus americanus						5															1											5	1
Scyllarus chacei										5	15					2	4					1	5					13	2	2	1	23	27
Scyllarus faxoni																	1						2										3
Scyllarus sp.						5		6			15					3	6															14	21
DIOGENIDAE																																	
Dardanus insignis						1																		1								1	1
Diogenid sp.																								2	1							2	1
Petrochirus diogenes												1																				1	

List of Soft-Bottom Epifauna and Fish Species Collected from the Southwest Florida Shelf for the Fall (F) 1980 and Spring (S) 1981 Cruises.

SPECIES	STATION:	2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	TOTAL/ CRUISE	
	CRUISE:	F S	F S	F S	F S	F S	F S	F S	F S	F S	F S	F S	F S	F S	F S	F S	F	S
ARTHROPODA																		
PAGURIDAE																		
Agaricochirus sp.			2	10			6		1	1							18	2
Anisopagurus sp.						3		2	2					1		3		11
Paguristes sp. A													1				1	
Pagurid sp.		2		1		1		1	1	1	1						4	4
Petrochirus diagenes							1			2		1					4	
Processa hemphilli																1	1	
Pardanus fucosus														1			1	
Paguristes rectifrons												1				2	3	
Petrochirus sp.												1					1	
GALATHEIDAE																		
Galathea rostrata						2	1 1		1			1	4			1	5	6
Munida pusilla							6										6	
Munida simplex			170	1			230		1				2			5	405	4
Munida sp.									1							2	3	
PORCELLONIDAE																		
Porcellana sigsbeiana							2						1	2			3	2
Porcellana sayana		1												2			3	
DROMIIDAE																		
Dromidia antillensis			3	1	1	4			2	6							7	11
Dromida sp.				1												1	2	
Hypochoncha spinosissima				2												1	3	
Hypochoncha sp.				1					1								2	
RANINIDAE																		
Ranilia constricta				1									1	1			2	1
Raninoides loevis						1		2							1 1		3	2
Raninoides sp.								2							1		2	1
HOMOLIDAE																		
Homola barbata				1													1	
DORIPPIDAE																		
Dorippid sp.					1													1
Ethusa mascarone americana						1		1		1							1	2
Eutnusa microphthalma				3									4				7	
Ethusa tenuipes																1	1	
Ethusa sp.				7													7	
GONAPLACIDAE																		
Speocarcinus lobatus					1												1	

List of Soft-Bottom Epifauna and Fish Species Collected from the Southwest Florida Shelf for the Fall (F) 1980 and Spring (S) 1981 Cruises.

SPECIES	STATION:	2		4		5		6		8		12		14		16		18		20		22		24		25		26		28		TOTAL/ CRUISE	
	CRUISE:	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
ARTHROPODA																																	
CALAPPIDAE																																	
Calappa flamea								4		2																						6	
Calappa sulcata						3																						1				3	1
Calappa sp.														1																			1
Hepatus epheliticus																										2		7	3			9	3
Hepatus sp.																													2				2
Osachila semilevis											1																						1
Osachila tuberosa						2						2																				4	
LEUCOSIIDAE																																	
Iliacantha sparsa																2																	2
Iliacantha subglobosa										1						3						1				3						1	7
Iliacantha sp.																		3														3	
Persephona subaovata																		2						1								3	
Persephona sp.																												1					1
Spelcophorus pontifer																																	
PORTUNIDAE																																	
Portunus gibbesii		12	12					83	12		1			2												2						99	25
Portunus depressifrons															1						1												2
Portunus ordwayi		1						38			7			3														1		1		44	7
Portunus spinicarpus						1	3	15		2	31	31						1				3		14				47	34	4		118	68
Portunus spinimanus		2		4	2	3		38	3	10				8	3								3			17		15	1	4		101	12
Portunus sp.			12		2	2	3	6	15	3	65	2			4		19				2		2		35		2		35			13	196
XANTHIDAE																																	
Xanthidae (unid.)										2							1															2	1
Carpoporus papulosus						4						2	1				2															6	3
Lobopilumnus agassizi											1				1					2												2	2
Micropanope sp.																						1										1	
Pilumnus floridanus								3							3							5								3		11	3
Pseudomedaeus agassizi								1									1															1	1
Pilumnus sayi																	3																3
Pilumnus sp.								3		1																						4	
GONEPLACIDAE																																	
Glytoplax smithii																												1				1	
Frevillea barbata																				1												1	
PALICIDAE																																	
Palicus sp.						11	1	1			5						3							1								13	9

List of Soft-Bottom Epifauna and Fish Species Collected from the Southwest Florida Shelf for the Fall (F) 1980 and Spring (S) 1981 Cruises.

SPECIES	STATION:	2		4		5		6		8		12		14		16		18		20		22		24		25		26		28		TOTAL/ SPECIES	
	CRUISE:	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
ANTHROPODA																																	
STENOPODIDAE																																	
Stenopus cf. scultellatus																2						1								1		4	
Stenopus sp.				1																2												3	
MOLLUSCA																																	
TROCHIDAE																														1		1	
Calliostoma marionae																																	
Calliostoma sp. nr. euglyptum										1																						1	
Calliostoma sp.										1																						1	
XENOPHOTIDAE																																	
Tugurium caribaeum												1																					1
STROMIBIDAE																																1	
Crepidula sp.																						1											
Strombus alatus																										5							5
CASSIDAE																																3	
Distorsio clathrata						1						1						1															
TONNIDAE																																	
Tonna maculosa																1																	1
MARGINELLIDAE																																	
Hyalina cf. avena																1																	1
Marginella sp. nr. amabilis																1																1	
MURICIDAE																																	
Murex cabritii						3				1						1		1														6	
Murex recurvirostris																1																1	
Mures florifer dilectus							1																										1
COLUMBELLIDAE																																	
Anachis nr. semiplicata						1																										1	
BUCCINIDAE																																	
Colubraria lanceolata																	1																1
FASCIOLARIIDAE																																	
Fasciolaria lilium tortugana						1																										1	
Fasciolaria tulipa																1																1	
Fusina timessus																		1												1		1	1
Fusinus eucosmius						3										1																4	

List of Soft-Bottom Epifauna and Fish Species Collected from the Southwest Florida Shelf for the Fall (F) 1980 and Spring (S) 1981 Cruises.

SPECIES	STATION: 2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	TOTAL/SPECIES
	CRUISE: F S	F S	F S	F S	F S	F S	F S	F S	F S	F S	F S	F S	F S	F S	F S	F S
MOLLUSCA																
OLIVIDAE																
Oliva sayana					1		1									2
Oliva reticularis				1												1
CONIDAE																
Conus floridanus floridanus						1										1
Conus sp. cf. delessertii									1							1
TURRIDAE																
Cochlespira radiata									1							1
Polystira albida								3			1				1	5
CYLICHNIDAE																
Scaphander cf. watsoni												1				1
PLEUROBRANCHIDAE																
Pleurobranchaea hedgpethi													15	15		30
PECTINIDAE																
Aequipecten muscosus								1			3				1	5
Argopecten gibbus				1	13			4						141	1	1 159
Astropecten sp.	6						8						2			16
ANOMIIDAE																
Anomia simplex														1		1
LIMIDAE																
Lima locklini								2								2
CHAMIDAE																
Areinella sp.														1		1
CARDIIDAE																
Nemocardium sp. cf. tinctum									1						1	
N. cf. transversum Laevicardium pictum					8			24						5	1	38
TELLIDAE																
Tellina sp.														1		1
CORBULIDAE																
Varicorbula operculata														9		9
SEPIOLIDAE																
Semirossia tenera		1	23			1						2			27	
Semirossia sp.		2	1		3											6

List of Soft-Bottom Epifauna and Fish Species Collected from the Southwest Florida Shelf for the Fall(F) 1980 and Spring (S) 1981 Cruises.

SPECIES	STATION:	2		4		5		6		8		12		14		16		18		20		22		24		25		26		28		TOTAL/ CRUISE	
	CRUISE:	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
MOLLUSCA																																	
LOLICINIDAE																																	
Loligo (Doryteuthis) plei										1	16											7				6	4	4		4	1	22	21
OCTOPODIDAE																																	
Octopus vulgaris								1		2						2						1										6	
Octopus joubini										1	2					6							1							1		8	3
Octopus defilippi																							2										2
ECHINODERMATA																																	
CLASS ASTEROIDEA																																	
Astropecten spp.								5						13								2						1		4		25	
Echinaster spp.		1	1	19	17	6	7	1		15	15	1	2	3	5	14		1		1	11	4	2				1	4	11	64	78
Luida clathrata																												8				8	
Luidia alternata							2																									2	
Astropecten sp.		6												8												2							16
Odontaster sp.																1																	1
Tosia sp.						2																											2
Oreaster sp.																				1													1
Anthenoides piercei					1	1			24	43	3					4		2					3	8				20			31	78
GONIASTERIDAE																																	
Goniaster tesselalatus																1																1	
Ophiomyxa sp.																														2		2	
OPHIOTHRICIDAE																																	
Ophiothrix angulata																														2		2	
Ophiothrix suensoni																														1		1	
OPHIUROID (UNIDENTIFIED)				2		2										11		4		2		3		1					3		28	
CLASS ECHINOIDEA																																	
Stylocidaris affinis			2		23	19						10	5				2	4					4						1		42	28
Genocidaris affinis					1																											1	
Genocidaris maculata										3	18					2	1						4	1							24	5
Arbacia punctulata																2															2	
Diadema antillarum																1	1														1	1
Eucidaris tribuloides				1												2				1		2									3	3
Lytechinus variegatus																4															4	
Encope mitchelini	41	143																													41	143
HOLOTHUROIDEA (UNIDENTIFIED)												1						1						2								4
CRINOIDEA (UNIDENTIFIED)						23							9																			32
CHORDATA																																	
CLASS ASCIDAEAE																																	
Polyearpa obtecta				3	98	6						1				43	3	4	3			8		32	14					7	17	193	46

List of Soft-Bottom Epifauna and Fish Species Collected from the Southwest Florida Shelf for the Fall (F) 1980 and Spring (S) 1981 Cruises.

SPECIES	STATION:	2		4		5		6		8		12		14		16		18		20		22		24		25		26		28		TOTAL/ CRUISE	
	CRUISE:	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
FISH																																	
RAJIDAE																																	
Raja eglanteria				1																												1	
MURAENIDAE																																	
Gymnothorax saxicola					2	4				5	2	1				11	1	3				5	15	2	3	1		1	2	6	4	39	30
NETTASTOMATIDAE																																	
Hoplunnis sp.																1																1	
Hoplunnis tenuis												7						2							3							9	3
CONGRIDAE																																	
Hildebrandia flava												1																				1	
Paraconger caudilimbatus																	1																1
OPHICHTHIDAE																																	
Echiophis intertinctus										1																						1	
Myrophis punctatus								1																								1	
CLUPEIDAE																																	
Opisthonema oglinum																										2						2	
SYNODONTIDAE																																	
Saurida brasiliensis						3																					6					3	6
Saurida normani					10							11	7					11	4					2	1							24	22
Synodus sp.																							3								7		10
Synodus foetens		2	1	107	191	1	7	1	7				55	8	20	32	2	1	42		5		1	43			11		2	3		293	249
Synodus intermedius			1	4	3				3	1	4	6				6	3	4	5				7	52	2					2	6	75	34
Synodus poeyi	1																								2							3	
Trachinocephalus myops				1	3		1							3		4	1	1			4			2							1	14	7
BATRACHOIDIDAE																																	
Porichthys plectrodon							3	1		1							1					5				7	10	2	10			17	23
LOPHIIDAE																																	
Lophiidae species A													1																				1
Lophiidae species B													1																				1
ANTENNARIDAE																																	
Antennarius ocellatus																2						1	1								1	3	2
Antennarius radiosus											1														1								2
OGCOCEPHALIDAE																																	
Halieutichthys aculeatus					2	3	4			3	8	5	1			2	1	3	1			2	1	9	10			1		4	2	32	30
Ogcocephalus corniger				1		1								1										2	2					1	1	6	3
Ogcocephalus parvus					2	1				1	2								1				1	10	9					2	8	14	23
BREGMACEROTIDAE																																	
Bregmaceros atlanticus																												3				3	

List of Soft-Bottom Epifauna and Fish Species Collected from the Southwest Florida Shelf for the Fall (F) 1980 and Spring (S) 1981 Cruises.

SPECIES	STATION:	2		4		5		6		8		12		14		16		18		20		22		24		25		26		28		TOTAL/ CRUISE	
	CRUISE:	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
FISH																																	
GADIDAE																																	
Urophycis sp.																	3					2										5	
Urophycis cirrata																	1															1	
Urophycis floridana				1							1					1	1														1	3
Urophycis regius					2																										2	
OPHIIDAE																																	
Lepophidium graellsi												11												7	1		9	42			21	49
Lepophidium jeannae								1	5		2						1					1									2	8
Ophidion holbrooki								5	6			3					1	3						2							11	9
CARAPIDAE																																	
Carapus bermudensis												1						1													2	
HOLOCENTRIDAE																																	
Holocentrus bullisi										1	1																			1		2	1
SYNGNATHIDAE																																	
Hippocampus sp.																								1								1	
Hippocampus erectus		1			1		1				1	1	3			7	1		2			2		6	1					2	4	19	14
Syngnathus elucens																1															1	1	1
SERRANIDAE																																	
Centropristis ocyurus				11	58	102	1			2	6	2	8			26	19	2	4				8		7					5	29	150	140
Diplectrum bivittatum								30		3				7								1		12		66	4	7	8			126	12
Diplectrum formosum		6	1	1				54	26	3					23	1	2			7	1	1				12					1	78	61
Serraniculus pumilio								5																								5	
Serranus phoebe					7					3	3					16	1					2						1	6		25	14
Serranus subligarius								2																							2	
GRAMMISTIDAE																																	
Rypticus bistrispinus				1												5	1					3	3							3	3	12	7
PRIACANTHIDAE																																	
Pristigenys alta																														1		1	
APOGONIDAE																																	
Apogon aurolineatus								2		14												8						6		6		36	
Apogon pseudomaculatus										27	35	2				3												1	2	10		43	37
Apogon quadrisquamatus																						1	1									1	1
Apogon sp.																																2	
Astrapogon alutus								2																									
Phaeoptyx conklini											2																						2

List of Soft-Bottom Epifauna and Fish Species Collected from the Southwest Florida Shelf for the Fall (F) 1980 and Spring (S) 1981 Cruises.

SPECIES	STATION: 2		4		5		6		8		12		14		16		18		20		22		24		25		26		28		TOTAL/ CRUISE	
	CRUISE: F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
MALACANTHIDAE																																
Caulolatilus intermedius											1																					1
CARANGIDAE																																
Chloroscombrus chrysurus																									11		7		1		19	
Decapterus punctatus																													8		8	
Trachurus lathami											3																			38		41
LUTJANIDAE																																
Lutjanus synagris							1																		1						2	
Rhomboplites aurorubens																											3				3	
GERREIDAE																																
Eucinostomus gula																									8						8	
Eucinostomus sp.																									9						9	
HAEMULIDAE																																
Haemulon aurolineatum							4		3	1															2		11	3			20	4
SPARIDAE																																
Unidentified sparid																										2						2
Lagodon rhomboides																	1								17						18	
SCIAENIDAE																																
Equetus lanceolatus	2		1						1				1			1											1		4		9	2
Equetus umbrosus							1			1																			1		2	1
MULLIDAE																																
Mullus auratus															1							1									1	1
CHAETODONTIDAE																																
Chaetodon ocellatus							1																								1	
POMACANTHIDAE																																
Holacanthus ciliaris																					1										1	
POMACENTRIDAE																																
Chromis scotti										1					6							2									6	3
LABRIDAE																																
Halichoeres sp.									2						1																3	
Halichoeres pictus											1																					1
SCARIDAE																																
Cryptotomus roseus															20																20	
Nicholsina usta															24																24	
Sparisoma sp.																													1		1	
OPISTOGNATHIDAE																																
Lonchopisthus micrognathus																									1		4				4	1
DACTYLOSCOPIDAE																																
Dactyloscopus tridigitatus																				1												1

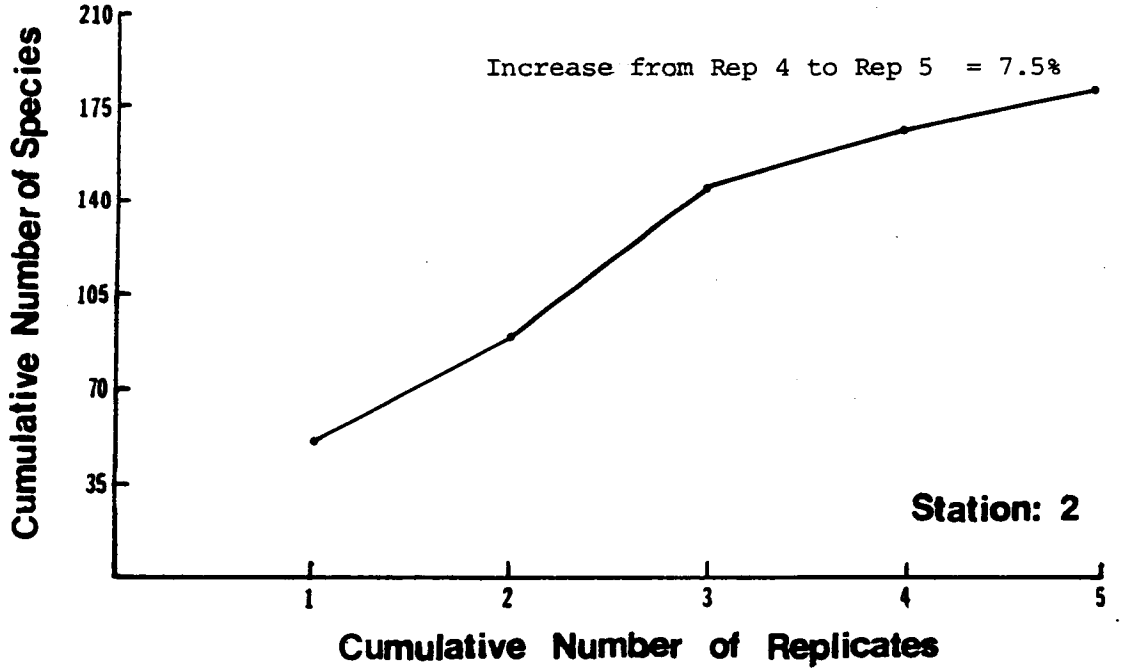
List of Soft-Bottom Epifauna and Fish Species Collected from the Southwest Florida Shelf for the Fall (F) 1980 and Spring (S) 1981 Cruises.

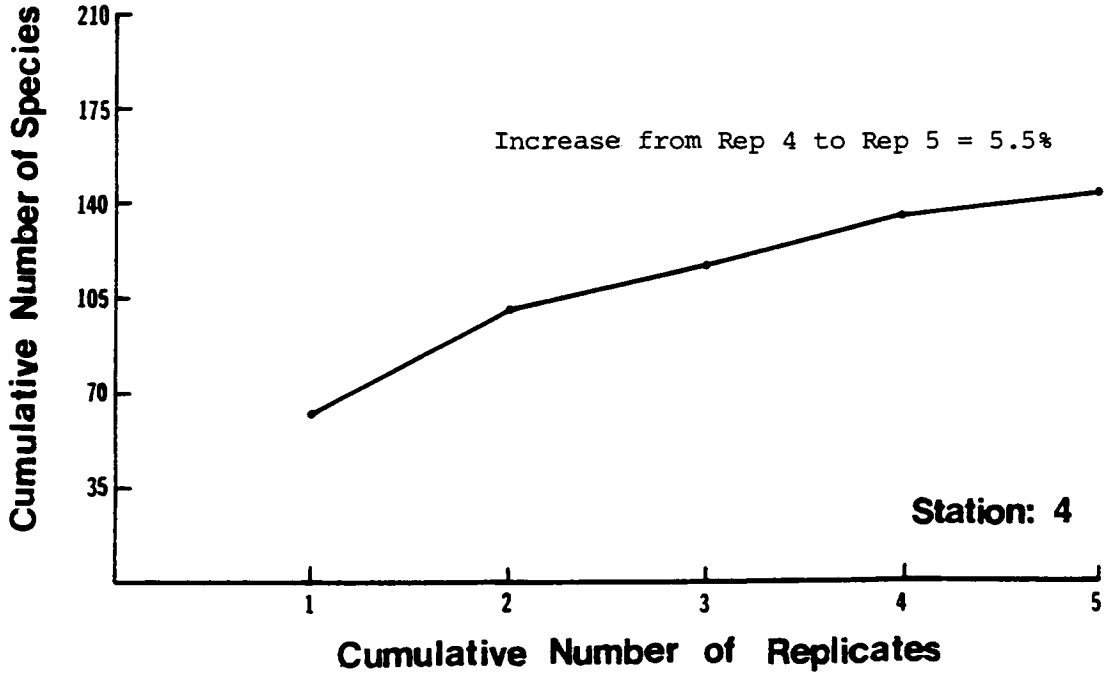
SPECIES	STATION:	2		4		5		6		8		12		14		16		18		20		22		24		25		26		28		TOTAL/ CRUISE	
	CRUISE:	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
FISH																																	
URANOSCOPIDAE																																	
Kathetostoma albigutta						1																										1	
GOBIIDAE																																	
Bollmannia communis																										2	66	350				66	352
Gobiosoma longipala																1																1	
Unidentified goby												1		1																		2	
SCORPAENIDAE																																	
Pontinus sp.				1																												1	
Scorpaena brasiliensis				2	7	1				1		1	1			16	7	5	3				2	6	6					20	22	52	48
Scorpaena calcarata				4	1	24	3			32	39	9		4	2	3	12					10	12					1		37	7	124	76
TRIGLIDAE																																	
Bellator egretta						1																			2							1	2
Bellator militaris							2			11	15	5					2	12	8			2		27	8				10	8	67	43
Prionotus sp.									7		3												1									11	
Prionotus martis	1	13							2												2					1					1	18
Prionotus ophryas			1																											1	1	1
Prionotus paralatus		1			12	2						2						4	3					5							23	6
Prionotus roseus			1	17						5	2			2		7						1	3				1		2	1	19	23
Prionotus salmonicolor	2		1																												3	
Prionotus stearnsi					6	3													4					2							8	7
BOTHIDAE																																	
Ancylopsetta dilecta																													1		1		
Bothus sp.																1															1		
Bothus robinsi	3			1			1		6	4				6	1	1	3				3	1	6						6	18	24
Citharichthys sp.					4			44		19							1												2	4	66	
Citharichthys cornutus													1																			1
Citharichthys gymnorhinus					10	8				1	16	7	1			1			3					30	35				3		59	56
Citharichthys macrops							2	2					1																		3	2
Cyclopsetta fimbriata									1	1												1	1								2	2
Etropus sp.		13																															13
Etropus crossotus																										11	4				11	4
Etropus rimosus								2	28	17				2														1			28	22
Syacium sp.																												1			1	
Syacium gunteri		15																			4					13	7	41	5		54	31
Syacium papillosum		2	5	11	5	4		5	129	86	2	3	30	9	45	17	22	4		1	34	27	51	15		1	1		62	43	386	228
SOLEIDAE																																	
Gymnachirus texae				1																											1		

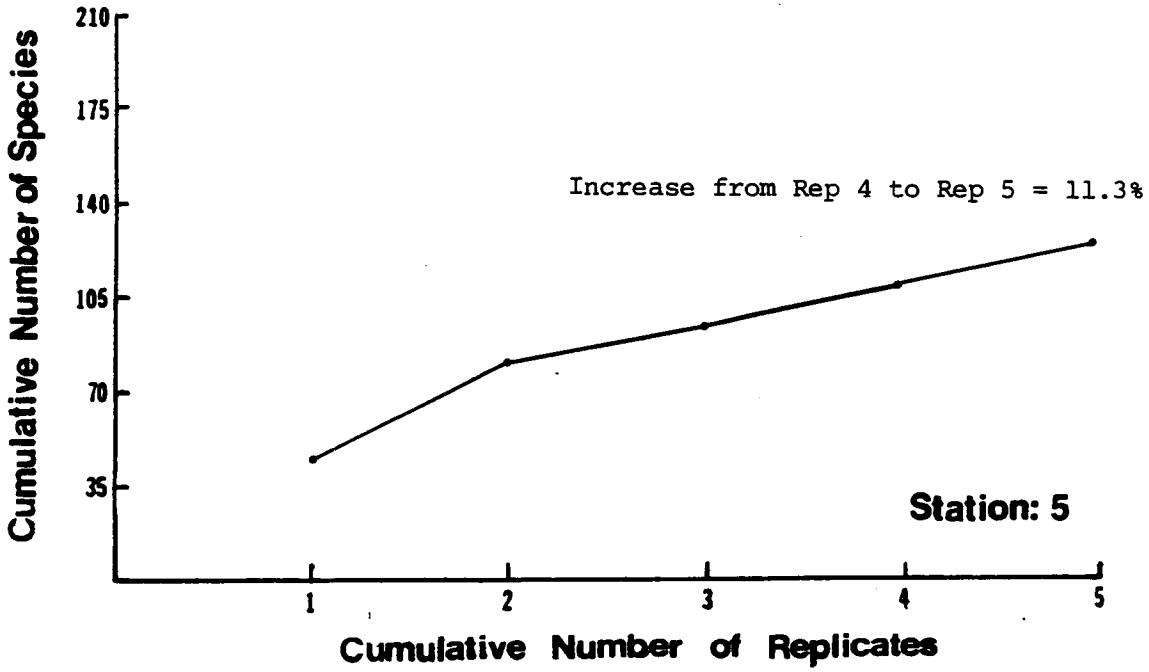
List of Soft-Bottom Epifauna and Fish Species Collected from the Southwest Florida Snelf for the Fall (F) 1980 and Spring (S) 1981 Cruises.

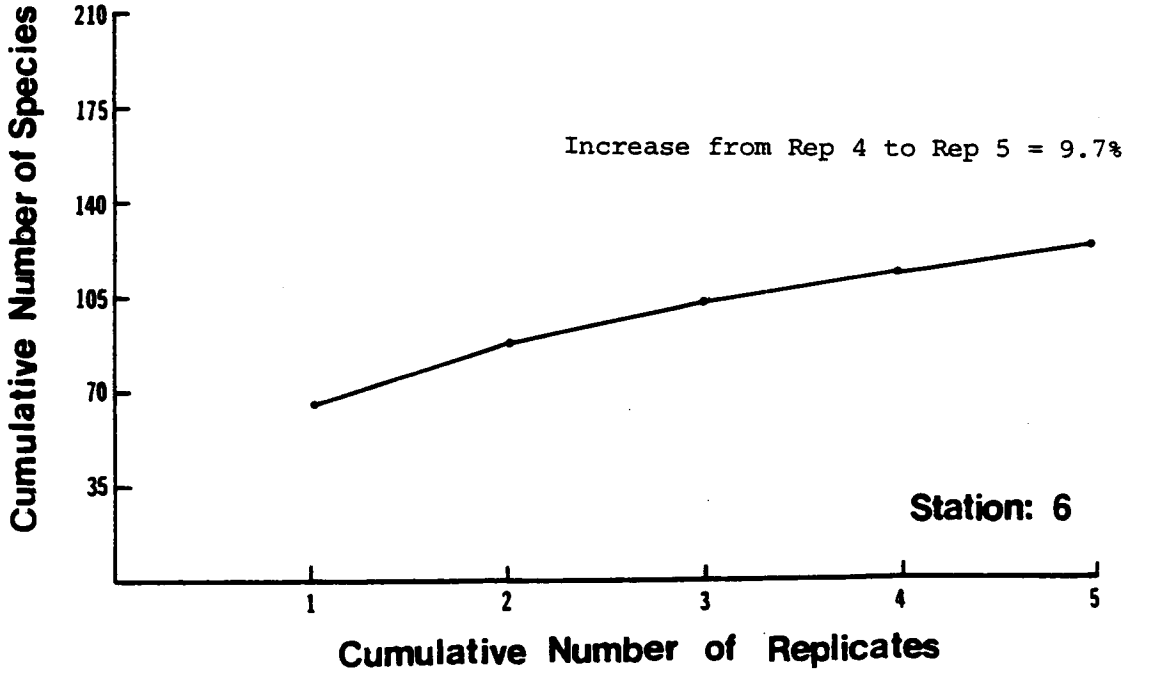
SPECIES	STATION:	2		4		5		6		8		12		14		16		18		20		22		24		25		26		28		TOTAL/ CRUISE	
	CRUISE:	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
FISH																																	
CYNOGLOSSIDAE																																	
Symphurus sp.											2																					2	
Symphurus diomedianus								1		6	3			3			1							1	1			1	2			12	7
Symphurus minor											6																						6
Symphurus plagiusa																										9						9	
Symphurus urospilus														2																		2	
BALISTIDAE																																	
Balistes capriscus																1												1				2	
Monacanthus ciliatus			1	15	1	4			13	2		1	2			78	2		1		5	1	21							14	22	110	73
Monacanthus hispidus	4		3	4			1		13							12	5			1	1	6	2	1						13	2	54	14
OSTRACIIDAE																																	
Lactophrys quadricornis								1						1		1						1									4	1	8	1
TETRAODONTIDAE																																	
Sphoeroides sp.						1																											1
Sphoeroides dorsalis			1		1				3	2						2	1	1				1		1	4					2		12	7
Sphoeroides spengleri														2	1	1																3	1
DIODONTIDAE																																	
Chilomycterus schoepfi																1																1	
UNIDENTIFIED PERCIFORMES												1						2														3	
TOTAL NUMBER OF SPECIMENS:																																	
CRUISE III:		82		71		871		1058		809		681		187		466		217		47		270		345		323		731		623			6781
CRUISE IV:			227		317		124		614		909		123		100		769		112		53		184		374		178		1046		315		5445
																																	12,226
TOTAL NUMBER OF SPECIES:																																	
CRUISE III:		15		32		74		52		66		57		37		79		41		15		68		40		34		46		86			
CRUISE IV:			11		38		43		19		84		26		23		94		27		24		55		45		24		43		55		

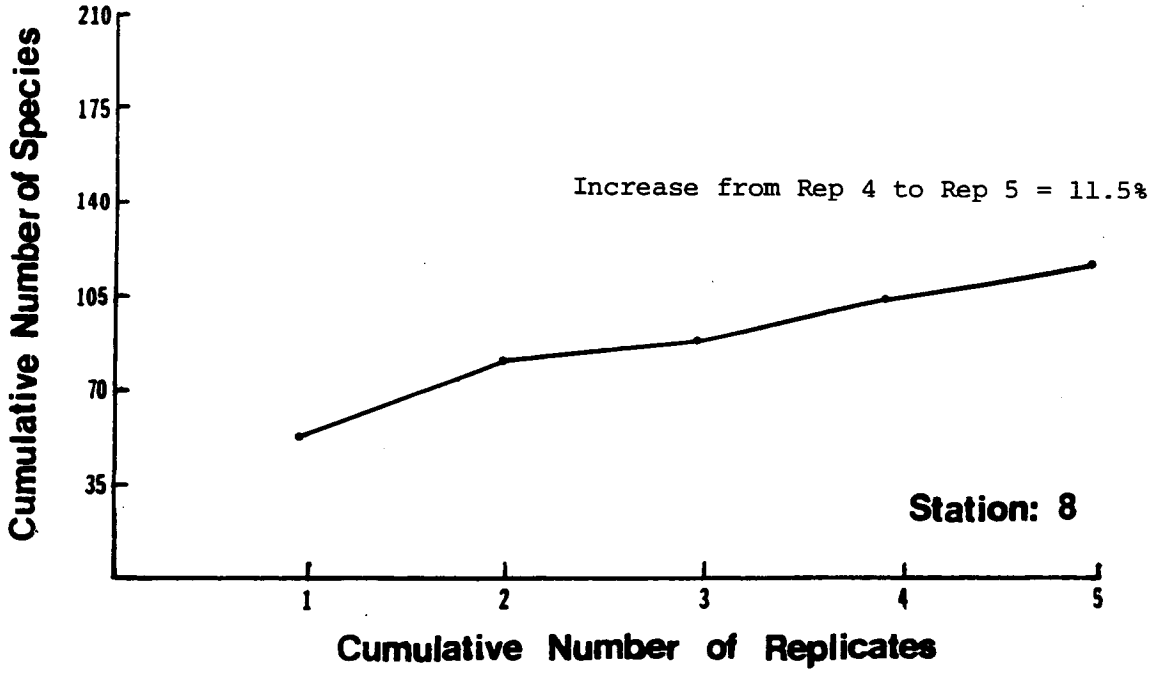
APPENDIX B-7 MACROINFAUNAL SPECIES SATURATION CURVES FOR FALL (1980) AND SPRING (1981) CRUISE SOFT BOTTOM BOX CORE SAMPLES

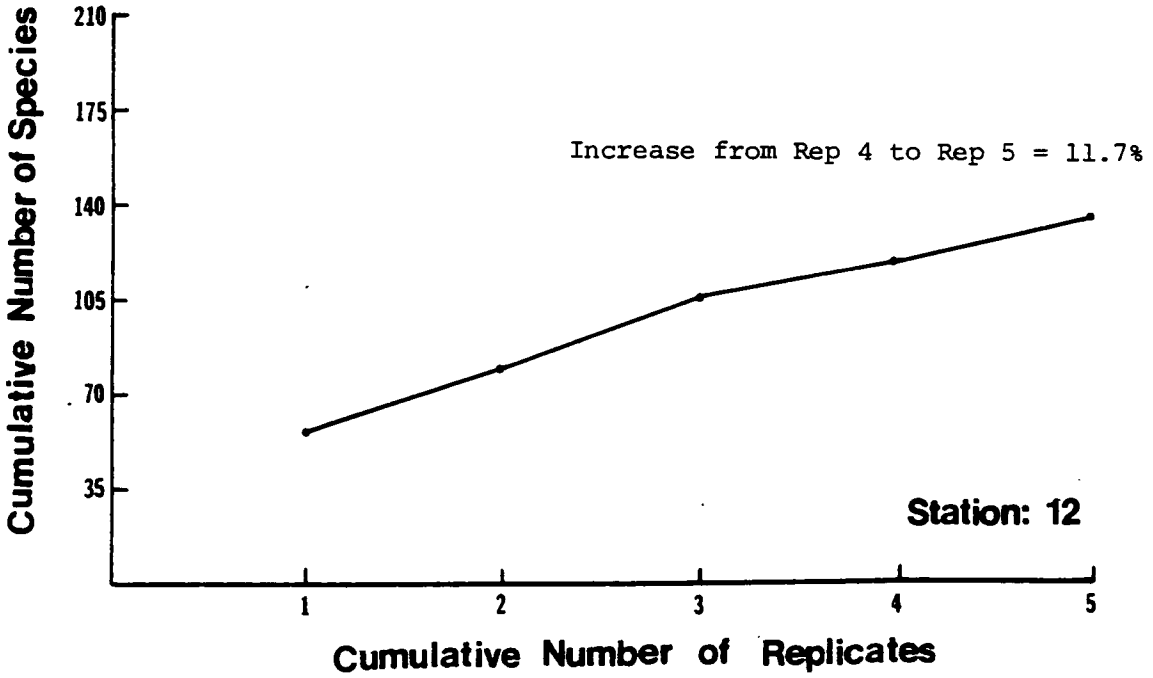

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 7.5%
Station: 2
1
2
3
4
5
Cumulative Number of Replicates

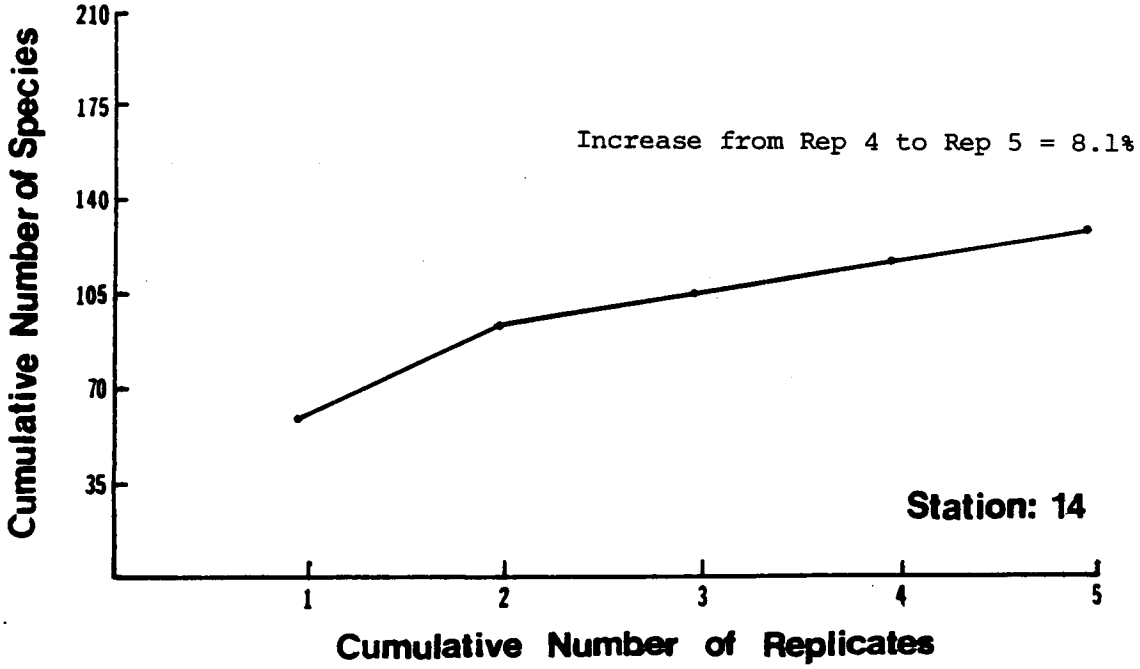

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 5.5%
Station: 4
1
2
3
4
5
Cumulative Number of Replicates

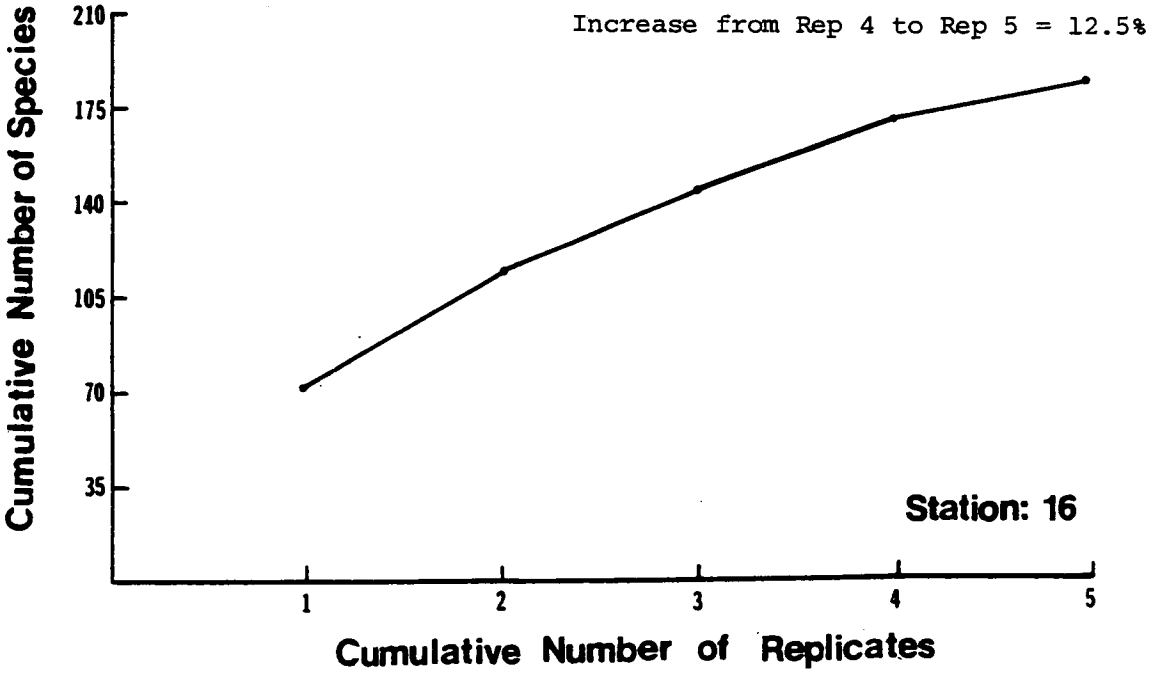

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 11.3%
Station: 5
1
2
3
4
5
Cumulative Number of Replicates

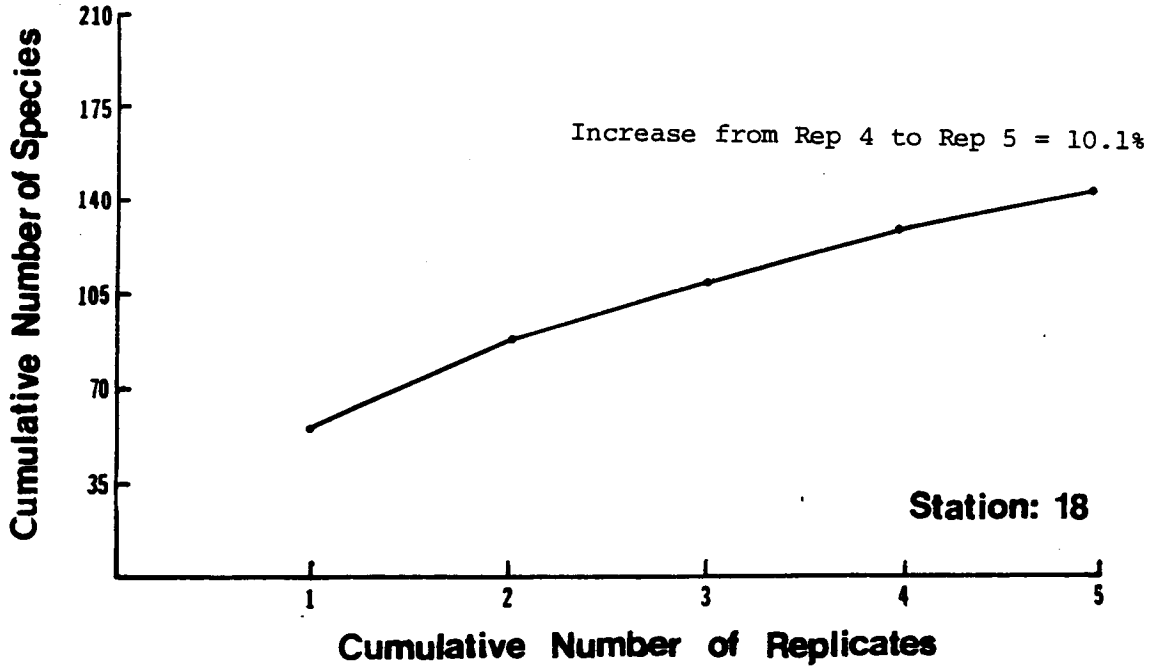

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 9.7%
Station: 6
1
2
3
4
5
Cumulative Number of Replicates

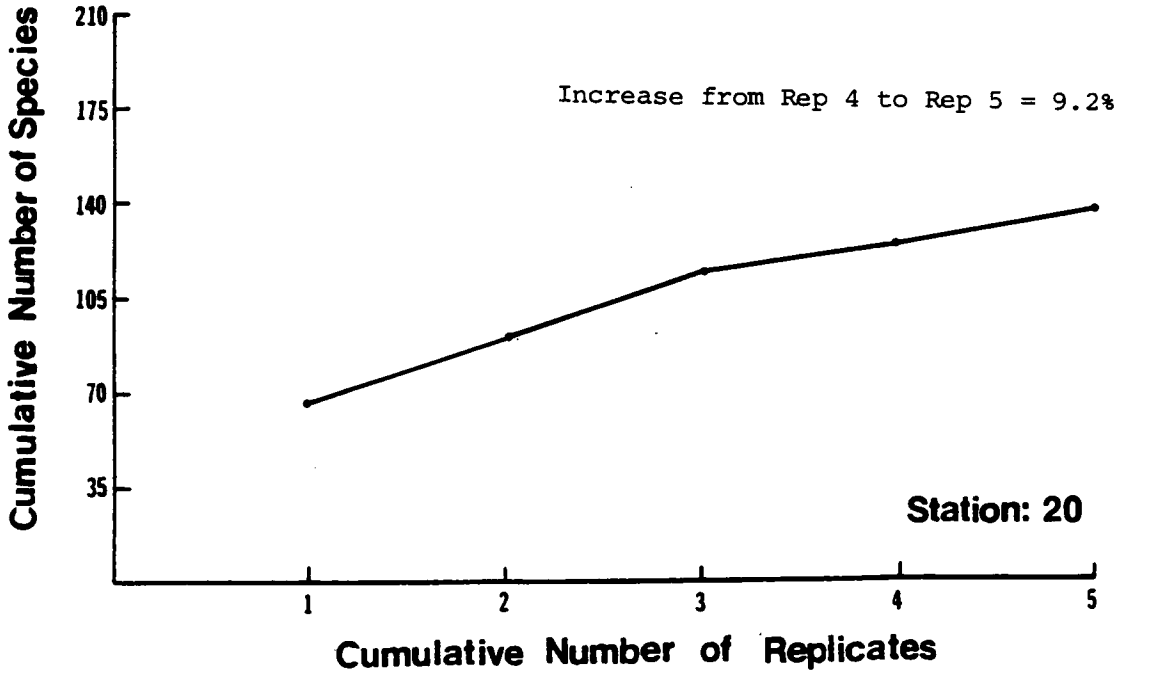

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 11.5%
Station: 8
1
2
3
4
5
Cumulative Number of Replicates

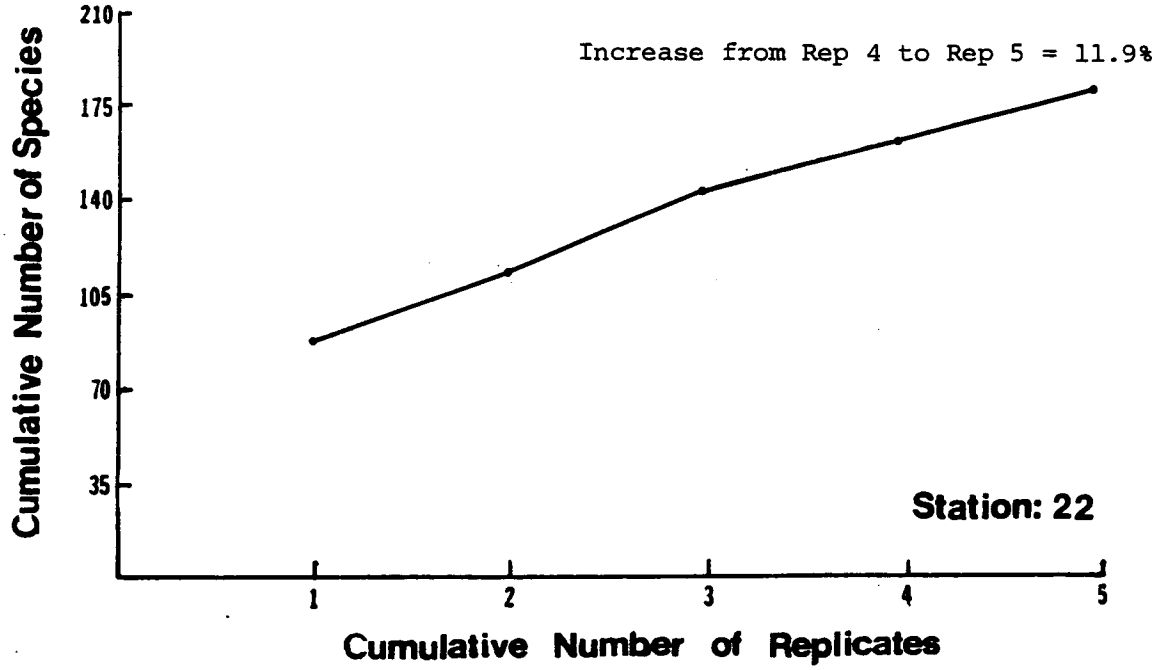

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 11.7%
Station: 12
1
2
3
4
5
Cumulative Number of Replicates

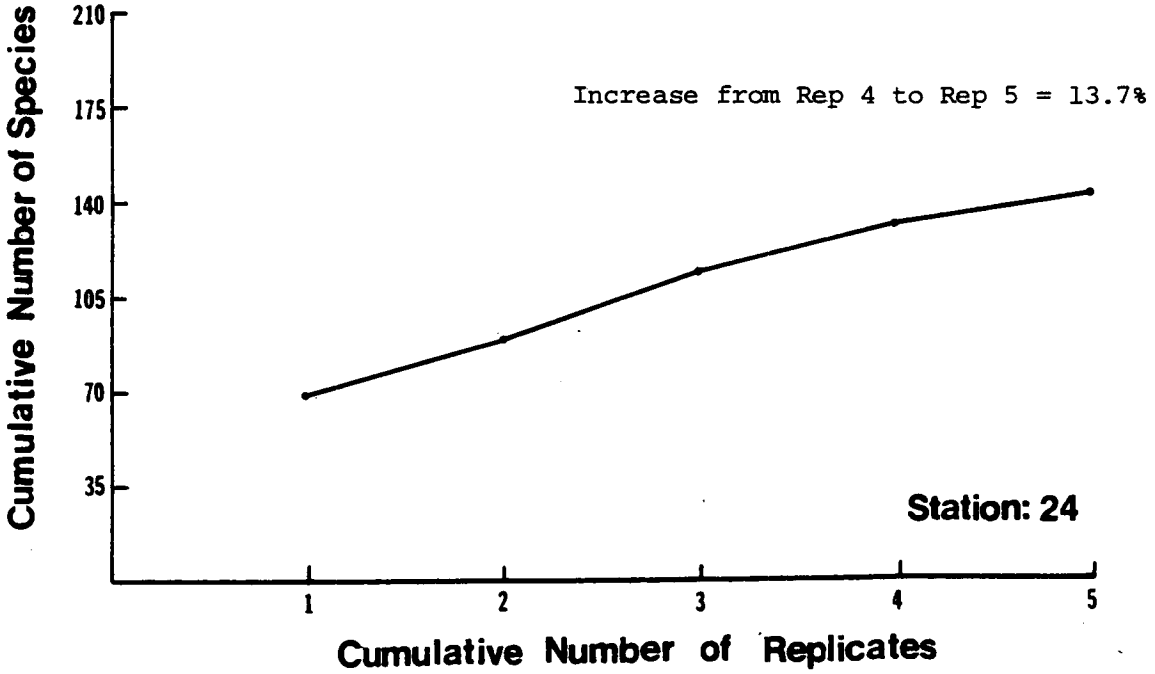

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 8.1%
Station: 14
1
2
3
4
5
Cumulative Number of Replicates

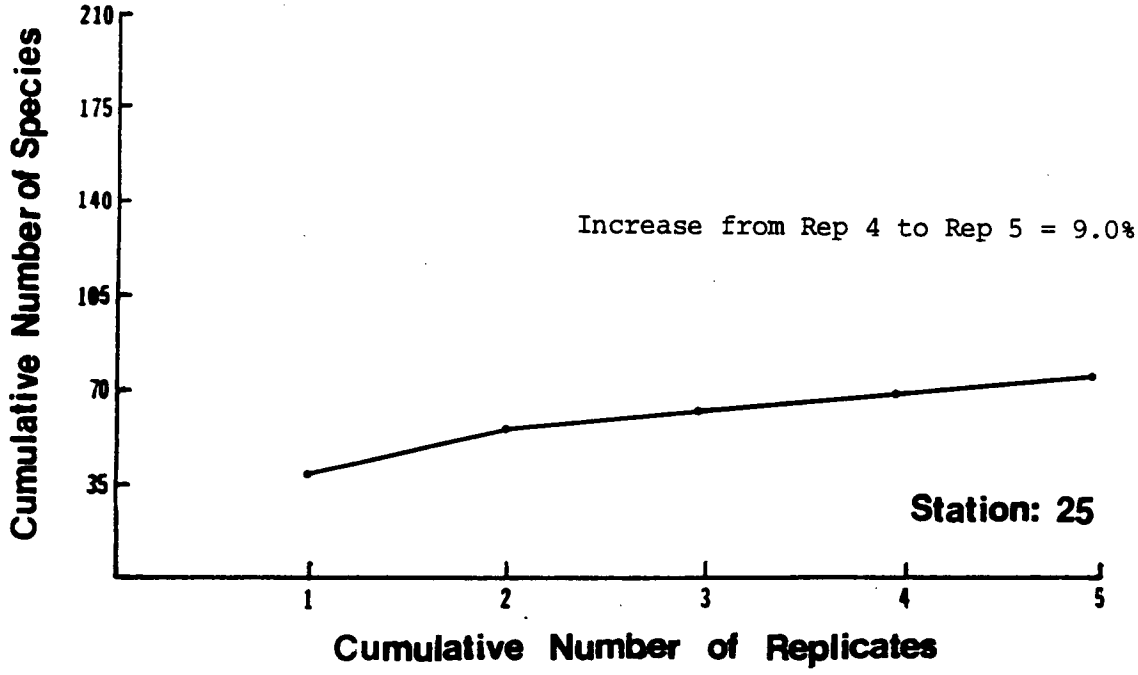

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 12.5%
Station: 16
1
2
3
4
5
Cumulative Number of Replicates

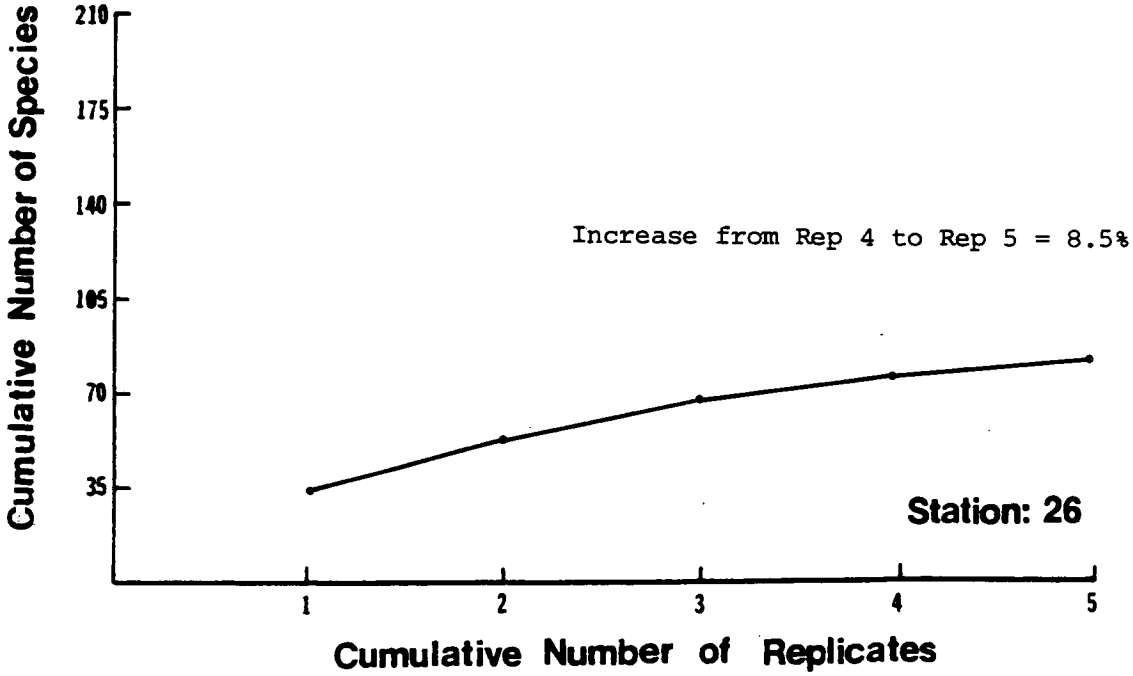

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 10.1%
Station: 18
1
2
3
4
5
Cumulative Number of Replicates


Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 9.2%
Station: 20
1
2
3
4
5
Cumulative Number of Replicates

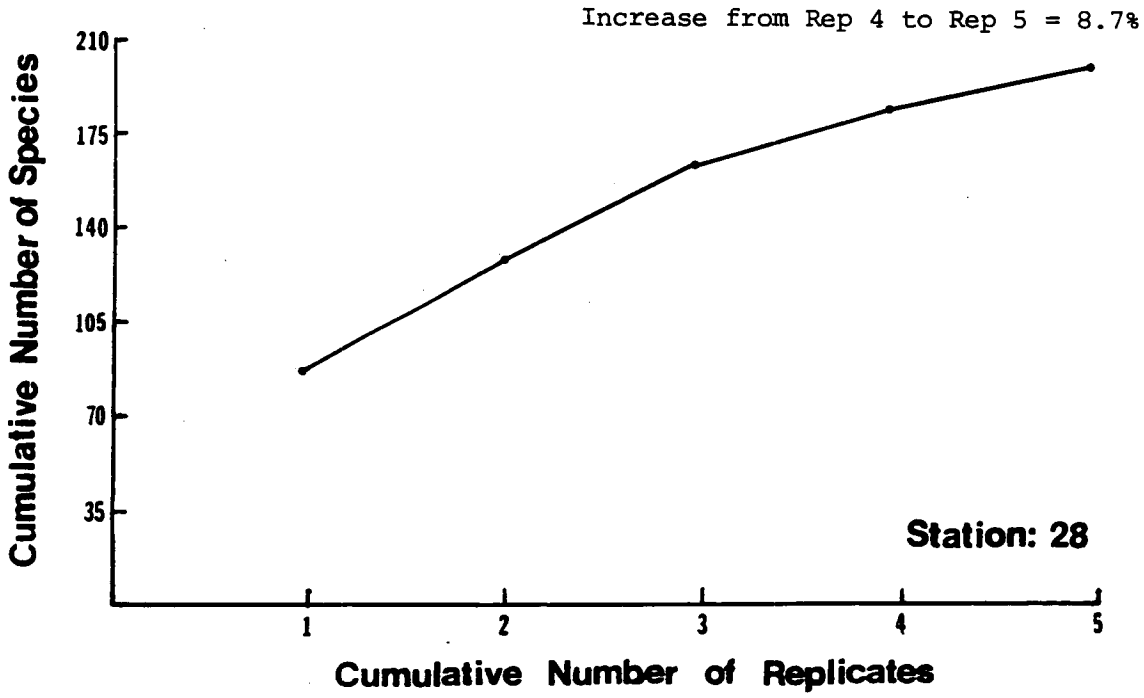

Increase from Rep 4 to Rep 5 = 11.9%
Cumulative Number of Species
210
175
140
105
70
35
Station: 22
1
2
3
4
5
Cumulative Number of Replicates


Increase from Rep 4 to Rep 5 = 13.7%
Cumulative Number of Species
210
175
140
105
70
35
Station: 24
1
2
3
4
5
Cumulative Number of Replicates

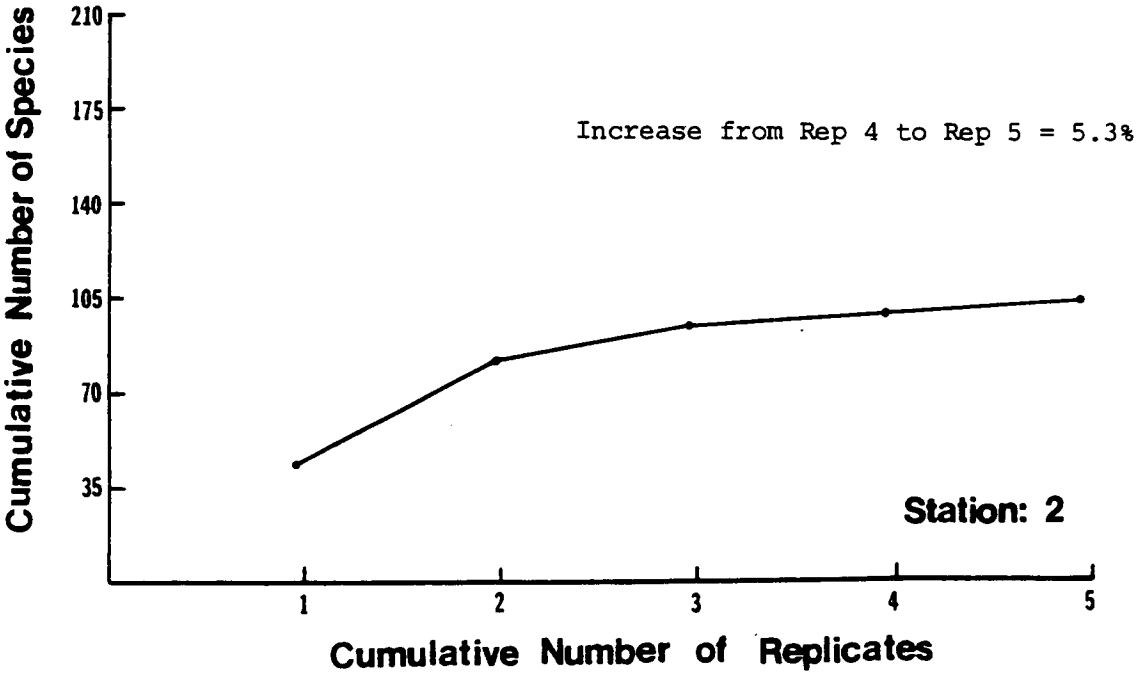

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 9.0%
Station: 25
1
2
3
4
5
Cumulative Number of Replicates

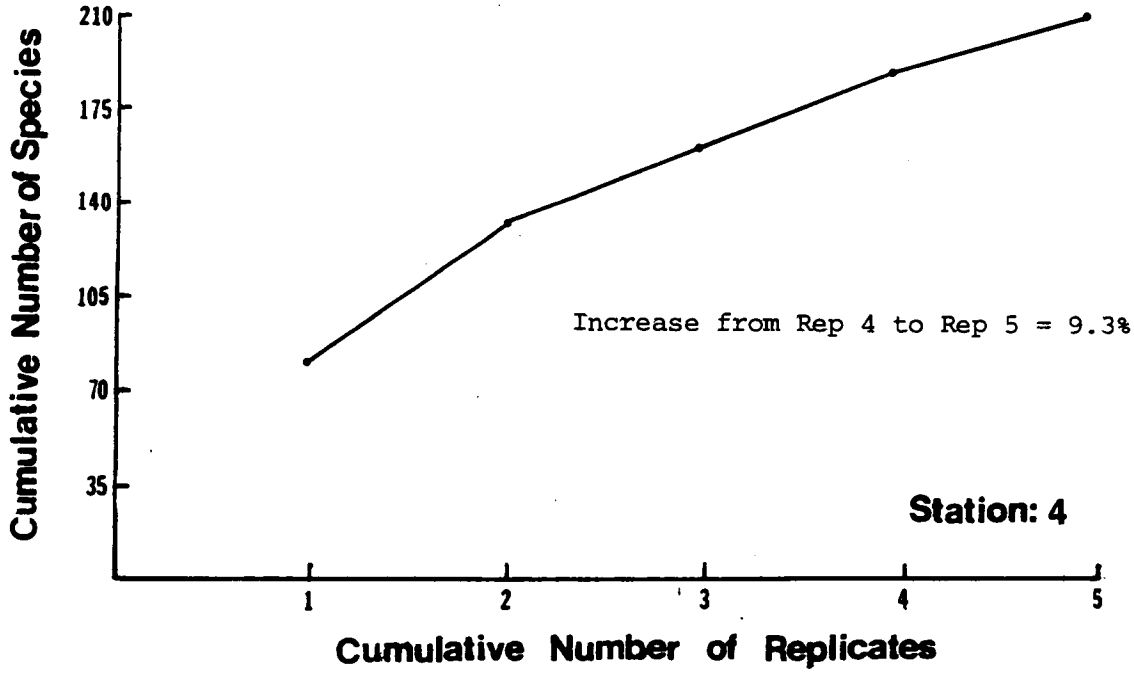

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 8.5%
Station: 26
1
2
3
4
5
Cumulative Number of Replicates

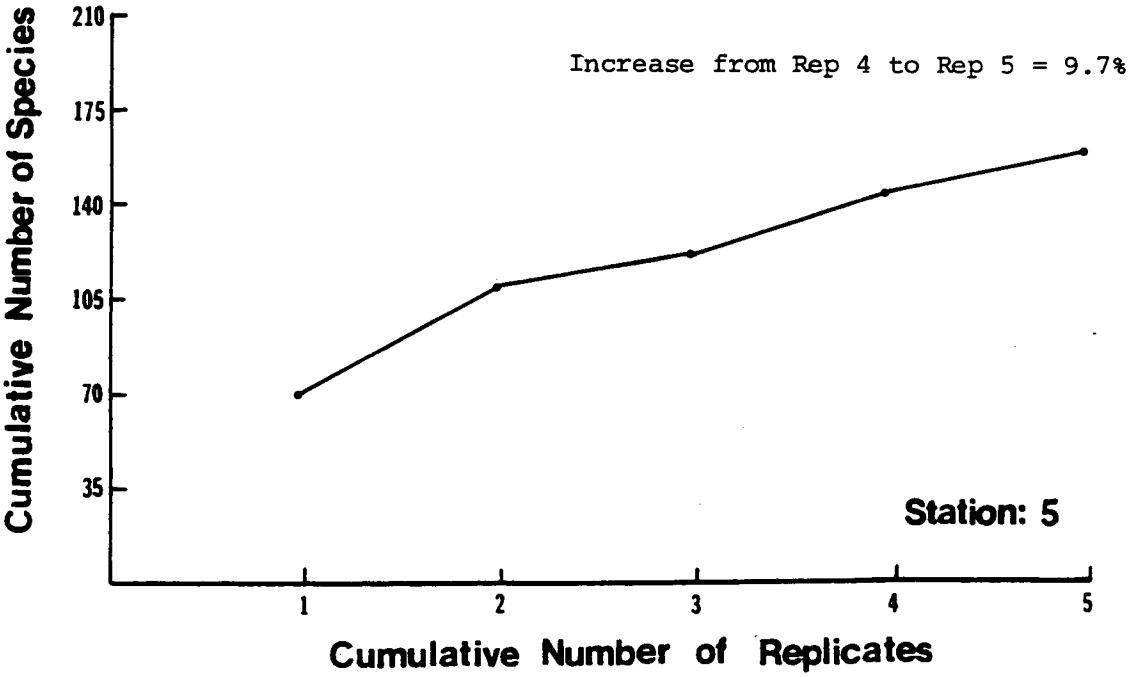
FALL (1980)

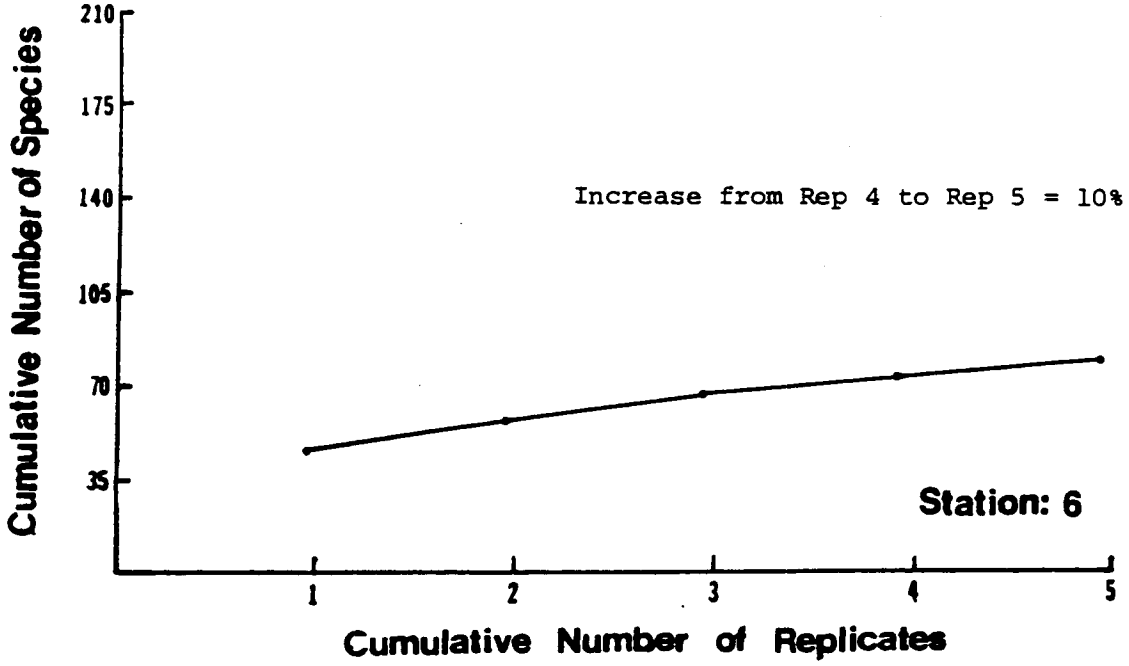


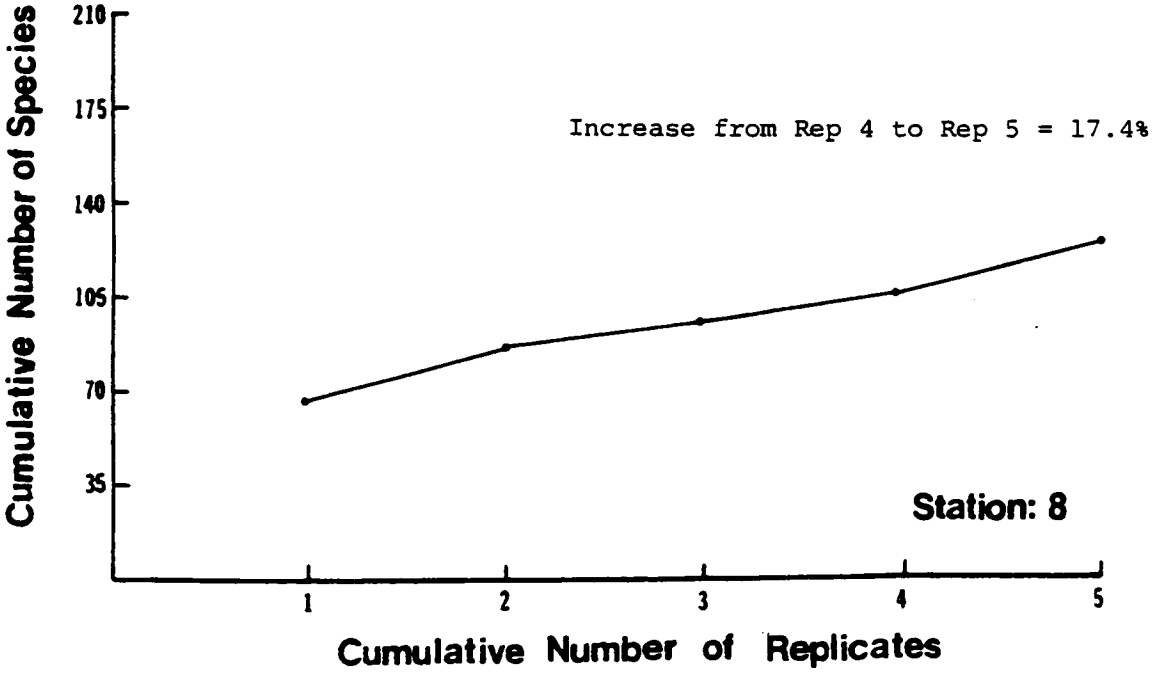
SPRING (1981)

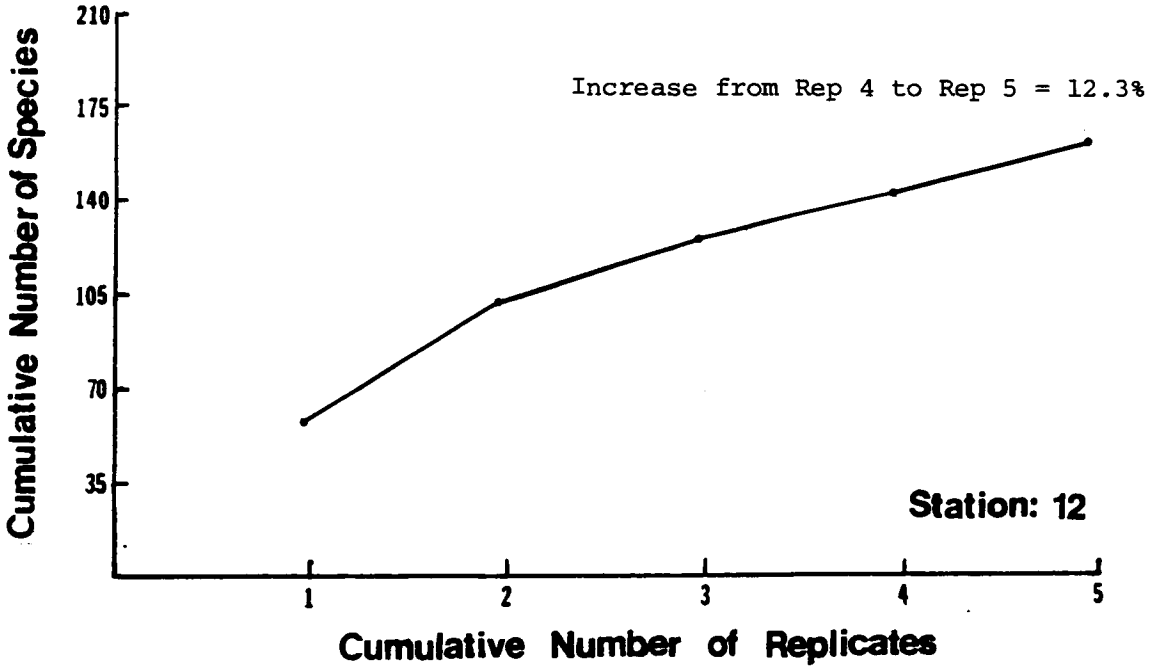


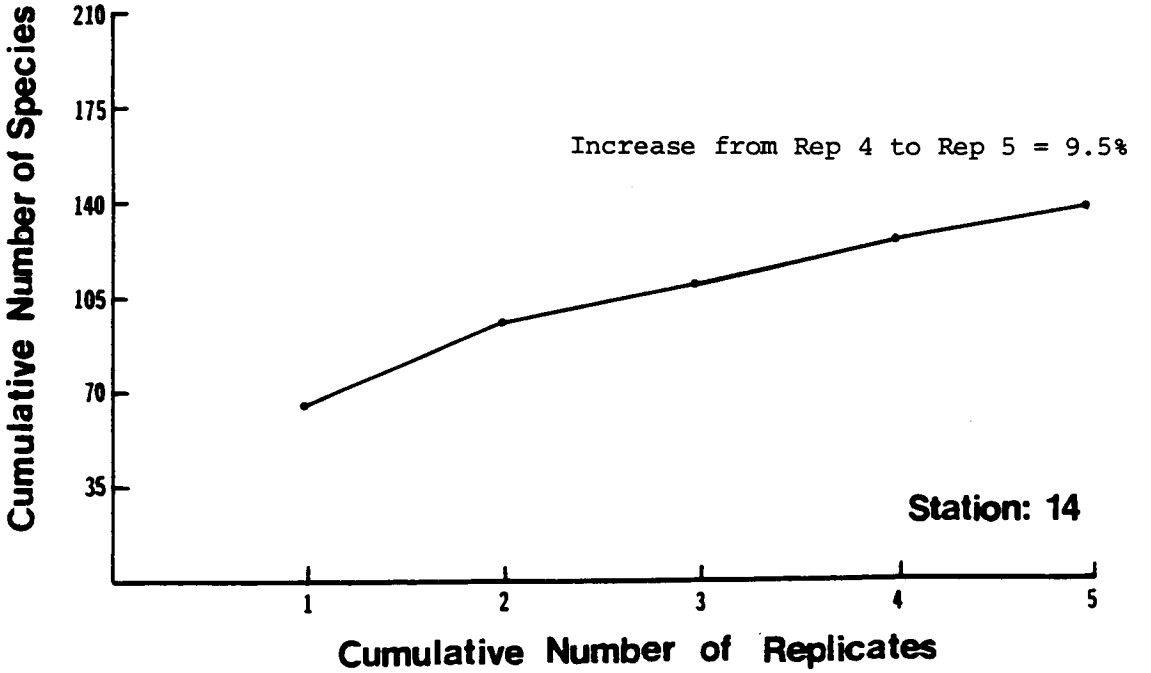

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 9.3%
Station: 4
1
2
3
4
5
Cumulative Number of Replicates

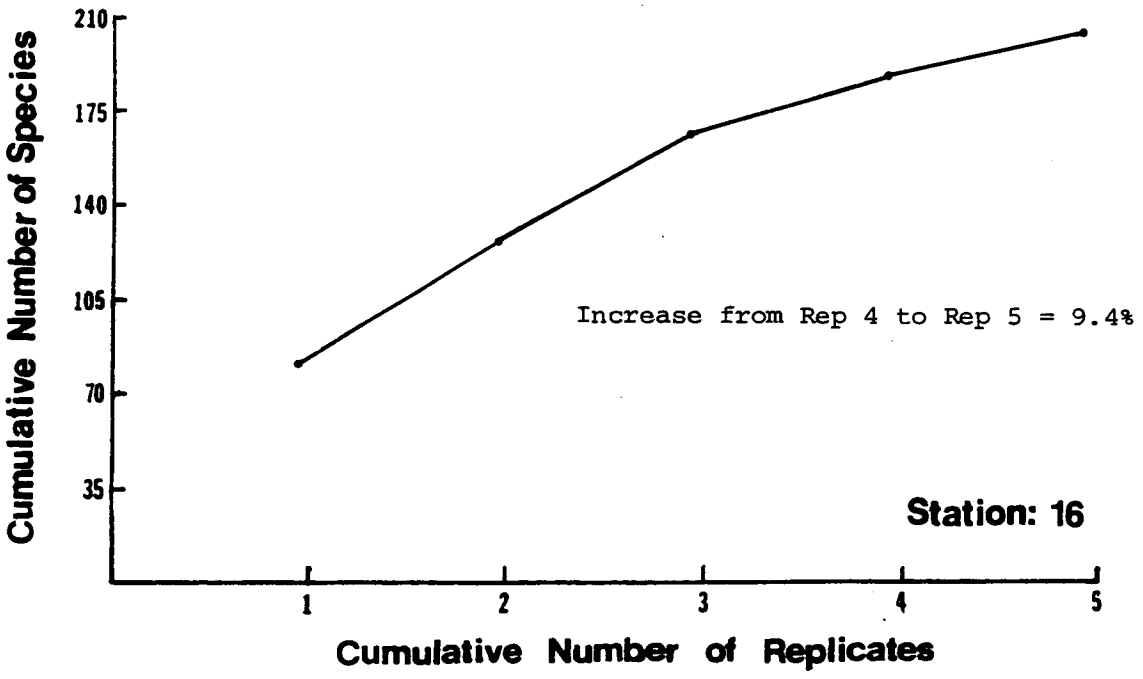

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 9.7%
Station: 5
1
2
3
4
5
Cumulative Number of Replicates

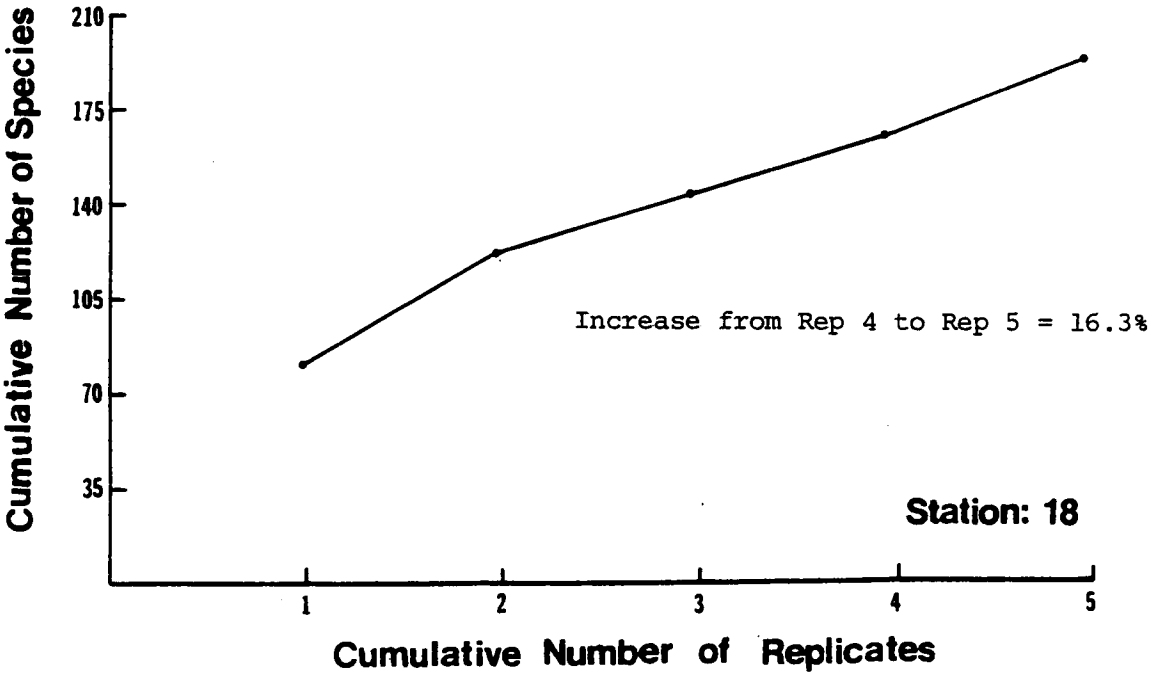

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 10%
Station: 6
1
2
3
4
5
Cumulative Number of Replicates

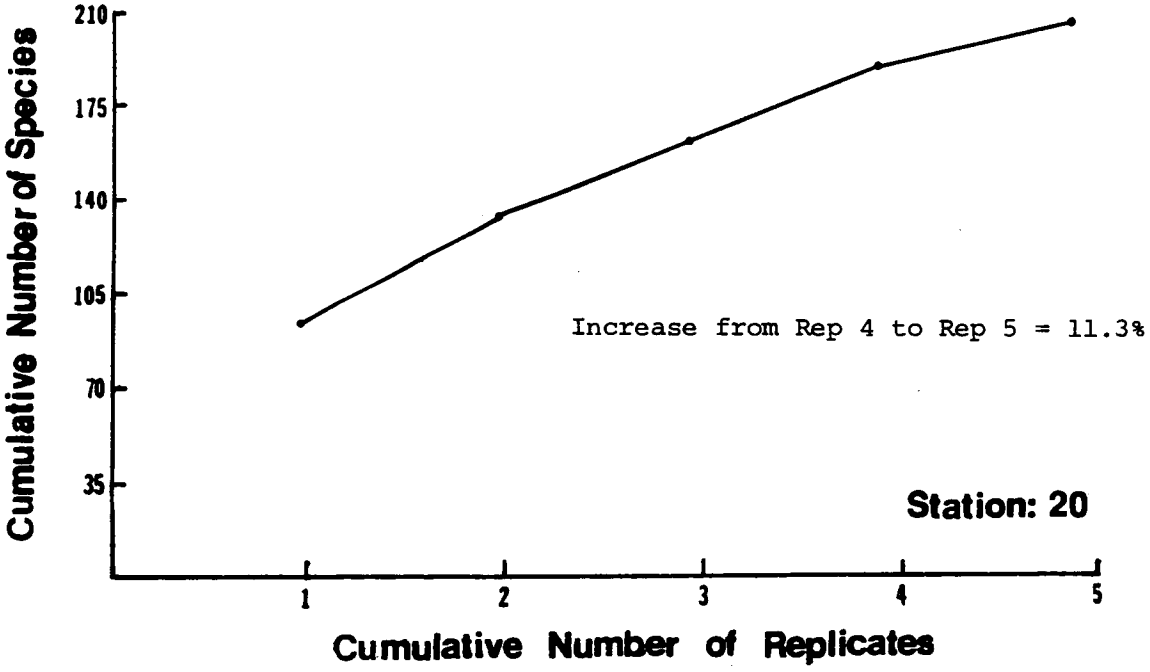

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 17.4%
Station: 8
1
2
3
4
5
Cumulative Number of Replicates

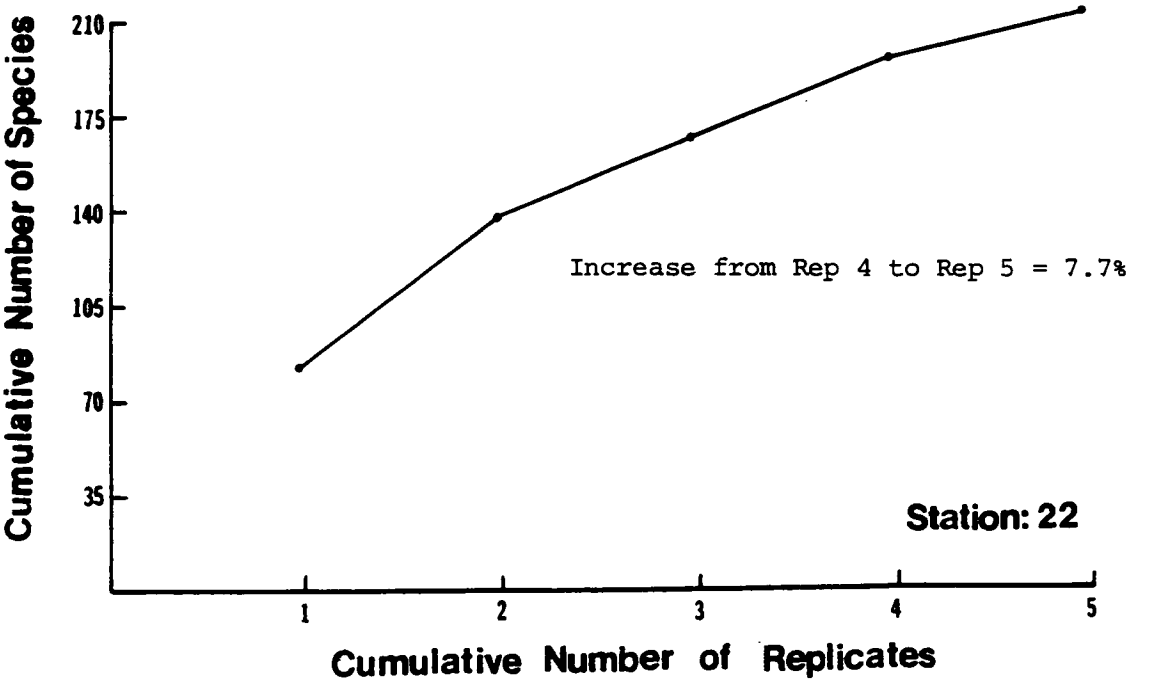

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 12.3%
Station: 12
1
2
3
4
5
Cumulative Number of Replicates

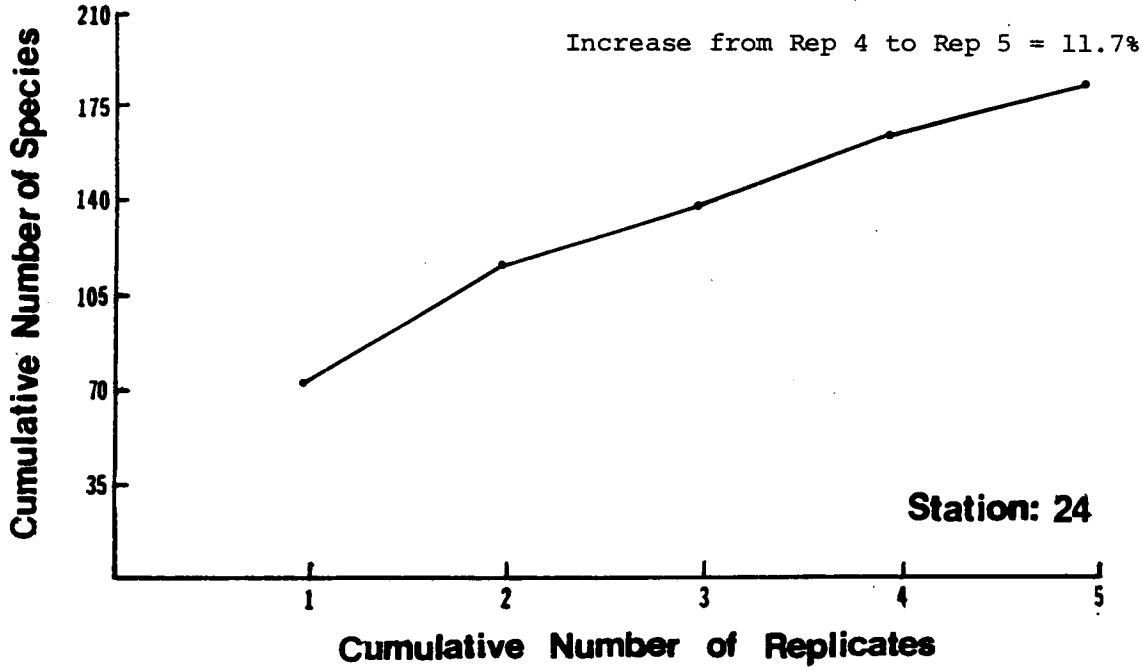

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 9.5%
Station: 14
1
2
3
4
5
Cumulative Number of Replicates

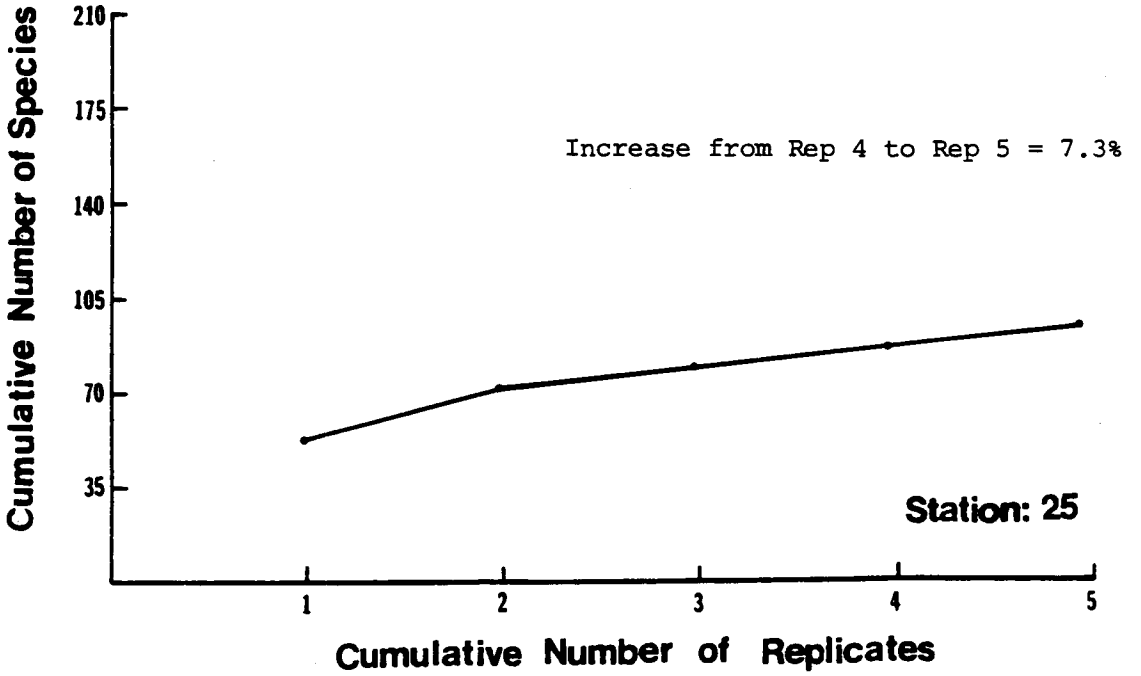

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 9.4%
Station: 16
1
2
3
4
5
Cumulative Number of Replicates

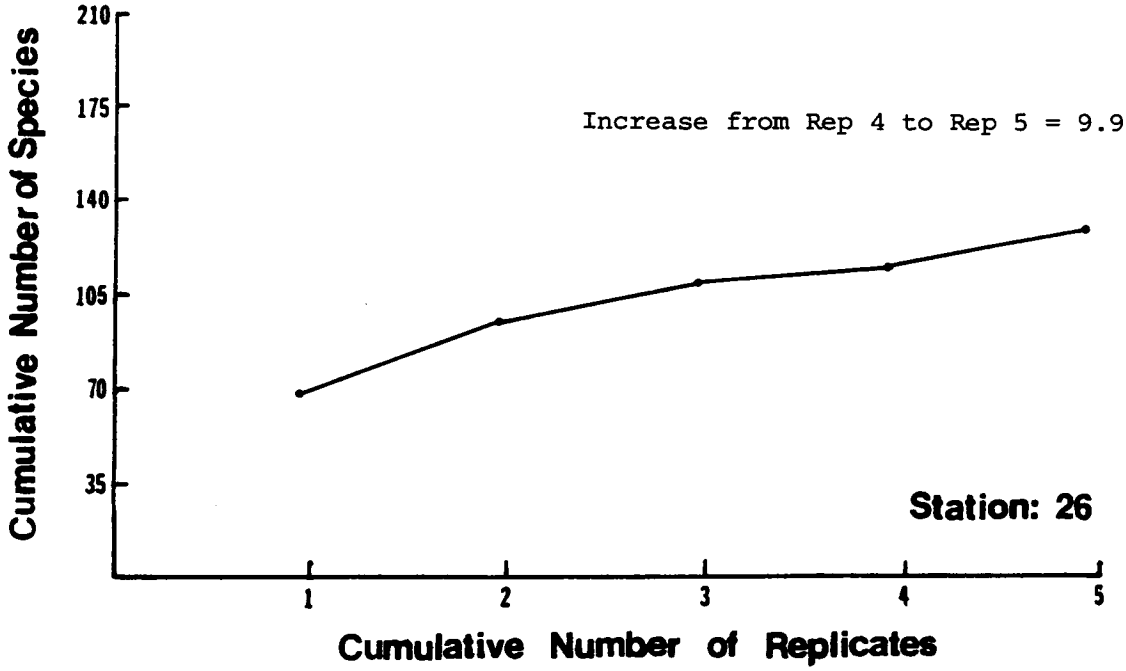

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 16.3%
Station: 18
1
2
3
4
5
Cumulative Number of Replicates

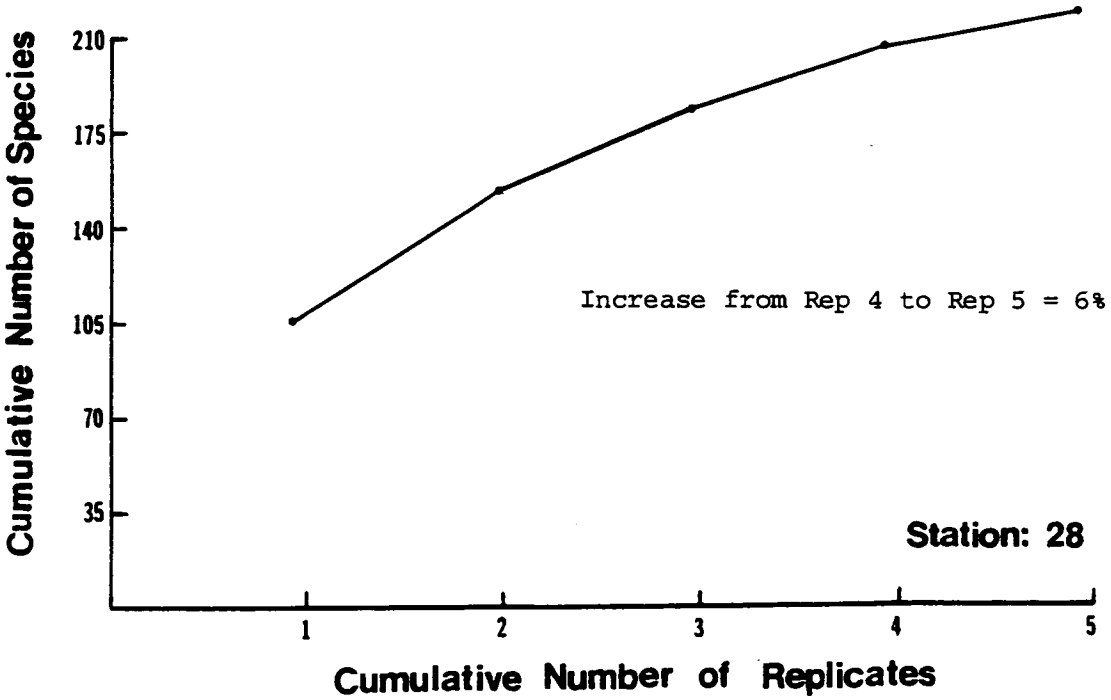

Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 11.3%
Station: 20
1
2
3
4
5
Cumulative Number of Replicates


Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 7.7%
Station: 22
1
2
3
4
5
Cumulative Number of Replicates


Increase from Rep 4 to Rep 5 = 11.7%
Cumulative Number of Species
210
175
140
105
70
35
Station: 24
1
2
3
4
5
Cumulative Number of Replicates


Increase from Rep 4 to Rep 5 = 7.3%
Cumulative Number of Species
210
175
140
105
70
35
Station: 25
1
2
3
4
5
Cumulative Number of Replicates


Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 9.9%
Station: 26
1
2
3
4
5
Cumulative Number of Replicates


Cumulative Number of Species
210
175
140
105
70
35
Increase from Rep 4 to Rep 5 = 6%
Station: 28
1
2
3
4
5
Cumulative Number of Replicates

APPENDIX B-8 COMPOSITE SPECIES LISTS AND FAUNAL COUNTS FOR FALL (1980) AND SPRING (1981) CRUISE SOFT BOTTOM MACROINFAUNA COLLECTIONS (MOTE MARINE LABORATORY)

STATIONS	2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
CNIDARIA																
HYDROZOA																
1 Hydroid sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
ANTHOZOA																
2 Anemone sp. A	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	5
3 Athenaria sp.	0	0	0	0	0	0	0	2	0	0	0	0	0	0	3	5
4 Thenaria sp.	2	0	0	0	0	0	0	0	0	1	1	0	1	0	0	5
PLATYHELMINTHES																
5 Platyhelminthes spp.	1	0	0	2	4	0	2	2	0	4	2	0	0	0	2	21
NEMERTINA																
6 Nemertina spp.	48	7	18	59	68	28	62	52	8	28	91	7	85	64	34	643
RINORHYNCA																
7 Rinorhynca sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
PRIAPULIDA																
8 Tubilachus corallicola	0	0	0	0	0	0	0	2	0	0	0	0	0	0	37	39
9 Priapulida spp.	0	0	0	0	0	0	0	1	0	5	0	0	0	2	0	8
NEMATODA																
10 Nematoda spp.	338	43	20	208	146	36	94	138	36	304	140	23	119	98	288	2031
BRYOZOA																
11 Selenaria spp. (colonial)	10	38	4	4	62	11	25	9	1	71	25	0	0	0	30	290
12 Bryozoa spp.	0	2	0	0	0	1	0	0	0	5	0	0	0	0	0	8
PHORONIDA																
13 Phoronis architecta	1	0	0	0	2	0	0	0	0	0	3	0	5	9	0	20
14 Phoronis sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
BRACHIOPODA																
15 Glotidia pyramidata	3	0	0	12	17	1	0	12	0	1	17	0	2	0	3	68
16 Platidia clepsydra	0	0	23	0	0	4	0	0	56	0	0	33	0	0	0	116
MOLLUSCA																
POLYPLACOPHORA																
17 Ishnochiton spp.	24	9	0	0	0	0	0	0	0	2	0	0	0	0	2	37
18 Polyplacophora sp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
GASTROPODA																
20 Acteon candens	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
21 Alvania sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
22 Caecum cubitatum	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
23 Caecum cf. cubitatum	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	6
24 Caecum pulchellum	0	0	0	1	0	0	0	0	0	0	0	1	0	214	0	216
25 Caecum sp.	0	0	0	3	0	0	5	0	0	0	0	0	0	0	5	13
26 Clyptraeia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
27 Circulus sp.	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
28 Crucibulum striatum	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	3
29 Cyclostremicus sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
30 Cylichnella spp.	0	0	0	0	0	0	0	0	0	0	0	0	9	13	0	22
31 Cylindrobulla beauii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
32 Marginella sp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
33 Melanella spp.	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
34 Mitrella lunata	0	0	0	2	0	0	1	0	0	1	0	0	0	0	0	4
35 Murex sp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
36 Muricopsis sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
37 Nassariidae spp.	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
38 Natica sp.	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
39 Oliva reticularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
40 Oliva sayanna	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
41 Oliva spp.	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
42 Olivella dealbata	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATIONS		2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
43	Olivella spp.	0	0	0	1	0	0	7	1	0	0	0	0	0	0	0	10
44	Strombiformis sp.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
45	Terebra spp.	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
46	Turbonilla conradi	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	3
47	Turbonilla spp.	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
47.5	Utriculastra canaliculata	0	0	0	4	1	0	1	0	0	1	2	0	1	4	5	19
48	Volvulla persimilis	0	0	0	7	1	0	0	1	0	0	3	0	0	0	1	13
49	Gastropoda spp.	0	0	4	25	1	4	5	7	7	0	0	15	11	9	0	104
AMPHINEURA																	
55	Aplacophora sp. A	0	0	1	0	0	23	0	3	14	0	5	14	0	0	0	60
56	Aplacophora sp. B	0	0	1	0	0	16	0	0	7	0	0	24	0	0	0	50
57	Aplacophora sp. C	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
BIVALVIA																	
58	Abra aequalis	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
59	Amygdalum spp.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	3
60	Anodontia spp.	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	33
61	Anomia simplex	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
62	Basteretia spp.	0	0	3	0	0	0	0	0	0	0	1	0	0	0	0	4
63	Cardiomya spp.	0	0	0	0	0	0	0	3	0	0	11	0	0	1	21	36
64	Chione cancellata	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	15
65	Corbula contracta	31	3	0	41	0	0	9	0	0	0	0	0	0	0	0	74
66	Corbula spp.	0	0	2	0	0	0	0	0	0	0	0	5	0	0	0	7
67	Crassinella lunulata	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
68	Crassinella martinicensis	0	0	0	0	5	0	0	0	0	0	23	0	0	1	7	44
69	Crassinella spp.	0	0	0	0	0	0	1	10	0	0	0	0	0	0	0	11
70	Crenella divaricata	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0	8
71	Cuspidaria spp.	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	9
72	Cylichna verrilli	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
73	Divaricella quadrisulcata	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	5
74	Gouldia cerina	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10
75	Laevicardium laevigatum	0	9	2	0	0	0	0	0	0	0	0	0	0	0	0	11
76	Laevicardium pictum	1	0	0	0	2	0	19	1	0	4	0	0	0	0	0	27
77	Laevicardium spp.	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
78	Lima sp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
79	Limopsis minuta	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
80	Linga leucocyma	0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	4
81	Lucina muricata	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
82	Lucina radians	4	0	0	199	117	2	289	2	6	0	107	2	23	76	75	896
83	Lucina spp.	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	10
84	Lyonsia hyalina floridana	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	3
85	Macoma tenta	0	0	0	0	1	0	0	0	0	0	1	0	2	0	0	4
86	Macoma spp.	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
87	Macrocallista spp.	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
88	Mactridae spp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2
89	Musculus lateralis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
90	Musculus sp.	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
91	Nemocardium tinctum	0	1	0	0	0	4	0	0	0	0	0	0	0	0	0	5
92	Parvalucina blanda	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
93	Pectin spp.	0	0	0	0	0	0	0	1	7	0	0	1	0	0	3	12
94	Pectinidae sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
95	Periglypta sp.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
96	Pholadidae sp.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
97	Pleuromeris tridentata	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
98	Semele bellastriata	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3
99	Solemya occidentalis	1	4	0	1	4	0	0	0	0	0	0	0	0	1	0	11

STATIONS		3	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
100	Sphenia tumida	0	0	2	0	0	19	1	0	0	0	0	0	0	0	0	22
101	Tellina squamifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
102	Tellina (angulus?) sp.	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3
103	Tellina (versicolor?) sp.	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	18
104	Tellina spp.	0	0	0	0	0	0	0	0	0	0	0	0	107	0	27	134
105	Tellinidae spp.	0	10	2	14	14	0	33	0	0	0	0	0	0	0	0	81
106	Veneridae spp.	3	2	0	0	0	0	21	1	0	0	0	0	0	0	0	27
107	Verticordia ornata	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
108	Bivalvia spp.	0	0	14	12	2	33	65	49	140	38	78	124	33	68	32	700
	SCAPHOPODA																
119	Cadulus agassizii	0	3	1	0	0	2	0	0	0	0	0	0	0	0	10	16
120	Cresels acicula	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4
121	Dentalium spp.	0	0	0	0	0	0	1	1	0	0	0	4	2	0	0	8
ANNELIDA																	
	POLYCHAETA																
	ACROCIRRIDAE																
122	Acrocirrus frontifilis	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
123	Acrocirrus spp.	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	AMPHARETTIDAE																
125	Ampharetidae spp.	0	0	2	1	0	0	0	0	0	1	0	0	0	0	3	7
127	Ampharete acutifrons	0	0	32	0	0	11	0	0	7	1	0	15	0	0	0	66
128	Ampharete americana	0	16	5	0	0	0	0	0	0	0	0	0	0	0	3	24
129	Ampharete parvidentata	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
130	Ampharete sp. A	0	13	24	0	5	11	0	70	36	0	42	15	0	0	89	307
131	Ampharete sp. B	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	7
134	Amphicteis gunneri	0	0	0	4	0	0	0	0	0	0	2	0	0	0	0	6
136	Hypania sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
138	Melinna maculata	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
139	Samythella elrasoni	0	0	1	0	0	0	0	0	0	0	1	0	0	0	4	6
	AMPHINOMIDAE																
141	Amphinomidae spp.	0	0	7	0	0	6	0	0	0	0	0	0	0	0	0	13
142	Chloe viridis	0	0	1	1	0	0	0	0	5	0	0	17	0	0	0	24
143	?Eurythoe complanata	0	0	0	0	0	0	5	0	0	0	0	0	0	1	7	13
144	Paramphinome pulchella	0	4	0	0	0	3	0	0	0	0	0	1	0	0	0	8
145	Pseudoeurythoe ambigua	0	7	0	0	0	0	0	6	0	0	0	0	0	0	0	13
	APISTOBRANCHIDAE																
149	Apistobranchus sp. A	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
	ARABELLIDAE																
154	Drilonereis sp.	0	0	0	0	1	0	0	0	0	0	1	1	0	0	4	7
	BOGUEIDAE																
156	?Boguella ornata	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	CAPITELLIDAE																
158	Capitellidae spp.	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
159	Capitella capitata	0	0	0	0	0	0	0	0	0	0	3	12	1	4	0	20
160	Capitellidae sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
163	Dasybranchus lumbricatus	0	0	0	15	1	0	0	1	0	0	0	0	0	0	2	19
165	Leiocapitella glabra	0	0	0	0	0	0	1	0	0	0	3	0	0	0	2	6
166	Leiochrides pallidior	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
167	Mediomastus spp.	5	0	0	166	12	18	32	15	4	0	42	1	97	61	18	471
168	Mediomastus hartmanae	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
169	Notomastus americanus	0	6	1	2	0	1	0	0	1	0	4	0	6	1	0	22
170	Notomastus hemipodus	0	1	5	1	13	19	24	37	7	0	12	14	7	23	28	207
171	Notomastus latericeus	0	3	0	0	3	0	0	1	7	0	4	0	3	0	1	22
173	Notomastus spp.	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	10
	CHRYSOPETALIDAE																

STATIONS		2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
174	Rhawania goodei	1	1	1	0	3	0	3	3	0	0	0	0	0	0	0	12
175	Paleanotus heteroseta	48	3	0	0	0	3	0	23	7	14	12	9	0	0	10	129
	CHAETOPTERIDAE																
176	Chaetopteridae spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
177	Chaetopterus variopedatus	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
178	Spiochaetopterus oculatus	0	0	4	1	1	4	0	0	5	0	1	3	15	3	0	37
	CIRRATULIDAE																
182	Cirratulidae spp.	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
183	Caulleriella alata	7	0	0	0	0	0	0	3	0	0	0	0	0	0	10	20
184	Caulleriella sp. A	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
185	Caulleriella spp.	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
187	Chaetozone gayheadia	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
188	Chaetozone setosa	0	1	0	0	0	5	0	0	0	0	4	0	0	0	10	20
189	Chaetozone spp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
191	Dodecaceria corallii	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	3
192	Tharyx annulosus	3	3	0	7	28	13	3	7	1	1	37	8	0	0	13	124
193	Tharyx marioni (=? setigera)	5	4	4	4	2	7	2	6	10	3	6	4	2	0	16	75
	COSSURIDAE																
196	Cossura delta	0	0	0	0	5	5	0	0	1	0	0	0	2	3	0	16
	DORVILLEIDAE																
198	Dorvillea sociabilis	1	0	0	2	0	0	0	0	2	3	0	0	0	0	0	8
199	Dorvillea sp. A	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4
200	Dorvilleidae sp. B	0	0	0	0	0	0	0	4	0	0	0	0	2	16	0	22
202	Protodorvillea bifida	2	0	0	0	0	0	0	0	0	3	0	0	0	0	0	5
203	Protodorvillea kefersteini	7	0	4	0	0	9	0	6	2	10	1	5	0	0	1	47
204	Protodorvillea minuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11
205	Schistomeringos caeca	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	2
206	Schistomeringos rudolphi	4	0	2	0	10	1	0	7	0	9	0	0	2	4	6	55
207	Dorvilleidae sp.	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
	EULEPETHIDAE																
208	Eulepethidae spp.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
209	Grubeulepis cf. equadorensis	1	0	0	1	0	0	1	0	0	0	2	0	0	0	1	6
211	Grubeulepis mexicana	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
212	Grubeulepis sp. A	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
213	Grubeulepis spp.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	EUNICIDAE																
215	Eunicidae spp.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
216	Eunice filimentosa	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
217	Eunice vittata	134	3	4	0	1	0	0	9	1	14	4	0	0	0	4	174
218	Eunice websteri	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
219	Lysidice ninetta	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
220	Marphysa sp. A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
221	Nematonereis unicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	FLABELLIGERIDAE																
223	Diplocirrus capensis	1	2	0	10	0	4	0	0	3	0	3	2	0	0	3	28
	GLYCERIDAE																
225	Glyceridae spp.	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
227	Glycera capitata	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4
228	Glycera dibranchiata	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
230	Glycera papillosa	3	19	0	0	0	27	0	0	22	1	0	13	0	0	0	93
231	Glycera sphyrabrancha	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
232	Glycera tesselata	0	2	0	0	3	0	0	19	0	0	10	0	0	0	2	36
233	Glycera sp. A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	GONIADIDAE																
236	Goniada brunnea	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3

STATIONS		2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
237	Goniada maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
238	Goniada teres	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	3
240	Goniada spp.	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2	12
241	Glycinde normanni	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
242	Goniadides carolinae	25	0	0	0	0	0	0	1	0	1	0	0	0	0	0	27
243	Goniadella sp. A	0	39	0	0	0	0	0	17	0	0	33	0	0	0	3	92
	HESIONIDAE																
245	Hesionidae spp.	2	0	0	0	0	0	0	2	0	1	0	0	0	0	1	4
246	Dalhousiella sp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
247	Gyptis brevipalpa	13	3	1	1	0	2	1	2	0	1	3	5	0	3	4	39
248	Gyptis vittata	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	14
249	Hesione picta	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2
250	Hesionidae sp. A	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	4
251	Podarke obscura	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6
	HETEROSPIONIDAE																
254	Heterospionidae spp.	0	0	0	0	0	0	0	0	0	4	3	0	0	0	0	7
255	Heterospio catalinensis	0	0	0	0	14	0	0	10	0	0	0	0	0	0	2	26
	LUMBRINERIDAE																
257	Lumbrineridae spp.	3	0	0	0	0	0	0	0	2	0	0	6	0	0	0	11
258	Lumbrinerides dayi	0	0	0	0	0	0	0	0	1	4	0	0	2	0	0	7
259	Lumbrineris acuta	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0
260	Lumbrineris coccinea	0	0	0	0	1	0	0	0	0	0	0	3	0	3	6	13
261	Lumbrineris verilli	24	14	0	0	1	3	33	6	0	5	3	2	13	28	14	138
262	Lumbrineris crusensis	15	1	0	0	0	0	4	1	3	0	2	10	0	0	0	36
263	Lumbrineris ernesti	1	0	0	4	0	0	45	0	0	0	0	0	0	0	1	51
264	Lumbrineris impatiens	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
265	Lumbrineris januarii	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
266	Lumbrineris latreilli	0	0	0	0	0	0	0	6	4	1	12	11	0	2	2	38
267	Lumbrineris paradoxa	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
268	Lumbrineris tenuis	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
269	Lumbrineris sp. A	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
270	Lumbrineris sp. B	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	22
271	Lumbrineris sp. C	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	MAGELONIDAE																
273	Magelona cf. cincta	0	0	0	0	4	3	0	1	1	0	0	0	83	6	0	98
274	Magelona cf. cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
275	Magelona pacifica	5	0	0	3	0	0	0	0	0	0	0	1	0	0	0	9
276	Magelona pettibonese	1	0	0	42	44	0	115	3	0	0	0	0	140	37	0	382
277	Magelona sp. A	1	0	0	0	79	0	0	41	0	10	38	0	0	0	74	243
278	Magelona sp. B	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	3
279	Magelona sp. C	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3
280	Magelona sp. E	0	0	0	4	1	0	3	0	0	0	3	0	0	0	0	11
281	Magelona spp.	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
	MALDANIDAE																
283	Asychis carolinae	0	0	0	0	1	2	0	3	0	0	0	2	0	0	0	8
284	Axiothella mucosa	1	8	1	1	9	14	1	4	3	22	19	0	0	0	0	83
285	Branchioasychis americana	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
286	Clymenella torquata	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	2
287	Euclymene sp.	0	0	1	0	0	0	0	0	1	0	1	1	0	0	0	4
288	Macroclymene zonalis	0	0	0	0	0	0	0	0	0	0	0	9	0	4	11	24
290	Maldanidae spp.	0	0	0	0	0	0	0	0	0	0	0	2	0	1	1	4
	NEPHTYIDAE																
291	Nephtyidae spp.	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
292	Aglaophamus circinata	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
293	Aglaophamus verrilli	1	2	0	18	7	9	7	3	6	0	0	11	1	0	15	80

STATIONS		2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
294	Inermonephtys inermis	0	1	0	0	0	5	0	1	0	0	0	0	0	0	0	7
295	Nephtys bucera	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	3
296	Nephtys incisa	0	0	0	0	0	0	0	0	0	3	0	2	0	0	0	5
297	Nephtys picta	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
298	Nephtys squamosa	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	2
	NEREIDAE																
300	Nereidae spp.	0	2	0	5	0	0	0	0	0	0	0	0	0	0	0	7
301	Certocephale oculata	0	7	0	0	28	1	0	22	0	9	23	1	0	0	29	136
302	Ceratonereis irritabilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
303	Ceratonereis longicirrata	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
304	Ceratonereis mirabilis	7	6	0	0	0	0	0	0	0	0	5	0	0	0	0	18
305	Gymnonereis crossiandi	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
306	Neanthes acuminata	0	0	0	0	0	0	0	4	0	0	0	0	1	0	0	5
308	Nereis falsa	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
309	Nereis grayi	0	0	0	0	2	0	0	0	0	4	0	0	0	0	0	6
310	Nereis riisei	7	1	0	0	0	1	3	0	1	3	2	0	0	0	3	21
311	Nereis spp.	9	0	0	2	0	0	0	2	0	0	0	0	0	0	0	13
313	Rulliernereis sp.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	ONUPHIDAE																
316	Onuphidae spp.	0	0	1	2	0	0	0	0	1	0	2	5	0	1	0	12
317	Diopatra cuprea	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
318	Nothria sp. A	0	0	11	0	0	0	0	0	3	0	0	1	0	0	0	15
320	Onuphis nebulosus	2	0	0	0	3	0	1	5	1	2	1	0	0	0	0	15
321	Onuphis pallidula	0	0	1	0	0	0	0	0	2	0	0	1	0	0	3	7
322	Rhamphobranchium atlanticum	0	0	2	0	0	0	0	0	1	0	0	1	0	0	0	4
	OPHELIIDAE																
324	Opheliidae spp.	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
326	Armandia maculata	0	0	0	135	2	1	11	16	1	16	4	2	0	0	5	195
327	Ophelina cylindricaudata	0	0	4	0	1	11	0	0	0	0	0	2	0	0	0	18
	ORBINIIDAE																
329	Haploscoloplos foliosus	0	0	0	7	0	0	0	0	0	0	0	1	0	0	0	8
330	Haploscoloplos fragilis	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	3
331	Haploscoloplos spp.	0	0	0	6	0	1	0	0	0	0	0	0	0	0	0	7
332	Naineris bicornis	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
333	Naineris quadricuspida	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
334	Naineris spp.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
335	Phylo felix	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
336	Scoloplos acmeceps	0	0	0	25	0	0	1	0	0	0	0	0	0	0	0	26
337	Scoloplos capensis	0	7	1	0	0	1	0	3	0	0	0	3	4	0	7	35
338	Scoloplos rubra	1	1	0	0	1	0	0	1	0	0	2	2	1	0	2	11
339	Scoloplos spp.	0	0	0	3	0	2	0	0	0	0	2	0	0	0	0	7
	OWENIIDAE																
341	Myriochele oculata	6	3	2	149	11	5	19	1	7	22	13	0	0	42	10	290
342	Owenia fusiformis	0	0	0	5	0	0	0	0	0	0	0	0	1	5	1	12
	PARAONIDAE (tentative list)																
344	Paraonidae spp.	187	25	28	238	354	91	341	180	57	123	384	85	185	92	119	2249
	PECTINARIIDAE																
354	Pectinaria gouldii	0	0	0	0	0	0	0	0	0	0	4	0	2	1	0	7
	PHYLLODOCIDAE																
356	Eteone lactea	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
357	Eulalia sanguinea	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
358	Hesionura elongata	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	11
359	Phyllodoce arenae	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
360	Phyllodoce castanea	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3
363	Phyllodoce mucosa	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

STATIONS		2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
364	Phyllodoce spp.	0	0	0	4	0	1	0	2	1	3	0	0	0	0	0	11
365	Protomystides bidentata	1	1	0	0	0	0	0	0	0	0	0	2	0	0	0	4
	PILARGIDAE																
367	Pilargidae spp.	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4
369	Ancistrosyllis cf. jonesi	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
370	Ancistrosyllis hartmanae	7	0	0	0	0	0	0	0	0	28	0	0	0	0	0	35
372	Ancistrosyllis papillosa	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
373	Ancistrosyllis spp.	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
374	Cabira incerta	6	0	0	1	2	0	1	0	0	0	0	0	4	0	0	14
376	Sigambra bassi	14	0	0	27	0	0	0	1	0	0	0	0	0	0	0	42
377	Sigambra sp. A (=? tantaculata)	0	0	0	0	0	15	0	2	1	0	0	5	0	25	101	0	149
378	Sigambra spp.	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
379	Synelmis albini	12	93	162	0	15	103	1	114	134	7	239	218	85	11	100	1466
	PISIONIDAE																
381	Pisione remota	44	2	1	0	0	0	0	0	0	1	1	0	0	0	0	49
	POECILOCHAETIDAE																
382	Poecilochaetus johnsoni	0	3	2	5	2	0	0	2	0	2	3	3	0	0	3	33
	POLYNOIDAE																
383	Polynoidae spp.	1	2	0	0	0	0	0	0	2	1	0	0	0	0	0	6
384	Antinoella sp.	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
385	Harmothoe extenuata	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	11
386	Harmothoe spp.	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	6
388	Malmgrenia lunulata	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
389	Subadyte pellucida	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3
	POLYODONTIDAE																
391	Polyodontes lupina	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
392	Polyodontes spp.	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
	SABELLIDAE																
393	Sabellidae spp.	0	0	0	1	0	0	0	0	1	2	6	1	0	0	9	21
394	Branchiomma nigromaculata	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
395	Chone duneri	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
396	Chone sp.	0	16	9	0	3	1	0	3	0	0	4	0	0	0	1	37
398	Euchone sp.	0	0	0	0	0	3	0	4	3	0	0	0	0	0	2	12
399	Fabricia sp.	18	28	17	411	41	26	52	32	16	32	39	7	3	19	16	741
400	Jasmineira sp.	0	0	0	0	0	0	0	4	0	0	1	0	0	0	0	5
401	Megalomma bioculatum	0	0	0	15	1	0	0	0	0	0	0	0	3	1	0	20
402	Potamilla reniformis	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
403	Sabella microphthalma	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
404	Sabella variegata	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
	SCALIBREGMIDAE																
406	Hyboscolex longiseta	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	5
407	Scalibregma inflatum	0	1	3	0	0	3	0	0	5	0	0	0	0	0	0	12
	SERPULIDAE																
408	Serpulidae spp.	77	1	3	0	0	0	32	0	0	2	1	1	0	0	9	126
409	Hydroides bispinosa	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
410	Hydroides crucigera	24	0	0	0	0	0	0	0	0	1	0	0	0	0	0	25
412	Hydroides protulicola	5	0	0	0	0	1	10	0	0	1	0	0	0	0	2	19
413	Hydroides spp.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
414	Pseudovermiliopsis occidentalis	61	0	1	3	0	0	0	3	1	1	1	0	0	0	3	74
417	Vermiliopsis spp.	38	0	0	0	0	0	0	0	0	7	0	0	0	0	0	45
	SIGALIONIDAE																
419	Sigalionidae spp.	0	0	0	0	0	1	0	2	0	0	0	7	0	0	0	10
420	Ehlersileanira incisa	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	10
421	Pholoe minuta	0	6	1	0	0	0	0	3	0	3	1	0	0	0	10	40
423	Psammolyce etenidophora	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3

STATIONS		3	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
424	Sthenelais box	0	0	8	0	1	0	9	5	3	0	8	0	3	0	4	49
426	Sthenelais spp.	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4
	SPHAERODORIDAE																
429	Clavodorum sp.	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
	SPIONIDAE																
433	Spionidae spp.	0	0	0	14	0	1	3	3	1	0	5	0	0	0	5	32
434	Aonides mayaguensis	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	5
435	Apoprionospio dayi	0	0	0	0	0	6	5	0	5	0	0	2	0	0	0	18
436	Apoprionospio pygmaea	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
438	Laonice cirrata	0	1	0	0	0	2	0	3	2	0	0	1	0	0	1	10
439	Malacoceros ? indicus	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
440	Malacoceros vanderhorsti	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
442	Minuspio cirrifera	1	1	4	23	9	12	18	15	21	18	14	0	230	81	23	462
443	Minuspio cirrobranchiata	0	0	0	0	0	0	0	0	0	0	0	22	0	0	2	24
444	Minuspio longibranchiata	0	0	0	0	0	0	0	0	0	0	2	1	2	5	3	13
445	Minuspio sp.	2	0	0	0	3	0	0	0	0	0	0	0	0	0	0	5
446	Paraprionospio pinnata	3	0	0	4	0	0	5	9	0	1	1	0	58	2	1	86
448	Polydora sp. A	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	3
449	Polydora spp.	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	3
450	Prionospio cristata	0	5	0	0	84	0	25	46	0	59	11	0	150	30	4	414
451	Prionospio fallax	0	0	0	406	0	0	0	0	0	0	0	2	0	0	0	408
452	Prionospio steenstrupi	0	11	5	0	0	4	0	3	1	0	18	4	0	0	21	69
453	Prionospio spp.	0	2	3	0	0	1	0	0	4	0	0	4	0	4	3	23
454	Rhynchospio glutaeus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
455	Scolecolepides viridis	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4
456	Scolelepis squamata	1	1	0	0	0	2	0	0	0	0	0	0	0	0	0	4
458	Spio pettiboneae	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
459	Spio spp.	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
460	Spiophanes berkleyorum	0	0	0	0	7	14	0	1	1	0	7	0	0	0	0	30
461	Spiophanes bombyx	0	0	0	0	0	0	1	1	0	0	1	0	0	0	3	6
462	Spiophanes wigleyi	0	0	4	0	0	0	0	0	2	0	1	3	0	0	0	10
	STERNASPIDAE																
464	Sternaspis sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	SYLLIDAE																
465	Syllidae spp.	0	1	2	0	2	27	1	3	1	3	3	0	0	0	0	43
467	Autolytus sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
468	Autolytus spp.	0	0	0	0	0	0	0	0	0	0	1	2	0	0	1	4
470	Brania clavata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
471	Ehlersia cornuta	0	4	0	0	0	0	0	0	5	4	3	0	0	0	0	16
472	Ehlersia ferrugina	4	1	1	0	0	0	0	0	0	0	0	4	0	0	0	12
473	Ehlersia sp. A	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3
475	Eurysyllis tuberculata	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
476	Eusyllis longicirrata	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
477	Eusyllis sp. A	3	0	0	0	3	1	0	1	0	15	3	0	0	0	7	33
478	Eusyllis spp.	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	3
479	Exogone arenosa	1	0	0	0	0	0	0	0	0	0	0	0	0	0	13	14
480	Exogone atlantica	1	0	0	0	0	0	0	5	0	0	0	0	0	0	1	7
481	Exogone dispar	3	3	1	3	1	0	47	3	0	9	9	2	0	10	0	99
482	Exogone hebes	1	0	0	0	0	0	0	0	0	0	0	0	0	0	7	8
483	Exogone lourei	0	0	0	0	0	0	0	2	0	0	4	0	0	0	0	6
484	Exogone uniformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
485	Exogone sp. A	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
486	Exogone spp.	0	0	0	0	0	0	0	0	4	0	0	0	1	0	0	5
487	Haplosyllis spongicola	0	0	2	0	0	0	0	0	1	0	0	0	0	1	5	9
488	Odontosyllis fulgarans	5	0	0	0	5	2	1	3	2	0	0	0	0	0	1	19

STATIONS		2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
489	Odontosyllis longiseta	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
490	Parapionosyllis longicirrata	18	0	4	0	0	3	0	0	2	2	0	3	0	0	3	27
492	Pionosyllis uraga	0	3	0	0	0	0	0	0	0	2	2	0	0	0	1	8
494	Pionosyllis sp. E	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	21
495	Pionosyllis spp.	0	6	1	0	0	0	0	1	0	0	0	0	0	0	0	8
496	Plakosyllis quadrioculata	18	2	0	1	0	0	0	0	1	0	0	0	0	0	2	16
498	Sphaerosyllis aciculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
499	Sphaerosyllis glandulata	0	0	0	0	0	14	0	0	0	0	0	0	0	0	1	15
500	Sphaerosyllis magnadentata	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
501	Sphaerosyllis taylori	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
502	Sphaerosyllis spp.	1	7	11	0	0	1	0	7	6	13	2	15	0	7	4	74
503	Syllis gracilis	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
504	Trypanosyllis sp. A	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
505	Trypanosyllis vittigera	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
507	Typosyllis alternata	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
509	Typosyllis cf. hyalina	30	5	0	0	0	1	0	2	9	0	1	2	0	0	5	55
510	Typosyllis regulata carolinae	14	3	0	0	0	0	0	0	0	4	0	0	0	0	0	21
511	Typosyllis sp. A	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
512	Typosyllis sp. B	11	3	0	0	0	0	0	3	0	0	0	0	0	0	0	17
513	Typosyllis variegata	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
514	Typosyllis spp.	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
	TEREBELLIDAE																
517	Terebellidae spp.	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	3
518	Amaeana accraensis	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4
519	Amaeana trilobata	0	2	0	0	0	6	0	1	0	1	1	0	0	0	0	11
520	Loimia medusa	0	0	1	0	0	0	0	0	0	2	0	1	0	0	0	4
521	Pista cristata	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
522	Pista palmata	0	1	0	0	0	0	0	2	0	0	3	0	0	0	0	6
523	Pista quadrilobata	0	0	1	0	0	0	0	0	1	0	0	1	0	0	1	4
524	Pista spp.	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
525	Polycirrus carolinensis	1	3	0	0	0	0	0	2	1	0	0	1	0	0	2	10
526	Polycirrus eximius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
527	Polycirrus spp.	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	4
528	Thelepus setosus	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2
	TRICHOBRACHIDAE																
530	Terebellides stroemii	1	3	14	23	2	3	2	1	19	0	5	13	13	0	0	99
531	Trichobranchus glacialis	0	0	0	0	0	11	0	1	0	0	0	0	0	0	0	12
533	Polychaete sp. A	0	1	3	0	0	2	0	0	0	0	0	0	0	0	0	6
534	Polychaete sp. B	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
535	Polychaete sp. C	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	4
	OLIGOCHAETA																
538	Oligochaeta spp.	205	43	7	96	113	7	111	72	0	187	127	10	154	233	103	1474
SIPUNCULA																	
540	Aspidosiphon spp.	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	8
541	Golfingia sp.	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
542	Golfingiidae spp.	0	3	0	0	0	14	2	0	0	0	0	0	0	0	0	35
543	Paraspidosiphon spp.	19	0	0	14	0	0	0	0	0	0	0	0	0	0	0	33
544	Phascolion spp.	5	0	0	0	3	0	0	0	0	0	0	0	0	0	0	8
545	Sipunculidae spp.	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
546	Sipuncula spp.	13	0	0	3	2	0	6	0	37	16	13	46	18	74	21	249
ECHIURIDA																	
547	Echiurida spp.	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
ARTHROPODA																	
PYCNOGONIDA																	
548	Pycnogonida spp.	0	0	0	1	0	0	1	0	1	0	0	1	0	0	0	4

STATIONS	2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
CRUSTACEA																
COPEPODA																
549 Copepoda spp.	28	4	2	32	0	6	95	14	5	13	16	4	7	11	29	276
CUMACEA																
550 Bodotriidae sp. A	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	3
551 Bodotriidae sp. B	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
552 Campylaspis sp. A	0	0	0	0	0	1	0	1	0	0	1	9	0	0	5	17
553 Campylaspis sp. B	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2
554 Campylaspis sp. C	0	0	0	0	0	0	0	5	1	0	5	0	0	0	0	11
555 Campylaspis sp. D	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	5
556 Campylaspis sp. E	0	0	0	0	0	0	0	0	0	10	0	0	0	0	3	13
557 Campylaspis spp.	2	0	9	0	0	0	0	0	1	0	0	0	0	0	0	12
558 Diastylidae sp. A	0	0	0	0	0	6	0	0	3	0	0	0	0	0	0	9
559 Diastylidae sp. B	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	4
560 Cumella cf. tripunctata	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	15
561 Cumella sp. A	1	0	0	12	0	0	20	0	0	0	10	2	0	0	31	76
562 Cumella sp. B	1	0	0	0	0	1	25	10	0	0	22	0	1	0	0	60
563 Cumella sp. C	0	0	0	0	0	0	0	2	0	0	0	0	0	4	6	12
564 Cumella sp. D	0	0	0	0	0	0	0	5	0	0	0	0	0	0	1	6
565 Cumella sp. E	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
566 Cumella sp. F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10
567 Cyclaspis cf. unicornis	2	0	0	3	0	0	10	0	0	1	1	0	0	0	1	18
568 Cyclaspis sp. A	0	0	0	4	0	0	57	0	0	0	1	0	0	0	0	62
569 Cyclaspis sp. B	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	11
570 Cyclaspis sp. C	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
571 Eudorella sp. A	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
572 Gigacuma sp. A	0	0	0	0	0	2	0	0	2	0	0	1	0	0	0	5
573 Leptostylis sp. A	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
574 Leucon sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
575 Nannastacus sp. A	0	0	0	0	0	0	0	0	4	0	0	3	0	0	0	7
576 Oxyurostylus cf. smithi	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
577 Oxyurostylus sp. A	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
578 Oxyurostylus sp. C	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
579 Sympodomma sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
580 Vaunthompsonia sp. A	0	0	0	1	0	0	0	0	0	0	3	1	1	0	2	16
STOMATOPODA																
586 Eurysquilla plumata	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	2
587 Lysiosquillidae sp. A	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
588 Squilla sp. A	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
589 Squilla sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
OSTRACODA																
591 Actinoseta chelisparsa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
592 Asteropella spp.	0	0	0	0	0	0	4	0	0	2	0	0	0	0	0	6
593 Cytheleberis americana	0	0	0	0	3	0	2	1	0	0	0	0	0	0	1	7
594 Cylindroleberidinae spp.	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	4
595 Halocyprididae (pelagic) spp.	0	0	0	0	2	0	0	3	0	0	0	0	0	5	3	13
596 Haplocytherida setipuncta	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3
597 Harbansus sp. 1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
598 Harbansus sp. 2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
599 Harbansus spp.	1	0	0	4	1	4	7	2	0	0	3	7	5	2	14	56
600 Myodocopa spp.	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5
601 Paracypridina n. sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
602 Pasterope pollex	0	0	0	3	0	0	12	5	5	0	2	1	49	0	0	77
603 Podocopida sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
604 Podocopida sp. C	1	2	0	0	1	0	7	1	0	0	0	0	0	0	0	12

STATIONS	2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
405 Podicopida sp. H	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
406 Podicopida sp. J	0	0	0	0	0	0	6	0	0	0	0	0	2	0	0	8
407 Podicopida sp. K	0	0	0	0	0	0	3	0	0	0	0	0	0	0	2	5
408 Podicopida sp. L	0	0	0	0	14	0	1	0	0	0	2	1	0	6	0	24
409 Podicopida sp. M	0	0	0	0	2	4	2	0	0	0	0	1	0	10	0	19
410 Podicopida sp. S	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	4
411 Podicopida spp.	0	0	0	5	0	0	0	0	0	0	0	0	0	0	9	14
412 Pseudophilmedes sp. 2	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	3
413 Pseudophilmedes spp.	0	0	2	0	0	2	0	0	1	1	0	3	1	0	1	11
414 Rutiderma mollitum	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6
415 Rutiderma sp. 1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4
416 Rutiderma sp. 2	7	2	0	9	0	0	0	0	0	0	0	0	0	0	0	18
417 Rutiderma sp. 3	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
418 Rutiderma spp.	0	0	0	0	5	0	15	10	3	28	11	0	0	0	15	87
419 Sarsiella capillaris	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
420 Sarsiella disparalis	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
421 Sarsiella sp. 2	3	5	7	7	0	0	0	0	0	0	0	0	0	0	0	22
422 Sarsiella sp. 4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
423 Sarsiella sp. 5	0	0	1	0	0	0	15	0	0	0	6	0	0	0	0	22
424 Sarsiella sp. 6	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
425 Sarsiella sp. 7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
426 Sarsiella nr. sp. 1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
427 Sarsiella nr. sp. 2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
428 Sarsiella spp.	0	0	0	0	1	7	0	17	26	2	0	10	3	4	54	124
429 Siphonostra sp.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
430 Skogsbergia lerneri	0	0	0	0	0	0	0	0	2	3	0	0	0	0	0	5
TANAIDACEA																
434 Apseudes probinquus	2	0	0	0	0	0	0	0	0	32	0	0	0	0	0	34
437 Apseudes sp. A	0	14	0	0	0	0	3	2	2	0	2	13	0	0	12	48
438 Apseudes sp. B	0	0	0	0	0	0	0	0	0	36	0	2	0	0	0	38
439 Apseudes sp. C	0	0	0	0	0	0	0	0	0	0	3	0	0	0	13	24
440 Apseudes sp. D	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2
441 Cirratodactylus floridensis	0	0	0	0	0	0	0	0	0	23	1	0	0	0	2	26
442 Kalliapseudes sp. A	0	12	6	0	0	0	0	1	0	83	0	0	0	0	0	102
443 Kalliapseudes sp. B	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
444 Leptocheila sp. A	19	0	0	7	3	0	48	8	0	28	3	0	0	1	3	112
445 Leptocheila sp. B	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	3
446 Paratanaidae sp. A	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
447 Pseudotanais sp. A	0	0	0	9	0	0	0	0	0	0	1	0	0	0	0	10
ISOPODA																
449 Aega antillensis	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
450 Anthuridae spp.	0	5	1	0	24	4	0	7	11	11	30	17	51	11	12	184
451 Cirolana parva	1	2	0	0	0	1	0	5	0	0	1	2	0	0	0	12
452 Edotea montosa	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
453 Edotea sp.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
454 Eurydice piperata	0	0	11	0	0	0	0	0	6	3	0	0	0	0	0	20
455 Gnathoidea spp.	0	2	1	0	0	4	0	1	3	0	0	4	0	0	0	15
456 Munna spp.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	11	12
457 Serolidae sp.	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
458 Serolis mgrayi	4	1	0	0	0	0	4	5	1	1	2	5	0	0	5	28
459 Isopoda spp.	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3
AMPHIPODA																
465 Acanthonotozomidae sp. A	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
466 Ampelisca agassizi	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	5
467 Ampelisca cristata microdentata	0	0	0	0	0	0	4	0	0	6	0	0	0	0	0	10

STATIONS		2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
668	Ampelisca holmesi	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
669	Ampelisca sp. A	3	0	1	0	0	0	4	0	0	0	0	0	44	0	5	57
670	Ampelisca sp. B	0	3	0	0	0	0	28	0	1	7	1	3	0	0	0	43
671	Ampelisca sp. D	0	2	1	0	0	0	100	0	0	0	6	0	3	0	6	118
672	Ampelisca sp. E	0	0	0	15	7	3	0	0	0	0	0	0	0	0	0	25
673	Ampelisca spp.	0	0	0	0	6	0	0	0	1	2	0	1	0	0	1	11
674	Amphilochidae sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
675	Amphilochus sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
676	Aoridae genus A	9	0	1	17	0	0	7	0	2	0	0	0	0	0	1	37
677	Aoridae sp. B	0	0	0	0	0	0	7	0	1	0	0	0	0	0	0	8
678	Aoridae spp.	7	0	6	0	0	0	53	0	7	2	3	4	0	0	0	82
679	Anteidae sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
680	Carinobutea sp. A	2	11	0	0	0	0	0	5	0	7	0	0	0	0	4	29
681	Ceradocus spp.	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	25
682	Cerapus sp. A	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	4
683	Colomastix sp. A	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
684	Corophium sp. A	1	14	2	0	0	3	1	0	0	0	0	0	0	0	0	21
685	Corophium sp. B	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
686	Corophium nr. tuberculatum	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
687	Corophium spp.	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5
688	Elasmopus sp. A	1	0	0	0	0	0	0	2	0	7	0	0	0	0	0	10
689	Elasmopus sp. B	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
690	Elasmopus spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
691	Erichthonius brasiliensis	0	0	0	0	0	0	56	0	0	0	0	0	0	0	0	56
692	Erichthonius sp. A	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
693	Garosyrrhoe sp. A	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2
694	Harpinia sp. A	0	0	3	0	0	0	1	2	1	0	4	0	0	0	5	16
695	Harpinia sp. B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
696	Heterophoxus sp. A	0	0	0	0	0	0	38	0	0	0	1	0	0	0	0	39
697	Hippomedon sp A	0	0	0	0	4	0	0	2	9	0	0	33	0	0	11	59
698	Idunella sp. A	1	0	0	0	1	1	0	0	0	0	0	1	0	0	0	4
699	Idunella sp. B	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
700	Jerbarnia sp. A	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	5
701	Lembos sp. A	0	0	0	0	0	0	96	1	0	95	0	0	0	0	4	196
702	Lembos sp. B	1	0	0	0	0	0	0	0	0	49	2	0	0	0	0	52
703	Lembos spp.	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	4
704	Lestrigonus cf. bengalensis	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	3
705	Leucothoe sp. A	0	0	1	0	0	0	0	0	0	0	3	1	0	0	0	5
706	Listriella barnardi	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
707	Listriella corinata	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
708	Lysianassidae sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
709	Lysianassidae spp.	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
710	Lysianassidae spp.	0	0	0	0	0	1	0	0	0	0	5	0	0	0	0	6
711	Lysianopsis sp. A	0	0	0	0	0	1	0	4	0	12	2	0	0	0	2	21
712	Maera sp. A	19	3	0	0	0	0	1	0	0	40	0	0	0	0	17	80
713	Maera sp. B	0	0	0	0	0	0	0	3	0	20	0	0	0	0	0	23
714	Melita appendiculata	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	7
715	Melitidae sp. A	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2
716	Melitidae sp. C	1	0	0	0	0	0	1	0	0	0	2	1	0	2	3	10
717	Melitidae sp. D	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
718	Metharpinia floridana	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	12
719	Microdeutopus myersi	1	0	0	0	0	0	142	10	0	77	0	0	0	0	0	230
720	Microdeutopus sp. A	0	0	0	50	0	0	0	0	0	0	0	0	0	0	3	53
721	Microdeutopus spp.	0	0	0	0	0	0	0	7	1	0	0	0	0	0	4	12
722	Monoculodes spp.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2

STATIONS		2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
723	Monoculodes cf. ayei	0	0	1	2	1	0	0	0	1	0	0	0	0	0	1	6
724	Oediceros sp.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
725	Oedicerotidae spp.	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
726	Phistica marina	0	0	1	2	0	0	33	1	4	1	0	1	0	0	4	47
727	Photis sp. A	0	0	0	0	0	2	133	0	0	0	0	0	0	0	2	145
728	Photis sp. B	0	0	0	0	0	0	0	0	0	0	2	0	0	3	3	8
729	Photis spp.	0	2	0	0	0	0	0	0	2	2	0	0	0	0	0	6
730	Phoxocephalidae sp. A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
731	Phoxocephalidae spp.	0	0	0	5	0	0	4	0	0	0	0	0	0	0	0	9
732	Platyschnopus-like (new genus)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
733	Podocerus sp. A	0	0	0	0	0	0	74	1	0	0	0	0	0	0	1	76
734	Rhepoxynius epistomus	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	3
735	Stenothoeidae sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
736	Synchelidium americanum	0	0	0	3	0	0	4	4	0	0	4	0	1	0	0	16
737	Synopiidae sp. A	0	0	1	0	0	2	0	0	0	0	0	5	0	0	1	9
738	Synopiidae sp. B	0	0	3	0	0	0	0	3	0	0	0	0	0	0	0	6
739	Synopiidae sp. C	0	0	0	0	0	0	0	0	1	0	0	3	0	0	0	4
740	Tiron tropakis	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
741	Tiron sp. A (nr. sp. Goeke)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
742	Unciola serrata	0	0	0	0	0	3	0	0	1	0	0	0	0	0	2	6
743	Unciola cf. serrata	0	1	0	0	1	0	0	0	0	5	0	0	0	0	0	7
744	Westwoodilla sp. A	0	0	0	0	0	0	0	4	0	0	1	1	0	0	0	6
745	Amphipoda spp.	1	0	0	0	0	0	5	0	3	1	0	2	0	1	0	13
	MYSIDACEA																
756	Anchialina typica	5	0	0	0	1	0	0	5	0	1	0	0	0	0	0	12
757	Bowmaniella mexicana	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
758	Bowmaniella pictericensis	0	0	0	0	0	0	1	0	0	7	0	0	0	0	0	8
759	Bowmaniella spp.	0	0	0	0	1	0	0	5	0	21	0	0	0	0	0	27
760	Heteromysiodes spongicola	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
761	Mysidopsis furca	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	10
	DECAPODA																
	DENDROBRANCHIATA																
	PENEIDAE																
765	Lucifer faxoni	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
766	Sicyonia spp.	3	0	0	0	0	0	2	0	0	0	0	0	0	0	1	6
767	Peneidae spp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
	PLEOCYEMATA																
	ALPHEIDAE																
768	Alpeopsis-like genus A	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
769	Alpheus floridanus	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
770	Alpheus cf. floridanus	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
771	Alpheus sp. A	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
772	Alpheus sp. B	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3
773	Alpheidae spp.	1	0	0	0	0	0	0	4	0	0	0	0	0	1	0	6
774	Automate cf. evermanni	0	4	6	6	1	0	1	7	0	3	7	0	6	2	2	45
775	Caridean spp.	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2
776	Salmoneus sp. A	0	0	0	0	0	0	0	2	0	0	2	0	0	0	1	5
777	Synalpheus cf. townsendi	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
	HIPPOLYTIDAE																
778	Latreutes cf. fucorum	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	PASIPHAEIDAE																
779	Leptochela papulata	0	0	7	0	0	0	0	2	0	0	1	0	0	0	2	14
780	Leptochela serraterbita	0	0	0	0	1	0	0	0	0	3	0	0	0	0	0	4
	PALAEMONIDAE																
781	Periclimens americanus	2	0	0	0	0	0	0	1	0	0	1	0	0	0	0	4

STATIONS		2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
	PROCESSIDAE																
782	Processa cf. bermudensis	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
783	Processa hemphilli	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
784	Processa vicina	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
785	Processa sp. A	0	0	0	0	0	0	0	5	0	2	0	1	0	0	0	8
786	Processa spp.	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	AXIIDAE																
787	Axiidae sp. A	0	0	0	0	2	0	0	5	1	0	2	0	0	0	1	11
	PAGURIDAE																
788	Aqariocchirus sp.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
789	Paguridae spp.	8	1	1	4	0	1	3	2	1	2	0	0	0	0	0	23
790	Paguristes spp.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
791	Pagurus cf. bullisii	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
792	Phimochirus sp.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	CALLIANASSIDAE																
793	Callianassa marginata	0	1	0	0	0	9	0	0	2	0	0	4	0	0	0	16
794	Callianassa cf. marginata	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	12
795	Callianassa sp. A	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2
796	Callianassa sp. B	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2
797	Callianassa sp. C	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	7
798	Callianassa spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
	GALATHEIDAE																
799	Munida cf. irrasa	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
	UPOGEBIIDAE																
800	Upogebia sp. A	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2
	DORIPPIDAE																
801	Clythrocerus sp.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
802	Clythrocerus cf. stimpsoni	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	LEUCOSIIDAE																
803	Leucosiidae sp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
804	Mesorhoea serspinosa	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	MAJIIDAE																
805	Majiidae spp.	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
	XANTHIDAE																
806	Micropanope spp.	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
	PINNOTHERIDAE																
807	Pinnixa sp. A	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
808	Pinnixa sp. B	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	PORTUNIDAE																
809	Portunus sp.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	RANINIDAE																
810	Ranilia muricata	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
811	Raninoides laevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
812	Brachyuran A	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3
813	Brachyuran D	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
ECHINODERMATA																	
	HOLOTHUROIDEA																
814	Holothuroidea sp. A	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
815	Holothuroidea spp.	0	0	0	2	3	0	0	1	2	0	6	0	0	0	2	16
	ECHINOIDEA																
816	Echinocardium spp.	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	3
817	Echinoidea spp.	9	0	0	2	0	0	0	0	2	1	0	1	0	0	0	15
	STELLEROIDEA																
	OPHIUROIDEA																
818	Amphiuridae spp.	3	9	4	0	9	13	0	0	0	0	0	0	0	0	0	38

STATIONS	2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
819 Ophiuroidea sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
820 Ophiuroidea sp. B	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
821 Ophiuroidea sp. C	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
822 Ophiuroidea sp. D	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4
823 Ophiuroidea sp. E	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
824 Ophiuroidea spp.	0	0	0	19	7	0	4	34	0	3	21	0	17	4	26	145
POGONOPHORA																
825 Pogonophora spp.	0	1	0	0	4	1	0	2	1	1	1	1	1	3	7	23
HEMICHORDATA																
826 Hemichordata spp.	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	3
CHORDATA																
CEPHALOCHORDATA																
827 Branchiostoma caribaeum	34	1	0	1	6	0	1	0	0	3	1	0	0	0	0	47
UROCHORDATA																
828 Amaroecium spp.	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	25
829 Ascidiacea spp. (colonial)	0	0	2	0	1	0	0	7	1	0	5	1	0	0	2	19
830 Molgulidae spp.	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	4
PISCES																
831 Gymnothorax sp. (Moray Eel)	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
TOTALS	2017	830	674	2856	1571	994	2841	1465	1141	1964	2837	1138	1857	1588	2088	24965
TOTAL SPP.	181	147	126	110	120	135	131	184	143	138	177	140	74	83	208	678

SPECIES AND DATA LIST — SPRING CRUISE (1981) —

STATIONS	2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
PORIFERA																
.5 Porifera sp.	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	2
CNIDARIA																
HYDROZOA																
1 Hydroid sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
ANTHOZOA																
2 Anemone sp.	0	0	1	0	0	0	0	0	1	5	11	0	4	0	0	22
3 Athenaria sp.	0	0	0	0	0	2	0	1	2	0	0	0	2	0	0	7
3.1 Octocoralia sp.(frag.)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
4 Thenaria sp.	0	0	0	0	0	0	0	3	0	0	0	0	0	0	1	4
PLATYHELMINTHES																
5.1 Polycladida sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
5.2 Turbellaria sp.	2	1	0	0	0	0	0	4	0	5	3	0	2	0	1	24
NEMERTINA																
6 Nemertina spp.	121	54	25	14	41	31	129	139	30	210	141	12	100	130	57	1342
KINORHYNCA																
PRIAPULIDA																
8 Tubiluchus corallicola	0	1	0	0	0	0	0	0	0	0	0	0	1	0	10	12
9 Priapulida spp.	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
NEMATODA																
10 Nematoda spp.	1404	107	40	327	373	31	186	232	36	789	214	26	301	144	94	4304
BRYOZOA																
11 Selenaria spp. (colonial)	4	24	6	1	65	12	23	36	18	34	21	3	0	0	49	296
12 Bryozoa spp.	0	0	5	0	1	5	0	5	4	0	2	1	0	0	0	23
PHORONIDA																
13 Phoronis architecta	0	0	1	0	0	0	0	0	0	2	1	0	14	0	0	18
BRACHIOPODA																
15 Glottidia pyramidata	51	4	1	10	6	0	5	0	0	2	11	4	11	2	7	118
16 Platidia claspydra	0	0	29	0	0	6	0	1	7	0	0	38	0	0	0	83
MOLLUSCA																
POLYPLACOPHORA																
17 Ishnochiton spp.	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
GASTROPODA																
19.4 Acilis sp.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
19.5 Acteocina sp.(juv.)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
20.1 Acteon spp.	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4
21.1 Anachis sp.	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
21.2 Atys caribaea	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	10
21.3 Bellaspira pentagonalis	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
21.4 Brachycythara barbarae	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
21.5 Buccinacea sp.(juv.)	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	6
23.1 Caecum floridanum	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
23.2 Caecum nitidum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
24.1 Caecum cf. pulchellum	1	3	0	0	0	0	3	0	0	0	0	0	0	0	0	7
24.2 Caecum ryssotitum	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5
25 Caecum sp.	0	0	0	4	1	0	0	0	0	1	2	0	0	42	0	70
25.1 Calliotropis calatha	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
25.2 Calyptraea centralis	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
25.3 Cerithiopsidae sp.(juv.)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
27.1 Crepidula sp.(juv.)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	3
28.1 Cryoturris sp.	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	2
29.05 Cylichna sp.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
29.1 Cylichnella bidentata	0	0	0	0	0	0	0	0	1	0	0	0	5	0	0	6
31.1 Diodora sp.(juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
31.2 Eulima sp.	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	3

SPECIES AND DATA LIST — SPRING CRUISE (1981) —

STATIONS	2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
31.3 Kalimella sp.	0	0	0	0	0	0	4	0	0	1	1	0	0	1	0	9
31.4 Pinella dubia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
31.5 Fusinidae sp.(juv.)	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2
31.6 Ganesa sp.	0	0	0	0	0	0	0	0	0	4	0	0	1	0	0	5
31.7 Ithycythara parkeri	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
31.8 Ithycythara pentagonalis	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
31.9 Jaspidilla sp.(juv.)	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
31.91 Mangelia sp.(juv.)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
31.92 Marginella aureocincta	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
31.93 Marginella hartleyanum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Marginella sp.	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
34 Mitrella lunata	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
34.1 Murex blakeanus	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
37.1 Nassarius albus	0	0	0	0	0	1	0	1	5	0	0	4	0	0	0	11
37.2 Natica marochiensis	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
37.3 Nise aeglees	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
38 Natica sp.	2	0	0	2	4	0	1	0	0	0	0	0	0	0	1	12
38.85 Nudibranchia sp.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
38.1 Oceanebrina sp.(juv.)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
38.2 Odostomia sp.	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3
43 Olivella spp.	0	1	0	0	0	2	3	0	0	0	0	0	0	0	0	6
43.1 Philine sagra	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	3
43.3 Pyrunculus caelatus	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
43.4 Rimula frenulata	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
43.5 Rissoina sp.(juv.)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
43.6 Sequenzia monocingulata	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
43.7 Sigatica carolinensis	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
43.8 Solariella lacunella	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
43.9 Strombiformis bilineatus	0	1	0	1	0	1	0	1	0	0	2	1	1	0	0	8
44.1 Terebra protexta	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
46 Turbonilla conradi	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
47 Turbonilla spp.	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
47.1 Turridae sp.(juv.)	0	0	0	0	0	0	0	0	1	2	0	1	0	0	0	4
47.2 Turritellidae sp.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
47.3 Utriculastra canaliculata	0	1	0	2	0	0	1	1	0	0	1	0	1	7	2	16
47.6 Vitrinella cf. helicoidea	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
47.7 Vitrinellidae sp.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
48.1 Volvulella sp.	1	0	0	5	0	0	4	0	0	0	0	0	0	2	2	14
49 Gastropoda spp.	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
AMPHINEURA																
55 Aplacophora sp. A	0	7	21	0	0	15	0	17	22	1	38	7	0	2	9	131
56 Aplacophora sp. B	0	0	2	0	0	16	0	0	6	0	0	14	0	0	0	38
57 Aplacophora sp. C	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	4
57.1 Aplacophora sp. D	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
BIVALVIA																
58.1 Abra sp.	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3
58.2 Aequipecten sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	18
58.3 Amygdalum papyrium	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
59 Amygdalum spp.	1	0	4	0	1	0	3	1	0	0	0	0	0	0	0	10
60 Anodontia spp.	0	0	0	0	0	0	0	0	0	0	0	0	44	0	3	47
61.1 Argopecten sp.	0	2	0	0	2	3	0	1	0	0	3	0	0	4	0	15
61.15 Astropecten sp.(juv.)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
61.2 Atrina serrata	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
61.3 Atrina sp.(juv.)	0	0	0	0	0	0	0	0	0	0	0	0	1	10	0	11
62 Basterotia spp.	0	3	0	0	0	0	0	5	0	0	0	0	9	3	0	20

STATIONS	2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
62.1 Cardiomya costellata	0	2	2	0	1	0	0	0	0	0	0	2	0	0	4	11
63 Cardiomya spp.	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	11
64.1 Chione sp.(juv.)	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
64.2 Chlamy benedicti	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
64.3 Cooperella sp.	0	0	0	0	0	0	0	0	0	0	0	0	5	4	0	9
65 Corbula contracta	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	4
66 Corbula spp.	4	0	0	0	0	0	7	7	1	4	7	0	0	0	0	34
68 Crassinella martinicensis	0	0	0	0	0	0	0	0	0	0	0	0	0	1	15	16
69 Crassinella spp.	4	20	0	0	9	0	1	4	0	7	2	0	0	0	0	47
70 Crenella divaricata	0	4	0	0	0	0	11	0	0	0	0	0	0	0	0	23
70.1 Cuminqia sp.(spat)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
72.2 Cyclinella tenuis	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
72.3 Cyclinella sp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
73.4 Dacrydium sp.	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
73 Divaricella quadrisulcata	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	7
73.1 Dosinia sp.(juv.)	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
73.2 Ervilia concentrica	0	0	0	0	0	0	0	0	0	12	0	0	0	0	1	13
73.3 Ervilia sp.(spat)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
73.35 Eucrassatella speciosa	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	3
73.5 Gemtensia demissa	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
73.7 Glans sp.	0	3	0	0	0	0	0	0	0	1	0	0	0	0	0	4
73.8 Glycymeris americana	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
73.9 Glycymeris sp.(juv.)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
74.5 Hiatella artica	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
76 Laevicardium pictum	0	0	0	0	0	0	0	1	0	0	1	0	0	0	12	14
76.5 Laevicardium sowerbyi	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
77 Laevicardium spp.	3	0	0	0	0	0	0	0	0	0	0	0	0	14	0	19
77.5 Lima pellucida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
78 Lima sp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
78.1 Limea bronniana	0	0	2	0	0	0	0	1	0	2	1	0	0	0	0	6
78.2 Limidae sp.(spat)	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
79.5 Limopsis cf. sulcatus	0	0	4	0	0	0	0	0	1	0	0	0	0	0	0	5
80 Linga leucocyma	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2
80.5 Linga sp.(juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	5	7	12
81.5 Lucina cf. muricata	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	14
82 Lucina radians	19	11	0	133	142	1	151	0	0	0	48	0	61	133	78	749
82.5 Lucina cf. radians	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
83 Lucina spp.	0	4	0	2	2	0	0	0	0	1	2	0	0	0	0	11
83.5 Lucinidae spp.(spat)	0	0	22	1	0	0	0	0	1	0	0	3	0	0	2	37
84 Lyonsia hyalina floridana	1	0	0	0	0	0	13	0	0	0	10	4	16	89	15	148
84.5 Lyonsia sp.	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	3
86 Macoma spp.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
87 Macrocallista spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	9
88.5 Modiolus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
90 Musculus sp.	1	0	0	0	2	0	0	0	0	0	0	0	0	1	43	47
90.1 Myidae sp.(juv.)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
90.2 Myonera sp.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
90.3 Mysella sp.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
90.4 Mytilidae sp.	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	10
90.5 Nemocardium pernabile	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	3
91.1 Nemocardium sp.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
91.2 Nuculana concentrica	0	4	0	0	0	0	0	0	7	0	0	1	34	23	16	85
91.3 Nuculana sp.	0	0	1	0	0	15	0	0	2	0	2	1	0	0	0	21
91.4 Nucula sp.(?proxima)	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3
91.5 Pallioium cf. leptaleum	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1

STATIONS	2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
91.6 Pallioium spp.(juv.)	0	0	0	0	0	1	0	8	2	0	1	3	0	0	0	15
92 Parvalucina blanda	0	0	0	0	2	0	46	3	0	0	4	0	0	0	1	56
94 Pectinidae sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
96 Pholadidae sp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
96.1 Pitar fulminatus	0	10	1	0	0	0	0	0	0	0	0	0	0	0	0	11
96.2 Pitar sp.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
97.1 Plicatula gibbosa	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
97.2 Plicatula cf. gibbosa	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
97.3 Peronya cf. microrhina	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
98 Semele bellastriata	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
98.1 Semele cf. bellastriata	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3
98.2 Semele nuculoides	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
98.3 Semele cf. nuculoides	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
99 Solemya occidentalis	4	0	0	0	6	0	0	0	0	0	0	0	0	0	1	11
99.5 Solemya sp.(spat)	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
100.1 Tellidora cristata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
100.2 Tellidora sp.(juv.)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
100.3 Tellina aequistriata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
100.4 Tellina cf. agilis	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4
100.5 Tellina cf. americana	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	5
100.6 Tellina gouldii	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7
100.7 Tellina martinicensis	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	7
100.8 Tellina cf. mera	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
101 Tellina squamifera	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4
101.5 Tellina sybaritica	0	0	0	0	0	0	0	2	0	0	0	0	127	51	0	180
101.6 Tellina cf. tenella	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	4
104 Tellina spp.	0	0	0	0	0	1	24	0	2	0	4	0	0	0	15	42
105 Tellinidae spp.	0	3	9	4	0	9	103	10	9	15	15	9	43	21	9	259
105.1 Transennella conradina	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
105.2 Transennella cf. cubaniana	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
105.3 Transennella sp.(spat)	0	0	0	3	0	0	0	0	0	0	1	0	0	0	0	4
105.4 Varicorbula operculata	0	2	0	0	0	0	0	2	0	0	0	0	0	15	0	19
105.5 Veneracea sp.(spat)	0	0	0	0	11	0	0	0	0	0	14	0	0	0	0	35
105.6 Venericardia sp.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
106 Veneridae spp.	0	0	0	0	0	37	13	0	68	48	0	83	0	19	2	270
106.5 Verticordia acuticostata	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
108 Bivalvia spp.	5	0	0	0	0	0	14	0	0	0	0	0	0	0	13	40
SCAPHOPODA																
118.1 Cadulus carolinensis	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
118.2 Cadulus cf. carolinensis	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
119 Cadulus agassizii	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
119.1 Cadulus cf. mayeri	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
119.2 Cadulus quadridentatus	0	0	0	0	0	0	0	0	0	0	0	1	0	11	0	12
119.3 Cadulus spp.	0	2	1	0	0	2	0	0	0	0	0	0	0	0	12	17
120.5 Dentalium sp.(pilsbryi)	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
121 Dentalium spp.	0	1	2	0	1	1	2	0	0	0	0	0	0	0	7	14
121.05 Laevidentalium didymum	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
121.1 Laevidentalium cf. didymum	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
121.3 Laevidentalium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	33	0	33
ANNELIDA																
POLYCHAETA																
ACROCIRRIDAE																
122 Acrocirrus frontifilis	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
AMPHARETIDAE																
125 Ampharetidae spp.	0	0	7	0	0	3	0	1	4	0	0	5	0	0	0	22

STATIONS		2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
126	Amage auricula	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	3
127	Ampharete acutifons	0	58	21	0	45	26	0	118	21	0	307	20	1	5	98	784
128	Ampharete americana	0	2	0	0	7	0	0	0	0	0	23	0	0	0	3	35
129	Ampharete parvidentata	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
130	Ampharete sp. A	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	21
132	Ampharete sp. C	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
133	Amphicteis gouldii	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
134	Amphicteis gunneri	1	1	0	0	0	0	0	4	2	0	2	0	0	0	1	11
135	Amphicteis sp. A	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
137	Isolda pulchella	1	0	0	0	0	0	0	0	0	5	0	0	0	0	0	6
138	Melinna maculata	0	0	0	0	0	0	0	0	3	0	0	2	0	0	0	5
	AMPHINOMIDAE																
142	Chloe viridis	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
144	Paramphinome pulchella	0	3	0	0	0	1	0	2	1	0	3	0	15	0	1	26
145	Pseudoeurythoe ambigua	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
	APHRODITIDAE																
147	Aphrodita hastata	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
	APISTOBRANCHIDAE																
	ARABELLIDAE																
151	Arabella iricolor	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2
153	Arabella mutans	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	3
154	Drilonereis sp.	0	2	1	0	0	0	0	0	1	0	1	0	0	0	2	7
	BOGUEIDAE																
	CAPITELLIDAE																
158	Capitellidae spp.	0	0	0	0	1	1	0	0	7	2	2	9	0	0	0	22
159	Capitella capitata	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
160	Capitellidae sp. A	5	1	0	0	0	0	0	0	0	0	23	4	0	0	3	44
161	Capitellidae sp. B	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
162	Dasybranchethus sp.	0	2	0	0	1	0	0	0	0	0	1	0	0	0	2	6
163	Dasybranchus lunulatus	0	0	0	6	1	0	0	0	0	0	0	0	3	0	0	10
164	Heteromastus filiformis	0	0	0	0	0	6	0	0	2	0	0	0	0	0	0	8
166.5	Leiochrus sp.	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5
167	Mediomastus spp.	31	1	3	36	5	15	92	6	4	4	11	2	98	36	14	358
169	Notomastus americanus	0	3	4	0	0	11	0	6	5	3	0	5	6	1	0	44
170	Notomastus hemipodus	3	15	0	0	6	0	5	21	9	7	11	5	17	34	20	169
171	Notomastus latericeus	0	1	2	0	11	0	0	3	0	0	2	1	6	0	0	26
172	Notomastus lobatus	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
173	Notomastus spp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	CHRYSOPETALIDAE																
175	Paleanotus heteroseta	1	41	0	1	4	1	4	34	5	16	41	2	0	0	20	170
	CHAETOPTERIDAE																
178	Spiochaetopterus oculatus	0	0	2	0	0	5	0	1	1	0	0	5	0	0	0	15
179	Mesochaetopterus sp.	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	3
180	Phyllochaeptopterus sp.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
	CIRRATULIDAE																
182	Cirratulidae spp.	0	0	0	1	0	4	0	0	0	0	0	0	0	0	0	5
185	Caulleriella spp.	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
186	Chaetosone sp. B	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
188	Chaetosone setosa	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1
189	Chaetosone spp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
190	Cirratulid sp. A	0	0	0	0	2	0	0	0	0	0	0	0	0	9	0	11
192	Tharyx annulosus	0	0	1	3	16	0	1	15	13	1	30	13	0	1	30	148
193	Tharyx marioni (=? setigera)	1	9	3	0	0	6	1	6	2	3	6	2	0	0	1	40
	COSSURIDAE																
196	Cossura delta	0	0	0	0	17	2	0	0	0	0	0	0	9	2	0	30

STATIONS		2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
	DORVILLEIDAE																
198	Dorvillea sociabilis	0	2	0	0	4	0	0	2	0	0	1	1	1	0	0	19
200	Dorvilleidae sp. E	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
201	Ophryotrocha puerilis	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
203	Protodorvillea kefersteini	0	0	22	0	0	3	1	5	0	43	6	7	0	0	1	96
204	Protodorvillea minuta	0	2	0	0	0	2	1	11	5	0	0	0	0	0	0	21
205	Schistomeringos caeca	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	3
206	Schistomeringos rudolphi	1	0	5	0	0	1	0	10	1	0	4	1	0	0	4	35
207	Dorvilleidae sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	EULEPETHIDAE																
208	Eulepethidae spp.	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
209	Grubeulepis cf. equadorensis	2	0	0	0	0	0	2	0	0	0	0	0	4	0	1	9
210	Grubeulepis gaeyi	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
213	Grubeulepis spp.	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
	EUNICIDAE																
215	Eunicidae spp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2
217	Eunice vittata	0	4	9	0	0	0	0	3	2	0	1	2	0	0	3	24
219	Lysidice ninetta	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	FLABELLIGERIDAE																
223	Diplocirrus capensis	0	0	1	0	0	1	1	0	2	0	0	0	0	0	4	11
224	Flabelligeridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	GLYCERIDAE																
225	Glyceridae spp.	0	1	0	0	1	1	1	0	13	2	3	0	0	0	2	24
226	Glycera americana	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
229	Glycera oxycephala	0	0	29	0	0	0	0	0	0	3	0	0	0	0	0	32
230	Glycera papillosa	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
232	Glycera tesselata	0	17	0	0	0	0	0	11	1	0	0	19	5	1	2	64
234	Glycera spp.	3	1	0	0	0	39	0	1	0	0	0	0	0	0	0	44
	GONIADIDAE																
236	Goniada brunnea	0	6	0	0	0	0	0	0	0	0	1	0	0	0	1	8
236.5	Goniada litterea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
237	Goniada maculata	2	0	0	0	0	0	0	2	1	1	0	0	0	0	1	7
238	Goniada teres	0	1	0	0	0	0	0	0	0	0	3	3	0	0	0	7
240	Goniada spp.	0	1	0	0	1	0	0	0	0	0	0	7	0	1	0	10
242	Goniadides carolinae	0	24	0	0	0	0	0	0	0	9	20	2	0	0	2	57
243	Goniadella sp. A	0	0	1	0	0	0	0	2	0	0	0	0	0	0	1	4
244	Goniadidae spp.	0	1	0	0	0	0	0	0	4	0	0	0	0	0	1	6
	HESIONIDAE																
245	Hesionidae spp.	0	4	0	0	0	0	0	0	0	0	0	0	1	0	0	5
246	Dalhousiella sp.	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
247	Gyptis brevipalpa	3	2	0	0	0	4	4	14	4	24	4	2	4	3	5	79
250	Hesionidae sp. A	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4
251	Podarke obscura	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
251.5	Podarke spp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
252	Micropodarke sp.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
	HETEROSPIONIDAE																
255	Heterospio catalinensis	0	2	0	0	20	0	0	0	0	0	1	0	0	0	0	23
	LUMBRINERIDAE																
257	Lumbrineridae spp.	0	2	3	0	1	11	0	0	5	0	2	3	0	0	0	27
259	Lumbrineris acuta	0	0	0	0	0	4	0	0	0	10	0	2	0	0	0	16
260	Lumbrineris coccinea	0	2	1	0	3	4	0	0	3	0	1	10	0	0	20	44
261	Lumbrineris verilli	19	18	1	0	0	0	23	2	0	1	2	0	18	83	4	171
262	Lumbrineris cruzensis	4	0	3	0	0	4	5	4	0	0	0	0	0	0	0	20
263	Lumbrineris ernesti	0	0	0	0	0	0	5	0	0	0	0	1	3	3	1	21
265	Lumbrineris januarii	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	2

STATIONS		2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
266	Lumbrineris latreilli	0	0	0	0	2	5	0	1	6	1	5	3	0	3	0	26
267	Lumbrineris paradoxa	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	2
270	Lumbrineris sp. B	0	0	0	0	0	6	0	0	1	0	0	0	0	0	0	7
	MAGELONIDAE																
273	Magelona cf. cincta	0	0	0	0	11	0	0	0	0	0	1	0	100	4	0	116
274	Magelona cf. cornuta	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
275	Magelona pacifica	5	0	0	9	1	0	0	0	0	0	0	0	0	0	0	15
276	Magelona pettibonege	22	0	0	11	47	0	72	0	0	0	0	1	237	14	0	404
277	Magelona sp. A	0	2	0	0	17	0	3	33	0	2	31	0	0	0	54	142
278	Magelona sp. B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
281	Magelona spp.	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
282	Magelonidae spp.	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2
	MALDANIDAE																
283	Asychis carolinae	0	0	0	0	1	2	0	0	2	0	0	2	0	13	1	21
283.5	Asychis sp.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
286	Clymenella torquata	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
287	Euclymene sp.	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	4
288	Macroclymene zonalis	0	9	4	2	11	3	0	3	5	1	23	0	0	0	23	92
289	Unident. Maldanid A	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
290	Maldanidae spp.	0	0	0	0	5	1	0	0	5	5	2	3	0	11	3	35
	NEPHTYIDAE																
291	Nephtyidae spp.	11	5	0	0	5	1	1	3	1	1	19	1	0	0	0	48
293	Aglaophamus verrilli	2	6	0	10	0	10	1	26	4	0	14	7	13	0	28	121
295	Nephtys bucera	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
297	Nephtys picta	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4
298	Nephtys squamosa	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	NEREIDAE																
300	Nereidae spp.	0	1	2	0	4	1	0	0	3	2	3	4	0	2	6	28
301	Certocephale oculata	0	11	0	6	37	0	2	4	11	2	32	16	0	0	9	130
304	Ceratonereis mirabilis	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
307	Nereid sp. A	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
308	Nereis falsa	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3
309	Nereis grayi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
310	Nereis riisei	1	4	0	2	0	0	2	2	0	0	2	0	0	0	2	15
312	Nicon moniloceras	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
314	Websternereis sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	ONUPHIDAE																
316	Onuphidae spp.	0	4	3	0	7	2	1	7	4	0	0	4	0	0	3	53
317.5	Diopatra tridentata	0	0	0	0	1	0	0	0	0	0	0	1	0	0	3	5
318.5	Nothria spp.	0	0	0	0	0	4	0	0	0	0	2	0	0	0	0	6
319	Onuphis macrocephala	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
320	Onuphis nebulosus	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2
321	Onuphis pallidula	24	1	16	0	0	0	0	0	2	0	2	2	0	0	6	53
	OPHELIIDAE																
326	Armandia maculata	33	17	4	3	31	3	25	27	6	20	11	1	0	1	3	185
	ORBINIIDAE																
330	Haploscoloplos fragilis	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
331	Haploscoloplos spp.	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	3
332	Naineris bicornis	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
337	Scoloplos capensis	0	1	2	0	0	0	2	9	0	0	4	0	0	0	2	20
338	Scoloplos rubra	0	1	0	0	0	0	1	0	1	4	5	0	1	0	3	16
339	Scoloplos spp.	0	0	0	0	0	0	0	0	0	0	0	1	1	0	3	5
340	Orbiniidae spp.	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2
	OWENIIDAE																
341	Myriochele oculata	13	23	3	4	4	6	20	3	0	14	18	1	0	5	22	136

STATIONS		2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
342	Owenia fusiformis	2	0	0	7	0	0	18	1	0	0	3	0	17	4	1	53
	PARAONIDAE (tentative list)																
344	Paraonidae spp.	381	58	43	113	178	187	318	121	107	147	225	86	184	125	98	2187
	PECTINARIIDAE																
354	Pectinaria gouldii	0	0	0	1	1	0	0	0	0	1	0	0	1	0	0	4
	PHYLLODOCIDAE																
357	Eulalia sanguinea	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
358	Hesionura elongata	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
359	Phyllodoce arenae	0	0	0	0	0	0	0	0	0	5	0	0	3	0	0	16
360	Phyllodoce castanea	2	2	1	1	0	0	0	1	0	1	0	1	0	0	0	9
361	Phyllodoce fragilis	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
362	Phyllodoce groenlandica	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
363	Phyllodoce mucosa	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
363.5	Phyllodoce panamensis	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
364	Phyllodoce spp.	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
365	Protomystides bidentata	0	3	0	0	0	0	0	0	1	13	0	2	0	0	0	19
366	Phyllodocidae spp.	0	2	0	2	0	0	0	0	3	6	0	0	1	0	0	14
	PILARGIDAE																
368	Ancistrosyllis groenlandica	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
370	Ancistrosyllis hartmanae	0	0	0	0	0	0	0	0	0	51	0	0	0	0	0	51
371	Ancistrosyllis ?matsumaquensis	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
373	Ancistrosyllis spp.	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	3
374	Cabira incerta	0	0	0	0	1	0	1	0	0	0	0	0	1	1	0	12
375	Pilargis sp.	0	0	0	0	0	0	0	0	0	7	1	0	0	0	1	9
376	Sigambra bassi	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
377	Sigambra tentaculata	0	0	0	0	29	1	4	2	0	0	0	0	40	174	3	253
378	Sigambra spp.	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	7
379	Synelmis albini	1	124	207	0	5	256	0	113	244	2	182	236	118	15	60	1563
	PISIONIDAE																
381	Pisione remota	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	2
	POECILOCHAETIDAE																
382	Poecilochaetus johnsoni	0	1	4	0	0	1	0	4	7	0	1	4	0	0	4	28
	POLYNOIDAE																
383	Polynoidae spp.	0	1	0	0	3	0	0	1	2	1	4	0	0	0	1	13
385	Harmothoe extenuata	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	4
386	Harmothoe spp.	0	5	3	0	1	0	0	13	0	1	4	0	10	2	5	44
387	Lepidasthenia varia	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
388	Malmgrenia lunulata	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
389	Subadyte pellucida	0	0	0	0	0	2	0	3	0	0	0	0	0	0	7	11
	POLYODONTIDAE																
391	Polyodontes lupina	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
	SABELLIDAE																
393	Sabellidae spp.	0	7	9	0	3	13	0	11	9	8	29	18	5	3	27	134
396	Chone sp.	0	0	0	0	12	0	0	24	0	1	2	0	0	0	4	43
397	Euchone incolor	0	18	28	0	0	11	0	22	8	0	14	2	0	9	9	105
399	Fabricia sp.	228	69	22	284	75	37	124	24	11	68	88	19	9	33	24	1035
400	Jasmineira sp.	0	0	2	0	0	0	4	0	0	0	0	0	0	0	0	6
401	Megalomma bioculatum	0	0	0	0	0	0	0	11	0	1	5	1	3	3	4	38
404	Sabella variegata	0	1	0	0	0	0	0	3	0	0	3	5	0	0	1	13
	SCALIBREGMIDAE																
406	Hyboscolex longiseta	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
407	Scalibregma inflatum	0	1	2	0	0	1	0	2	0	0	0	2	0	0	0	8
	SERPULIDAE																
408	Serpulidae spp.	0	4	4	0	0	1	2	2	0	0	0	4	0	0	16	37
418	Hydroides crucigera	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	2

STATIONS		2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
414	Pseudovermiliopsis occidentalis	0	14	0	0	0	3	0	0	3	0	0	4	0	0	5	37
415	Vermiliopsis annulata	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
416	Vermiliopsis infundibulum	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
417	Vermiliopsis spp.	0	4	1	0	0	0	0	0	0	4	3	1	0	0	1	14
	SIGALIONIDAE																
419	Sigalionidae spp.	0	1	0	0	0	0	0	0	0	0	3	1	0	0	2	7
420	Ehlersileanira incisa	0	0	0	0	0	0	0	0	0	0	0	0	2	7	0	9
421	Pholoe minuta	0	3	0	0	0	1	0	3	0	4	13	7	0	0	15	46
422	Pholoe spp.	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6
423	Psammolyce ctenidophora	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
424	Sthenelais boa	0	7	5	2	1	0	4	9	1	0	6	0	0	0	5	40
425	Sthenelais limicola	1	0	0	4	1	0	1	1	0	0	0	0	45	4	0	62
426	Sthenelais spp.	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	7
427	Sthenelanella ehlersi	0	3	0	0	0	1	0	0	0	0	0	0	0	0	0	4
	SPHAERODORIDAE																
429	Clavodorum sp.	0	1	0	0	0	1	0	0	0	0	0	0	0	2	1	5
430	Sphaerephesia sp.	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1
431	Sphaerodoropsis sp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
432	Sphaerodoridae spp.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	SPIONIDAE																
433	Spionidae spp.	0	13	1	18	75	13	22	18	3	20	41	6	0	0	36	258
434	Aonides mayaguesensis	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7
435	Apoprionospio dayi	2	10	2	0	2	2	1	0	4	0	2	0	0	0	0	27
437	Boccardia sp. A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
438	Laonice cirrata	0	1	0	0	0	5	0	1	1	0	0	3	0	0	7	18
440	Malacoceros vanderhorstii	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
441	Microspio pigmentata	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
442	Minuspio cirrifera	3	5	0	5	9	8	21	35	0	10	28	2	227	34	18	405
443	Minuspio cirrobranchiata	0	4	22	0	0	10	0	1	129	0	1	33	0	0	1	203
444	Minuspio longibranchiata	0	0	0	0	0	0	0	7	0	0	2	0	6	1	0	16
444.5	Minuspio polybranchiata	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	2
446	Paraprionospio pinnata	58	3	1	1	9	1	58	20	0	22	14	0	238	9	13	439
447	Polydora socialis	0	2	0	0	0	0	0	0	3	0	6	1	0	0	5	17
450	Prionospio cristata	452	19	3	45	94	0	292	280	1	82	163	0	259	249	15	1954
452	Prionospio steenstrupi	0	11	7	4	2	9	29	11	12	26	18	7	1	1	9	147
453	Prionospio spp.	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
454	Rhynchospio glutaeus	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
456	Scolelepis squamata	0	1	0	0	0	0	0	1	0	0	3	0	0	4	0	9
457	Scolelepis texana	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
458	Spio pettiboneae	0	1	17	0	2	1	0	5	1	0	2	2	0	0	10	41
460	Spiophanes berkleyorum	12	0	0	0	5	0	0	0	0	0	7	2	0	3	10	55
461	Spiophanes bombyx	12	2	0	1	1	0	2	5	2	15	9	0	0	1	2	52
462	Spiophanes wigleyi	0	0	11	0	0	10	0	1	2	0	0	0	0	0	0	24
	STERNASPIDAE																
	SYLLIDAE																
465	Syllidae spp.	0	8	2	0	0	0	0	1	12	4	0	0	0	0	2	29
466	Autolytus dentalius	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
467	Autolytus sp. A	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	3
468	Autolytus spp.	0	2	0	0	0	1	0	0	0	0	0	1	0	0	5	9
469	Branchiosyllis exilis	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
470	Brania clavata	0	6	0	0	0	7	4	14	7	0	7	0	0	0	0	45
471	Ehlersia cornuta	0	5	3	0	0	0	0	2	3	15	2	0	0	0	0	30
472	Ehlersia ferruginea	0	0	2	0	0	2	0	0	1	1	0	0	0	0	0	6
474	Ehlersia spp.	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
475	Eurysyllis tuberculata	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1

SPRING CRUISE (1981)

SPECIES AND DATA LIST

STATIONS		2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
477	Exogone arenosa	0	9	0	1	25	0	2	13	1	47	23	7	0	0	24	152
479	Exogone atlantica	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
480	Exogone dispar	0	7	0	0	2	0	0	14	0	2	10	0	0	0	5	42
481	Exogone hebes	1	9	6	2	0	6	39	6	21	14	7	5	0	27	4	147
482	Exogone hebes	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
483	Exogone laurei	0	0	0	0	0	0	0	14	0	1	17	0	0	0	10	42
484	Exogone spp.	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	2
487	Haplosyllis spongicola	0	3	5	1	0	3	0	3	1	9	17	15	0	10	5	72
488	Odontosyllis fulgarans	0	0	0	0	3	0	0	5	1	0	2	0	0	0	0	11
490	Parapionosyllis longicirrata	0	2	12	0	0	0	4	6	0	0	2	0	0	0	2	28
491	Pionosyllis procera	0	6	0	0	1	1	1	0	4	0	0	19	0	0	0	40
492	Pionosyllis uraga	0	18	2	0	0	0	0	2	0	0	1	0	0	0	0	23
493	Pionosyllis sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
494	Pionosyllis sp. E	0	0	23	0	0	0	0	1	4	0	0	1	0	0	0	29
495	Pionosyllis spp.	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
496	Plakosyllis quadrioculata	0	8	0	0	0	0	1	3	2	0	0	0	0	0	0	14
497	Procaraea sp.	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	7
502	Sphaerosyllis spp.	1	76	24	0	3	28	1	25	46	12	22	57	0	150	7	444
505	Trypanosyllis vitigera	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
507	Typosyllis alternata	0	0	12	0	0	0	0	4	1	1	10	1	0	0	0	29
508	Typosyllis amica	0	12	0	0	0	0	0	0	1	1	0	36	0	0	0	50
509	Typosyllis cf. hyalina	0	0	20	0	0	0	1	1	9	0	0	0	0	0	0	31
510	Typosyllis regulata carolinae	0	0	0	0	0	0	0	0	0	1	10	0	0	0	0	11
512	Typosyllis sp. B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
514	Typosyllis spp.	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0	6
	TEREBELLIDAE																
517	Terebellidae spp.	0	0	2	0	0	1	0	0	7	2	1	0	3	0	0	16
518	Amaeana accraensis	0	4	0	0	0	3	0	0	1	0	2	0	0	0	1	11
519	Amaeana trilobata	0	0	1	0	0	0	0	1	1	0	2	0	0	0	1	6
521	Pista cristata	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
522	Pista palmata	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	3
524	Pista spp.	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
525	Polycirrus carolinensis	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
526	Polycirrus eximius	0	1	2	0	0	0	0	0	0	0	0	2	0	0	0	5
527	Polycirrus spp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
528	Thelepus setosus	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
	TRICHOBRACHIDAE																
530	Terebellides stroemii	0	3	4	0	0	6	0	12	0	2	4	2	9	0	0	42
531	Trichobranchus glacialis	0	0	4	0	0	0	0	0	0	1	0	0	0	0	0	5
533	POLYCHAETE SP. A	0	0	10	0	0	0	0	1	10	0	0	0	0	0	0	21
	OLIGOCHAETA																
538	Oligochaeta spp.	283	49	9	19	9	0	138	128	15	111	93	0	154	404	5	1329
SIPUNCULA																	
540	Aspidosiphon spp.	0	0	0	0	0	0	0	0	3	0	6	0	0	0	0	9
540.5	Aspidosiphonidae sp.	0	0	0	0	0	0	3	6	0	15	0	0	0	0	0	24
541	Golfingia sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
542	Golfingiidae spp.	0	0	0	0	0	0	0	10	0	0	1	0	0	0	0	11
544	Phascolion spp.	0	0	0	0	0	0	0	0	1	2	0	3	0	0	0	6
545.5	Sipunculus sp.	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	4
546	Sipuncula spp.	46	25	12	23	6	29	3	0	28	4	13	43	22	164	9	419
ECHIURIDA																	
ARTHROPODA																	
PYCNOGONIDA																	
548	Pycnogonida spp.	0	0	0	0	1	2	0	1	0	0	0	0	0	1	20	25
CRUSTACEA																	

STATIONS	2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
COPEPODA																
549 Copepoda spp.	11	0	0	41	14	0	34	95	35	67	18	13	10	57	5	400
CIRRAPEDIA																
549.5 Balanus sp.(juv.)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
CUMACEA																
553 Campylaspis sp. B	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
554 Campylaspis sp. C	0	0	4	0	0	0	0	2	1	0	2	3	0	1	9	22
555 Campylaspis sp. D	0	1	0	0	0	0	0	3	1	0	0	0	0	0	0	5
556 Campylaspis sp. E	0	0	0	0	0	0	0	0	0	23	0	0	0	0	0	23
556.1 Campylaspis sp. F	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
556.2 Campylaspis sp. H	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
556.3 Campylaspis sp. I	0	0	0	0	0	0	0	0	0	0	1	0	0	14	0	15
556.4 Campylaspis sp. J	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	5
558 Diastylidae sp. A	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
559 Diastylidae sp. B	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	12
561 Cumella sp. A	0	1	0	4	0	0	4	16	0	0	10	0	0	19	4	58
562 Cumella sp. B	0	2	0	1	0	0	29	17	0	0	5	0	0	1	4	67
563 Cumella sp. C	0	0	0	0	0	0	5	8	0	0	6	1	0	0	7	35
566.1 Cumella sp. G	0	0	0	0	0	0	0	7	0	0	4	0	0	0	19	30
566.2 Cumella sp. H	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	3
566.3 Cumella sp.	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1
566.4 Cyclaspis unicornis	0	0	0	0	0	0	3	1	0	0	1	0	0	12	3	20
568 Cyclaspis sp. A	59	0	0	31	0	0	44	1	0	5	2	0	0	1	5	148
569 Cyclaspis sp. B	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
570 Cyclaspis sp. C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
570.1 Cyclaspis sp. D	1	0	0	0	0	0	0	0	0	3	1	0	0	6	1	12
570.2 Cyclaspis sp. E	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
570.3 Cyclaspis sp. F	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5
572 Gigacuma sp. A	0	0	3	0	0	0	0	0	1	1	0	1	0	0	0	6
572.5 Gigacuma sp. B	3	0	0	0	0	0	0	0	1	0	4	1	0	2	0	11
573 Leptostylis sp. A	0	0	0	0	0	0	0	0	1	0	0	0	0	30	0	31
574 Leucon sp. A	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	3
574.1 Leucon sp. B	0	0	0	0	0	0	0	0	0	0	0	0	5	2	0	7
574.2 Mannastacidae sp. A	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
575 Mannastacus sp. A	0	0	0	0	0	0	0	0	1	0	0	3	0	0	0	4
576 Oxyurostylus cf. smithi	0	0	0	1	0	0	0	0	0	1	0	0	1	2	0	5
577 Oxyurostylus sp. A	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	6
579 Sympodomma sp. A	0	0	1	0	0	0	0	0	2	0	0	0	0	0	1	4
581 Cumacea sp.(juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
STOMATOPODA																
586 Eurysquilla plumata	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	3
598 Meiosquilla quadridens	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	3
OSTRACODA																
591.5 Angulorostrum sp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
592 Asteropella spp.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
593 Cytoloberis americana	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
594 Cylindroleberidinae spp.	0	0	0	0	1	3	0	0	0	0	0	0	0	0	2	6
595 Halocyprididae (pelagic) spp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2
599 Harbansus spp.	0	1	0	6	3	6	0	0	0	0	0	0	0	0	13	31
600 Myodocopoda spp.	39	0	0	0	0	0	48	38	36	56	34	31	60	76	0	418
601 Paracypridina n. sp.	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
611 Podocopida spp.	10	0	0	0	9	0	5	1	2	4	9	2	0	25	5	80
613 Pseudophilomedes spp.	0	1	0	0	0	5	0	0	0	0	0	0	0	0	0	6
613.1 Rutiderma gyre	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6	12
613.2 Rutiderma licinium	0	6	0	13	0	0	0	0	0	0	0	0	0	0	4	23

STATIONS	2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
614 Rutiderma mollitum	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
628 Sarsiella spp.	0	31	0	4	7	14	0	0	0	0	0	0	0	0	60	116
TANAIDACEA																
636 Apseudes probinquus	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
637 Apseudes sp. A	0	2	3	0	0	3	0	0	0	0	0	1	0	0	9	18
638 Apseudes sp. B	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	11
639 Apseudes sp. C	0	0	0	0	0	0	0	0	0	0	1	0	0	0	18	19
642 Kalliapseudes sp. A	0	1	3	0	0	0	1	0	0	0	0	0	0	0	0	5
643 Kalliapseudes sp. B	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	4
643.5 Kalliapseudes sp. C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
644 Leptochelia sp. A	0	0	0	2	0	0	3	0	0	0	0	0	0	0	9	14
645 Leptochelia sp. B	0	16	0	2	1	0	0	0	0	0	0	0	0	0	0	19
645.1 Leptognathia sp. A	0	4	0	0	0	0	0	0	0	0	0	0	0	0	1	5
645.3 Metotanais sp. A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2
646 Paratanaidae sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
647 Pseudotanais sp. A	0	7	0	15	0	0	0	0	0	0	3	1	0	1	0	27
ISOPODA																
650 Anthuridae spp.	0	9	0	0	9	9	0	0	0	0	0	0	44	11	10	92
650.5 Arcturidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9
650.55 Astacilla cf. lauffi	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
650.6 Chiredotea sp.	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
650.7 Cirolana cf. albida	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
655 Gnathoidea spp.	0	14	0	0	0	2	0	0	0	0	0	4	0	0	0	20
655.5 Holoanthura irpex	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2
656 Munna spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	8
658 Serolis mgrayi	4	0	0	0	0	0	2	0	0	0	0	3	0	0	4	13
658.5 Sphaeroma sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
658.6 Xenanthura brevitelson	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2
659 Isopoda spp.	0	2	0	0	0	2	1	21	38	40	40	5	0	0	1	150
AMPHIPODA																
664 Acanthohaustorius sp. A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
665.5 Acuminodentopus naglei	3	0	0	0	0	0	0	0	0	5	0	0	0	0	10	18
666 Ampelisca agassizi	0	0	3	0	0	9	0	1	24	0	4	4	0	0	0	55
666.1 Ampelisca cf. agassizi	0	9	0	1	0	0	0	0	0	0	0	0	0	0	0	10
667 Ampelisca eristata microdentata	0	0	0	0	0	0	3	0	0	11	0	0	0	0	0	14
668.1 Ampelisca cf. macrocephala	0	0	0	2	11	6	26	5	2	0	0	0	0	2	9	71
668.2 Ampelisca venetiensis	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
669 Ampelisca sp. A	0	0	2	0	0	1	2	3	1	0	0	0	1	0	0	10
670 Ampelisca sp. B	1	0	1	0	0	0	3	0	0	0	4	0	0	0	3	12
670.5 Ampelisca sp. C	0	0	1	0	0	0	0	0	1	1	3	0	0	0	1	15
671 Ampelisca sp. D	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	6
673 Ampelisca spp.	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
675 Amphilochus sp. A	1	0	0	0	0	0	1	0	1	2	0	0	0	2	0	7
675.1 Amphilochus sp. B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
675.5 Ampithoe sp. A	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
676 Aoridae genus A	15	1	0	0	0	0	2	7	0	9	20	0	0	0	37	91
676.4 Aoridae genus B	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
676.5 Aoridae sp. A	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
678 Aoridae spp.	0	1	0	1	1	3	0	0	0	0	0	0	0	0	0	6
678.4 Argissa cf. hamatipes	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4
678.5 Batea-like genus A	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	7
679.5 Byblis sp. A	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	2
679.6 Caprella sp.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
680 Carinobatea sp. A	0	2	0	0	0	0	0	5	0	0	0	0	0	0	1	9
680.5 Carinobatea sp. B	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1

STATIONS	2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
681.5 Carapus cf. tubularis	3	0	0	0	0	0	0	0	0	1	0	0	0	0	1	5
682.5 Chevalia mexicana	0	0	2	0	0	0	0	6	28	0	3	0	0	0	3	34
683 Colomastix sp. A	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1
684 Corophium sp. A	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
687.3 Elasmopus procellimanus	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
687.4 Elasmopus rapax	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
687.5 Dulichiella appendiculata	0	1	0	0	0	0	0	0	2	0	0	0	0	5	0	8
688 Elasmopus sp. A	0	0	0	0	0	0	1	1	0	0	0	0	0	0	5	7
689 Elasmopus sp. B	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
690 Elasmopus spp.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
691.5 Erichthonius cf. brasiliensis	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	4
692 Erichthonius sp. A	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
692.5 Eriopsa-like sp. A	0	0	2	0	0	0	0	0	0	0	3	0	9	0	0	14
692.6 Gammaropsis sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
693 Garosyrrhoe sp. A	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	3
694 Harpinia sp. A	0	1	1	0	0	1	3	1	0	0	1	3	0	0	2	13
695 Harpinia sp. B	0	0	1	0	0	1	0	1	1	0	0	0	0	0	2	6
696 Heterophoxus sp. A	0	0	0	4	1	0	11	0	0	0	0	0	11	1	4	32
697 Hippomedon sp. A	0	1	0	0	1	3	0	0	0	0	1	1	0	0	0	15
698 Idunella sp. A	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
699 Idunella sp. B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
700 Jerbarnia sp. A	0	0	0	0	0	1	4	3	0	0	0	0	0	0	0	8
700.2 Lembos cf. kunkela	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4
700.3 Lembos cf. unicornis	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3
700.4 Lembos cf. unifaciatus reducius	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	10
700.5 Lembos cf. unifaciatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	18
703 Lembos spp.	0	0	7	0	0	0	7	7	6	0	0	3	0	1	14	45
703.9 Lestrigonus bengalensis	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	4
705 Leucothoe sp. A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
705.5 Leucothoe sp.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
705.6 Liocuma caeca	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	3
706.1 Listriella cf. barnardi	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
707 Listriella corinata	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
707.5 Listriella sp. A	9	0	0	0	0	0	0	1	0	0	0	0	0	0	0	10
707.6 Listriella sp. B	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6
707.8 Listriella sp. D	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
708 Luconacia incerta	0	0	0	0	0	0	0	11	1	2	10	4	0	2	20	50
711 Lysianopsis sp. A	0	0	0	0	0	1	0	1	0	1	1	0	0	0	1	5
711.5 Maera cf. caroliniana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	72
711.6 Maera cf. williamsi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
717.5 Melitidae sp.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
718 Metharpinia floridana	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	5
719 Microdeutopus myersi	0	0	0	0	6	0	0	9	0	4	0	0	0	0	6	25
719.1 Microdeutopus cf. myersi	0	0	0	0	0	0	0	0	0	4	3	0	0	0	0	7
721 Microdeutopus spp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
722.5 Monoculodes myei	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5
723 Monoculodes cf. myei	3	0	0	0	0	0	1	3	0	1	0	1	1	0	0	10
723.4 Oediceros sp. A	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
723.5 Oediceros sp. B	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
723.6 Oediceros sp. C	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4
725 Oedicerotidae spp.	0	0	0	0	0	1	1	0	3	0	0	1	0	0	0	6
725.1 Parametopella sp. A	0	0	0	0	3	0	0	0	0	0	0	2	0	0	0	5
725.2 Parametopella sp. B	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
726 Phtisica marina	2	0	1	1	2	2	3	4	7	0	5	2	0	6	12	47
726.4 Photidae sp. A	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1

STATIONS	2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
726.41 Photidae sp. H	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
726.45 Photidae sp. K	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
726.5 Photis cf. pugnator	0	0	0	7	0	0	0	0	0	0	0	0	0	0	33	40
727 Photis sp. A	1	4	0	1	0	0	30	7	2	2	0	6	0	0	1	62
728 Photis sp. B	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	19
732 Platyschnopus-like (new genus)	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
732.3 Pleustidae sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
732.4 Pleustidae sp.	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
732.5 Podoceropsis sp. A	0	0	12	0	0	0	0	0	0	0	0	0	0	0	7	19
733 Podocerus sp. A	0	0	0	0	0	0	0	0	0	0	0	1	0	0	9	10
734 Rhepoxynius epistomus	16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	17
734.1 Rhepoxynius cf. epistomus	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
734.15 Rildarnanus luminosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
734.2 Stenothoe gallensis	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
734.3 Stenothoe sp. A	0	0	1	0	0	4	0	0	0	0	0	0	0	0	0	5
734.4 Stenothoe sp. B	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
734.5 Stenothoe sp. C	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2
736 Synchelidium americanum	47	1	3	7	3	0	58	3	0	17	0	0	1	2	0	141
737 Synopiidae sp. A	0	0	1	0	0	2	0	0	12	0	0	0	0	0	0	15
738 Synopiidae sp. B	0	0	6	0	0	1	0	0	3	0	0	1	0	0	0	11
739 Synopiidae sp. C	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
739.5 Synopiidae sp.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
740 Tiron tropakis	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	4
742 Unciola serrata	1	0	1	0	2	7	0	0	0	0	0	1	0	0	7	19
744 Westwoodilla sp. A	0	0	1	0	0	0	0	3	1	0	1	0	0	0	2	8
745 Amphipoda spp.	0	1	1	0	0	1	4	1	3	0	1	2	0	1	4	19
MYSIDACEA																
756 Anchialina typica	5	1	0	0	2	0	2	0	0	1	0	0	0	0	0	11
756.5 Bowmaniella sp.(johnsoni type)	0	0	0	0	0	0	0	0	0	23	0	0	0	0	6	29
757 Bowmaniella mexicana	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	5
757.5 Bowmaniella cf. mexicana	0	0	0	0	1	0	0	0	0	4	0	0	0	0	0	5
758 Bowmaniella pictoricensis	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3
759 Bowmaniella spp.	10	0	0	0	0	0	4	0	0	0	0	0	0	0	0	14
759.5 Erythrops sp. A	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
761 Mysidopsis furca	9	0	0	1	0	0	0	1	0	3	0	0	0	1	0	15
761.5 Mysidopsis cf. furca	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
DECAPODA																
DENDROBRANCHIATA																
PENEIDAE																
766 Sicyonia spp.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
766.5 Solenocera atlantidis	3	1	0	0	2	0	0	0	0	0	1	0	0	0	4	11
766.6 Solenocera cf. atlantidis	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
PLEOCYEMATA																
ANOMURA																
767.1 Anomura spp.(larvae)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
ALBUNEIDAE																
767.5 Zygopa michealis	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
AXIIDAE																
768 Axiidae sp. A	0	1	0	0	0	0	0	2	0	0	3	0	0	0	0	6
CALLIANASSIDAE																
769 Callianassa marginata	0	3	0	0	0	0	0	0	1	0	0	5	0	0	1	10
770 Callianassa cf. marginata	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
770.5 Callianassa cf. fragilis	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
773 Callianassa sp. C	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
773.5 Callianassa sp. D	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	3

STATIONS	2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
774 Callianassa spp.	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
GALATHEIDAE																
775 Munida cf. irrasa	0	0	3	0	0	1	0	1	1	0	0	0	0	0	0	6
775.5 Munida sp.	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
PAGURIDAE																
777 Paguridae spp.	0	2	4	1	0	0	1	1	2	0	1	0	0	2	0	14
779.5 Pagurus sp.(juv.)	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	5
780.5 Pylopagurus discoidalis	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
PORCELLANIDAE																
780.6 Porcellanidae sp.(juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
UPOGEBIA																
CARIDEA																
782 Caridea spp.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	9
ALPHEIDAE																
784 Alpheus floridanus	0	0	0	0	0	0	0	1	0	0	0	0	1	2	2	6
789 Automate cf. evermanni	0	2	2	0	0	0	1	7	1	0	5	1	0	2	2	23
790 Salmoneus sp. A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
CRANGONIDAE																
791.5 Pontophilus gorei	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
HIPPOLYTIDAE																
PALAEMONIDAE																
PASIPHAEIDAE																
793.5 Leptochela cf. bermudensis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
794 Leptochela papulata	0	0	3	0	3	0	0	0	1	0	1	0	0	0	0	8
794.5 Leptochela cf. papulata	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1
795.5 Leptochela sp.	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	3
PROCESSIDAE																
797.5 Processa cf. hemphilli	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
798 Processa vicina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
798.5 Processa cf. vicina	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2
BRACHYURA																
802 Brachyuran sp. D	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
DORIPPIDAE																
802.5 Clythrocerus perpusillus	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	3
802.6 Clythrocerus stimpsoni	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
803 Clythrocerus cf. stimpsonsi	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
GONOPLACIDAE																
804.1 Frevillea barbata	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
804.2 Speocarcinus sp.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
804.3 Goneplacidae sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
LEUCOSIIDAE																
804.4 Ebalia stimpsoni	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
MAJIIDAE																
806.5 Euprognatha rastellifera	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	2
PALICIDAE																
807.1 Palicus sp.	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2
PARTHENOPIDAE																
807.2 Parthenope fraterculus	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
807.3 Solenolambrus tenellus	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
PINNOTHERIDAE																
808 Pinnixa sp. A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
809.5 Pinnixa sp.	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
PORTUNIDAE																
810 Portunus sp.	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
RANINIDAE																

STATIONS	2	4	5	6	8	12	14	16	18	20	22	24	25	26	28	
810.5 Ranilia sp.(constricta)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
812 Raninoides laevis	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	3
XANTHIDAE																
812.5 Xanthidae sp.(juv.)	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	3
ECHINODERMATA																
HOLOTHUROIDEA																
815 Holothuroidea spp.	0	1	0	0	1	1	0	0	0	0	4	1	0	0	0	8
ECHINOIDEA																
815.5 Arbacia sp.(juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
816 Echinocardium spp.	0	2	0	0	0	0	0	1	2	0	0	0	0	0	3	8
817 Echinoidea spp.	1	2	0	0	1	0	0	0	0	0	0	1	0	0	1	6
STELLEROIDEA																
ASTEROIDEA																
817.5 Astropectin sp.	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	3
OPHIUROIDEA																
818 Amphiuridae spp.	5	18	9	0	18	16	0	33	18	32	25	16	19	11	0	212
824 Ophiuroidea spp.	0	0	0	0	0	0	3	0	0	0	0	0	0	0	21	24
POGONOPHORA																
825 Pogonophora spp.	1	0	0	0	6	1	0	0	0	0	0	0	5	3	2	18
HEMICHORDATA																
826 Hemichordata spp.	6	0	0	1	0	0	0	0	0	0	0	0	0	1	0	8
CHORDATA																
CEPHALOCHORDATA																
827 Branchiostoma caribaeum	2	4	0	1	2	0	2	2	0	1	0	0	0	0	4	18
UROCHORDATA																
829 Ascidiacea spp. (colonial)	0	13	0	0	0	0	0	1	1	0	0	0	0	0	0	15
829.1 Ascidiacea spp. (solitary)	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	3
829.2 Botyllidae sp.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
830 Molgulidae spp.	0	1	0	0	0	0	0	0	0	0	0	1	10	1	29	42
830.5 Tunicate sp. (colonial)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	4
PISCES																
831 Gymnothorax sp. (Moray Eel)	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	3
CHAETOGNATHA																
TOTALS	3489	1518	1185	1265	1692	1148	2574	2335	1471	2490	2739	1252	2956	2850	2681	31879
TOTAL SPP.	112	107	141	90	128	157	138	202	192	156	212	182	97	124	222	736

APPENDIX B-9 COMPILATION OF DATA FOR DOMINANT MACROINFAUNA COLLECTED BY BOX CORER AT SOFT BOTTOM STATIONS

FALL (1980)
STATION 2 Dominant Species Total Organisms = 2017

Species	No.	Faunal Density No/m^2	% of Total Organisms
Nematoda spp.	338	1040	16.78
Oligochaeta spp.	205	631	10.16
Paraonidae spp.	187	575	9.27
Eunice vittata	134	412	6.64
Serpulidae spp.	77	237	3.82
Pseudovermiliopsis occidentalis	61	188	3.02
Palaenotus heteroseta	48	148	2.38
Nemertina spp.	40	123	1.98
Pisione remota	44	135	2.18
Vermiliopsis spp.	38	117	1.89
Branchiostoma caribaeum	34	105	1.69
Typosyllis cf. hyalina	30	92	1.49
Copepoda spp.	28	86	1.39
Goniadides carolinae	25	77	1.23
Hydroides bispinosa	25	77	1.23
Hydroides crucigera	24	74	1.19
Ishnochitin spp.	24	74	1.19
Lumbrineris verrilli	24	74	1.19
Corbula contracta	21	65	1.04
Total Dominant Taxa: 19		Total:	70.80

FALL (1980)
STATION 4 Dominant Species Total Organisms = 831

Species	No.	Faunal Density No/m^2	% of Total Organisms
Synelmis albini	93	286	11.19
Nematoda sp.	43	132	5.12
Oligochaeta spp.	43	132	5.17
Goniadella sp. A	39	120	4.69
Progoniada regularis	39	120	4.69
Selenaria sp. (colonies)	38	117	4.58
Amaroucium sp.	25	77	3.00
Paraonidae spp.	25	77	3.00
Fabricia sp.	20	62	2.41
Glycera papillosa	19	59	2.29
Ampharete americana	16	49	1.93
Chone sp.	16	49	1.93
Apseudes sp. A	14	43	1.68
Corophium sp. A	14	43	1.68
Lumbrineris verilli	14	43	1.68
Ampharete sp. A	13	40	1.56
Kalliapseudes sp. A	12	37	1.45
Gouldia cerina	10	31	1.20
Tellinidae spp.	10	31	1.20
Carinobatea sp. A	11	34	1.32
Prionospio steenstrupi	11	34	1.32
Amphuirid spp. (juv.)	9	28	1.08
Ischnochiton sp.	9	28	1.08
Laevicardium laevigatum	9	28	1.08
Total Dominant Taxa: 24		Total:	64.88

FALL (1980)
STATION 5 Dominant Species Total Organisms = 674

Species	No.	Faunal Density No/m^2	% of Total Organisms
Synelmis albini	162	499	24.04
Ampharete acutifrons	32	99	4.75
Paraonidae spp.	28	86	4.15
Ampharete sp. A	24	74	3.56
Platidia cl psydra	23	71	3.41
Nematoda spp.	20	62	2.97
Fabricia sp.	17	52	2.52
Bivalvia spp.	14	43	2.08
Terebellides stroemii	14	43	2.08
Eurydice piperata	11	34	1.63
Nothria sp. A	11	34	1.63
Sphaerosyllis spp.	11	34	1.63
Nemertina spp.	10	31	1.48
Campylaspis spp.	9	28	1.34
Chone sp.	9	28	1.34
Leptochelia papulata	9	28	1.34
Glycera papillosa	8	25	1.19
Golfingiidae sp.	8	25	1.19
Sthenelais boa	8	25	1.19
Ampharete sp. B	7	22	1.04
Amphinomidae sp. (juv.)	7	22	1.04
Oligochaeta spp.	7	22	1.04
Sarsiella sp. 2	7	22	1.04
Total Dominant Taxa: 23		Total:	67.68

FALL (1980)
STATION 6 Dominant Species Total Organisms - 2856

Species	No.	Faunal Density No/m^2	% of Total Organisms
Fabricia sp.	411	1265	14.39
Prionospio fallax	406	1249	14.22
Paraonidae spp.	238	732	8.33
Nematoda spp.	208	640	7.28
Lucina radians	199	612	6.97
Mediomastus spp.	166	511	5.81
Myriochele oculata	149	459	5.22
Armandia maculata	135	415	4.73
Oligochaeta spp.	96	295	3.36
Nemertina spp.	59	182	2.07
Microdeutopus sp. A	50	154	1.75
Magelona pettiboneae	42	129	1.47
Corbula contracta	41	126	1.43
Copepoda spp.	32	99	1.12
Total Dominant Taxa: 15		Total:	79.24

FALL (1980)
STATION 8 Dominant Species Total Organisms - 1571

Species	No.	Faunal Density No/m^2	% of Total Organisms
Paraonidae spp.	354	1089	22.53
Nematoda spp.	146	449	9.29
Lucina radians	117	360	7.45
Oligochaeta spp.	113	348	7.19
Prionospio cristata	84	258	5.35
Magelona sp. A	79	243	5.03
Nemertina spp.	68	209	4.33
Selenaria spp. (colonies)	62	190	3.95
Magelona pettiboneae	44	135	2.80
Fabricia spp.	41	126	2.61
Ceratocephale oculata	28	86	1.78
Tharyx annulosus	28	86	1.78
Anthuridae spp.	24	73	1.53
Glottidia pyramidata	17	52	1.08
Total Dominant Taxa: 14		Total:	76.70

FALL (1980)
STATION 12 Dominant Species Total Organisms = 994

Species	No.	Faunal Density No/m^2	% of Total Organisms
Synelmis albini	183	563	18.41
Paraonidae spp.	91	280	9.15
Nematoda spp.	36	111	3.62
Bivalvia spp.	33	102	3.32
Nemertina spp.	28	86	2.82
Glycera papillosa	27	83	2.72
Syllidae spp.	27	83	2.72
Fabricia spp.	26	80	2.62
Aplocophora sp. A	23	71	2.31
Notomastus hemipodus	19	59	1.91
Sphenia tumida	19	59	1.91
Mediomastus spp.	18	55	1.81
Aplacophora sp. B	16	49	1.61
Axiothella mucosa	14	43	1.41
Golfingiidae spp.	14	43	1.41
Sphaerosyllis glandulata	14	43	1.41
Spiophanes berkeleyorum	14	43	1.41
Amphiuridae spp.	13	40	1.31
Tharyx annulosus	13	40	1.31
Minuspio cirrifera	12	37	1.21
Ampharete acutifrons	11	34	1.11
Ampharete sp. A	11	34	1.11
Ophelina cylindricaudata	11	34	1.11
Selenaria sp.	11	34	1.11
Trichobranchus glacialis	11	34	1.11
Total Dominant Taxa: 25		Total:	69.95

FALL (1980)
STATION 14 Dominant Species Total Organisms = 2841

Species	No.	Faunal Density No/m^2	% of Total Organisms
Paraonidae spp.	341	1049	12.00
Lucina radians	289	889	10.17
Microdeutopus myersi	142	437	5.00
Photis sp. A	133	409	4.68
Magelona pettiboneae	115	354	4.05
Oligochaeta spp.	111	342	3.91
Ampelisca sp. D	100	308	3.52
Lembos sp. A	96	295	3.38
Copepoda spp.	95	292	3.34
Nematoda spp.	94	289	3.31
Podocerus sp. A	74	228	2.60
Bivalvia spp.	65	200	2.29
Nemertina spp.	62	191	2.18
Cyclaspis sp. A	57	175	2.01
Erichthonius brasiliensis	56	172	1.97
Aoridae spp.	53	163	1.87
Fabricia spp.	52	160	1.83
Exogone dispar	47	145	1.65
Lumbrineris ernesti	45	139	1.58
Leptochelia sp. A	40	124	1.41
Heterophoxus sp. A	38	117	1.38
Lumbrineris verilli	33	102	1.16
Phistica marina	33	102	1.16
Tellinidae spp.	33	102	1.16
Mediomastus spp.	32	98	1.13
Serpulidae sp.	32	98	1.13
Total Dominant Taxa: 26		Total:	79.87

FALL (1980)
STATION 16 Dominant Species Total Organisms = 1465

Species	No.	Faunal Density No/m^2	% of Total Organisms
Nematoda spp.	138	425	9.42
Synelmis albini	114	351	7.78
Paraonidae spp.	100	308	6.83
Oligochaeta spp.	72	222	4.91
Ampharete sp. A	70	215	4.78
Nemertina spp.	52	160	3.55
Bivalvia spp.	49	151	3.34
Prionospio cristata	46	142	3.14
Magelona sp. A	41	126	2.80
Notomastus hemipodus	37	114	2.53
Ophiuroidea spp.	34	105	2.32
Fabricia spp.	32	99	2.18
Palaenotus heteroseta	23	71	1.57
Ceratocephale oculata	22	68	1.50
Glycera tesselata	19	58	1.30
Armandia maculata	18	55	1.23
Goniadella sp. A	17	52	1.16
Progoniada regularis	17	52	1.16
Sarsiella spp.	17	52	1.16
Cumella cf. tripunctata	15	46	1.02
Mediomastus spp.	15	46	1.02
Minuspio cirrifera	15	46	1.02
Total Dominant Taxa: 22		Total:	65.58

FALL (1980)
STATION 18 Dominant Species Total Organisms = 1141

Species	No.	Faunal Density No/m^2	% of Total Organisms
Synelmis albini	234	720	20.51
Bivalvia spp.	160	492	14.02
Paraonidae spp.	57	175	5.00
Platidia clepsydra	56	172	4.91
Ampharete sp. A	38	117	3.33
Sipuncula spp.	37	114	3.24
Nematoda spp.	36	111	3.16
Sarsiella spp.	26	80	2.28
Glycera papillosa	22	68	1.93
Minuspio cirrifera	21	65	1.84
Terebellides stroemii	19	59	1.67
Fabricia spp.	16	49	1.40
Aplacophora sp. A	14	43	1.22
Pionosyllis sp. E	13	40	1.14
Total Dominant Taxa: 14		Total:	65.73

FALL (1980)
STATION 20 Dominant Species Total Organisms = 1964

Species	No.	Faunal Density No/m^2	% of Total Organisms
Nematoda spp.	304	935	15.48
Oligochaeta spp.	187	575	9.52
Paraonidae spp.	123	379	6.26
Lembos sp. A	95	292	4.83
Apseudes sp. A	83	255	4.23
Microdeutopus myersi	77	237	3.92
Selenaria spp. (colonies)	71	219	3.62
Prionospio cristata	59	182	3.00
Lembos sp. B	49	151	2.49
Maera sp. A	40	123	2.04
Bivalvia spp.	38	117	1.93
Apseudes sp. B	36	111	1.83
Apseudes probinquus	32	98	1.63
Fabricia spp.	32	99	1.63
Ancistrosyllis hartmanae	28	86	1.43
Leptochelia sp. A	28	86	1.43
Nemertina spp.	28	86	1.43
Rutiderma spp.	28	86	1.43
Caradocus spp.	25	77	1.27
Cirratodactylus floridensis	23	71	1.17
Axiothella mucosa	22	68	1.12
Myriochele oculata	22	68	1.12
Bowmaniella spp.	21	65	1.07
Maera sp. B	20	62	1.02
Total Dominant Taxa: 24		Total:	74.90

FALL (1980)
STATION 22 Dominant Species Total Organisms = 2037

Species	No.	Faunal Density No/m^2	% of Total Organisms
Paraonidae spp.	304	935	14.92
Synelmis albini	239	735	11.73
Nematoda spp.	140	431	6.87
Oligochaeta spp.	127	391	6.23
Lucina radians	107	329	5.25
Nemertina spp.	91	280	4.47
Bivalvia spp.	78	240	3.83
Ampharete sp. A	42	129	2.06
Mediomastus spp.	42	129	2.06
Fabricia spp.	39	120	1.91
Magelona sp. A	38	117	1.86
Tharyx annulosus	37	114	1.82
Progoniada regularis	33	102	1.62
Anthuridae spp.	30	92	1.47
Copepoda spp.	26	80	1.28
Selenaria spp. (colonies)	25	77	1.23
Ceratocephale oculata	23	71	1.13
Crassinella martinicensis	23	71	1.13
Cumella sp. B	22	68	1.08
Ophiuroidea spp.	21	65	1.03
Total Dominant Taxa: 20		Total:	72.98

FALL (1980)
STATION 24 Dominant Species Total Organisms = 1130

Species	No.	Faunal Density No/m^2	% of Total Organisms
Synelmis albini	210	646	18.58
Bivalvia spp.	124	382	10.97
Paraonidae spp.	85	262	7.52
Sipuncula spp.	46	142	4.07
Hippomedon sp. A	33	102	2.92
Platidia clepsydra	33	102	2.92
Aplocophora sp. B	24	74	2.12
Nematoda spp.	23	71	2.04
Minuspio cirrobranchiata	22	68	1.95
Anthuridae spp.	17	52	1.50
Chloeia viridis	17	52	1.50
Ampharete acutifrons	15	46	1.33
Ampharete sp. A	15	46	1.33
Gastropoda spp.	15	46	1.33
Sphaerosyllis spp.	15	46	1.33
Aplocophora sp. A	14	43	1.24
Notomastus hemipodus	14	43	1.24
Apseudes sp. A	13	40	1.15
Glycera papillosa	13	40	1.15
Terebellides stroemii	13	40	1.15
Capitella capitata	12	37	1.06
Total Dominant Taxa: 21		Total:	68.36

FALL (1980)
STATION 25 Dominant Species Total Organisms = 1857

Species	No.	Faunal Density No/m^2	% of Total Organisms
Minuspio cirrifera	230	708	12.39
Magelona pettiboneae	140	431	7.54
Oligochaeta spp.	154	474	8.29
Prionospio cristata	150	462	8.08
Nematoda spp.	119	366	6.41
Tellina spp.	107	329	5.76
Paraonidae spp.	105	323	5.65
Mediomastus spp.	97	299	5.22
Nemertina spp.	85	262	4.58
Synelmis albini	85	262	4.58
Magelona cf. cincta	83	255	4.47
Paraprionospio pinnata	58	179	3.12
Anthuridae spp.	51	157	2.75
Parasterope pollex	49	151	2.64
Ampelisca sp. A	44	135	2.37
Bivalvia spp.	33	102	1.78
Sigambra sp. A	25	77	1.35
Lucina radians	23	71	1.24
Total Dominant Taxa: 18		Total:	88.22

FALL (1980)
STATION 26 Dominant Species Total Organisms = 1580

Species	No.	Faunal Density No/m^2	% of Total Organisms
Oligochaeta spp.	233	717	14.75
Caecum pulchellum	214	658	13.54
Sigambra sp. A	101	311	6.39
Nematoda spp.	98	302	6.20
Paraonidae spp.	92	283	5.82
Minuspio cirrifera	81	249	5.13
Lucina radians	76	234	4.81
Sipuncula spp.	74	228	4.68
Bivalvia spp.	68	209	4.30
Nemertina spp.	64	197	4.05
Mediomastus spp.	61	188	3.86
Myriochele oculata	42	129	2.66
Magelona pettiboneae	37	114	2.34
Prionospio cristata	30	92	1.90
Notomastus hemipodus	23	71	1.46
Lumbrineris verrilli	20	62	1.27
Fabricia spp.	19	59	1.20
Dorvilleidae sp. B	16	49	1.01
Total Dominant Taxa: 18		Total:	85.37

FALL (1980)
STATION 28 Dominant Species Total Organisms = 2008

Species	No.	Faunal Density No/m^2	% of Total Organisms
Nematoda spp.	288	886	14.34
Paraonidae spp.	119	366	5.93
Oligochaeta spp.	103	317	5.13
Synelmis albini	100	308	4.98
Ampharete sp. A	89	274	4.43
Lucina radians	75	231	3.74
Magelona sp. A	74	228	3.69
Sarsiella spp.	54	166	2.69
Tubiluchus corallicola	37	114	1.84
Nemertina spp.	34	105	1.69
Bivalvia spp.	32	99	1.59
Cumella sp. A	31	95	1.54
Selenaria spp. (colonies)	30	92	1.49
Ceratocephale oculata	29	89	1.44
Copepoda spp.	29	89	1.44
Notomastus hemipodus	28	86	1.39
Tellina spp.	27	83	1.35
Ophiuroidea spp.	26	80	1.29
Minuspio cirrifera	23	71	1.15
Cardiomya sp.	21	65	1.05
Prionospio steenstrupi	21	65	1.05
Sipuncula spp.	21	65	1.05
Total Dominant Taxa: 22		Total:	63.29

SPRING (1981)
STATION 2 Dominant Species Total Organisms = 3536

Species	No.	Faunal Density No/m^2	% of Total Organisms
Nematoda spp.	1404	4320	39.71
Prionospio cristata	452	1391	12.78
Paraonidae spp.	381	1172	10.78
Fabricia sp.	228	702	6.45
Oligochaeta spp.	203	625	5.74
Nemertina spp.	121	372	3.42
Cyclaspis sp. A	59	182	1.67
Glottidia pyramidata	51	157	1.44
Paraprionospio pinnata	50	154	1.41
Synchelidium americanum	47	145	1.33
Sipuncula spp.	46	142	1.30
Myodocopida spp.	39	120	1.10
Total Dominant Taxa: 12		Total:	87.13

SPRING (1981)

STATION 4 Dominant Species Total Organisms = 1510

Species	No.	Faunal Density No/m^2	% of Total Organisms
Synelmis albini	124	382	8.21
Nematoda spp.	108	332	7.15
Sphaerosyllis spp.	76	234	5.03
Fabricia sp.	69	212	4.57
Paraonidae sp.	58	178	3.84
Nemertina spp.	54	166	3.58
Ampharete acutifrons	50	154	3.31
Oligochaeta spp.	49	151	3.25
Palaenotus heteroseta	41	126	2.72
Sarsiella spp.	31	95	2.05
Sipuncula spp.	25	77	1.66
Selenaria sp.	24	74	1.59
Goniadides carolinae	24	74	1.59
Myriochele oculata	23	71	1.52
Crassinella sp. (juv.)	20	62	1.32
Prionospio cristata	19	58	1.26
Pionosyllis uraga	18	55	1.19
Amphiuridae sp. (juv.)	18	55	1.19
Armandia maculata	17	52	1.13
Glycera tesselata	17	52	1.13
Leptochelia sp. B	16	49	1.06
Total Dominant Taxa: 21		Total:	58.35

SPRING (1981)
STATION 5 Dominant Species Total Organisms = 1105

Species	No.	Faunal Density No/m^2	% of Total Organisms
Synelmis albini	207	637	18.73
Paraonidae spp.	43	132	3.89
Nematoda spp.	40	123	3.62
Glycera oxycephala	29	89	2.62
Platidia clepsydra	29	89	2.62
Nemertina spp.	25	77	2.26
Sphaerosyllis spp.	24	74	2.17
Pionosyllis sp. E	23	71	2.08
Lucinidae spp. (spat)	22	68	1.99
Minuspio cirrobranchiata	22	68	1.99
Protodorvillea kefersteini	22	68	1.99
Fabricia sp.	22	68	1.99
Aplacophora sp. A	21	65	1.90
Ampharete acutifrons	21	65	1.90
Ampharete sp. A	21	65	1.90
Euchone incolor	20	62	1.81
Typosyllis cf. hyalina	20	62	1.81
Spio pettiboneae	17	52	1.54
Onuphis pallidula	16	49	1.48
Typosyllis alternata	12	37	1.09
Sipuncula spp.	12	37	1.09
Podoceropsis sp. A	12	37	1.09
Parapionsyllis longicirrata	12	37	1.09
Spiophanes wigleyi	11	34	1.00
Total Dominant Taxa: 23		Total:	64.01

SPRING (1981)

STATION 6 Dominant Species Total Organisms = 1265

Species	No.	Faunal Density No/m^2	% of Total Organisms
Nematoda spp.	327	1006	25.85
Fabricia sp.	204	628	16.13
Lucina radians	133	409	10.51
Paraonidae sp.	113	348	8.93
Prionospio cristata	45	138	3.58
Copepoda spp.	41	126	3.24
Mediomastus spp.	36	111	2.85
Cyclaspis sp. A	31	95	2.45
Sipuncula spp.	23	71	1.82
Oligochaeta spp.	19	58	1.50
Spionidae spp.	18	55	1.42
Pseudotanais sp. A	15	46	1.19
Lucina cf. muricata (juv.)	14	43	1.11
Nemertina spp.	14	43	1.11
Rutiderma licinium	13	40	1.03
Total Dominant Taxa: 16		Total:	82.48

SPRING (1981)
STATION 8 Dominant Species Total Organisms = 1695

Species	No.	Faunal Density No/m^2	% of Total Organisms
Nematoda spp.	373	1148	22.01
Paraonidae spp.	170	523	10.03
Lucina radians	142	437	8.38
Prionospio cristata	94	289	5.55
Fabricia sp.	75	231	4.42
Spionidae spp.	75	231	4.42
Selenaria sp.	65	200	3.83
Magelona pettiboneae	47	144	2.77
Ampharete acutifrons	45	138	2.65
Nemertina spp.	41	126	2.42
Ceratocephale oculata	37	114	2.18
Armandia maculata	31	95	1.83
Sigambra tentaculata	29	89	1.71
Eusyllis sp. A	25	77	1.47
Heterospio catalinensis	20	62	1.18
Magelona sp. A	17	52	1.00
Cossura delta	17	52	1.00
Total Dominant Taxa: 17		Total:	76.85

SPRING (1981)
STATION 12 Dominant Species Total Organisms = 1149

Species	No.	Faunal Density No/m^2	% of Total Organisms
Synelmis albini	256	787	22.28
Paraonidae spp.	107	329	9.31
Glycera sp.	39	120	3.39
Fabricia sp.	37	113	3.22
Veneridae sp. (juv.)	37	113	3.22
Nematoda spp.	31	95	2.70
Nemertina sp.	31	95	2.70
Sipuncula sp.	29	89	2.52
Ampharete acutifrons	26	80	2.26
Sphaerosyllis spp.	20	62	1.74
Amphiuridae sp.	16	49	1.39
Aplocophora sp. B	16	49	1.39
Aplacaphora sp. A	15	46	1.31
Nuculana sp.	15	46	1.31
Sarsiella spp.	14	43	1.22
Sabellidae sp.	13	40	1.13
Spionidae sp.	13	40	1.13
Selenaria spp. (colonial)	12	37	1.04
Total Dominant Taxa: 18		Total:	63.26

SPRING (1981)
STATION 14 Dominant Species Total Organisms = 2576

Species	No.	Faunal Density No/m^2	% of Total Organisms
Paraonidae spp.	310	954	12.03
Prionospio cristata	292	898	11.34
Nematoda spp.	186	572	7.22
Lucina radians	151	465	5.85
Oligochaeta sp.	138	425	5.36
Nemertina spp.	129	397	5.01
Fabricia sp.	124	382	4.81
Tellinidae sp. (juv.)	103	317	4.00
Mediomastus sp.	92	283	3.57
Magelona pettiboneae	72	222	2.80
Cyclaspis sp. A	64	197	2.48
Synchelidium americanum	58	178	2.25
Paraprionospio pinnata	58	178	2.25
Myodocopida spp.	48	148	1.86
Parvilucina blanda	46	142	1.79
Exogone dispar	39	120	1.51
Copepoda spp.	34	105	1.32
Photis sp. A	30	92	1.16
Cumella sp. B	29	89	1.13
Prionospio steenstrupi	29	89	1.13
Ampelisca cf. macrocephala	26	80	1.01
Total Dominant Taxa: 21		Total:	79.89

SPRING (1981)
STATION 16 Dominant Species Total Organisms = 2336

Species	No.	Faunal Density No/m^2	% of Total Organisms
Prionospio cristata	280	862	11.98
Nematoda spp.	232	714	9.93
Nemertina spp.	139	428	5.95
Paraonidae spp.	121	372	5.18
Oligochaeta spp.	120	369	5.14
Ampharete acutifrons	118	363	5.05
Synelmis albini	113	348	4.84
Copepoda spp.	95	292	4.07
Myodocopida spp.	38	117	1.63
Selenaria sp.	36	111	1.54
Minuspio cirrifera	35	108	1.50
Palaenotus heteroseta	34	105	1.46
Amphiuridae sp. (juv.)	33	102	1.41
Magelona sp. A	33	102	1.41
Armandia maculata	27	83	1.16
Agalaophamus verrilli	26	80	1.11
Sphaerosyllis spp.	25	77	1.07
Fabricia sp.	24	74	1.03
Chone sp.	24	74	1.03
Total Dominant Taxa: 19		Total:	66.54

SPRING (1981)
STATION 18 Dominant Species Total Organisms = 1474

Species	No.	Faunal Density No/m^2	% of Total Organisms
Synelmis albini	244	751	16.55
Minuspio cirrobranchiata	129	397	8.75
Paraonidae spp.	107	329	7.23
Veneridae sp. (juv.)	68	209	4.61
Sphaerosyllis spp.	46	142	3.12
Isopoda spp.	38	117	2.58
Nematoda spp.	36	111	2.44
Myodocopida spp.	36	111	2.44
Copepoda spp.	35	108	2.37
Nemertina spp.	30	92	2.04
Ampelisca agassizi	26	80	1.76
Aplacophora sp. A	22	68	1.49
Exogone dispar	21	65	1.42
Ampharete acutifrons	21	65	1.42
Sipuncula spp. (juv.)	20	62	1.36
Chevalia mexicana	20	62	1.36
Selenaria sp.	18	55	1.22
Amphiuridae spp. (juv.)	18	55	1.22
Oligochaeta spp.	15	46	1.02
Total Dominant Taxa: 19		Total:	64.40

SPRING (1981)
STATION 20 Dominant Species Total Organisms = 2490

Species	No.	Faunal Density No/m^2	% of Total Organisms
Nematoda spp.	789	2428	31.69
Nemertina spp.	210	646	8.43
Paraonidae spp.	147	452	5.90
Oligochaeta spp.	111	342	4.46
Prionospio cristata	82	252	3.29
Fabricia sp.	68	209	2.73
Copepoda spp.	67	206	2.69
Myodocopida spp.	56	172	2.25
Ancistrosyllis hartmanae	51	157	2.05
Veneridae sp. (juv.)	48	148	1.93
Eusyllis sp. A	47	145	1.89
Protodorvillea kefersteini	43	132	1.73
Isopoda spp.	40	123	1.61
Selenaria sp.	34	105	1.37
Amphiuridae spp.	32	98	1.29
Gyptis brevipalpa	26	80	1.04
Prionospio steenstrupi	26	80	1.04
Total Dominant Taxa: 17		Total:	75.39

SPRING (1981)

STATION 22 Dominant Species Total Organisms = 2739

Species	No.	Faunal Density No/m^2	% of Total Organisms
Ampharete acutifrons	307	945	11.21
Paraonidae spp.	225	692	8.21
Nematoda spp.	214	658	7.81
Synelmis albini	182	560	6.64
Prionospio cristata	163	502	5.95
Nemertinea spp.	141	434	5.15
Oligochaeta	93	286	3.40
Fabricia sp.	88	270	3.21
Palaenotus heteroseta	41	126	1.50
Spionidae sp.	41	126	1.50
Isopoda spp.	40	123	1.46
Lucina radians	40	123	1.46
Myodocopida spp.	34	105	1.24
Ceratocephale oculata	32	98	1.17
Magelona sp. A	31	95	1.13
Tharyx annulosus	30	92	1.10
Aplacophora sp. A	30	92	1.10
Sabellidae spp.	29	89	1.06
Minuspio cirrifera	28	86	1.02
Total Dominant Taxa: 19		Total:	65.32

SPRING (1981)

STATION 24 Dominant Species Total Organisms = 1252

Species	No.	Faunal Density No/m^2	% of Total Organisms
Synelmis albini	236	726	18.85
Paraonidae spp.	86	265	6.87
Veneridae sp. (spat)	83	255	6.63
Sphaerosyllis spp.	57	175	4.55
Sipuncula sp.	43	132	3.43
Platidia clepsydra	38	117	3.04
Typosyllis amica	36	110	2.88
Minuspio cirrobranchiata	33	102	2.64
Myodocopoda spp.	31	95	2.47
Nematoda spp.	26	80	2.08
Ampharete acutifrons	20	62	1.60
Fabricia sp.	19	58	1.52
Pionosyllis procera	19	58	1.52
Glycera tesselata	19	58	1.52
Amphiuridea sp.	16	49	1.28
Ceratocephale oculata	16	49	1.28
Haplosyllis spongicola	15	46	1.20
Aplacophora sp. B	14	43	1.12
Tharyx annulosus	13	40	1.04
Copepoda spp.	13	40	1.04
Total Dominant Taxa: 20		Total:	66.56

SPRING (1981)
STATION 25 Dominant Species Total Organisms = 2956

Species	No.	Faunal Density No/m^2	% of Total Organisms
Nematoda spp.	301	926	10.18
Prionospio cristata	259	797	8.76
Paraprionospio pinnata	238	732	8.05
Magelona pettiboneae	237	729	8.02
Minuspio cirrifera	227	698	7.68
Nemertina spp.	200	615	6.77
Oligochaeta spp.	154	474	5.21
Tellina sybaritica	127	391	4.30
Synelmis albini	118	363	3.99
Paraonidae spp.	104	320	3.52
Magelona cf. cincta	100	308	3.38
Mediomastus spp.	98	302	3.32
Anodontia sp. (juv.)	66	203	2.23
Lucina radians	61	188	2.06
Myodocopida spp.	60	185	2.03
Sthenelais limicola	45	138	1.52
Anthuridae sp.	44	135	1.49
Tellinidae sp. (juv.)	43	132	1.45
Sigambra tentaculata	40	123	1.35
Nuculana concentrica	36	111	1.22
Total Dominant Taxa: 20		Total:	86.53

SPRING (1981)
STATION 26 Dominant Species Total Organisms = 2850

Species	No.	Faunal Density No/m^2	% of Total Organisms
Oligochaeta spp.	404	1243	14.18
Prionospio cristata	249	766	8.74
Sigambra tentaculata	174	535	6.11
Sipuncula spp.	164	505	5.75
Sphaerosyllis spp.	150	462	5.26
Nematoda spp.	144	443	5.05
Lucina radians	133	409	4.67
Paraonidae spp.	125	384	4.39
Lyonsia hyalina floridana	89	274	3.12
Lumbrineris verilli	83	255	2.91
Myodocopida sp.	76	234	2.67
Caecum spp.	62	191	2.18
Copepoda spp.	57	175	2.00
Tellina sybaritica	51	157	1.79
Mediomastus sp.	36	111	1.26
Notomastus hemipodus	34	105	1.19
Fabricia sp.	33	102	1.16
Leptostylis sp. A	30	92	1.05
Total Dominant Taxa: 18		Total:	73.48

SPRING (1981)
STATION 28 Dominant Species Total Organisms = 2081

Species	No.	Faunal Density No/m^2	% of Total Organisms
Nematoda spp.	94	289	4.52
Ampharete acutifrons	90	277	4.32
Paraonidae spp.	90	277	4.32
Lucina radians	78	240	3.75
Maera cf. caroliniana	72	222	3.46
Sarsiella spp.	60	184	2.89
Synelmis albini	60	184	2.89
Nemertina spp.	57	175	2.74
Magelona sp. A	54	166	2.59
Selenaria sp.	49	151	2.35
Musculus sp. (juv.)	43	132	2.07
Tharyx annulosus	38	117	1.83
Aoridae genus A	37	114	1.78
Spionidae sp.	36	111	1.73
Photis cf. pugnator	33	102	1.59
Molgulidae sp.	29	89	1.39
Aglaophamus verrilli	28	86	1.35
Sabellidae spp.	27	83	1.30
Eusyllis sp. A	24	74	1.15
Fabricia sp	24	74	1.15
Macroclymene zonalis	23	70	1.11
Myriochele oculata	22	68	1.06
Ophiuroidea spp.	21	65	1.01
Total Dominant Taxa: 23		Total:	52.35

APPENDIX B-10 AVERAGE PERCENT COVERAGE BY TAXA AT HARD BOTTOM STATIONS AS DETERMINED BY QUANTITATIVE SLIDE ANALYSIS - FALL 1980 (3) AND SPRING 1981 (4) CRUISES

TABLE . AVERAGE PERCENT COVERAGE OF TAXA IN QUANTITATIVE SLIDE ANALYSIS
CRUISE 3

TAXON	STATION 01	03	07	09	10	11	13	15	17	19	21	23	27	29	30
CHLOROPHYCOPHYTA	6.9	.1	.6	1.7	1.4	2.7	.6	.0	1.1	.0	1.1	3.3	.7	.9	.3
CAULERPA SP.	.0	.5	.0	.1	.1	.0	2.3	.0	3.1	3.0	.5	.0	.3	.0	.0
HALIMEDA SP.	.0	1.4	.2	9.4	1.3	28.0	.3	2.2	4.6	.0	.1	2.4	.9	.0	.0
UDOTEA SP.	1.1	.0	.0	.9	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
AMADYOMENE SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	.0	36.2	8.6
PHAEOPHYCOPHYTA	6.0	.0	.0	1.8	.1	.3	5.9	.0	.0	.7	1.7	.0	.0	.0	.1
RHODOPHYCOPHYTA	.0	.0	.0	.3	1.2	3.2	.4	.2	1.5	.1	.0	1.0	.0	.0	.0
CRYPTONEMIALES	.0	.1	.0	.8	2.1	2.0	.0	.7	.0	.0	.1	5.7	.8	6.9	18.2
PEYSSONNELIA RUBRA	.0	.0	.0	.0	.9	1.0	.0	.0	.0	.0	.0	3.7	.0	.0	.0
PEYSSONNELIA SIMULANS	.0	.0	.0	.0	1.6	1.8	.0	.0	.0	.0	.0	8.0	.0	8.8	14.2
CRYPTONEMIACEAE	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
PORIFERA	.4	1.1	1.9	.0	.4	.2	.4	3.0	.8	4.7	3.1	.1	1.5	.2	.7
CALCAREA	.1	1.1	2.3	.1	1.2	1.2	.0	.1	1.0	.4	3.3	4.3	.9	.5	3.2
HIPPOSPONGIA LACHNE	.0	.0	.0	.0	.0	.0	.2	1.4	.0	.0	.0	.0	.0	.0	.0
IRCINIA SP.	.0	.7	.0	.0	.0	.0	.0	.2	.0	.0	.4	.0	.0	.0	.0
IRCINIA CAMPANA	.0	.1	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0
IRCINIA FELIX	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0
IRCINIA SP. 2	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
IRCINIA SP. 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.2	.0	.0
CHELONAPLYSILLA SP.	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
DEMOSPONGEA-HAPLOSCLERIDA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
HALICLONIDAE	.0	.0	.0	.0	.0	.0	.2	1.1	.0	.0	1.3	.0	.0	.0	.0
HALICLONA SP.	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
HALICLONA COMPRESSA	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
CALLYSPONGIA SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
XESTOSPONGIA SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
MICROCIONA SP. 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
BUBARIDAE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.6	.0	.0
SPINASTRELLA SP.	.0	.0	.0	.0	.0	.0	.2	.3	.0	.0	.0	.0	.0	.0	.0
SPHECIOSPONGIA VESPARIUM	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
ANTHOSIGMELLA SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
PLACOSPONGIA MELOBESIOIDES	.0	1.3	2.3	.0	.0	.0	.1	2.6	.0	.1	1.8	.0	.5	.0	.0
CLIONA CELATA	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
TETHYIDAE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.1	.0	.0
EPIPOLASIS SP.	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
GEODIA SP.	.0	.0	.0	.0	.2	.0	.0	1.4	.0	7.8	.8	.0	.2	.0	.1
ERYLUS SP.	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
CINACHYRA SP.	.2	.6	1.1	.0	.1	.1	.2	1.2	.0	.1	1.2	.0	.1	.0	.0
DEMOSPONGEA-LITHISTIDA	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
AXINELLIDAE	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	.0	.0	.0	.0
AXINELLA SP.	.0	.0	.0	.0	.0	.0	.4	.4	.0	.0	.0	.0	.0	.0	.0
AXINELLA BOOKHOUTI	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
PSEUDAXINELLA SP.	.0	.0	.1	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
TEICHAXINELLA SHOEMAKERI	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

TABLE . AVERAGE PERCENT COVERAGE OF TAXA IN QUANTITATIVE SLIDE ANALYSIS
CRUISE 3

TAXON	STATION 01	03	07	09	10	11	13	15	17	19	21	23	27	29	30
PHAKELLIA SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
DESMOXYIDAE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
HYDROZOA	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
HYDROZOA-HYDROIDA	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.2	.0	1.8
OCTOCORALLIA-GORGONACEA	.3	.0	.0	.0	.1	.0	5.8	.0	.0	.7	.0	.0	.1	.0	.0
ANTHOZOA-ZOANTHARIA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
UNIDENTIFIED HARD CORAL(DEAD)	.0	.0	.1	.0	.0	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0
ACTINIARIA-THENARIA	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
MADRACIS SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.5	.4
MADRACIS DECACTIS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0
AGARICIA SP.	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	9.2	.0
SIDERASTREA SIDEREA	.1	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0
MANICINA SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0
OCULINA SP.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0
SCOLYMIA LACERA	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0
ISOPHYLLIA SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MYCETOPHYLLIA SP.	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ARTHROPODA-MANDIBULATA-CRUSTACEA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
DIPLOSTRACA-CLADOCERA	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
PALINURIDAE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
PLEOCYEMATA-ANOMURA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
GALATHEIDAE	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
PLEOCYEMATA-BRACHYURA	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MITHRAX SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
STENORHYNCHUS SETICORNIS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
GYMNOLAEMATA-CHEILOSTOMATA	.0	.0	.0	.8	.0	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0
STELLEROIDEA	.1	.0	.0	.0	.0	.5	.0	.0	.2	.0	.0	.0	.1	.0	.0
ASTERIODEA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
OREASTER RETICULATUS	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
OPHIUROIDEA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
GORGONOCEPHALIDAE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ASTEROPHYTON MURICATUM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0
ECHINOIDEA	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ECHINOIDEA-CLYPEASTEROIDA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLYPEASTERIDAE	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLYPEASTER SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
HOLOTHUROIDEA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
STICHOPODIDAE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
CRINOIDEA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0
CHORDATA-UROCHORDATA	.0	.3	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
CLAVELINA SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
DIDEMNUM CANDIDUM	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
OSTEICHTHYES	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.2	.0
MURAENIDAE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

TABLE . AVERAGE PERCENT COVERAGE OF TAXA IN QUANTITATIVE SLIDE ANALYSIS
CRUISE 3

TAXON	STATION 01	03	07	09	10	11	13	15	17	19	21	23	27	29	30
GYMNOTHORAX SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SAND	68.1	86.1	58.8	23.3	16.1	33.7	70.8	65.4	79.8	74.8	77.0	17.0	90.5	.0	10.2
RUBBLE	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	5.1	48.3	.5	.0	.0
SHELL RUBBLE	15.7	.4	18.7	.2	2.3	1.0	8.7	13.6	.0	5.8	.0	.0	1.5	.0	.0
ALGAL RUBBLE	.8	5.3	.1	60.2	65.7	21.3	.0	.0	4.1	.0	.0	.0	.0	.2	.0
ROCK	.0	.1	7.5	.0	4.6	2.8	1.8	1.9	.0	.0	.0	.0	.0	.0	.0
REEF ROCK	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35.3	42.0

TABLE . AVERAGE PERCENT COVERAGE OF TAXA IN QUANTITATIVE SLIDE ANALYSIS
CRUISE 4

TAXON	STATION 01	03	07	09	10	11	13	15	17	19	21	23	27	29	30
CHLOROPHYCOPHYTA	.7	.7	.0	.3	.1	.0	.2	.0	.4	.0	2.6	1.2	.5	.0	.4
CAULERPALES	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CAULERPA SP.	.0	.0	.0	.0	.1	.0	.0	.0	.7	.0	.0	.1	2.4	.0	.0
HALIMEDA SP.	.0	.0	.0	3.9	.8	.2	.0	.0	.6	.0	.0	3.8	.8	.0	.0
UDOTEA SP.	.1	.2	.0	.2	.0	.0	.1	.3	.0	.0	.1	.0	.0	.0	.0
ANADYOMENE SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.3	.0	34.3	6.0
VALONIA VENTRICOSA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
PHAEOPHYCOPHYTA	15.2	3.5	2.6	5.7	7.2	.0	.8	.4	1.7	.3	.6	.1	.1	.0	.0
RHODOPHYCOPHYTA	.0	1.0	.0	.2	.2	.9	.0	2.3	.0	.0	2.6	.1	.0	.0	.0
CRYPTONEMIALES	.4	.5	.0	.9	1.3	.0	.0	.0	.2	.0	.5	4.8	.5	13.5	22.6
PEYSSONNELIA SP.	.0	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
PEYSSONNELIA RUBRA	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	6.0	.0	.0	.0
PEYSSONNELIA SIMULANS	.0	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	9.4	.0	13.9	15.7
PORIFERA	.5	1.2	1.4	.3	2.4	.8	6.0	4.1	1.5	.9	5.0	3.6	3.7	2.6	3.9
CALCAREA	.6	3.1	2.2	1.5	3.5	.5	.6	2.1	1.4	.0	.5	.0	.0	.2	.0
HIPPOSPONGIA SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
HIPPOSPONGIA LACHNE	.0	.3	.0	.0	.0	.0	.3	.0	.0	.2	.0	.0	.0	.0	.0
IRCINIA SP.	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0
IRCINIA CAMPANA	.0	.0	.0	.0	.1	.0	.0	1.3	.0	.0	.1	.0	.0	.0	.0
IRCINIA SP. 1	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
DEMOSPONGEA-HAPLOSCLERIDA	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0
HALICLONIDAE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
HALICLONA SP.	.1	.0	.1	.0	.0	.0	.0	1.1	.0	.3	.6	.0	.0	.0	.0
SPINOSELLA PLICIFERA	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ADOCIIDAE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
XESTOSPONGIA SP.	.0	.0	.0	.0	.0	.0	.2	.1	.0	.5	.0	.0	.0	.0	.0
CRIBROCHALINA SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MICROCIONA SP.	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
BUBARIS SP.	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0
HALICHONDRIA SP. 2	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
SPHECIOSPONGIA VESPARIUM	.0	.3	.0	.0	.0	.0	.0	.8	.0	.8	.0	.0	.2	.0	.0
ANTHOSIGMELLA VARIANS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
TERPIOS SP.	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
PLACOSPONAIA SP.	.0	.0	.0	.0	.1	.0	.0	2.4	.0	.0	3.4	.0	.9	.0	.0
PLACOSPONGIA MELOBESIOIDES	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLIONA CELATA	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
TETHYA SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.2	.0
EPIPOLASIS SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.2	.0	.0	.0	.0
GEODIA SP.	.0	.0	.1	.0	.3	.0	1.6	1.2	.0	.0	.0	.0	.1	.0	.0
GEODIA NEPTUNI	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	.3	.0	.0	.0	.0
GEODIA GIBBEROSA	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
ERYLUS SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CINACHYRA SP.	1.3	.6	1.2	.0	.7	.0	.3	1.2	.0	.3	.8	.0	.4	.0	.0
AXINELLA SP.	.0	.0	.0	.0	.0	.0	.1	.2	.0	.3	.0	.0	.0	.0	.0

TABLE . AVERAGE PERCENT COVERAGE OF TAXA IN QUANTITATIVE SLIDE ANALYSIS
CRUISE 4

TAXON	STATION 01	03	07	09	10	11	13	15	17	19	21	23	27	29	30
PSEUDAXINELLA SP.	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
PSEUDAXINELLA LUNAECHARTA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
TEICHAXINELLA SP.	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
TEICHAXINELLA SHOEMAKERI	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
PHAKELLIA SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
HYDROZOA	.0	.0	.0	.0	.0	.7	8.1	.0	.0	.1	.0	.0	.0	.0	.0
HYDROZOA-HYDROIDA	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.0	.2	.0	.0	.2
CIRRIPATHES SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ANTHOZOA-OCTOCORALLIA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
OCTOCORALLIA-GORGONACEA	.0	.3	.0	.0	.1	.1	1.7	.0	.0	1.3	.0	.0	.0	.0	1.1
ACTINIARIA-THENARIA	.0	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0
MADRACIS SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.9	.5
MADRACIS DECACTIS	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
AGARICIA SP.	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	12.4	.1
SIDERASTREA SP.	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0
MANICINA SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
MONTASTREA SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
OCULINA SP.	.9	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.1	.0
SCOLYMIA LACERA	.0	.0	.2	.0	.0	.0	.0	.2	.0	.1	.3	.0	.0	.1	.0
POLYCHAETA	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
FILOGRANA SP.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.2	.0	.0
CASSIS SP.	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
OCTOPUS SP.	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SICYONIA SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
PLEOCYEMATA-CARIDEA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SCYLLARIDES AEQUINOCTIALIS	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
GALATHEIDAE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
PLEOCYEMATA-BRACHYURA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MAJIDAE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
STENORHYNCHUS SETICORNIS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ECTOPROCTA	.0	.0	.0	.9	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0
ECHINODERMATA	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
STELLEROIDEA	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ASTERIODEA	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
OREASTER RETICULATUS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
OPHIDIASTERIDAE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NARCISSIA TRIGONARIA	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
PORANIIDAE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ECHINASTER SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0
OPHIUROIDEA	.0	.0	.0	.2	.0	.0	.2	.0	.1	.0	.0	.0	.0	.1	.0
ASTEROPHYTON MURICATUM	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
ECHINOIDEA	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0
EUCIDARIS SP.	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SPATANGIDAE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0

TABLE . AVERAGE PERCENT COVERAGE OF TAXA IN QUANTITATIVE SLIDE ANALYSIS
CRUISE 4

TAXON	STATION 01	03	07	09	10	11	13	15	17	19	21	23	27	29	30
HOLOTHUROIDEA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0
CRINOIDEA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
CHORDATA-UROCHORDATA	.0	1.5	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
ASCIDIACEA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CLAVELINA GIGANTEA	.0	.2	.0	.1	.1	.0	.0	.2	.0	.0	1.1	.1	.5	.1	.1
SKATE EGG CASE	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
OSTEICHTHYES	.0	.1	7.1	.0	.1	.0	.1	.0	.0	.0	.1	.0	.1	.2	.1
OGCOCEPHALUS SP.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
EQUETUS LANCEOLATUS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MONACANTHUS SP.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
SAND	72.7	66.6	70.8	66.8	45.9	45.7	73.9	67.6	82.0	82.8	74.7	26.1	77.8	.7	11.3
RUBBLE	7.3	16.8	12.3	18.6	30.1	46.7	4.1	12.6	9.5	3.5	5.4	36.8	10.7	.0	.0
ROCK	.0	.0	1.3	.0	1.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
REEF ROCK	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19.7	37.9

APPENDIX B-11 GEOGRAPHICAL HETEROCHRONY IN THE SOUTHWEST FLORIDA SHELF MOLLUSCAN FAUNA[1]

1.0 Introduction

Over the last few years, several new concepts in marine molluscan zoogeography and community evolution have been put forth. One of these involves the existence of communities composed of "living fossils" or relict species and is called "geographical heterochrony". This new concept, as yet still in press, is outlined below. Because of the evidence collected during the Fall and Spring Cruises (Year 1), geographical heterochrony must be taken into account when evaluating the zoogeographical patterns of the southwest Florida continental shelf molluscs.

2.0 Geographical Heterochrony

The recent tropical western Atlantic has been shown to be a heterogeneous array of scattered, discrete faunas, each composed of survivors from different geological ages (Petuch, 1980, 1981a,b, in press). These geographically small, isolated concentrations of relict species were called "relict pockets", and their presence within a recently-evolved zoogeographic province was referred to as "geographical heterochrony" (Petuch, in press). A geographically heterochronous province is one that contains not only areas where evolution has taken place at an accelerated pace producing a geologically new fauna, but also

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[1] Contributed by Edward J. Petuch Ph.D., formerly with Continental Shelf Associates, Inc., presently associated with the U.S. Museum of Natural History

small areas where evolution has been greatly slowed or stopped, resulting in faunas that are "frozen" in time.

The perception of geographical heterochrony is dependent on the type of organisms studied and the extent and preservation of their fossil record. Obviously, soft-bodied animals would not leave a fossil record, so hypothetical relictness in these groups could not be tested directly. More advanced forms of cladistics are usually used in these cases, but these can only establish the primitiveness of a character state and will not indicate the presence of a relict. Only certain groups of organisms can be used to demonstrate the presence of "living fossils" in a marine zoogeographic region. Since molluscs are among the most abundant marine organisms and have the best fossil record, they lend themselves to any easy comparison with living fossil species and are the best indicators of relict pockets in the marine environment.

Two types of relict pockets were defined by Petuch (1981b; in press), and their status depended upon the speciation pattern that had taken place within each subregion. A pattern of null speciation is seen in a "primary relict pocket" and this results in a fauna that is virtually identical, at both the generic and specific level, to the widespread ancestral fauna of the main zoogeographic region. A slowed speciation pattern has produced a "secondary relict pocket" where surviving ancestral genera have undergone secondary speciation within the confines of the subregion. In both types, the zoogeographic boundaries of the relict pockets delineate refugia for once-widespread taxa that previously had been thought to have been extinct, in many cases, for several millions of years.

The modern Caribbean - tropical western Atlantic molluscan fauna has been shown to be composed of remnants of two ancestral Neogene provinces, the Caloosahatchian Province and the Gatunian Province. These two biogeographical regions were shattered by a series of simultaneous catastrophic events at the end of the Pliocene and at the beginning of the Pleistocene, some of which included glacial sea level fluctuations and temperature changes, the closing of the Isthmus of Panama, the cessation of southern Caribbean upwelling systems, and the altering of oceanic currents (CLIMAP members, 1976; Vermeij, 1978; Petuch, 1981a, in press). In the western Atlantic these tremendous alterations of the Upper Tertiary marine environment produced a widespread, newly-evolved Caribbean fauna and four known relict pockets (Figure 1). A Gatunian primary relict pocket had been found to exist along the northern coast of South America (Petuch, 1981a). In turn, two secondary Caloosahatchian relict pockets have been discovered off Central America, one off the Yucatan Peninsula of Mexico and one off of Roatan Island, Honduras (Petuch, 1980, in press). Until the BLM survey cruises of the southwest Florida continental shelf, however, no Caloosahatchian primary relict pockets were known to exist.

3.0 Results and Discussion

An atypical tropical western Atlantic molluscan assemblage was encountered during Cruises III and IV. This assemblage contained species known to have survived the glacial periods, as well as new true relict species previously known only from the fossil record (Table 1). The majority of these new true relict species appear to occur in deeper water(>50 m) in the Inner and Middle Shelf Live Bottom Assemblage II, Middle Shelf Algal Nodule Assemblage, and the Agaricia Coral Plate Assemblage. Due to the unusual appearance and species

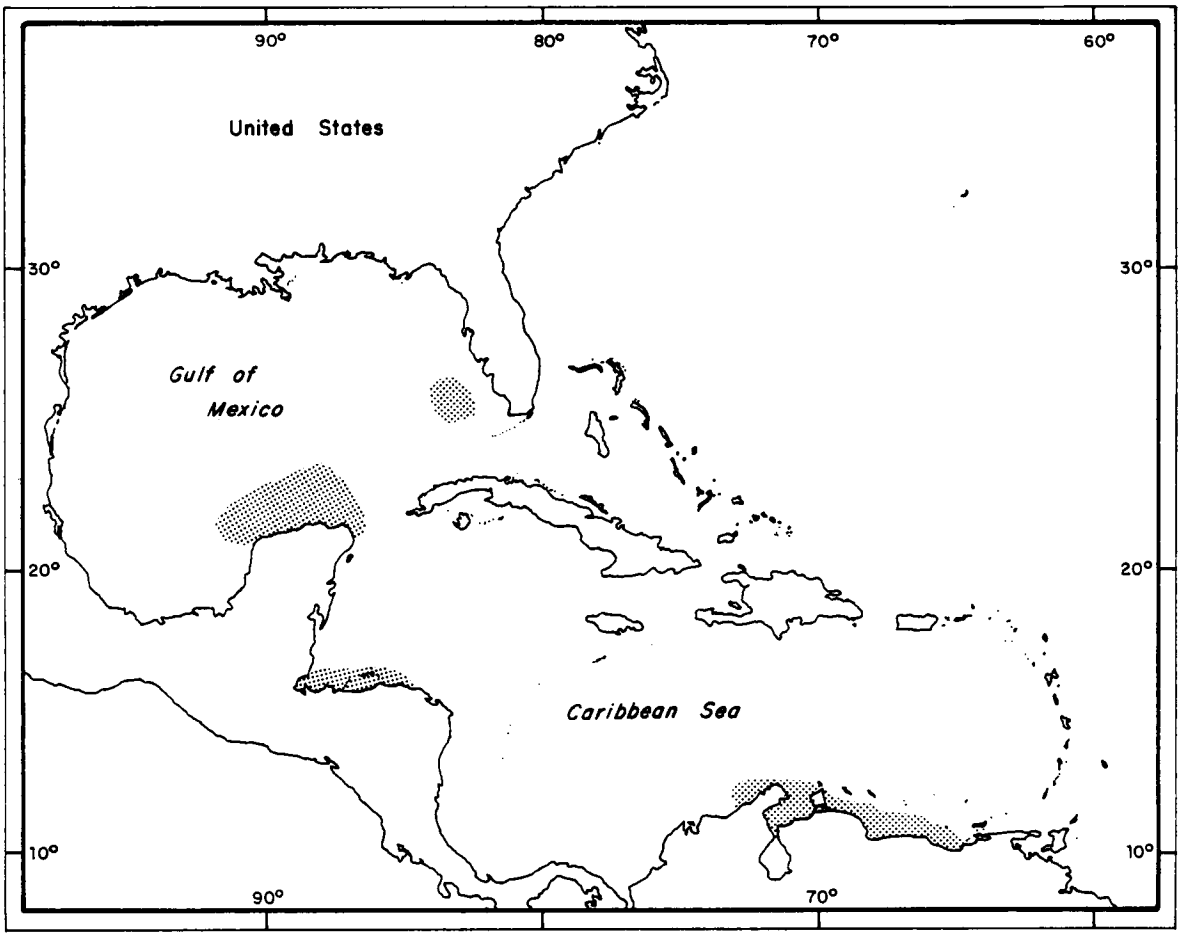

Figure 1. Caloosahatchian Yucatan and Roatan Secondary Relict Pockets, Gatunian Venezuelan Primary Relict Pocket, and Caloosahatchian Southwest Florida Primary Relict Pocket (stipled areas).

Table 1. Southwest Florida shelf relict gastropods (partial list).

Family and Species	Florida Geological Formations
Turbinidae	
1. *Turbo crenulatus* Gmelin	Pinecrest Beds, Caloosahatchee, Bermont
*2. *Turbo ayersi* Olsson	Pinecrest Beds
Muricidae	
3. *Acanthotrophon striatoides* E. Vokes	Caloosahatchee, Bermont
4. *Calotrophon ostrearum* (Conrad)	Pinecrest Beds, Caloosahatchee, Bermont, Ft. Thompson
5. *Chicoreus florifer* (Reeve)	Caloosahatchee, Bermont, Ft. Thompson
6. *Favartia cellulosa* (Conrad)	Pinecrest Beds, Caloosahatchee, Bermont, Ft. Thompson
7. *Murex bellegladeensis* E. Vokes	Bermont
8. *Murex rubidus* F.C. Baker	Caloosahatchee, Bermont, Ft. Thompson
9. *Phyllonotus pomum* (Gmelin)	Pinecrest Beds, Caloosahatchee, Bermont, Ft. Thompson
*10. *Chicoreus* n. sp. (Petuch, in press)	Pinecrest Beds, Caloosahatchee
Nassariidae	
11. *Nassarius floridensis* Olsson and Harbison	Pinecrest Beds, Caloosahatchee
Buccinidae	
12. *Cantharus multangulus* (Philippi)	Pinecrest Beds, Caloosahatchee, Bermont
Olividae	
*13. *Oliva edwardsi* Olsson	Bermont

* = FIRST NOTED IN THIS REPORT

Table 1. (Continued)

Family and Species	Florida Geological Formations
Cancellariidae	
*14. Cancellaria cf. floridana Olsson and Petit	Pinecrest Beds, Caloosahatchee
*15. Cancellaria sp. (Petuch, in press)	Pinecrest Beds
Conidae	
*16. Conus cf. floridanus Gabb	Caloosahatchee, Bermont, Ft. Thompson
17. Conus spurius Gmelin	Pinecrest Beds, Caloosahatchee, Bermont, Ft. Thompson
Turridae	
18. Polystira albida (Perry)	Caloosahatchee
*19. Splendrillia cf. brunnescens Rehder	Bermont

* = FIRST NOTED IN THIS REPORT

composition of the molluscan assemblage, a geographically heterochronous situation was suspected. For the most part, the entire molluscan assemblage closely resembled, in both genera and species, the faunas of the Pliocene-Pleistocene Caloosahatchee and Bermont Formations. Interestingly enough, several of the more conspicuous relict gastropods have never been formally described, neither from living nor from fossil specimens.

Species endemism, including the endemic relicts, was quite high, with 46% of the total gastropod fauna being restricted to the southwest Florida shelf. Generally, the neogastropods showed the highest level of endemism, with four of the nine muricid species being confined to south Florida (three of these to the southwest shelf). In addition, one of the two Cantharus (Buccinidae) species, both Cancellaria (Cancellariidae) species, one of the two Oliva (Olividae) species, and two of the three Splendrillia (Turridae) species were all restricted to the southwest shelf.

Some rare and poorly-known gastropods were taken in the Coralline Algal Nodule over Sand and Algal Nodule Pavement with Agaricia Accumulation bottom substrate types. These included Nesta atlantica, Turbo crenulatus, Cymatium pharcidum, Acanthotrophon striatoides, Fasciolaria bullisi, and Conus flamingo. Several uncommon, deep water Carolinian and Gulf of Mexico gastropods, such as Ficus carolae, Fasciolaria tortugana, Calliostoma marionae, Fusinus helenae, Strioterebrum onslowensis, and Conus rainesae were regularly taken throughout the area. Several unusual new species were also encountered. These included a new Cantharus whose nearest relative is a species from the Gulf of California, a new Splendrillia species, and a new Conus.

The relict molluscs were primarily gastropods and included a presently undescribed Chicoreus species that is very common in the Pinecrest Beds and Caloosahatchee Formation; two cancellarid species, one of which may be a form of Cancellaria floridana from the Caloosahatchee Formation; and Oliva edwardsi, previously known only from the Bermont Formation. These are listed on Table 1. Together with other species that were known to have lived in the upper Neogene, such as Phyllonotus pomum, Chicoreus florifer, Conus floridanus, Murex bellegladeensis, Acanthotrophon striatoides, and Cantharus multangulus, these previously unreported relicts give the entire assemblage a decidedly Caloosahatchian "flavor".

The relict mollusc fauna off southwest Florida represents the fourth known relict pocket in the tropical-subtropical western Atlantic. Its closest affinities lie with the Yucatan Caloosahatchian Secondary Relict Pocket, which contains many of the same genera. The species compositions of the two pockets, however, differ greatly and this probably is the result of separation and isolation of the two faunas since the end of the Pliocene. Unlike the Yucatan Pocket, where relict genera such as Busycoarctum (Melongenidae), Cinctura (Fasciolariidae), and Myurellina (Terebridae) have undergone post-Pleistocene secondary speciation, the relict fauna off southwest Florida contains both the same genera and the same species as the Upper Tertiary ancestral faunas. Future work may show that this area represents the first known Caloosahatchian primary relict pocket.

A certain number of widespread Caribbean non-relict species have established themselves within the relict pocket. Several of these, such as Strombus

raninus, S. costatus, Natica canrena, Cypraea spurca acicularis, Cerithium litteratum, Distorsio clathrata, and Cymatium krebsi are known to have long-lived planktotrophic larvae, and are distributed from North Carolina and Bermuda to southern Brazil. Judging from their absence in the Neogene fossil record of Florida, these species probably represent recent Upper Pleistocene immigrants to the area of the relict pocket.

The species richness of the bivalves was found to be considerably lower than that of the gastropods. This result may have been an artifact of collecting, since no deep infaunal sampling was done at live bottom stations during the cruises. None of the major Floridian Neogene bivalve genera that were contemporaneous with the relict gastropods, such as Caloosarca, Larkinia (both Arcidae), and Placunanomia (Anomiidae), were found to be extant in the relict pocket. In turn, the southwest Floridian bivalve fauna appeared typically Caribbean, with most species having ranges throughout the western Atlantic. The survival of Neogene gastropods and the extinction of contemporaneous bivalves may have been a function of vagility; the more motile, and adaptable gastropods could shift their ranges during glacial sea level drops much more easily than could the less motile, sessile bivalves.

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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.