

FRI-UW-8117

September 1981

JUVENILE SALMONID AND BAITFISH DISTRIBUTIONS, ABUNDANCE,
AND PREY RESOURCES IN SELECTED AREAS OF GRAYS HARBOR,
WASHINGTON -- APPENDICES

by

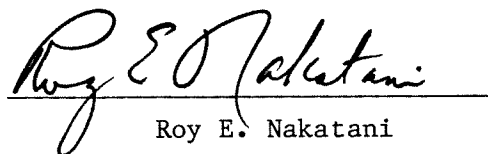
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Final Report to
Seattle District, U.S. Army Corps of Engineers
Contract No. DACW 67-80-C-0102
September 1981

Approved

Submitted September 10, 1981


Roy E. Nakatani

Acting for the Director

INTRODUCTION

These Appendix tables and figures accompany the Final Report "Juvenile Salmonid and Baitfish Distribution, Abundance and Prey Resources in Selected Areas of Grays Harbor, Washington," edited by Charles A. Simenstad and Douglas M. Eggers (Fisheries Research Institute, University of Washington, Seattle, Washington FRI-UW-8116). Discussion of the methods, results, and interpretations relevant to these appendices are contained within the text of that report.

APPENDIX TABLE 1-1

Fish Species Occurrence

Appendix Table 1-1. Occurrence of fish species caught at six sites in Grays Harbor, Washington with beach seine (BS) and purse seine (PS), March-October 1980.

Species, common name	Gear	Life history stage			Sand Island	Cosmo-polis	Cow Point	Moon Island	Stearn's Bluff	West-Port
		Adult	Juvenile	Larvae						
PETROMYZONTIDAE - LAMPREYS										
<u>Lampetra ayresi</u> , river lamprey	PS	x	x				x	x		
CLUPEIDAE - HERRINGS										
<u>Alosa sapidissima</u> , American shad	PS,BS	x	x		x	x	x	x	x	
<u>Clupea harengus pallasii</u> , Pacific herring	PS,BS	x	x	x	x	x	x	x	x	x
ENGRAULIDAE - ANCHOVIES										
<u>Engraulis mordax</u> , Northern anchovy	PS,BS	x	x	x		x	x	x	x	x
SALMONIDAE - TROUTS										
<u>Oncorhynchus keta</u> , chum salmon	PS,BS		x		x	x	x	x	x	x
<u>O. kisutch</u> , coho salmon	PS,BS		x		x	x	x	x	x	x
<u>O. tshawytscha</u> , chinook salmon	PS,BS		x		x	x	x	x	x	x
<u>Salmo gairdneri</u> , rainbow (steelhead) trout	PS,BS		x			x	x	x	x	x
<u>Salvelinus malma</u> , Dolly Varden	BS		x				x			
OSMERIDAE - SMELTS										
<u>Allosmerus elongatus</u> , whitebait smelt	PS,BS		x	x		x	x	x	x	x
<u>Hypomesus pretiosus</u> , surf smelt	PS,BS		x	x	x	x	x	x	x	x
<u>Spirinchus thaleichthys</u> , longfin smelt	PS		x	x	x	x	x	x	x	x
CYPRINIDAE - CARPS AND MINNOWS										
<u>Mylocheilus caurinus</u> , peamouth	PS,BS		x	x	x	x	x			
<u>Ptychocheilus oregonensis</u> , northern squawfish	PS,BS		x			x				
<u>Richardsonius balteatus</u> , reddsideshiner	BS		x		x					
CATOSTOMIDAE - SUCKERS										
<u>Catostomus</u> sp., sucker	BS			x	x					
GADIDAE - CODFISHES										
<u>Microgadus proximus</u> , Pacific tomcod	PS,BS		x				x	x	x	
ZOARCIDAE - EELPOUTS										
	PS		x				x			
ATHERINIDAE - SILVERSIDES										
<u>Atherinops affinis</u> , topsmelt	BS		x							x
GASTROSTEIDAE - STICKLEBACKS										
<u>Gasterosteus aculeatus</u> , threespine stickleback	PS,BS		x	x	x	x	x	x	x	x
SYNGNATHIDAE - PIPEFISHES										
<u>Syngnathus leptorhynchus</u> , bay pipefish	PS,BS		x	x			x	x	x	
EMBLIOTOCIDAE - SURFPERCHES										
<u>Cymatogaster aggregata</u> , shiner perch	PS,BS		x	x	x	x	x	x	x	x
<u>Embiotoca lateralis</u> , striped seaperch	BS		x	x				x	x	x
<u>Hyperprosopon argenteum</u> , walleye surfperch	BS		x							x
<u>H. ellipticum</u> , silver surfperch	BS		x							x
<u>Phanerodon furcatus</u> , white seaperch	PS,BS		x						x	x
<u>Rhacochilus vacca</u> , pile perch	BS		x	x			x		x	x

Appendix Table 1-1. Occurrence of fish species caught at six sites in Grays Harbor, Washington with beach seine (BS) and purse seine (PS), March-October 1980 - continued.

Species, common name	Gear	Life his- tory stage			Sand Island	Cosmo- polis	Cow Point	Moon Island	Stearn's Bluff	West- Port
		Adult	Juvenile	Larvae						
STICHAEIDAE - PRICKELBACKS										
<u>Lumpenus sagitta</u> , snake prickleback	PS,BS	x	x	x			x	x	x	
PHOLIDAE - GUNNELS										
<u>Pholis ornata</u> , saddleback gunel	PS,BS	x	x				x	x	x	x
AMMODYTIDAE - SAND LANCES										
<u>Ammodytes hexapterus</u> , Pacific sand lance	PS,BS		x	x			x	x		x
GOBIIDAE - GOBIES										
<u>Clevelandia ios</u> , arrow goby	BS		x						x	
<u>Lepidogobius lepidus</u> , bay goby	BS		x						x	
SCORPAENIDAE - SCORPIONFISHES										
<u>Sebastes pinniger</u> , canary rockfish	BS		x				x			
HEXAGRAMMIDAE - GREENLINGS										
<u>Hexagrammos</u> sp., greenling	PS,BS		x				x		x	x
<u>H. decagrammus</u> , kelp greenling	PS,BS		x			x			x	x
<u>H. lagocephalus</u> , rock greenling	BS		x						x	
<u>Ophiodon elongatus</u> , lingcod	BS		x						x	x
COTTIDAE - SCULPINS										
<u>Clincottus</u> sp., sculpin	BS		x						x	x
<u>Cottus asper</u> , prickly sculpin	BS		x		x			z		
<u>Enophrys bison</u> , buffalo sculpin	BS		x				x			
<u>Leptocottus armatus</u> , staghorn sculpin	PS,BS		x	x	x		x		x	x
<u>Scorpaenichthys marmoratus</u> , cabezon	PS		x						x	x
BOTHIDAE - LEFTEYE FLOUNDERS										
<u>Citharichthys</u> sp., flounder			x						x	
<u>C. sordidus</u> , Pacific sanddab	BS		x						x	
<u>C. stigmaeus</u> , speckled sanddab	BS		x				x		x	x
PLEURONECTIDAE - RIGHTEYE FLOUNDERS										
<u>Parophrys vetulus</u> , English sole	PS,BS		x	x				x	x	x
<u>Platichthys stellatus</u> , starry flounder	BS		x		x		x		x	x
<u>Psettichthys melanostictus</u> , sand sole	BS		x		x		x		x	x

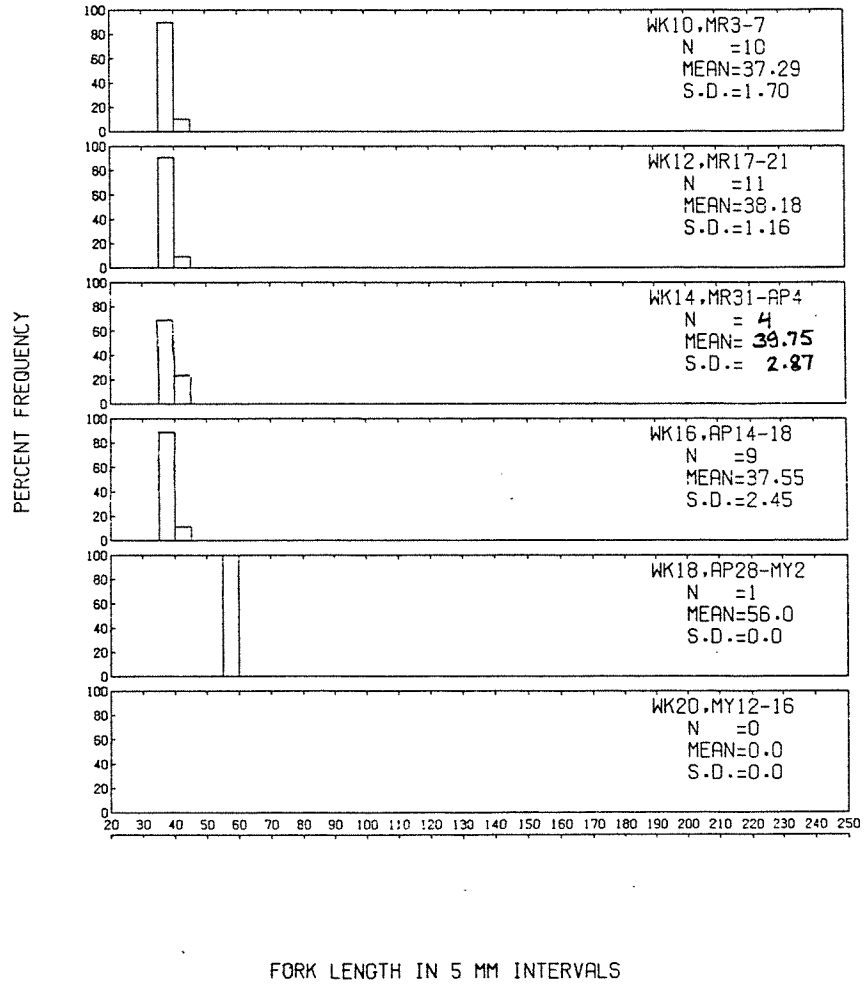
APPENDIX FIGURES 3-1 TO 3-5

Length Frequency Distributions of Juvenile Chum,
Chinook and Coho Salmon

A.

GRAYS HARBOR CHUM BEACH SEINE CATCH, 1980

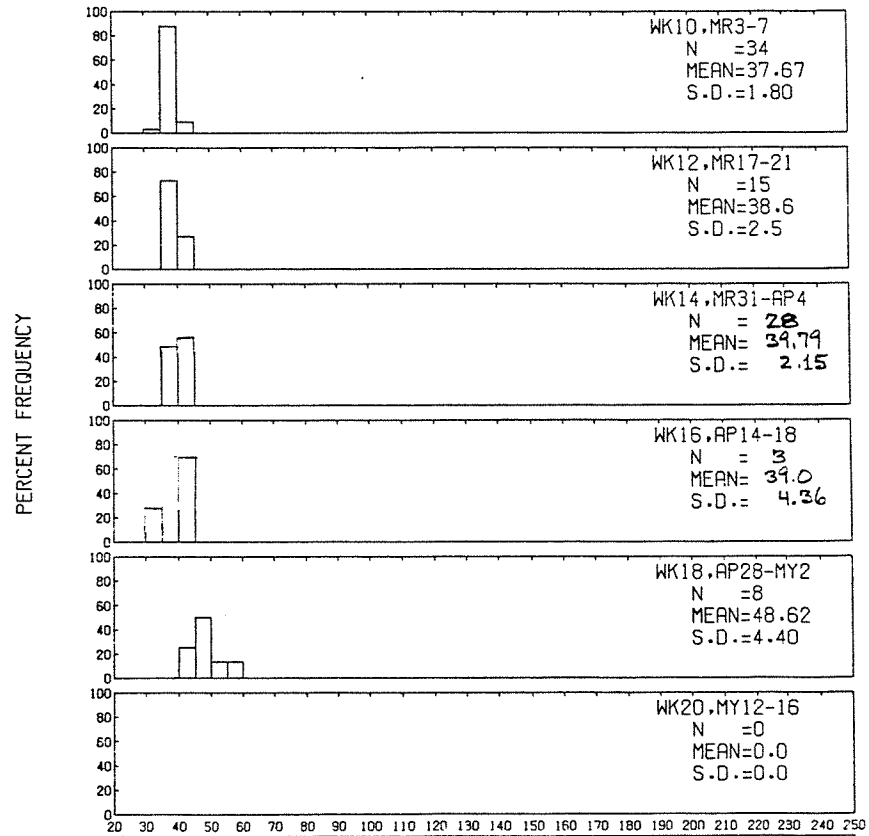
COW POINT
LENGTH FREQUENCY HISTOGRAMS



Appendix Fig. 3-1. Length frequency distributions of juvenile chum salmon caught at Grays Harbor, 1980; A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport.

B.

GRAYS HARBOR CHUM BEACH SEINE CATCH, 1980

MOON ISLAND
LENGTH FREQUENCY HISTOGRAMS

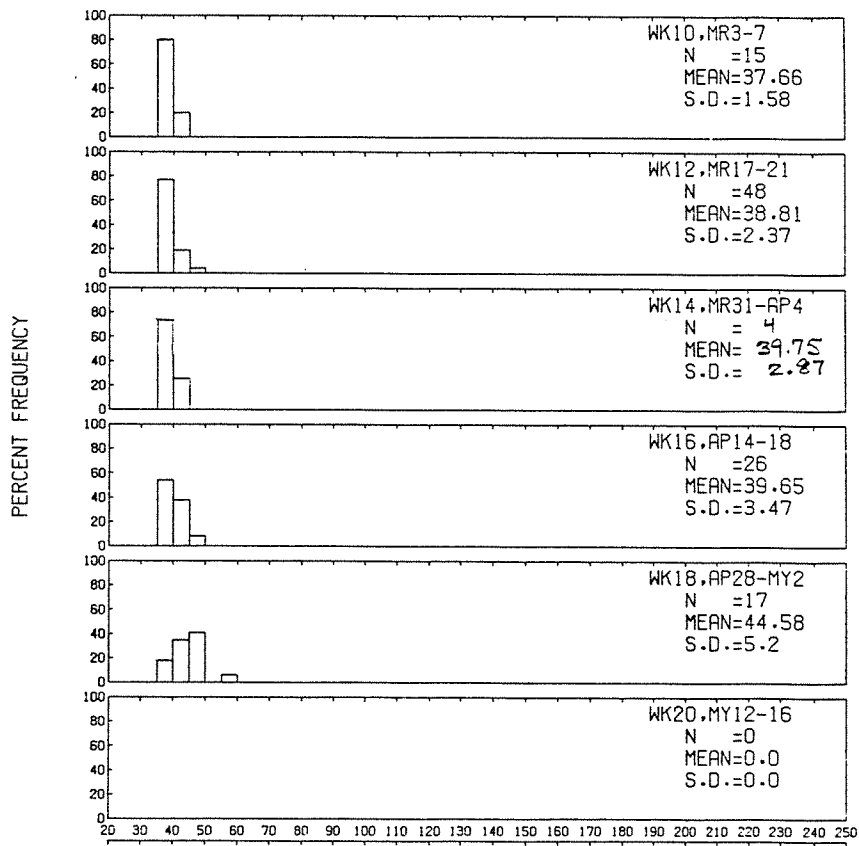
FORK LENGTH IN 5 MM INTERVALS

Appendix Fig. 3-1. Length frequency distributions of juvenile chum salmon caught at Grays Harbor, 1980; A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

C.

GRAYS HARBOR CHUM, BEACH SEINE CATCH, 1980

STEARNS BLUFF
LENGTH FREQUENCY HISTOGRAMS



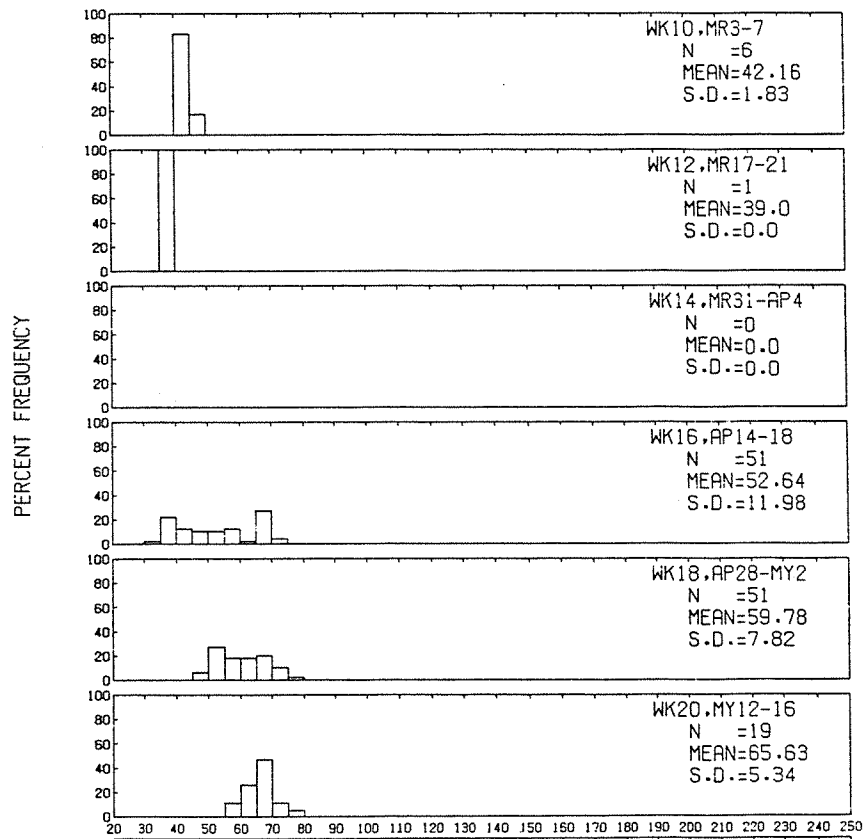
FORK LENGTH IN 5 MM INTERVALS

Appendix Fig. 3-1. Length frequency distributions of juvenile chum salmon caught at Grays Harbor, 1980; A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

D.

GRAYS HARBOR CHUM BEACH SEINE CATCH, 1980

WESTPORT
LENGTH FREQUENCY HISTOGRAMS



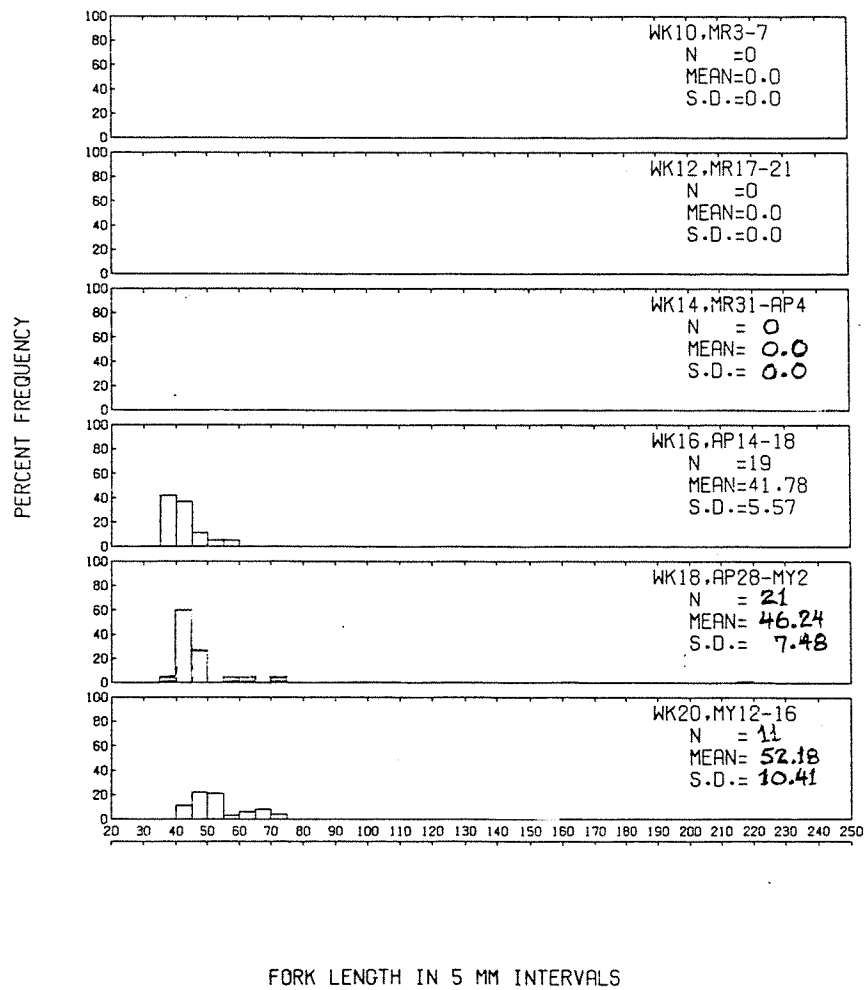
FORK LENGTH IN 5 MM INTERVALS

Appendix Fig. 3-1. Length frequency distributions of juvenile chum salmon caught at Grays Harbor, 1980; A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

A.1

GRAYS HARBOR CHINOOK, BEACH SEINE CATCH, 1980

COW POINT
LENGTH FREQUENCY HISTOGRAMS

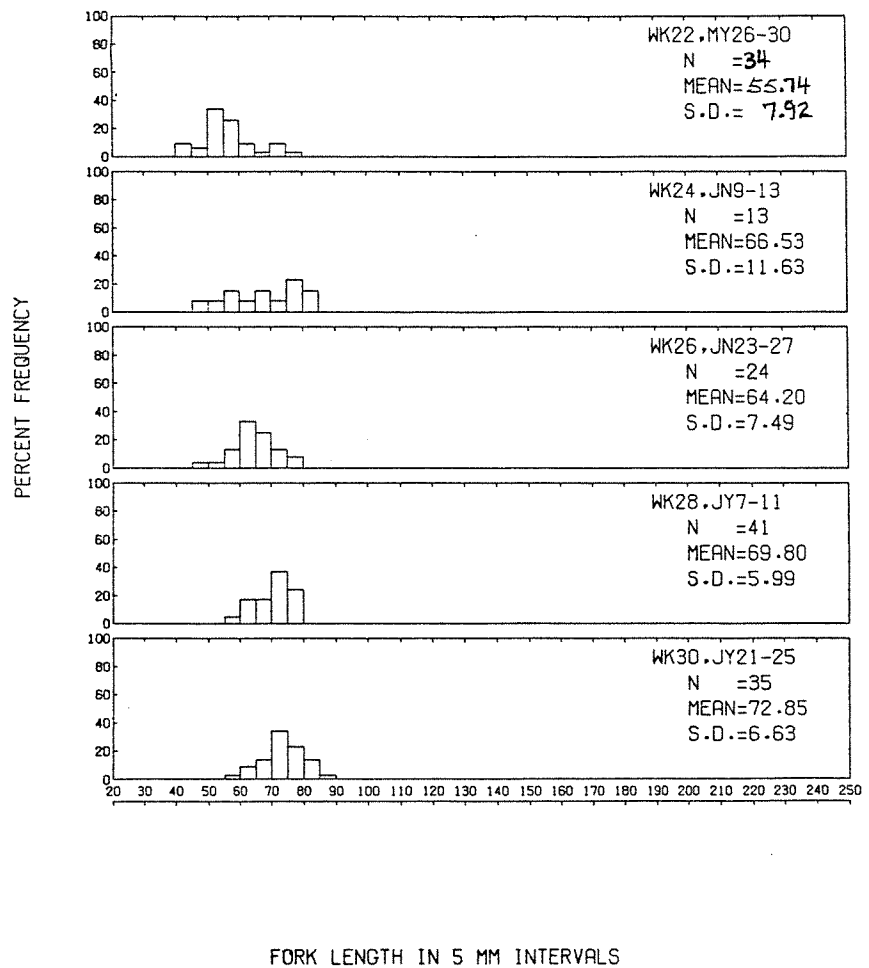


Appendix Fig. 3-2. Length frequency distribution of juvenile chinook salmon caught by beach seine at Grays Harbor, 1980; A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport.

A.2

GRAYS HARBOR CHINOOK BEACH SEINE CATCH, 1980

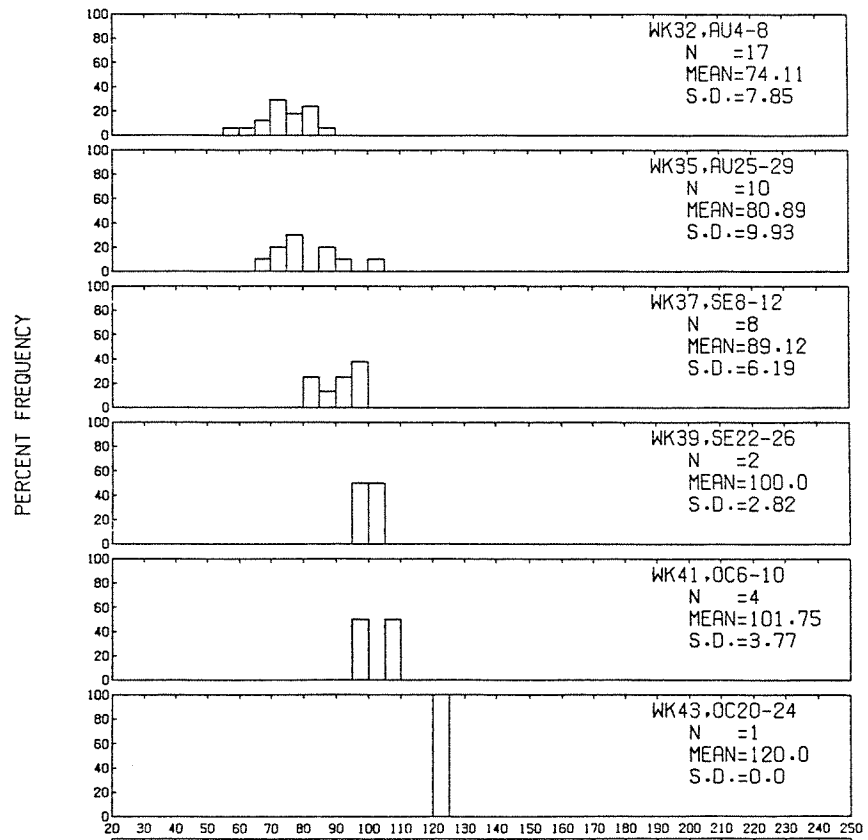
COW POINT
LENGTH FREQUENCY HISTOGRAMS



Appendix Fig. 3-2. Length frequency distribution of juvenile chinook salmon caught by beach seine at Grays Harbor, 1980; A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

A.3

GRAYS HARBOR CHINOOK, BEACH SEINE CATCH, 1980

COW POINT
LENGTH FREQUENCY HISTOGRAMS

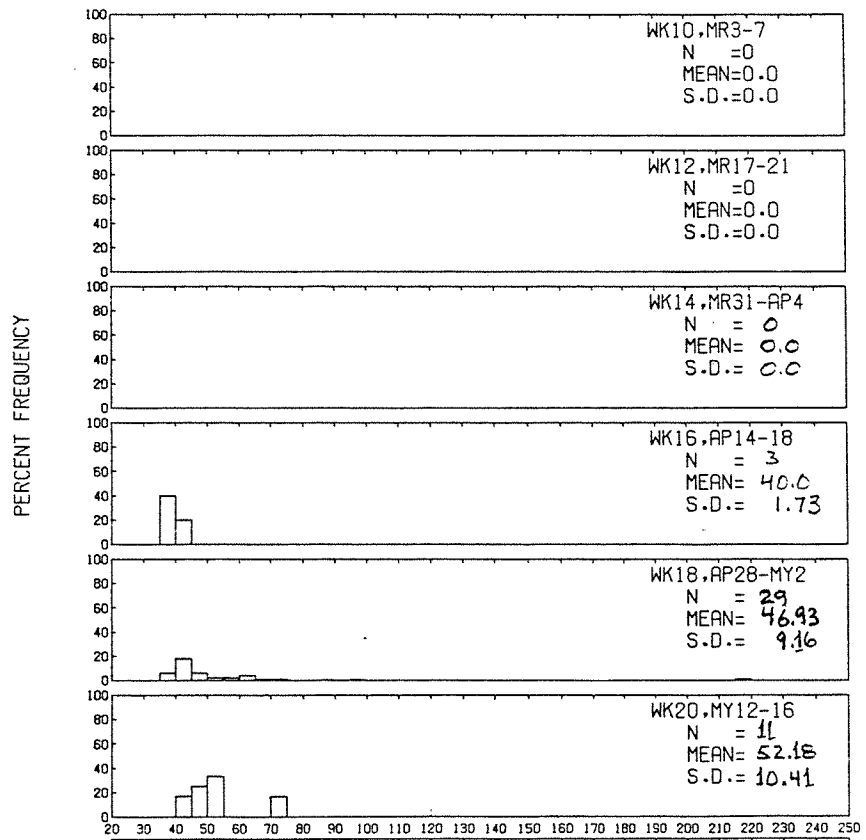
FORK LENGTH IN 5 MM INTERVALS

Appendix Fig. 3-2. Length frequency distribution of juvenile chinook salmon caught by beach seine at Grays Harbor, 1980; A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

B.1

GRAYS HARBOR CHINOOK, BEACH SEINE CATCH, 1980

MOON ISLAND
LENGTH FREQUENCY HISTOGRAMS



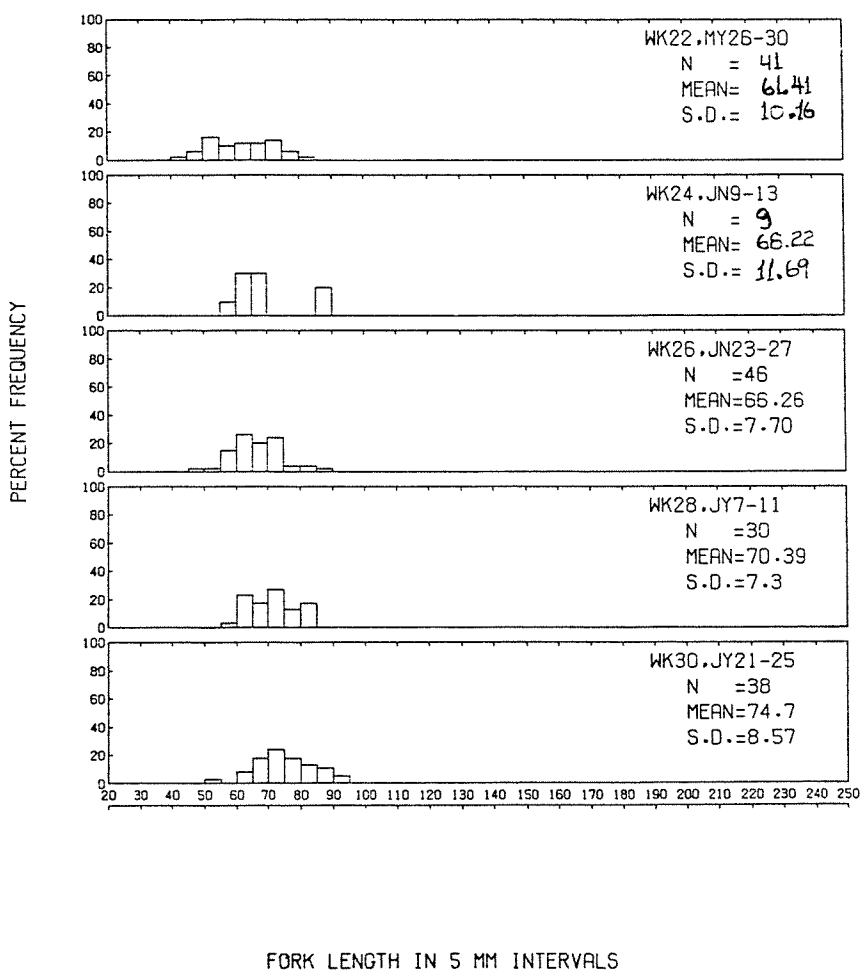
FORK LENGTH IN 5 MM INTERVALS

Appendix Fig. 3-2. Length frequency distribution of juvenile chinook salmon caught by beach seine at Grays Harbor, 1980; A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

B.2

GRAYS HARBOR CHINOOK, BEACH SEINE CATCH, 1980

MOON ISLAND
LENGTH FREQUENCY HISTOGRAMS

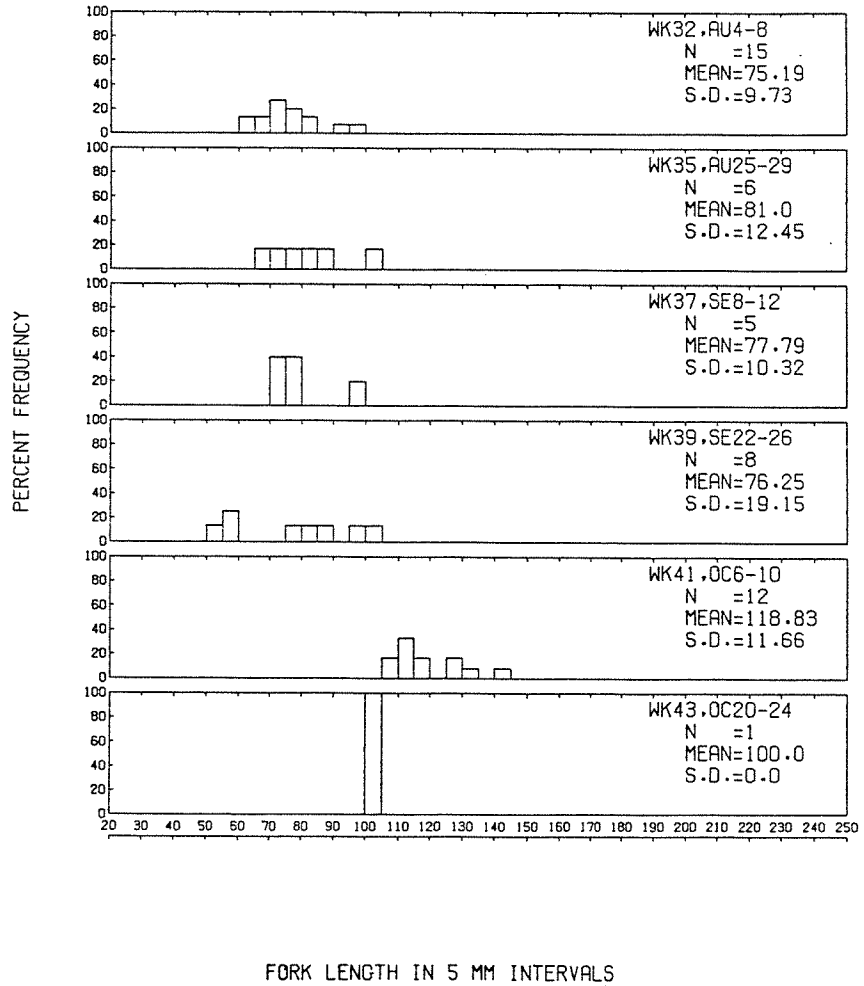


Appendix Fig. 3-2. Length frequency distribution of juvenile chinook salmon caught by beach seine at Grays Harbor, 1980; A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

B.3

GRAYS HARBOR CHINOOK, BEACH SEINE CATCH, 1980

MOON ISLAND
LENGTH FREQUENCY HISTOGRAMS

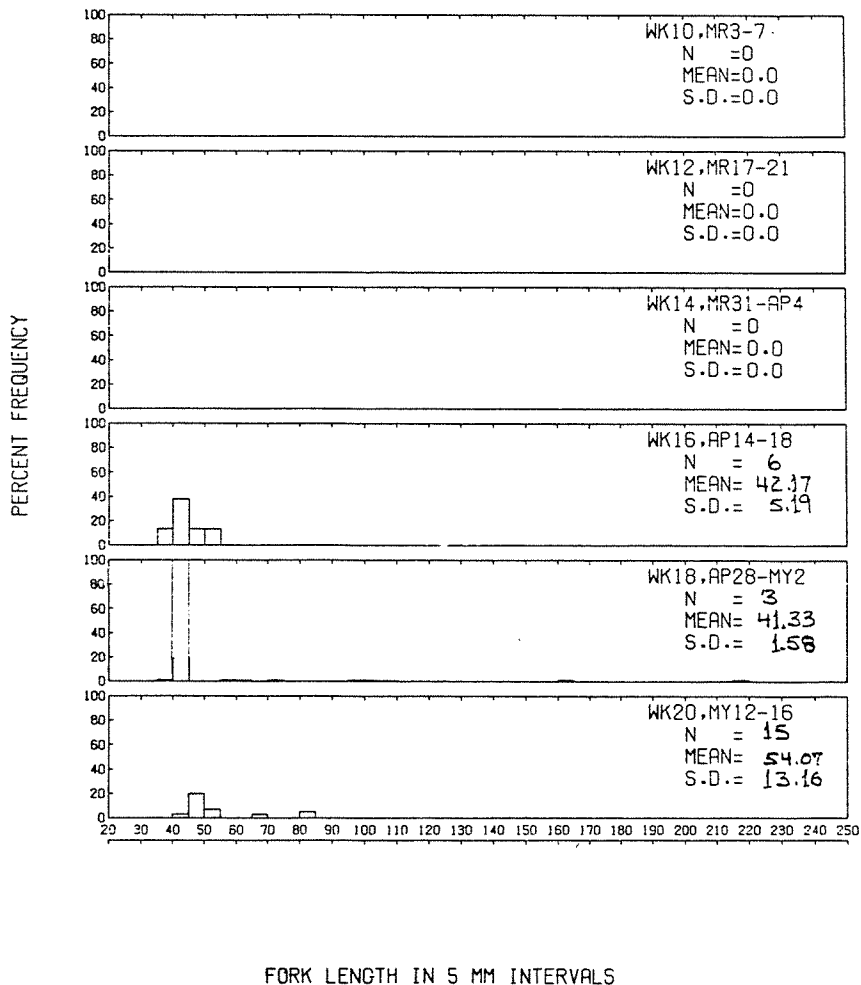


Appendix Fig. 3-2. Length frequency distribution of juvenile chinook salmon caught by beach seine at Grays Harbor, 1980; A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

C.1

GRAYS HARBOR CHINOOK, BEACH SEINE CATCH, 1980

STEARNS BLUFF
LENGTH FREQUENCY HISTOGRAMS

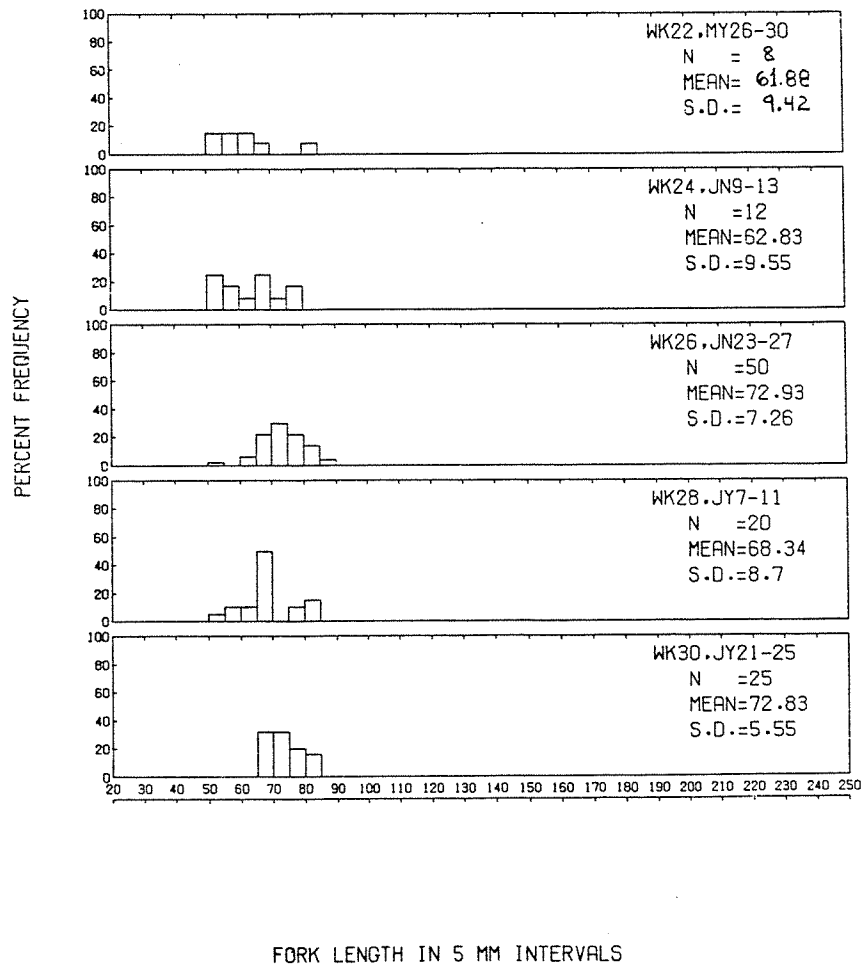


Appendix Fig. 3-2. Length frequency distribution of juvenile chinook salmon caught by beach seine at Grays Harbor, 1980; A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

C.2

GRAYS HARBOR CHINOOK, BEACH SEINE CATCH, 1980

STEARNS BLUFF
LENGTH FREQUENCY HISTOGRAMS

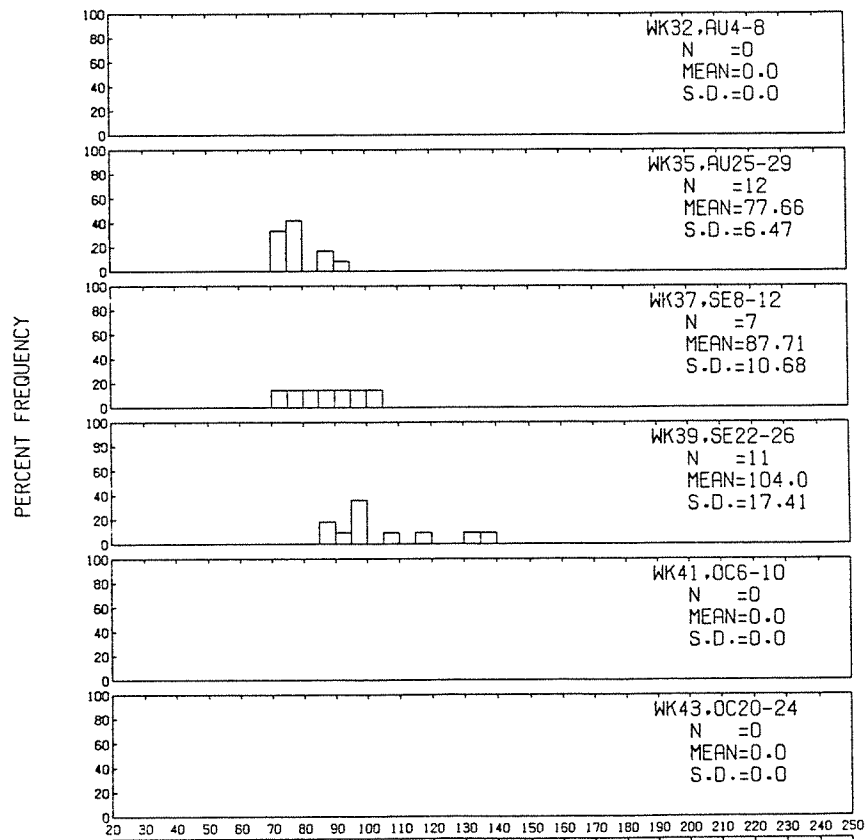


Appendix Fig. 3-2. Length frequency distribution of juvenile chinook salmon caught by beach seine at Grays Harbor, 1980; A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

C.3

GRAYS HARBOR CHINOOK, BEACH SEINE CATCH, 1980

STEARNS BLUFF
LENGTH FREQUENCY HISTOGRAMS



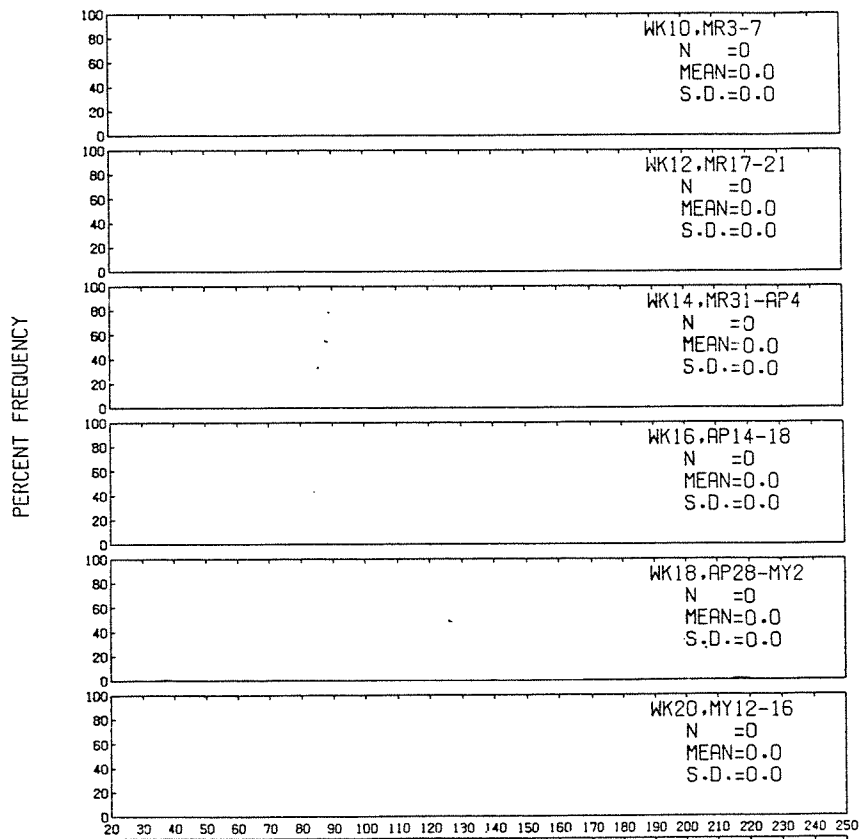
FORK LENGTH IN 5 MM INTERVALS

Appendix Fig. 3-2. Length frequency distribution of juvenile chinook salmon caught by beach seine at Grays Harbor, 1980; A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

D.1

GRAYS HARBOR CHINOOK, BEACH SEINE CATCH, 1980

WESTPORT
LENGTH FREQUENCY HISTOGRAMS



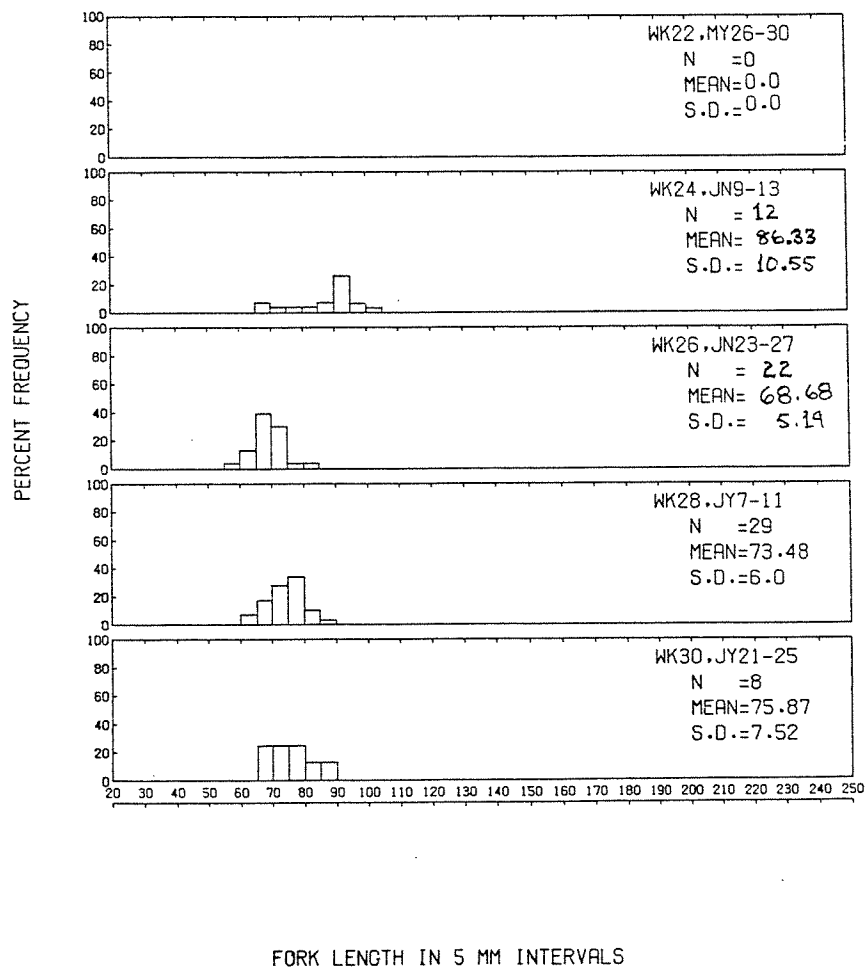
FORK LENGTH IN 5 MM INTERVALS

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D.2

GRAYS HARBOR CHINOOK BEACH SEINE CATCH, 1980

WESTPORT
LENGTH FREQUENCY HISTOGRAMS

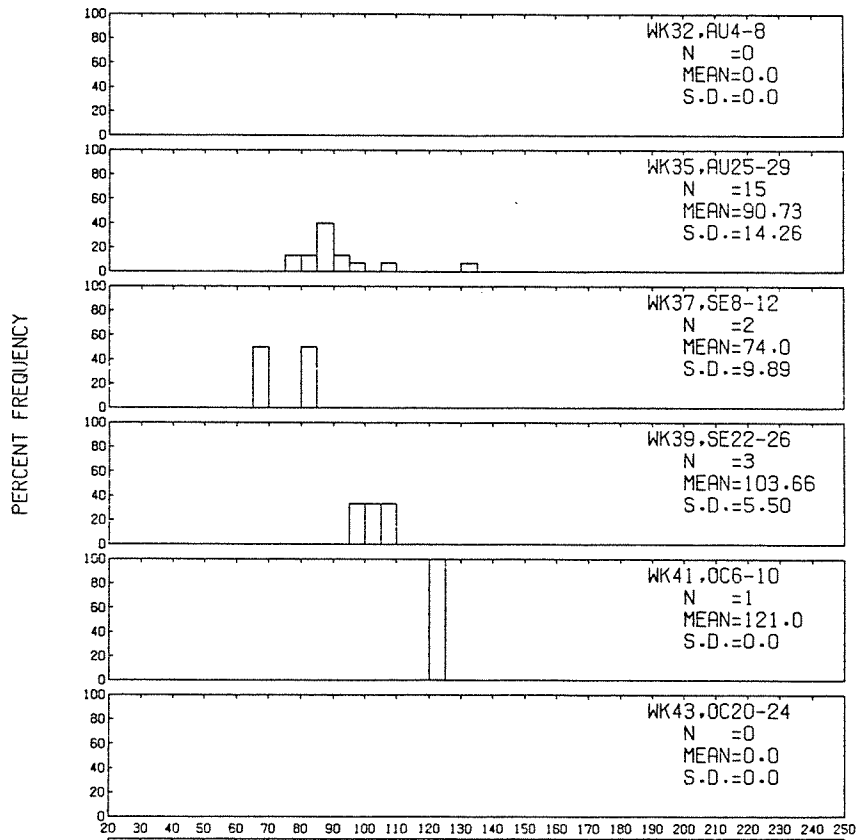


Appendix Fig. 3-2. Length frequency distribution of juvenile chinook salmon caught by beach seine at Grays Harbor, 1980; A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

D.3

GRAYS HARBOR CHINOOK, BEACH SEINE CATCH, 1980

WESTPORT
LENGTH FREQUENCY HISTOGRAMS



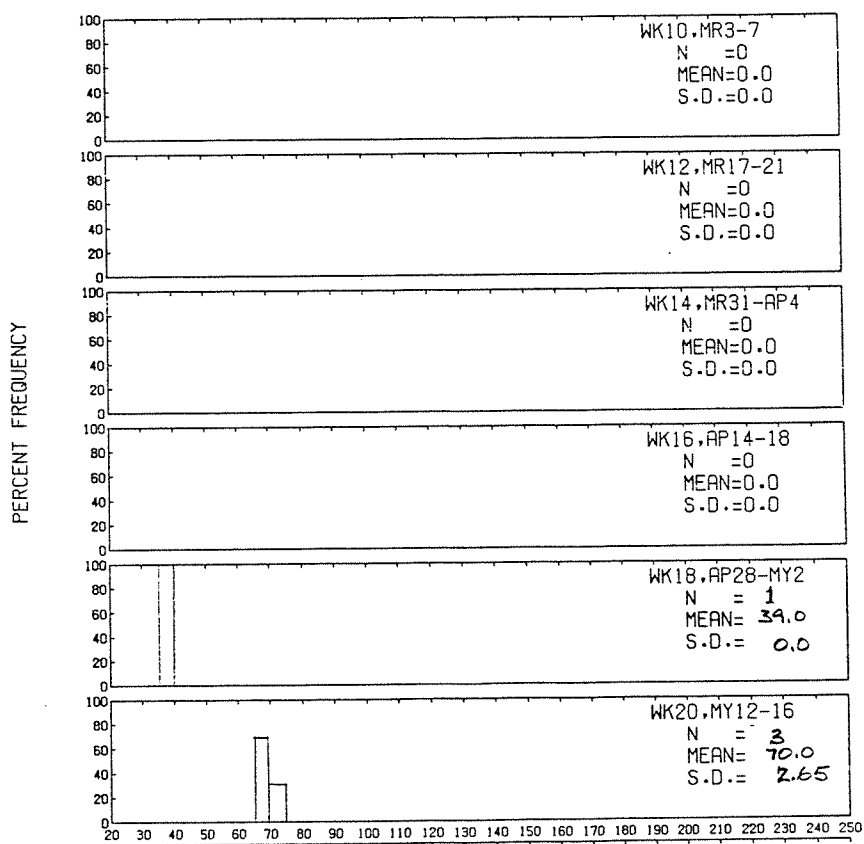
FORK LENGTH IN 5 MM INTERVALS

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A.1

GRAYS HARBOR CHINOOK, PURSE SEINE CATCH, 1980

COSMOPOLIS
LENGTH FREQUENCY HISTOGRAMS

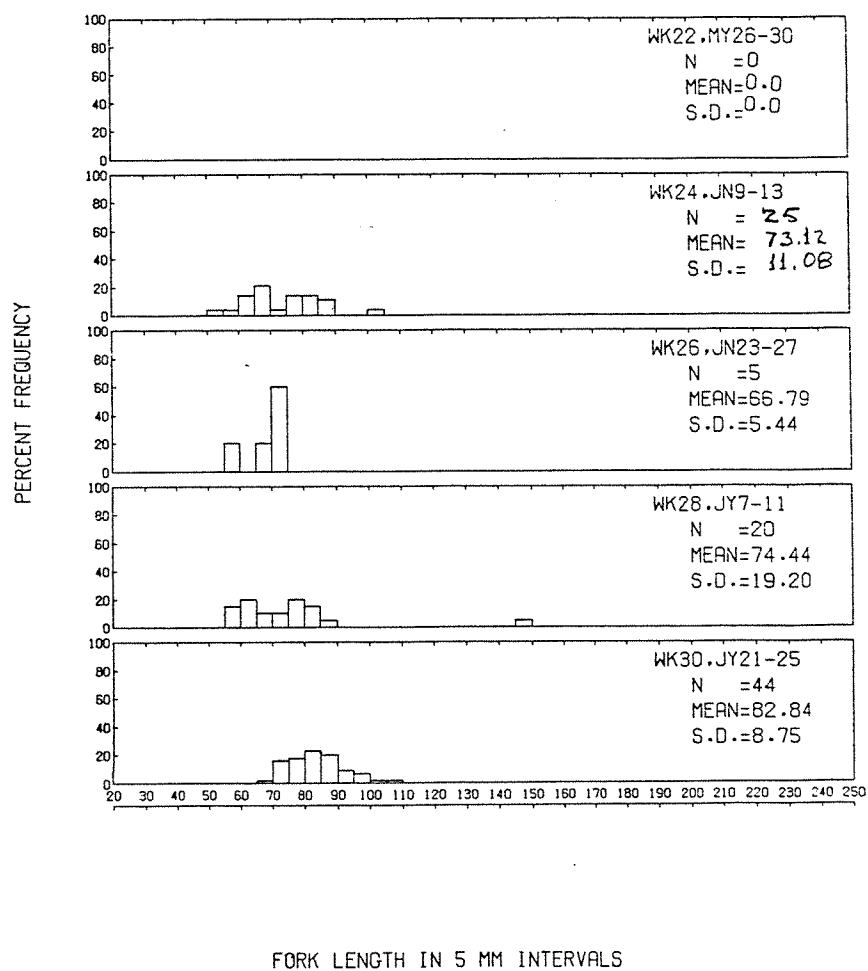


FORK LENGTH IN 5 MM INTERVALS

Appendix Fig. 3-3. Length frequency distribution of juvenile chinook salmon caught by purse seine at Grays Harbor, 1980; A) Cosmopolis, B) Cow Point, C) Moon Island, D) Stearn's Bluff, and E) Westport.

A.2

GRAYS HARBOR CHINOOK, PURSE SEINE CATCH, 1980

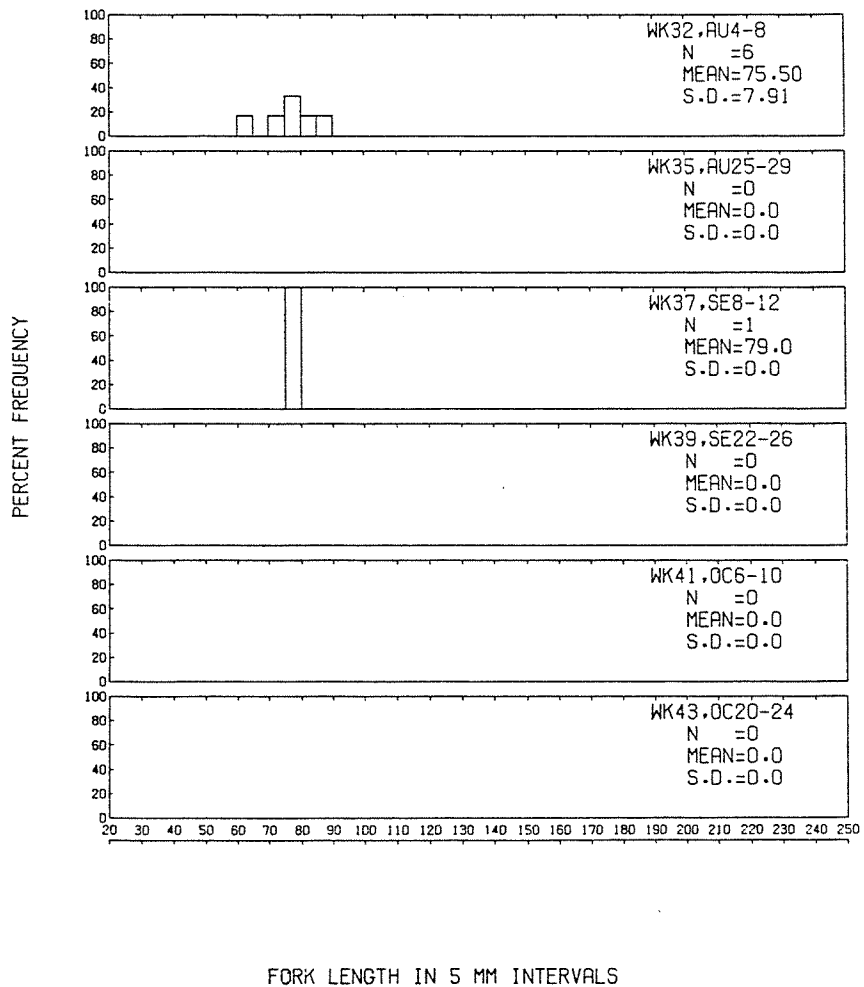
COSMOPOLIS
LENGTH FREQUENCY HISTOGRAMS

Appendix Fig. 3-3. Length frequency distribution of juvenile chinook salmon caught by purse seine at Grays Harbor, 1980; A) Cosmopolis, B) Cow Point, C) Moon Island, D) Stearn's Bluff, and E) Westport - continued.

A.3

GRAYS HARBOR CHINOOK PURSE SEINE CATCH, 1980

COSMOPOLIS
LENGTH FREQUENCY HISTOGRAMS

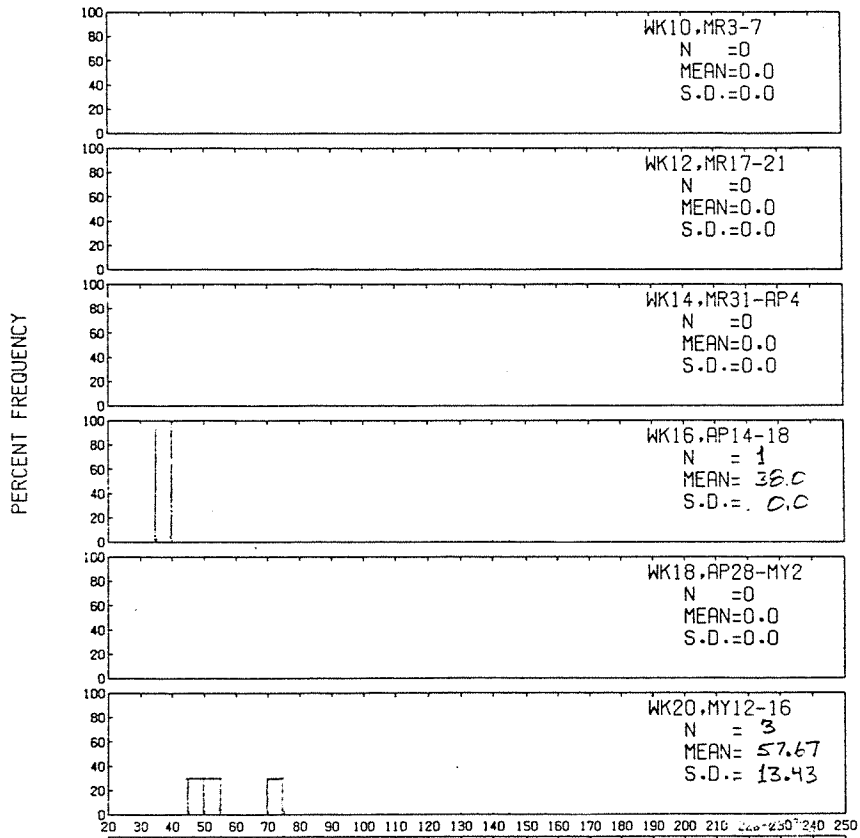


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B.1

GRAYS HARBOR CHINOOK, PURSE SEINE CATCH, 1980

COW POINT
LENGTH FREQUENCY HISTOGRAMS



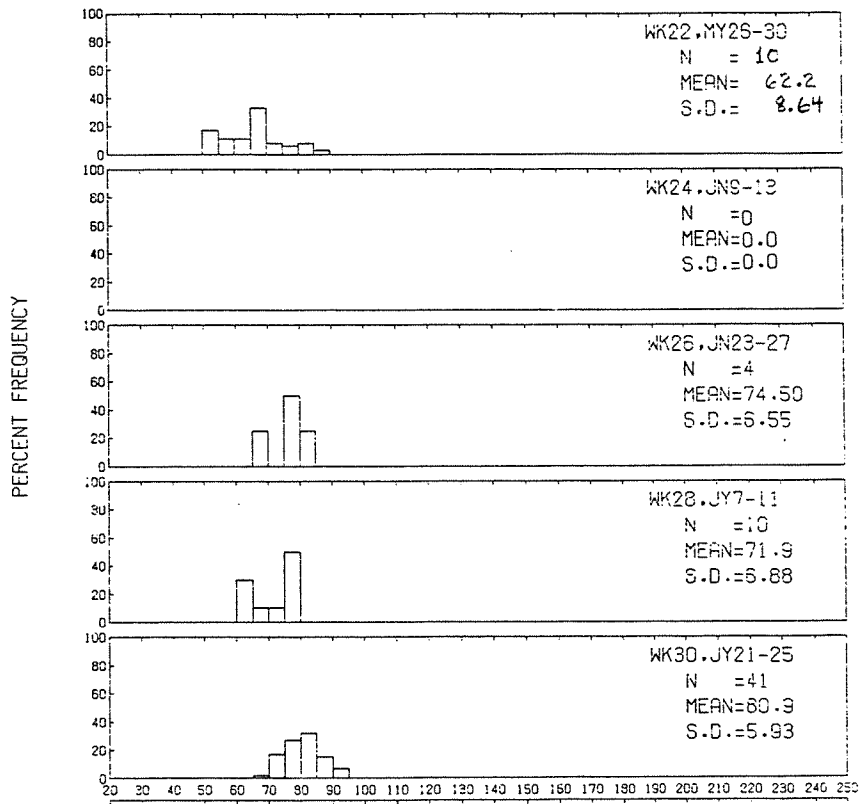
FORK LENGTH IN 5 MM INTERVALS

Appendix Fig. 3-3. Length frequency distribution of juvenile chinook salmon caught by purse seine at Grays Harbor, 1980; A) Cosmopolis, B) Cow Point, C) Moon Island, D) Stearn's Bluff, and E) Westport - continued.

B.2

GRAYS HARBOR CHINOOK PURSE SEINE CATCH, 1980

COW POINT
LENGTH FREQUENCY HISTOGRAMS



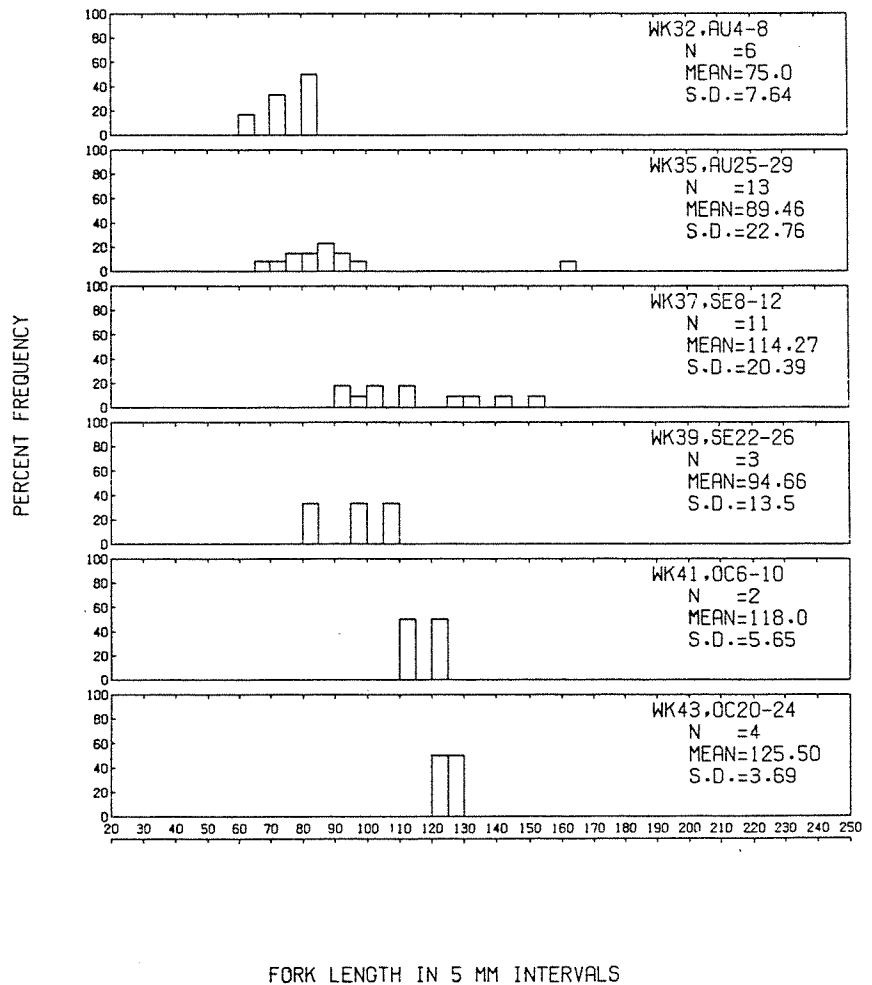
FORK LENGTH IN 5 MM INTERVALS

Appendix Fig. 3-3. Length frequency distribution of juvenile chinook salmon caught by purse seine at Grays Harbor, 1980; A) Cosmopolis, B) Cow Point, C) Moon Island, D) Stearn's Bluff, and E) Westport - continued.

B.3

GRAYS HARBOR CHINOOK, PURSE SEINE CATCH, 1980

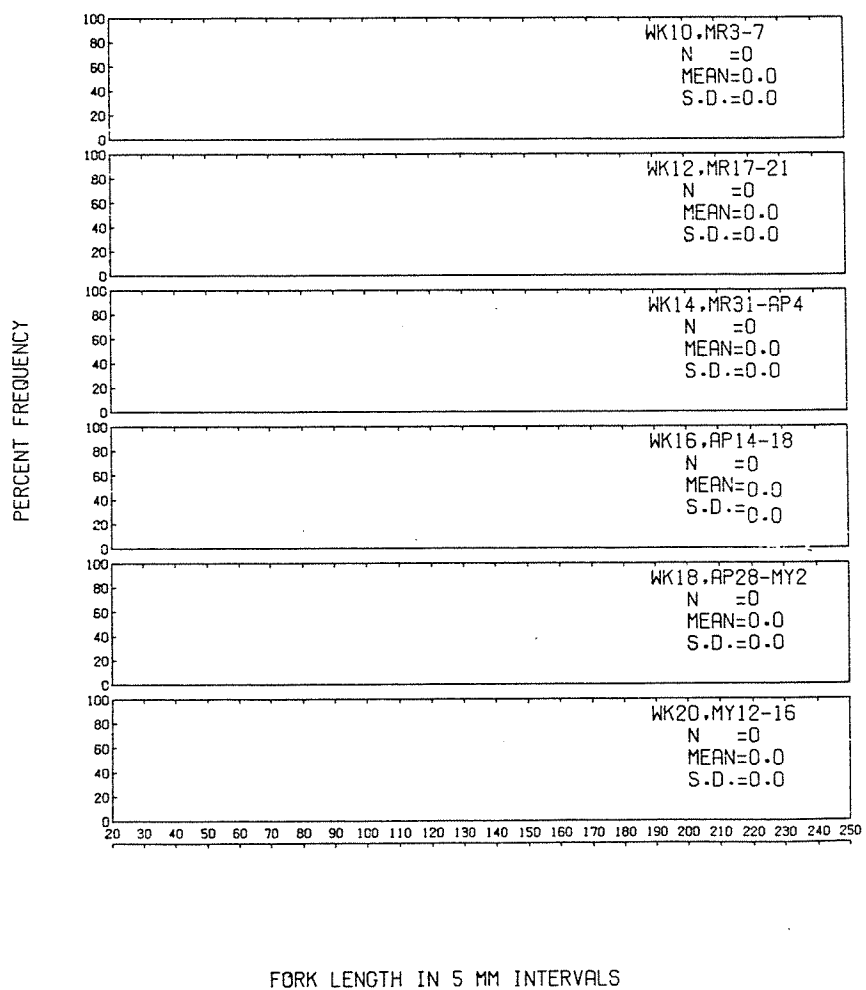
COW POINT
LENGTH FREQUENCY HISTOGRAMS



Appendix Fig. 3-3. Length frequency distribution of juvenile chinook salmon caught by purse seine at Grays Harbor, 1980; A) Cosmopolis, B) Cow Point, C) Moon Island, D) Stearn's Bluff, and E) Westport - continued.

C.1

GRAYS HARBOR CHINOOK, PURSE SEINE CATCH, 1980

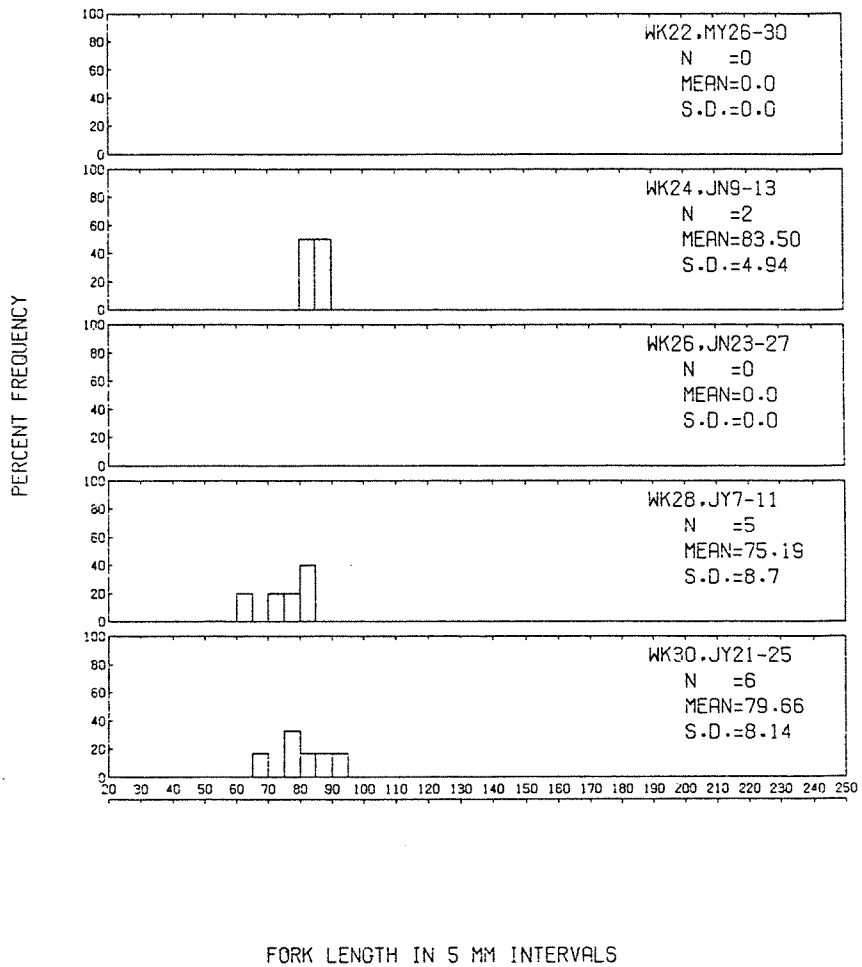
MOON ISLAND
LENGTH FREQUENCY HISTOGRAMS

Appendix Fig. 3-3. Length frequency distribution of juvenile chinook salmon caught by purse seine at Grays Harbor, 1980; A) Cosmopolis, B) Cow Point, C) Moon Island, D) Stearn's Bluff, and E) Westport - continued.

C.2

GRAYS HARBOR CHINOOK, PURSE SEINE CATCH, 1980

MOON ISLAND
LENGTH FREQUENCY HISTOGRAMS

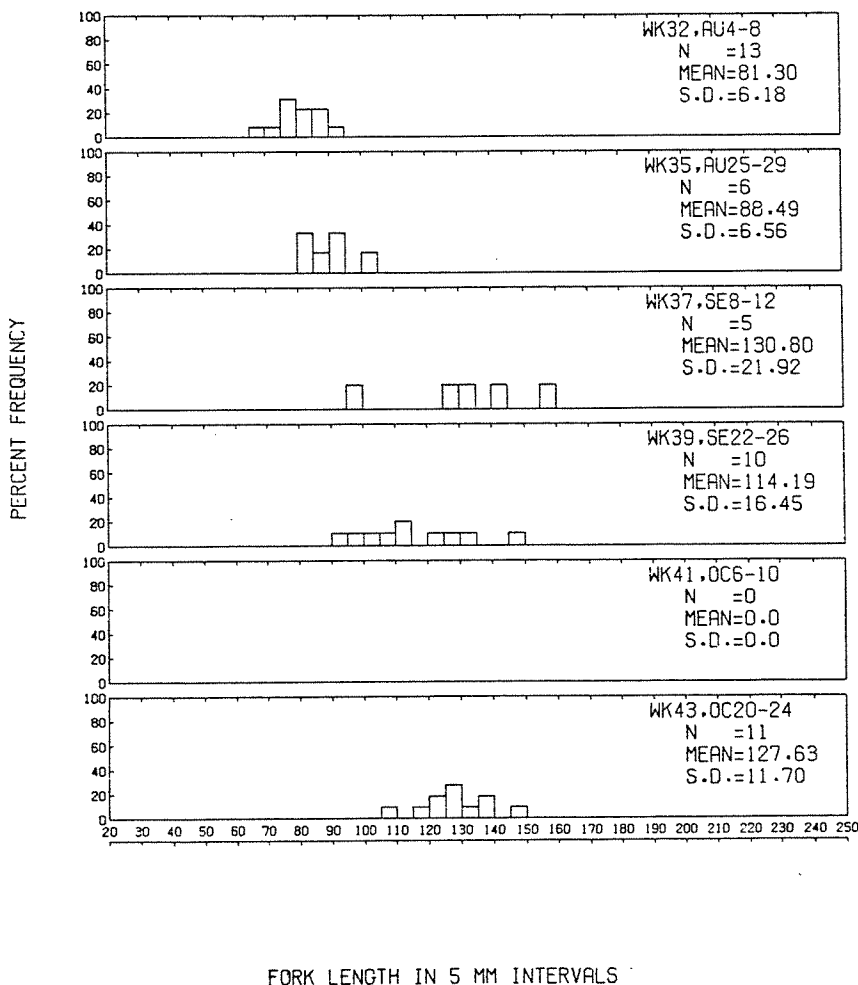


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C.3

GRAYS HARBOR CHINOOK PURSE SEINE CATCH, 1980

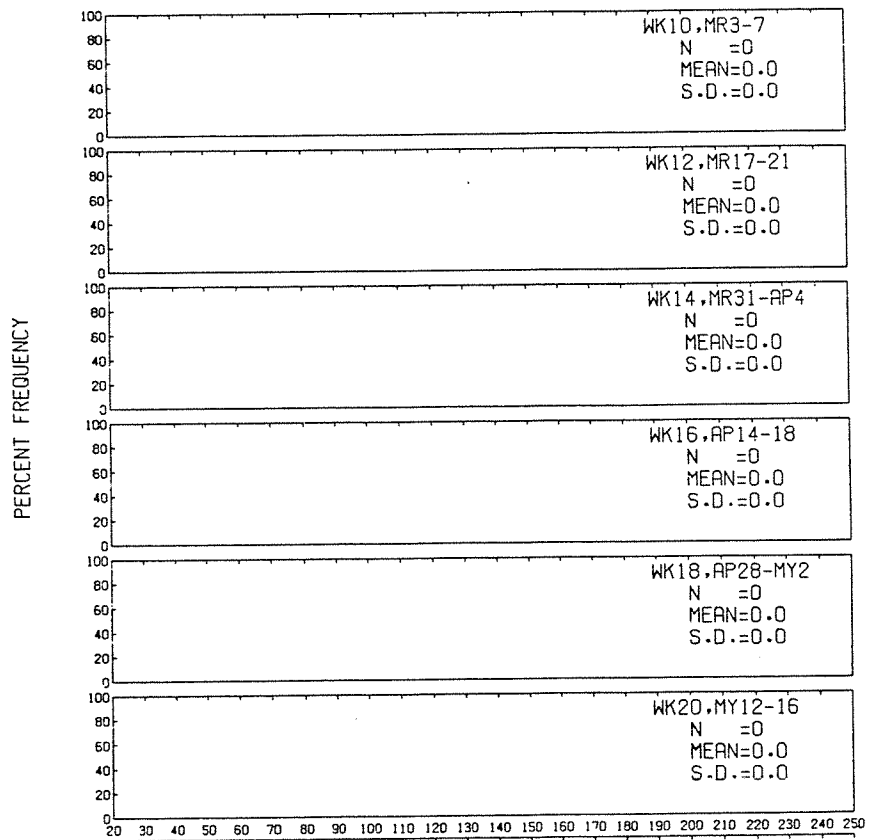
MOON ISLAND
LENGTH FREQUENCY HISTOGRAMS



Appendix Fig. 3-3. Length frequency distribution of juvenile chinook salmon caught by purse seine at Grays Harbor, 1980; A) Cosmopolis, B) Cow Point, C) Moon Island, D) Stearn's Bluff, and E) Westport - continued.

D.1

GRAYS HARBOR CHINOOK, PURSE SEINE CATCH, 1980

STEARNS BLUFF
LENGTH FREQUENCY HISTOGRAMS

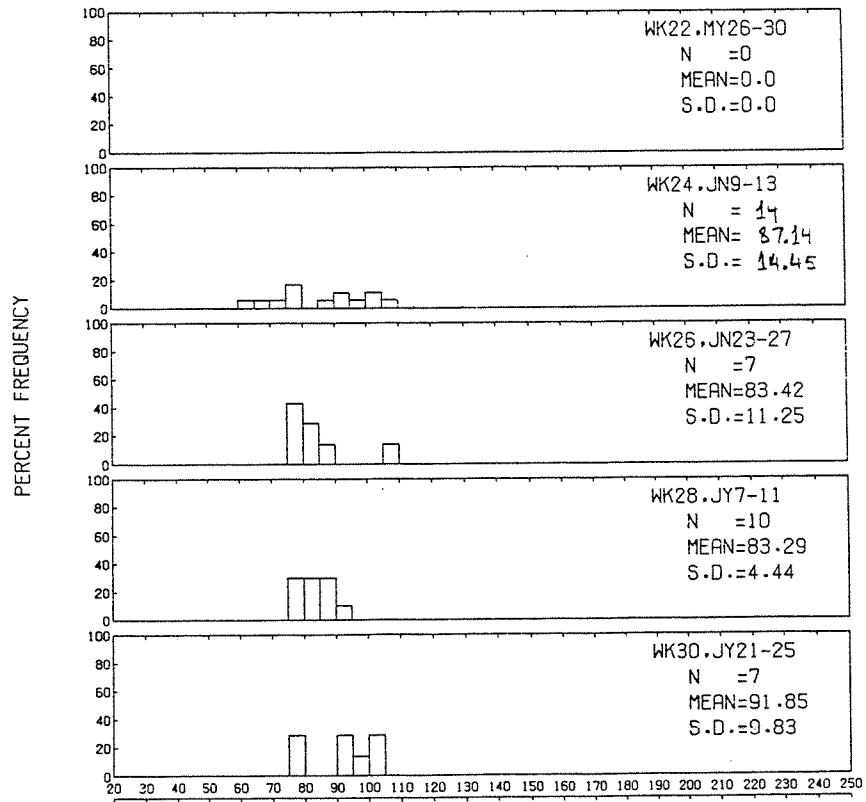
FORK LENGTH IN 5 MM INTERVALS

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D.2

GRAYS HARBOR CHINOOK, PURSE SEINE CATCH, 1980

STEARNS BLUFF
LENGTH FREQUENCY HISTOGRAMS



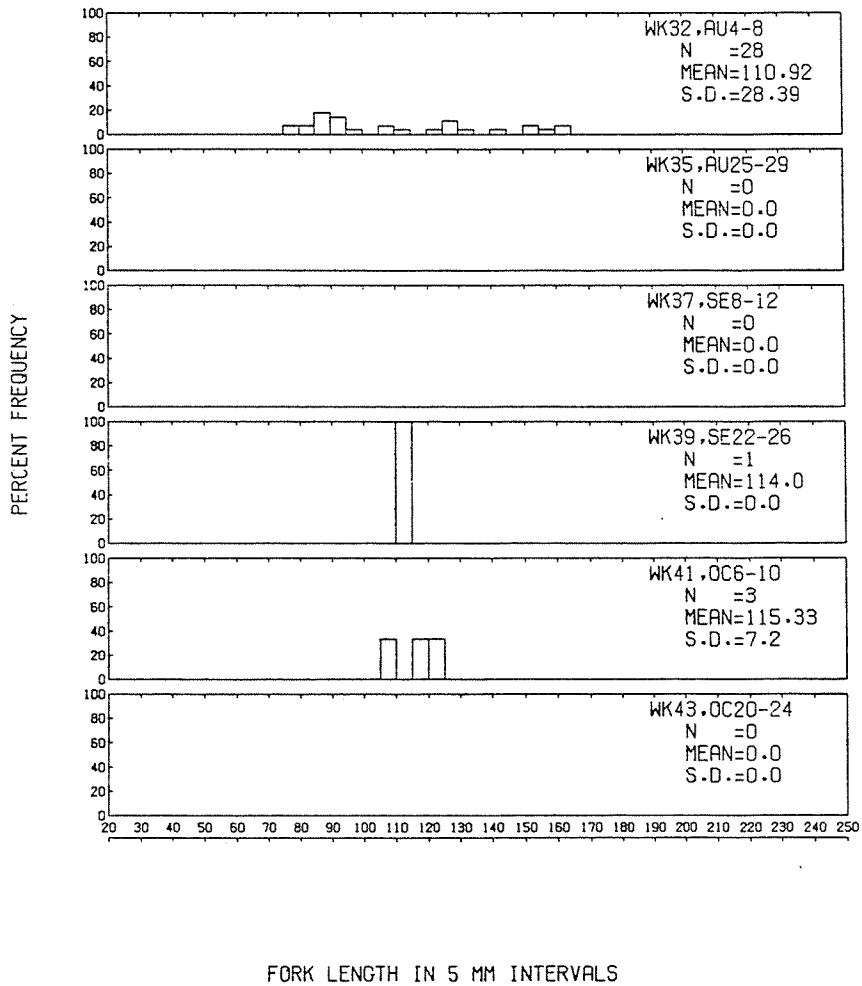
FORK LENGTH IN 5 MM INTERVALS

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D.3

GRAYS HARBOR CHINOOK, PURSE SEINE CATCH, 1980

STEARNS BLUFF
LENGTH FREQUENCY HISTOGRAMS

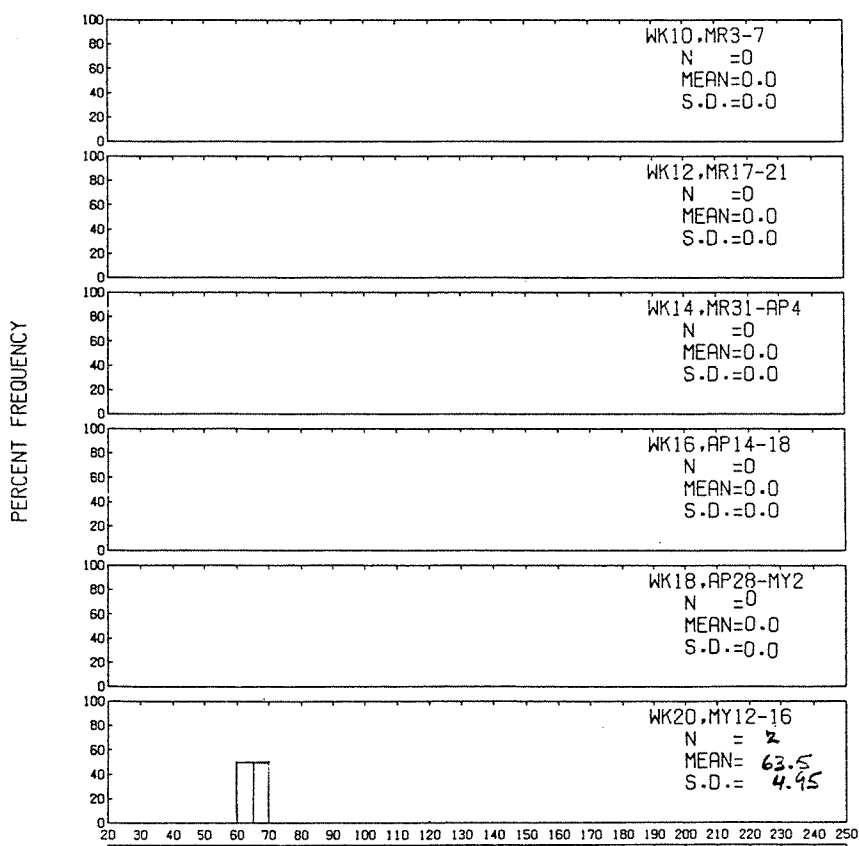


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E.1

GRAYS HARBOR CHINOOK, PURSE SEINE CATCH, 1980

WESTPORT
LENGTH FREQUENCY HISTOGRAMS



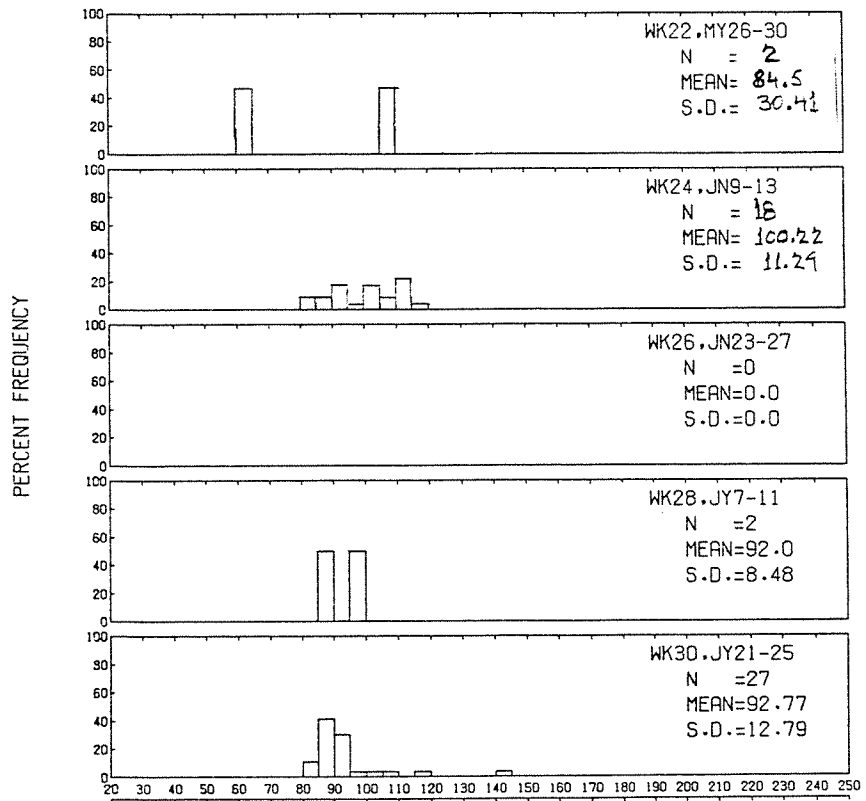
FORK LENGTH IN 5 MM INTERVALS

Appendix Fig. 3-3. Length frequency distribution of juvenile chinook salmon caught by purse seine at Grays Harbor, 1980; A) Cosmopolis, B) Cow Point, C) Moon Island, D) Stearn's Bluff, and E) Westport - continued.

E.2

GRAYS HARBOR CHINOOK, PURSE SEINE CATCH, 1980

WESTPORT
LENGTH FREQUENCY HISTOGRAMS



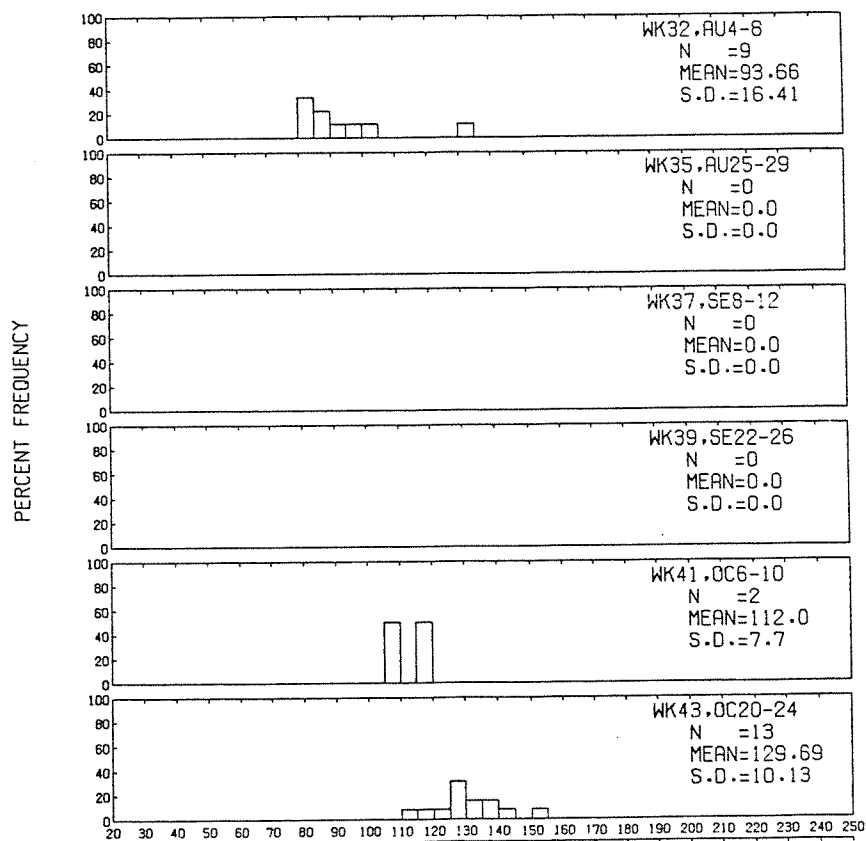
FORK LENGTH IN 5 MM INTERVALS

Appendix Fig. 3-3. Length frequency distribution of juvenile chinook salmon caught by purse seine at Grays Harbor, 1980; A) Cosmopolis, B) Cow Point, C) Moon Island, D) Stearn's Bluff, and E) Westport - continued.

E.3

GRAYS HARBOR CHINOOK PURSE SEINE CATCH, 1980

WESTPORT
LENGTH FREQUENCY HISTOGRAMS



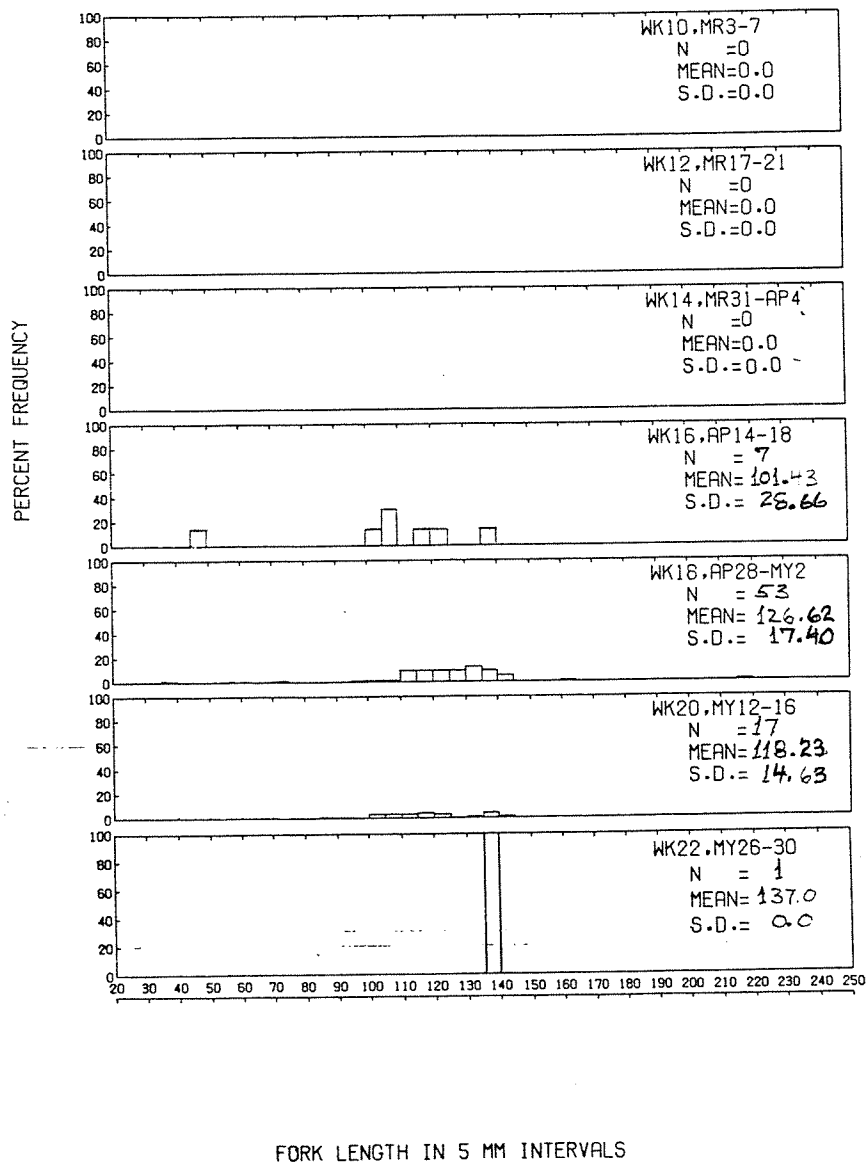
FORK LENGTH IN 5 MM INTERVALS

Appendix Fig. 3-3. Length frequency distribution of juvenile chinook salmon caught by purse seine at Grays Harbor, 1980; A) Cosmopolis, B) Cow Point, C) Moon Island, D) Stearn's Bluff, and E) Westport - continued.

A.

GRAYS HARBOR COHO BEACH SEINE CATCH, 1980

COW POINT
LENGTH FREQUENCY HISTOGRAMS

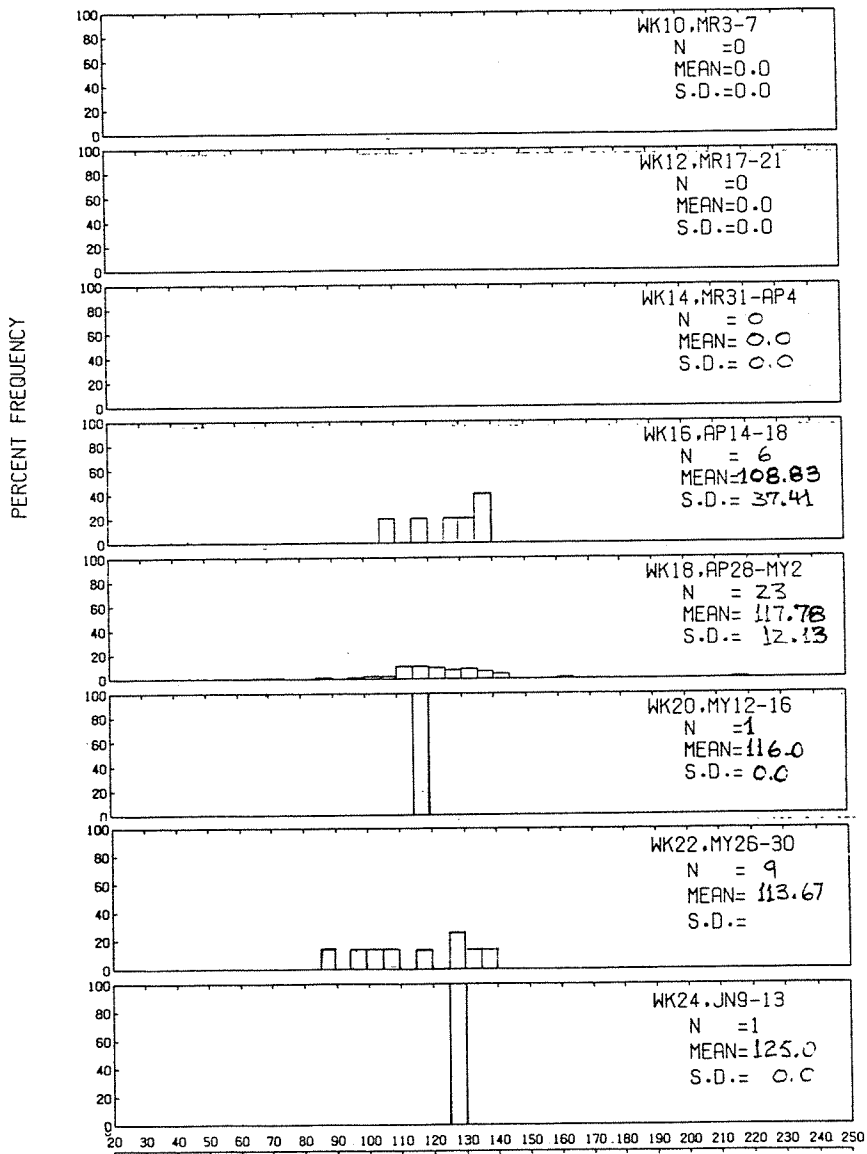


Appendix Fig. 3-4. Length frequency distributions of juvenile coho salmon caught by beach seine at Grays Harbor, 1980; A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport.

B.

GRAYS HARBOR COHO BEACH SEINE CATCH.1980

MOON ISLAND
LENGTH FREQUENCY HISTOGRAMS



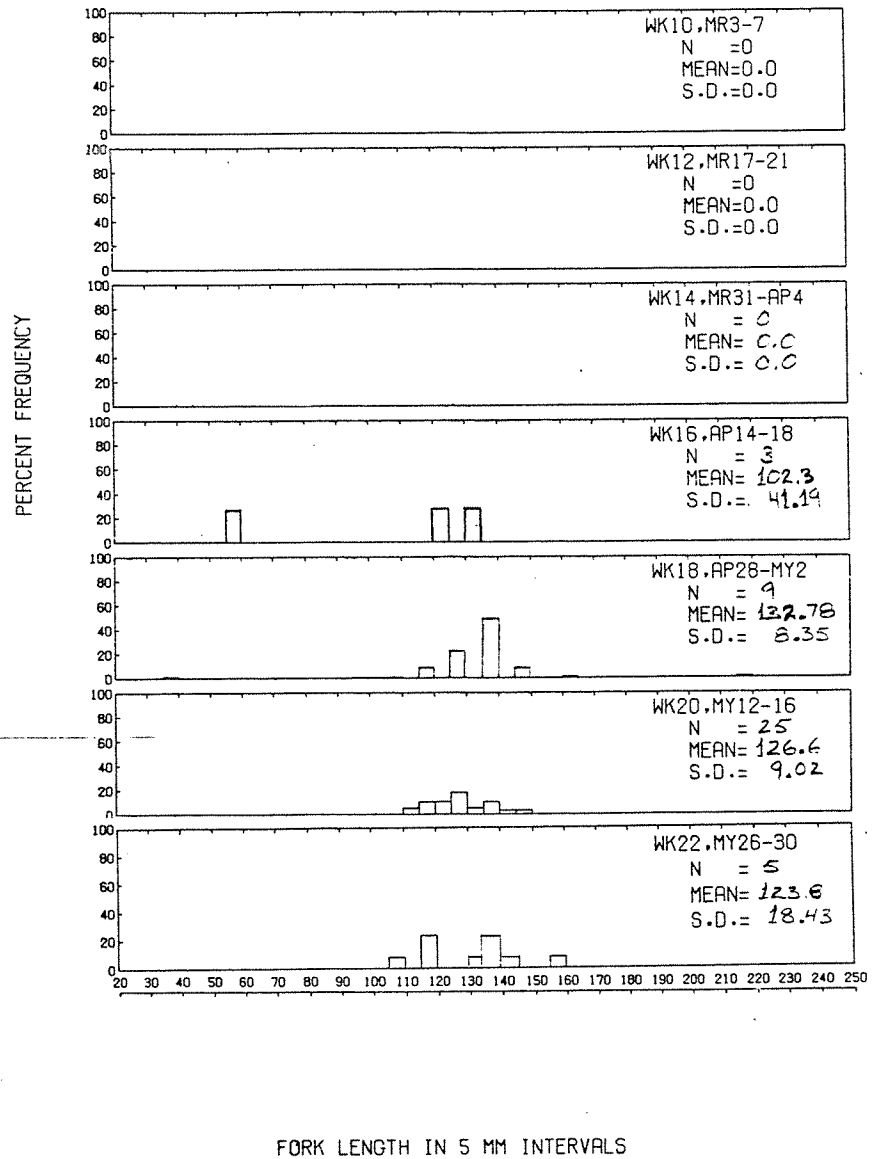
FORK LENGTH IN 5 MM INTERVALS

Appendix Fig. 3-4. Length frequency distributions of juvenile coho salmon caught by beach seine at Grays Harbor, 1980; A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

C.

GRAYS HARBOR COHO BEACH SEINE CATCH, 1980

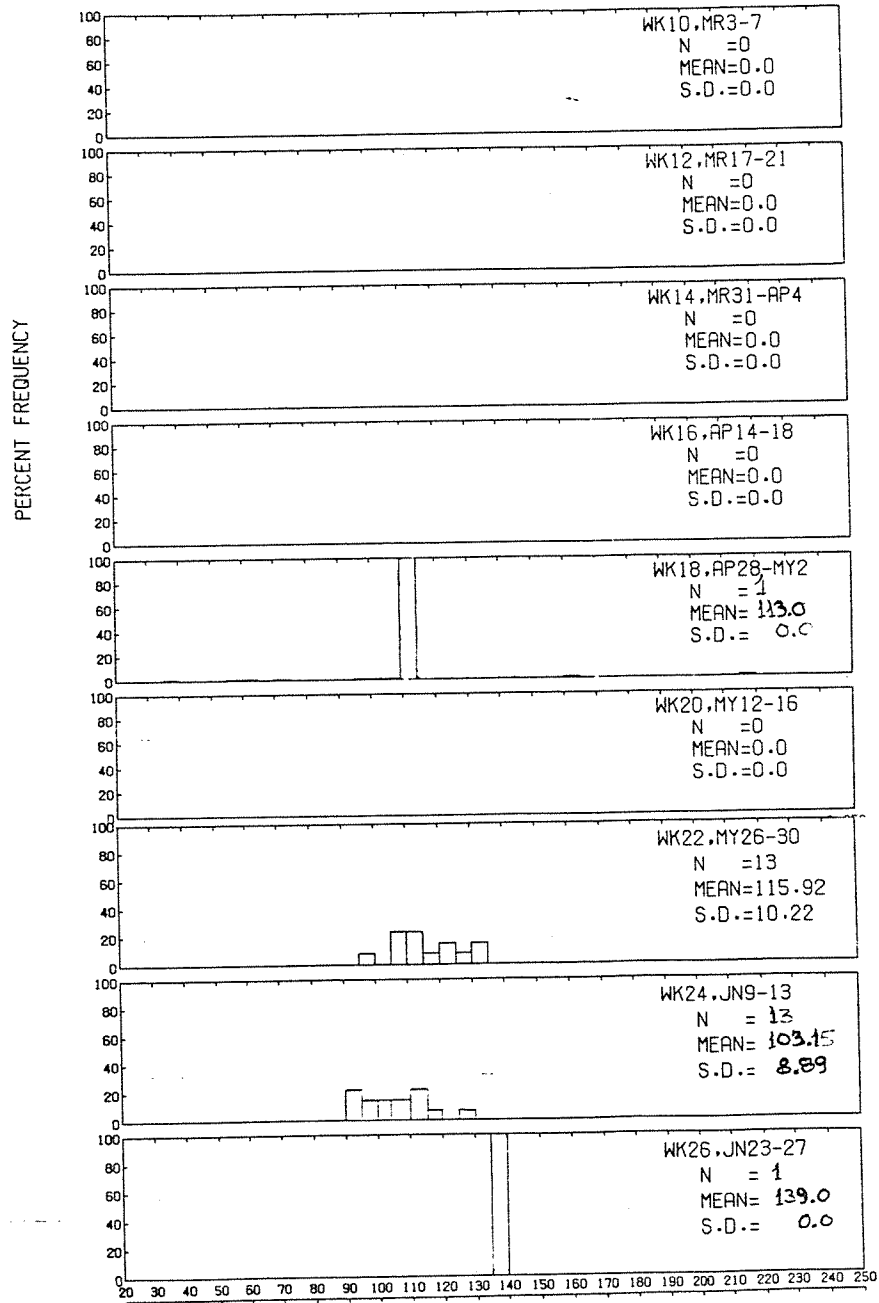
STEARNS BLUFF
LENGTH FREQUENCY HISTOGRAMS



Appendix Fig. 3-4. Length frequency distributions of juvenile coho salmon caught by beach seine at Grays Harbor, 1980; A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

GRAYS HARBOR COHO BEACH SEINE CATCH, 1980

WESTPORT
LENGTH FREQUENCY HISTOGRAMS



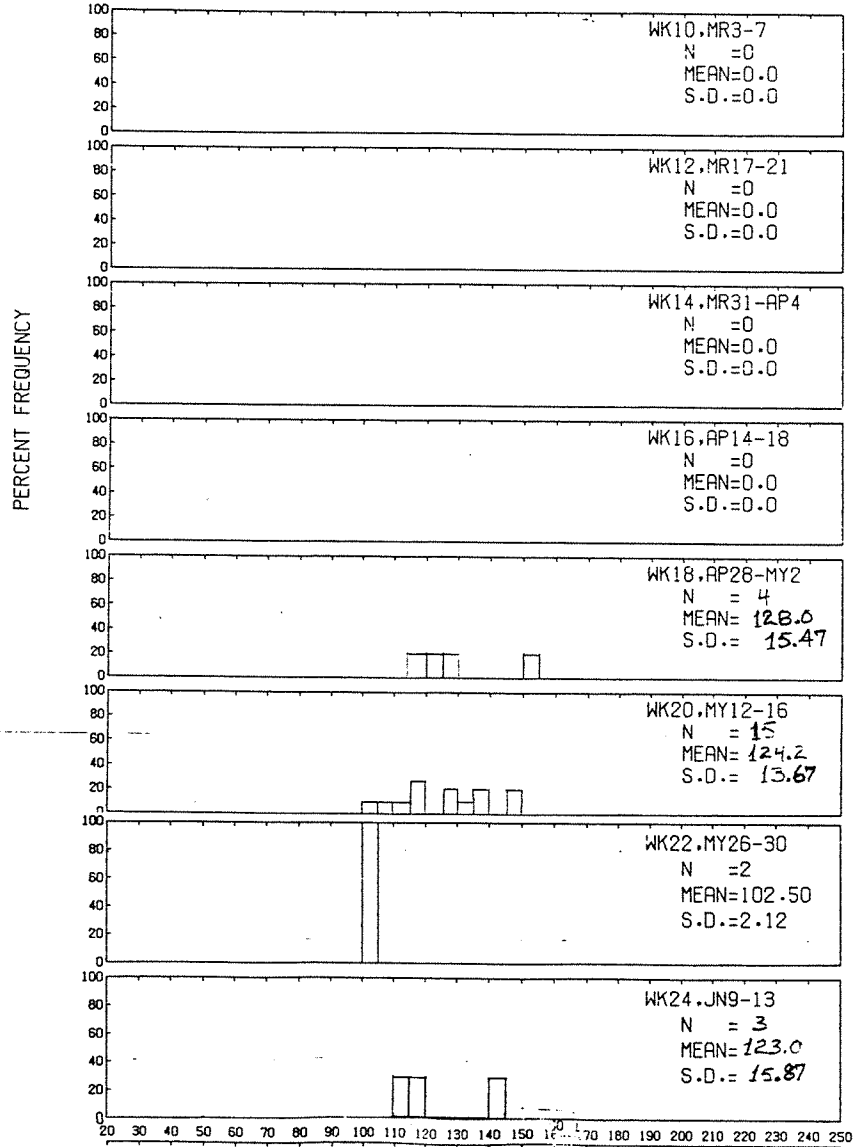
FORK LENGTH IN 5 MM INTERVALS

Appendix Fig. 3-4. Length frequency distributions of juvenile coho salmon caught by beach seine at Grays Harbor, 1980; A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

A.

GRAYS HARBOR CGHD .PURSE SEINE CATCH,1980

COSMOPOLIS
LENGTH FREQUENCY HISTOGRAMS



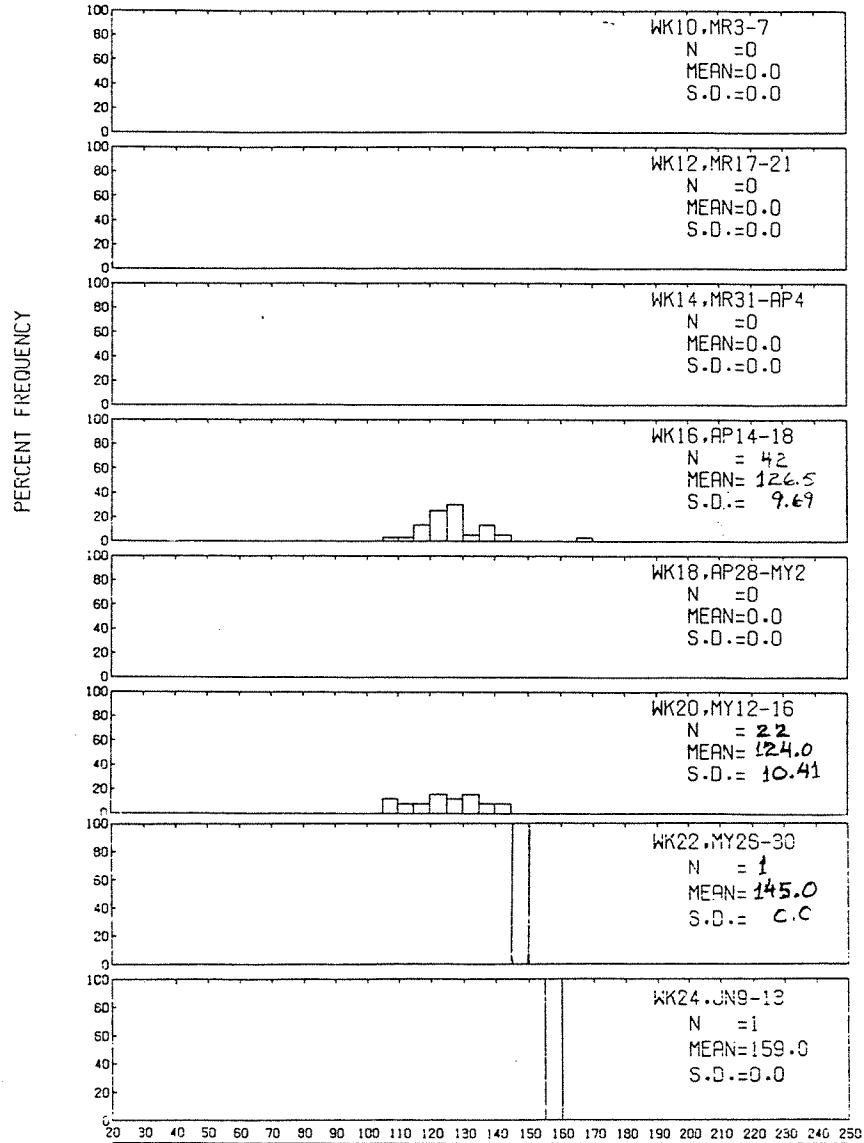
FORK LENGTH IN 5 MM INTERVALS

Appendix Fig. 3-5. Length frequency distributions of juvenile coho salmon caught by purse seine at Grays Harbor, 1980; A) Cosmopolis, B) Cow Point, C) Moon Island, D) Stearn's Bluff, and E) Westport.

B.

GRAYS HARBOR COHO PURSE SEINE CATCH, 1980

COW POINT
LENGTH FREQUENCY HISTOGRAMS



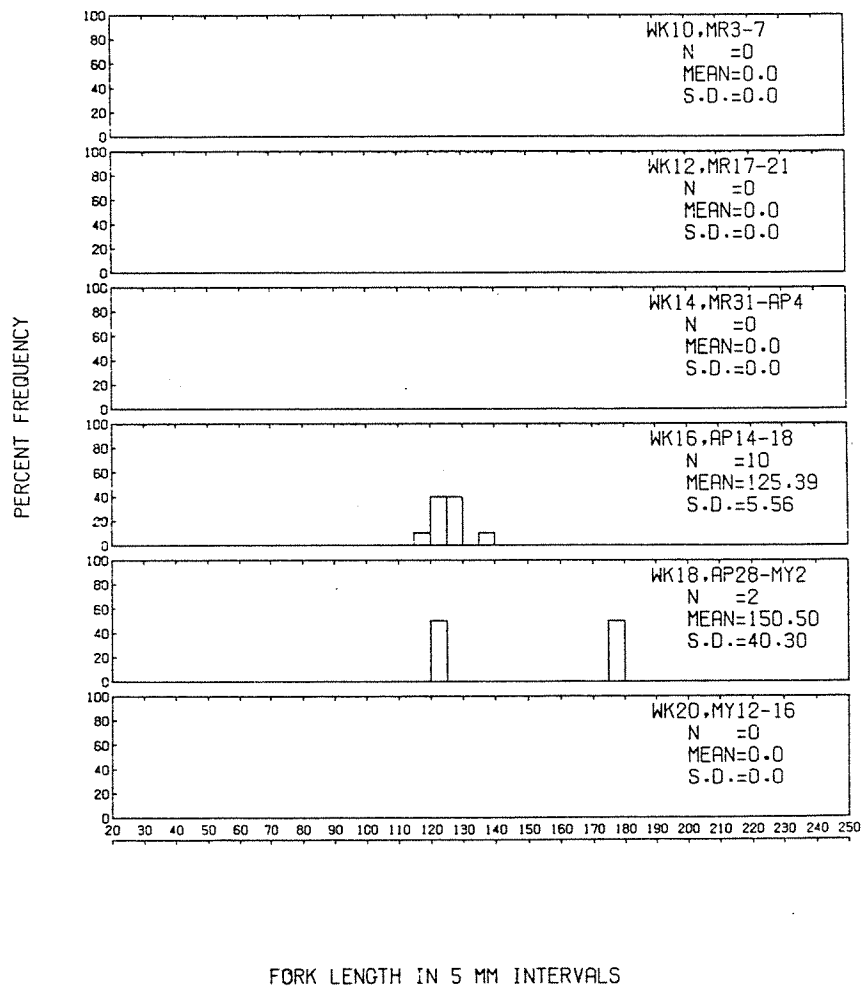
FORK LENGTH IN 5 MM INTERVALS

Appendix Fig. 3-5. Length frequency distributions of juvenile coho salmon caught by purse seine at Grays Harbor, 1980; A) Cosmopolis, B) Cow Point, C) Moon Island, D) Stearn's Bluff, and E) Westport - continued.

C.

GRAYS HARBOR COHO .PURSE SEINE CATCH.1980

MOON ISLAND
LENGTH FREQUENCY HISTOGRAMS

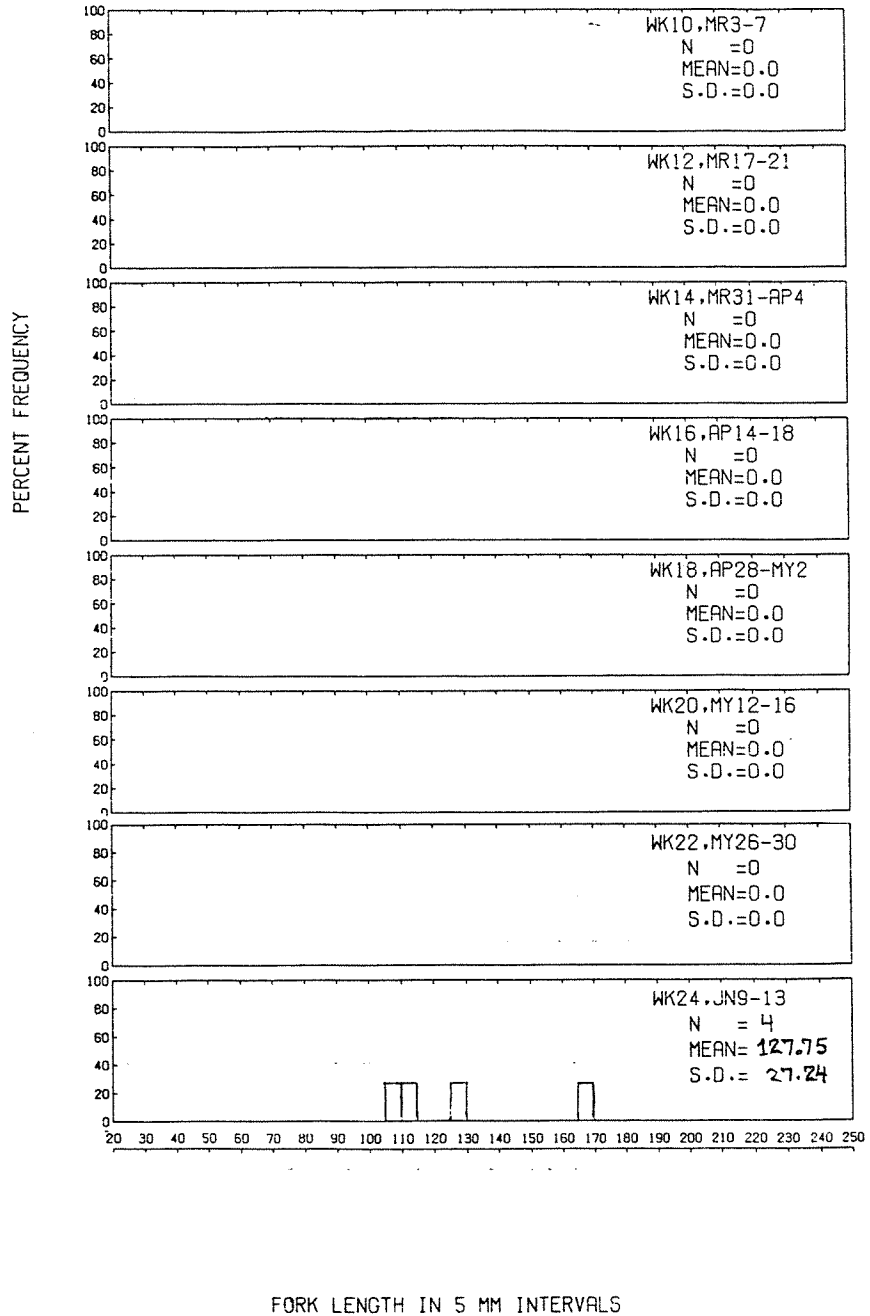


Appendix Fig. 3-5. Length frequency distributions of juvenile coho salmon caught by purse seine at Grays Harbor, 1980; A) Cosmopolis, B) Cow Point, C) Moon Island, D) Stearn's Bluff, and E) Westport - continued.

D.

GRAYS HARBOR COHO PURSE SEINE CATCH, 1980

STEARNS BLUFF
LENGTH FREQUENCY HISTOGRAMS

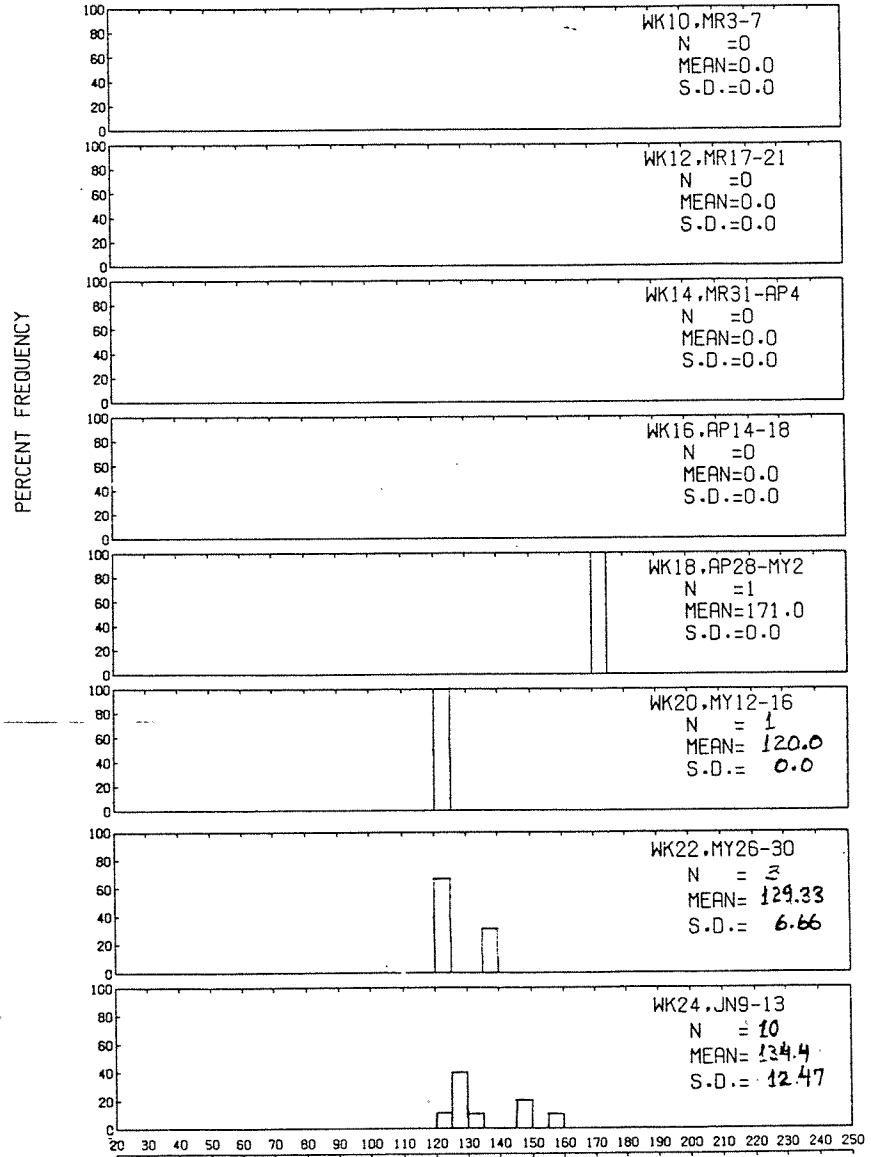


Appendix Fig. 3-5. Length frequency distributions of juvenile coho salmon caught by purse seine at Grays Harbor, 1980; A) Cosmopolis, B) Cow Point, C) Moon Island, D) Stearn's Bluff, and E) Westport - continued.

E.

GRAYS HARBOR COHO PURSE SEINE CATCH, 1980

WESTPORT
LENGTH FREQUENCY HISTOGRAMS



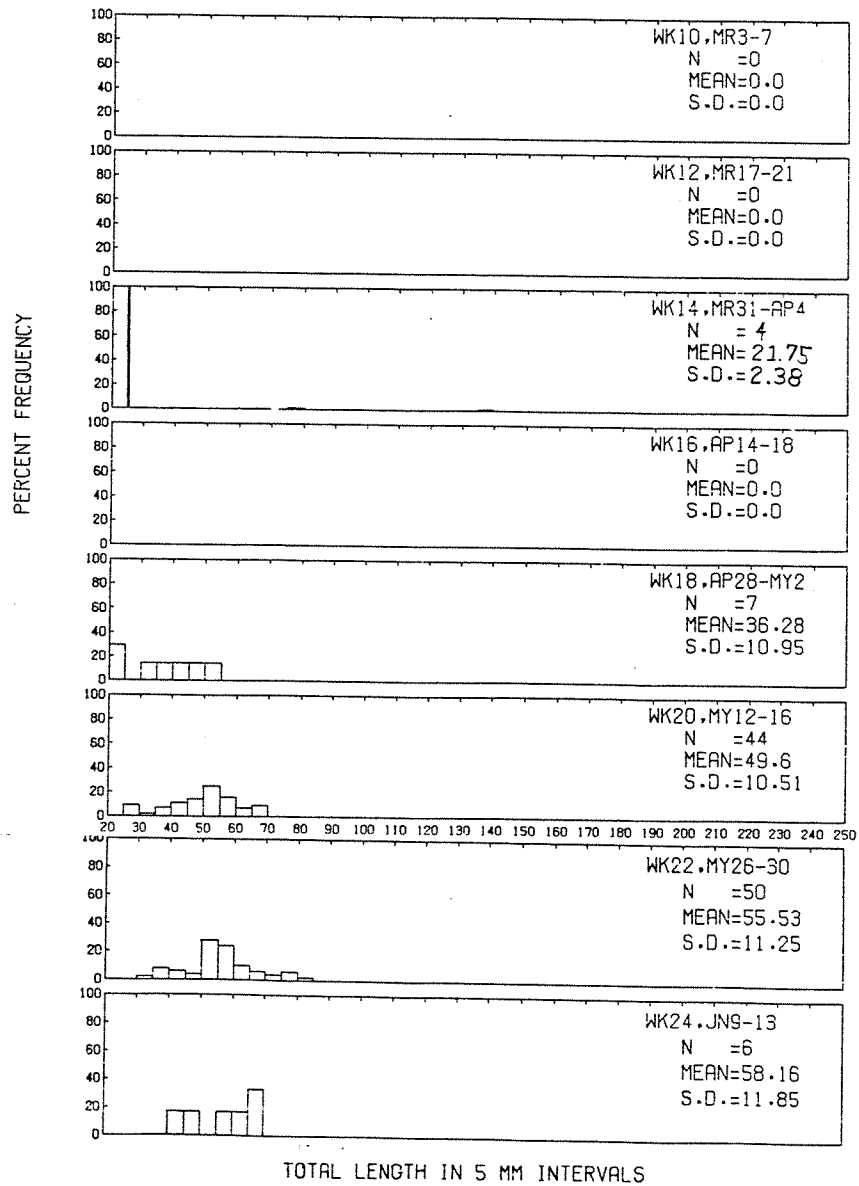
Appendix Fig. 3-5. Length frequency distributions of juvenile coho salmon caught by purse seine at Grays Harbor, 1980; A) Cosmopolis, B) Cow Point, C) Moon Island, D) Stearn's Bluff, and E) Westport - continued.

APPENDIX FIGURE 4-1

Length Frequency Distribution of Juvenile English Sole

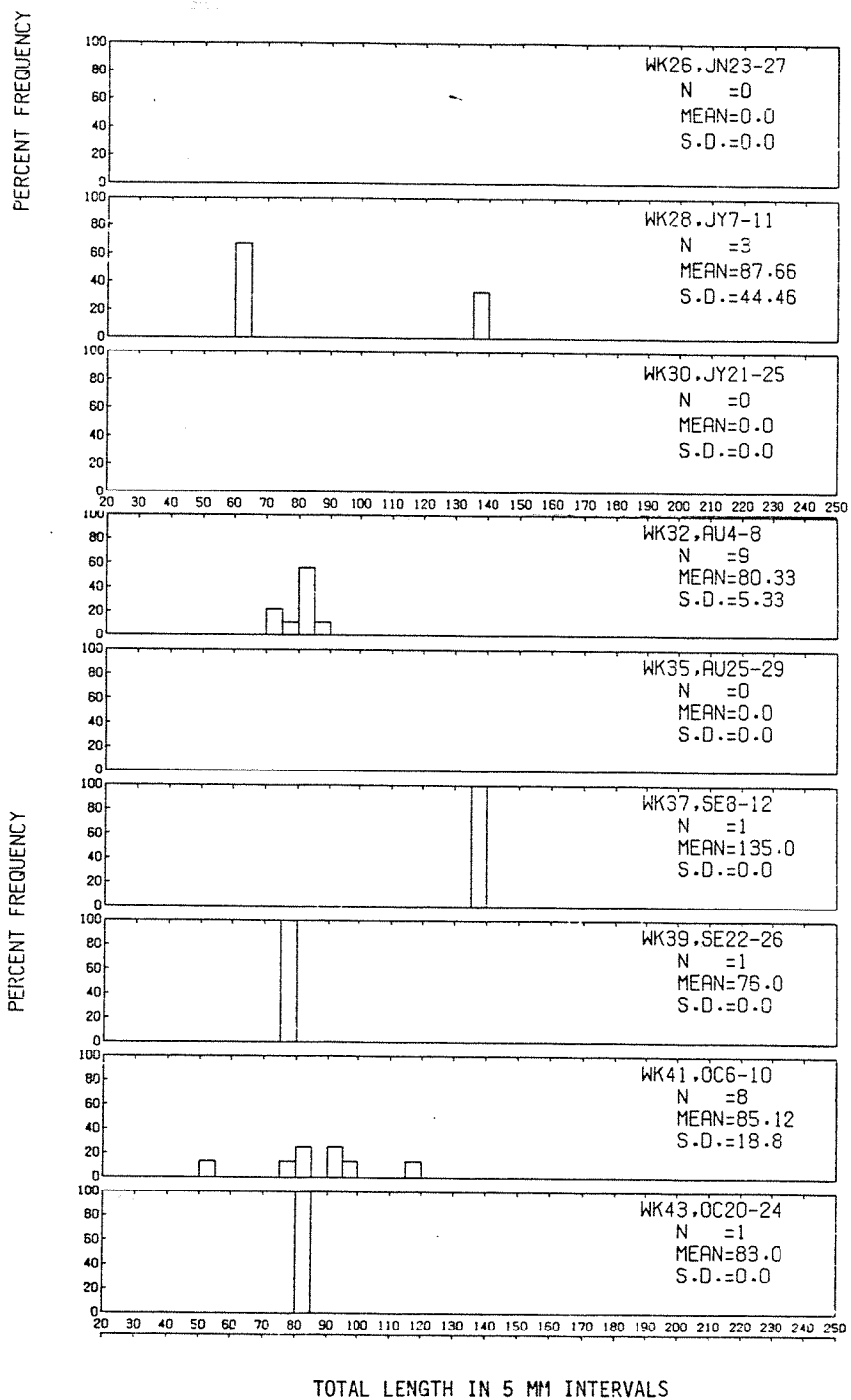
A.1

GRAYS HARBOR ENGLISH SOLE, BEACH SEINE CATCH, 1980

COW POINT
LENGTH FREQUENCY HISTOGRAMS

Appendix Fig. 4-1. Length frequency distributions of young-of-the-year English sole caught by beach seine at Grays Harbor, 1980: A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport.

A.2

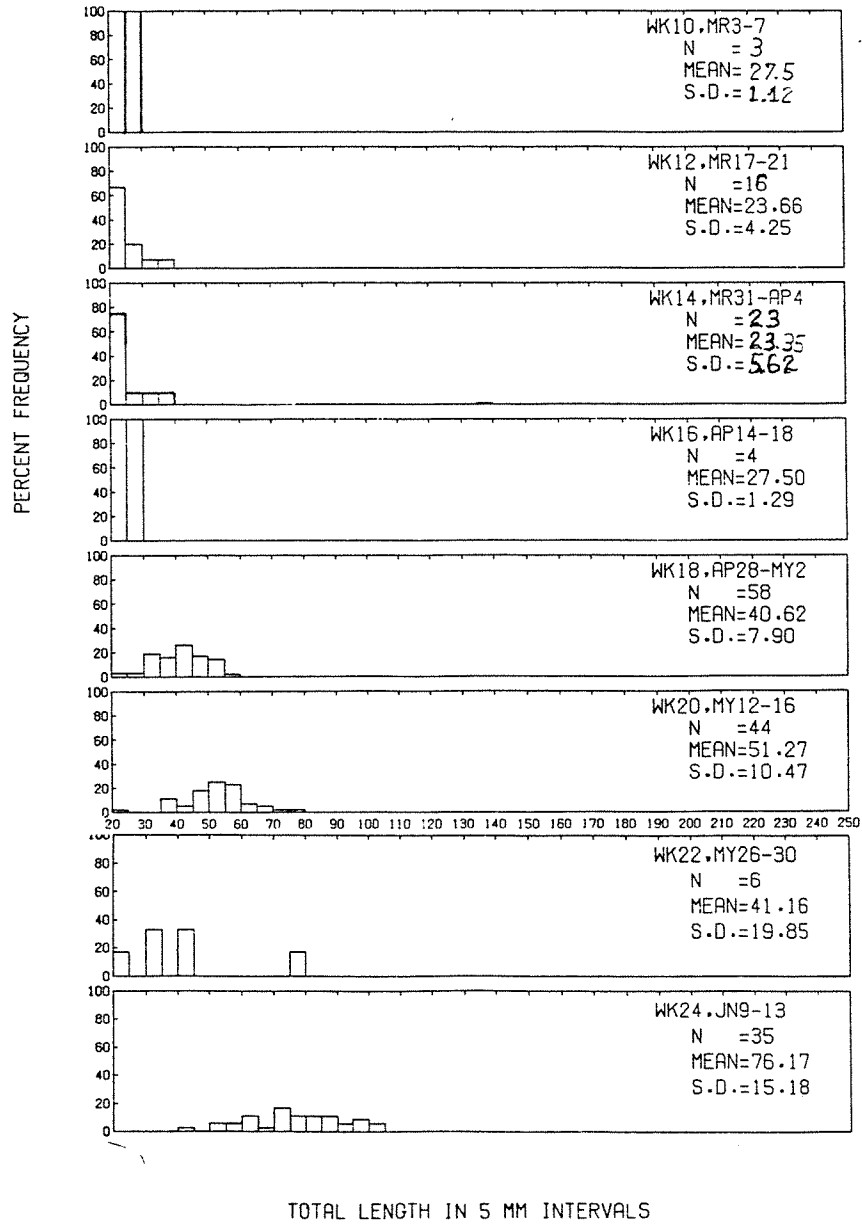


Appendix Fig. 4-1. Length frequency distributions of young-of-the-year English sole caught by beach seine at Grays Harbor, 1980: A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

B.1

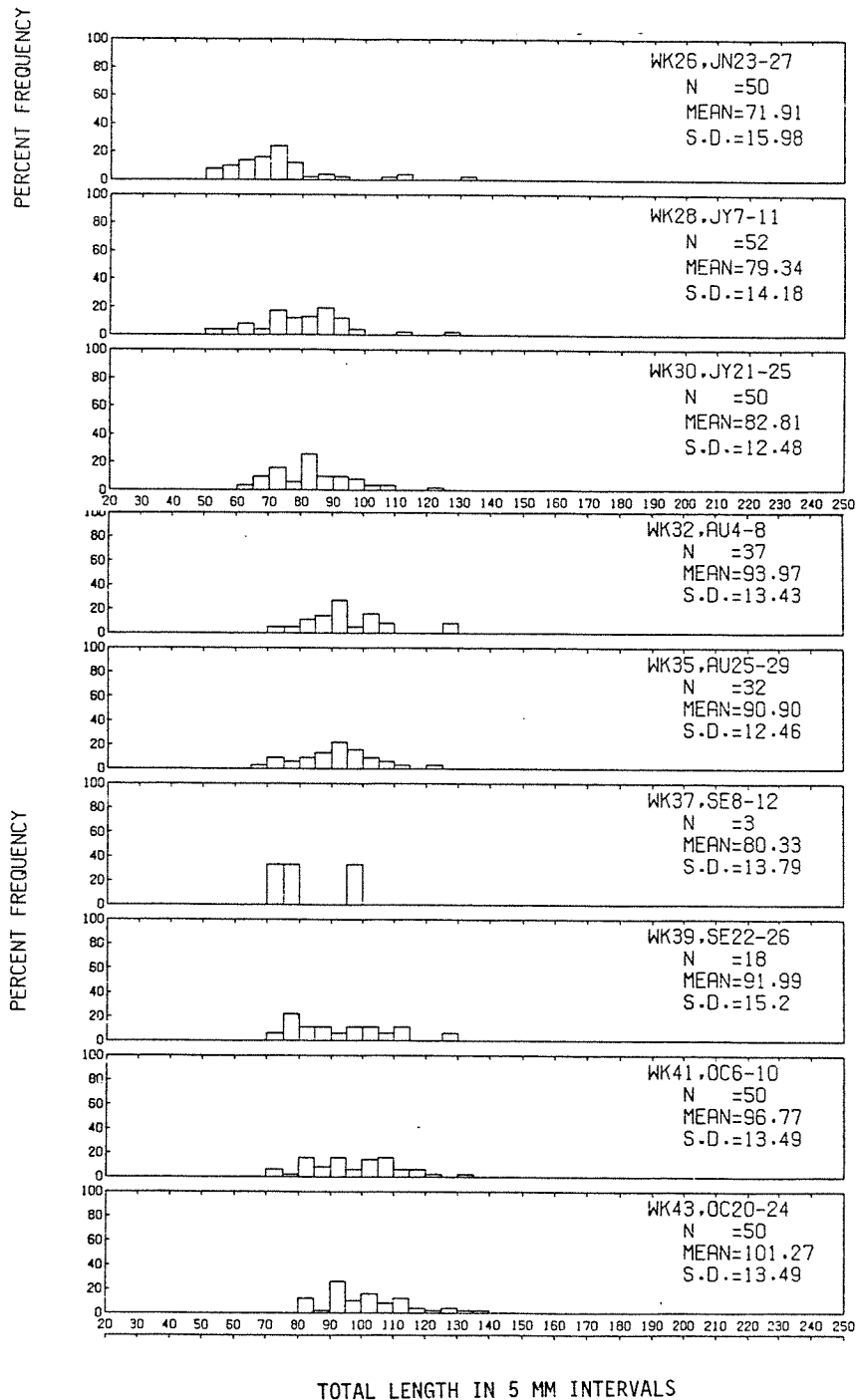
GRAYS HARBOR ENGLISH SOLE, BEACH SEINE CATCH, 1980

MOON ISLAND
LENGTH FREQUENCY HISTOGRAMS



Appendix Fig. 4-1. Length frequency distributions of young-of-the-year English sole caught by beach seine at Grays Harbor, 1980: A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

B.2

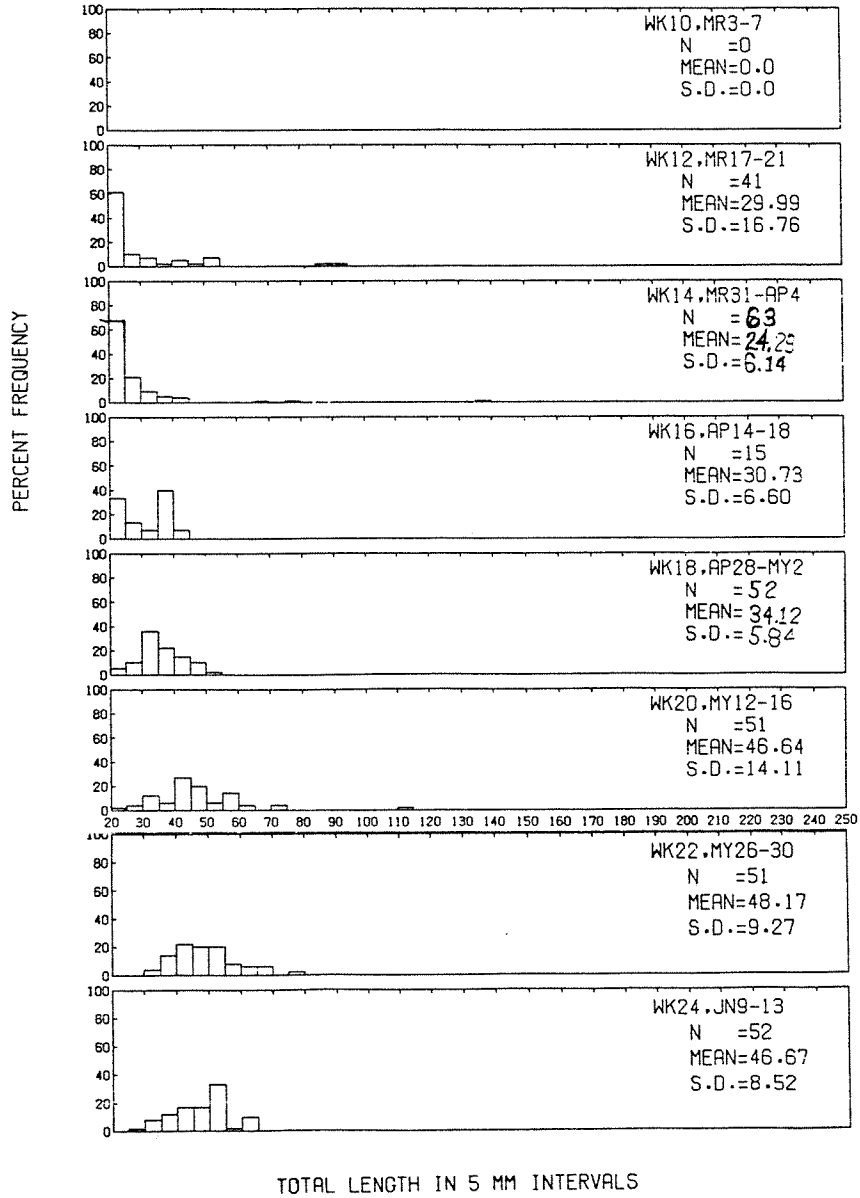


Appendix Fig. 4-1. Length frequency distributions of young-of-the-year English sole caught by beach seine at Grays Harbor, 1980: A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

C.1

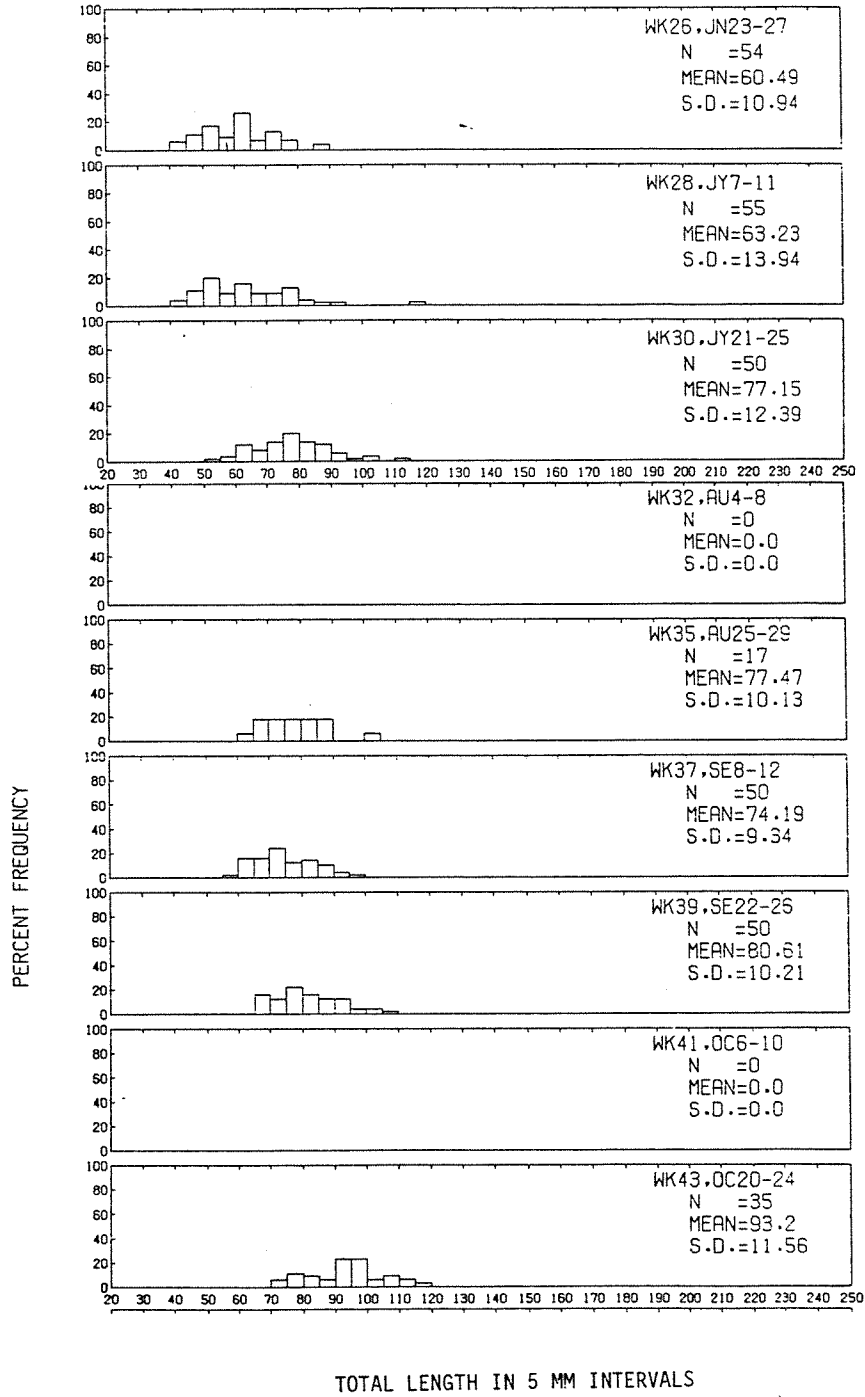
GRAYS HARBOR ENGLISH SOLE, BEACH SEINE CATCH, 1980

STEARNS BLUFF
LENGTH FREQUENCY HISTOGRAMS



Appendix Fig. 4-1. Length frequency distributions of young of-the-year English sole caught by beach seine at Grays Harbor, 1980: A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

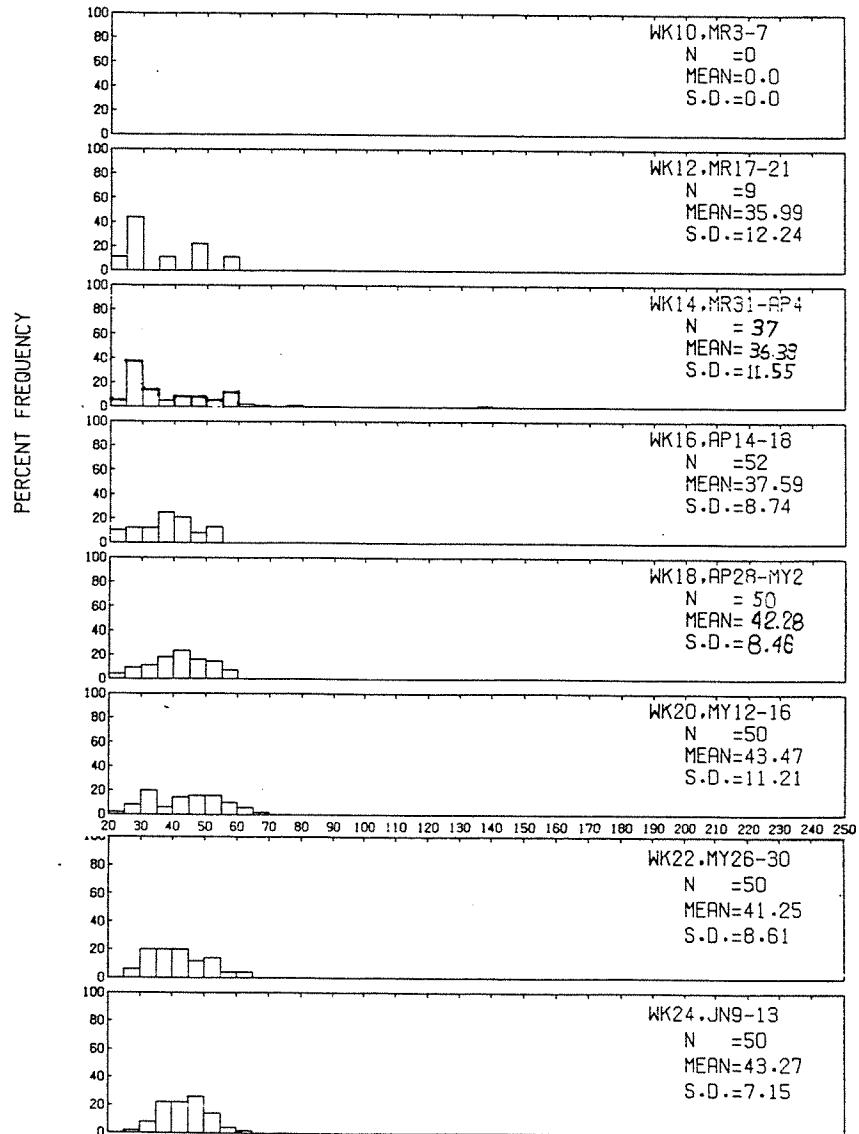
C.2



Appendix Fig. 4-1. Length frequency distributions of young of-the-year English sole caught by beach seine at Grays Harbor, 1980: A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

D.1

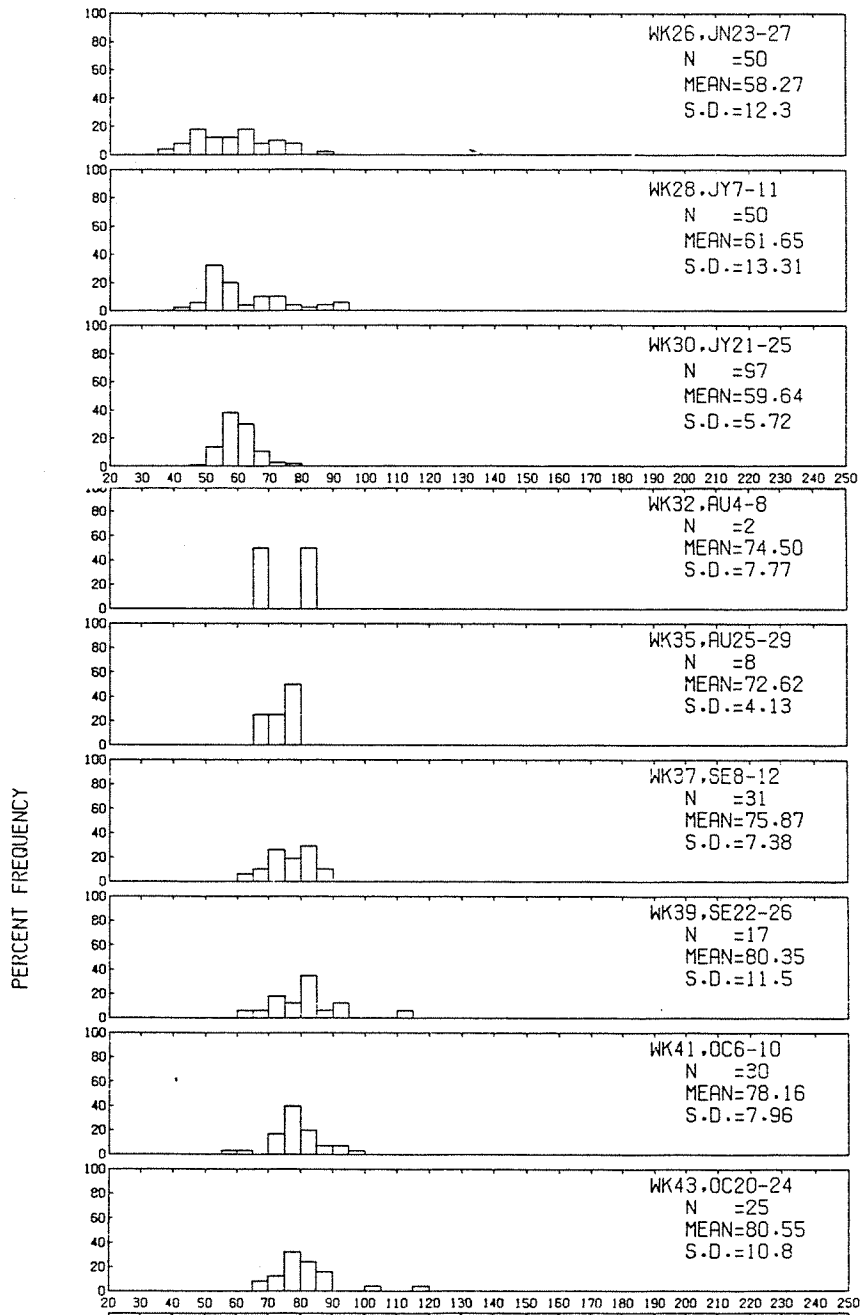
GRAYS HARBOR ENGLISH SOLE, BEACH SEINE CATCH, 1980

WESTPORT
LENGTH FREQUENCY HISTOGRAMS

TOTAL LENGTH IN 5 MM INTERVALS

Appendix Fig. 4-1. Length frequency distributions of young of-the-year English sole caught by beach seine at Grays Harbor, 1980: A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

D.2



Appendix Fig. 4-1. Length frequency distributions of young-of-the-year English sole caught by beach seine at Grays Harbor, 1980: A) Cow Point, B) Moon Island, C) Stearn's Bluff, and D) Westport - continued.

APPENDIX TABLES 6-1 TO 6-6

Neritic Zooplankton

Appendix 6-1. Neritic Zooplankton
Analysis Tables for:

SAND ISLAND
March 20 - October 7, 1980

LIFE HISTORY STAGE CODES

0 - Unstaged	I - Protozoa
1 - Egg	J - Juvenile
2 - Nauplius	K - Medusa
3 - Zoea	L - Egg-bearing female
4 - Megalops	M - Egg case
5 - Veliger	P - Unidentified (part)
6 - Larva	Q - Immature
7 - Juvenile	R - Subadult
8 - Adult	S - Trochophore
9 - Larva + Juv. + Adult	T - Subadult + Juv.
A - Juv. + Adult	U - Mating pair
B - Larva + Juv.	V - Mysis
C - Juv. or Adult	W - Colony
D - Polyp	X - Cyphonautes
E - Cypris	Y - Glaucothoe
F - Copepodid	+ - Egg
G - Pupa	* - All non-egg stages pooled
H - Nymph	

NERITIC PLANKTON ANALYSIS

* SITE SUMMARY *

IDENTIFICATION 80MR20
STATION 13001 - SAND ISLAND
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	11.20	11.20-	0	0
TOTAL WET WEIGHT (PER M**3)	.002	11.20 .001-	.001	.312
TOTAL ABUNDANCE (PER M**3)	2.23	.002 1.46-	.38	.17
SAMPLE WET WEIGHT (PER M**3)	.002	2.50 .001-	.001	.497
SAMPLE DRY WEIGHT (PER M**3)	0	.002 0-	0	0

ORGANISM NAME	PARTS CODE	* NUMBERS/M**3 *				* WET WEIGHT, GRAMS/M**3 *				* AVE. BIOMASS *		* PERCENTAGES *		
		LH-STAGE	* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- * DANCE	BIC- PASS
AMPHARETIDAE	C		.1	.0	.1 -	.1	.000	.000	NEG.-	.00	.00001	0	2.00	.26
**NAME NOT FOUND (5009000000)	C		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.00005	0	4.00	2.60
BIVALVIA	C		.1	.0	.1 -	.1	.000	.000	NEG.-	.00	.00001	0	2.00	.26
ARANEAE	C		.1	.0	.1 -	.1	.000	.000	NEG.-	.00	.00010	0	2.00	2.60
CLADOCERA-EUCLADOCERA	CL		1.0	.5	.4 -	.2	.000	.000	NEG.-	.00	.00002	.00002	22.00	5.45
CALANOIDA	F		.1	.0	.1 -	.1	.000	.000	NEG.-	.00	.00001	0	2.00	.26
AETIDIUS ARMATUS	C		.1	.0	.1 -	.1	.000	.000	NEG.-	.00	.00001	0	2.00	.26
TORTANUS DISCAUDATUS	C		.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.00003	0	6.00	2.60
CYCLOPS SP.	C		.1	.0	.1 -	.1	.000	.000	NEG.-	.00	.00001	0	2.00	.26
CYCLOPS VERNALIS	C		.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.00000	0	8.00	.26
MEOMYSIS MERCEDIS	C		.1	.0	.1 -	.1	.001	.001	.001-	.00	.00100	0	2.00	41.56
GNDRIMCSPHAEROMA DREGONENSIS	7		.1	.0	.1 -	.1	.001	.000	NEG.-	.00	.00000	0	2.00	15.58
COROPHIUM SALMONIS	7		.2	.1	.1 -	0	.000	.000	NEG.-	0	.00010	0	4.00	5.39
EDGAMMARUS CONFERVICOLLS	7		.1	.0	.1 -	.1	.000	.000	NEG.-	.00	.00001	0	2.00	.26
SMINTHURIDAE	C		.1	.0	.1 -	.1	.000	.000	NEG.-	.00	.00001	0	2.00	.26
HYPOGASTRURIDAE (=PODURIDAE)	C		.1	.0	.1 -	.1	.000	.000	NEG.-	.00	.00001	0	2.00	.26
ISOTOMIDAE	C		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.00001	0	4.00	.26
POLYCENTROPPODIDAE	H		.1	.0	.1 -	.1	.000	.000	NEG.-	.00	.00010	0	2.00	2.60
CERATOPOGONIDAE	6		.1	.0	.1 -	.1	.000	.000	NEG.-	.00	.00010	0	2.00	2.60
DIPTERA-CHIRONOMIDAE	8		.3	.1	.1 -	.1	.000	.000	NEG.-	0	.00001	.00000	6.00	.52
OSMERIDAE	6		.1	.0	.1 -	.1	.000	.000	NEG.-	.00	.00001	0	2.00	.26
COTTUS SP.	6		.6	.3	.3 -	.1	.000	.000	NEG.-	.00	.00007	.00001	14.00	12.99
UNIDENTIFIED EGG	+EGG		.1	.0	.1 -	.1	.000	.000	NEG.-	.00	.00001	0	2.00	.26
UNIDENTIFIED	C		.1	.0	.1 -	.1	.000	.000	NEG.-	.00	.00010	0	2.00	2.60

TOTAL NUMBER OF PLANKTON CATEGORIES 24

SHANNON-WEINER DIVERSITY INDEX NUMBERS 4.02
BIOPASS 2.91
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 5.18

MERITIC PLANKTON ANALYSIS

SITE TABLE, PAGE 1

 * SITE SUMMARY *

 IDENTIFICATION 80AP29
 STATION 13001 - SAND ISLAND
 FROM SAMPLES 0 1 0 2

 SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGNOT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	1.80	1.80-	0	0
TOTAL WET WEIGHT (PER M**3)	.026	.000-	.026	.991
TOTAL ABUNDANCE (PER M**3)	30.83	21.67-	12.96	.42
SAMPLE WET WEIGHT (PER M**3)	.026	.007-	.027	1.053
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES		
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN-	BIC-
CORNYLOPHORA SP.			1.7	.8	1.7 -	1.2	.000	.000	NEG.-	.00	.0000	0	2.70	.11
	D				1.7			NEG.						
POLYCHAETA			.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.90	.11
	C				.6			NEG.						
SPIONIDAE			.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.90	.11
	6				.6			NEG.						
CERIODAPHNIA RETICULATA			1.1	.6	1.1 -	.8	.000	.000	NEG.-	.00	.0001	0	1.80	.11
	8				1.1			NEG.						
BOSMINA SP.			.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.90	.11
	L				.6			NEG.						
CHYDORIDAE			1.7	.8	1.7 -	1.2	.000	.000	NEG.-	.00	.0000	0	2.70	.11
	8				1.7			NEG.						
EURYTEMORA AMERICANA			20.6	10.3	9.4 -	1.2	.001	.001	NEG.-	.00	.0001	.0001	33.22	2.26
	L8A				11.1			.001						
ACARTIA CLAUSI			3.3	1.7	3.3 -	2.4	.000	.000	NEG.-	.00	.0000	0	5.41	.11
	C				3.3			NEG.						
HARPACTICOIDA			.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.90	.11
	8				.6			NEG.						
MUNTEMPIA JADENSIS			1.1	.6	1.1 -	.8	.000	.000	NEG.-	.00	.0001	0	1.80	.11
	L8				1.1			NEG.						
CYCLOPS VERNALIS			.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.90	.11
	8				.6			NEG.						
CYCLOPS BICUSPIDATUS			2.2	1.1	1.1 -	0	.000	.000	NEG.-	0	.0001	0	3.60	.22
	8F				1.1			NEG.						
MYSIDACEA-MYSIDA			10.0	5.0	2.2 -	3.9	.002	.001	NEG.-	.00	.0002	.0000	16.22	4.31
	7				7.8			.002						
NEOMYSIS MERCEDIS			1.7	.8	1.7 -	1.2	.037	.019	.037-	.03	.0223	0	2.70	72.20
	8				1.7			.037						
COROPHIUM SP.			.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.90	.11
	7				.6			NEG.						
COROPHIUM SPINICORNE			4.4	2.2	4.4 -	3.1	.003	.001	.003-	.00	.0000	0	7.21	5.35
	7				4.4			.003						
EDGAMMARUS CONFERVICOLUS			3.3	1.7	.6 -	1.6	.001	.000	NEG.-	.00	.0001	.0001	5.41	1.19
	7				2.8			NEG.						
PLECOPTERA			.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.90	.11
	H				.6			NEG.						
DIPTERA-CHIRONOMIDAE			1.7	.8	1.7 -	1.2	.000	.000	NEG.-	.00	.0000	0	2.70	.11
	6				1.7			NEG.						
COTTUS SP.			3.9	1.9	1.7 -	.4	.007	.003	.001-	.00	.0016	.0013	6.31	12.93
	6				2.2			.006						
UNIDENTIFIED EGG			1.1	.6	1.1 -	.8	.000	.000	NEG.-	.00	.0001	0	1.80	.11
	←-EGG				1.1			NEG.						

TOTAL NUMBER OF PLANKTON CATEGORIES 21

 SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.41
 BIOMASS 1.51
 BRILLOLIN-S DIVERSITY INDEX BASED ON NUMBERS 2.92

* SITE SUMMARY *

IDENTIFICATION BOMY14
STATION 13001 - SAND ISLAND
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NC
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	10.88	10.8E-	0	0
TOTAL WET WEIGHT (PER M**3)	.005	.004-.006	.002	.351
TOTAL ABUNDANCE (PER M**3)	20.86	19.67-22.06	1.69	.08
SAMPLE WET WEIGHT (PER M**3)	.004	.003-.006	.002	.412
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BICPASS		PER	
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABU
HYDROIDA			.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0010	0	
CORDYLOPHORA SP.	W		.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	
CERIODAPHNIA RETICULATA	D		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	
CENTROPAGES ABDOMINALIS	B		.4	.2	.2 -	0	.000	.000	NEG.-	0	.0001	0	
DIAPTOMUS SP.	F		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	
EURYTEMORA AMERICANA	C		11.6	5.8	5.1 -	.9	.001	.000	NEG.-	.00	.0001	.0001	27.
ACARTIA CLAUSI	BLFA		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	
ACARTIA TONSA	B		.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	
SCOTTOLANA CANADENSIS	B		.4	.2	.2 -	0	.000	.000	NEG.-	0	.0001	0	
HUNTEMANIA JADENSIS	FB		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	
BRYOCAMPTUS SP.	B		.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	
CYCLOPS VERNALIS	B		.4	.2	.2 -	0	.000	.000	NEG.-	0	.0001	0	
CYCLOPS BICUSPIDATUS	LB		.5	.5	.4 -	.1	.000	.000	NEG.-	0	.0000	.0000	2.
EUCYCLOPS AGILIS	B		.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0000	0	1.
EUCYCLOPS PHALERATUS	B		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	
MACROCYCLOPS SP.	B		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	
BALANOMORPHA	B		.9	.5	.4 -	.1	.000	.000	NEG.-	0	.0000	.0000	2.
MYSIDACEA-MYSIDA	27		7.5	3.8	3.5 -	.4	.001	.001	NEG.-	.00	.0002	.0000	18.
NEOMYSIS MERCEDES	7		.2	.1	.2 -	.1	.004	.002	.004-	.00	.0240	0	
CUMELLA SP.	B		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	
GNGRIMCSPHAEROMA OREGONENSIS	L		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	
CORDOPHIUM SP.	7		12.9	6.4	6.3 -	.3	.001	.000	NEG.-	.00	.0001	.0000	30.
ANISOGAMMARUS SP.	7		.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	
EUPHAUSIACEA	7		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	
DIPTERA-CHIRONOMIDAE	6		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	
COTTUS SP.	G		2.2	1.1	.6 -	.8	.001	.000	NEG.-	.00	.0004	.0001	5.
GOBIIDAE	6		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	
UNIDENTIFIED EGG	6		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	
	+-EGG				.2				NEG.				

TOTAL NUMBER OF PLANKTON CATEGORIES 28

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.94
BICPASS 2.56
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.55

MERITIC PLANKTON ANALYSIS

SITE TABLE, PAGE 1

 * SITE SUMMARY *

 IDENTIFICATION 80JN12
 STATION 13001 - SAND ISLAND
 FROM SAMPLES 0 1 0 2

 SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGDRNDT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	7.10	7.10-	0	0
TOTAL WET WEIGHT (PER M**3)	.013	7.10 .012-	.001	.063
TOTAL ABUNDANCE (PER M**3)	56.62	.013 55.77-	1.20	.02
SAMPLE WET WEIGHT (PER M**3)	.013	57.46 .012-	.001	.090
SAMPLE DRY WEIGHT (PER M**3)	0	.014 0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				* AVG. BIOMASS		* PERCENTAGES		
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- DANCE	BIC- MASS
CORDYLOPHORA SP.	D		14.6	7.3	5.6 - 9.0	2.4	.001	.001	NEG.-	0	.0001	.0000	12.94	4.44
NEMATODA	8		1.1	.6	.6 - .6	0	.000	.000	NEG.-	0	.0001	0	1.00	.44
OLIGOCHAETA	8		.6	.3	.6 - .6	.4	.000	.000	NEG.-	.00	.0001	0	.50	.22
PODOCOPA	C		.6	.3	.6 - .6	.4	.000	.000	NEG.-	.00	.0001	0	.50	.22
CYCLOPS VERNALIS	8		.6	.3	.6 - .6	.4	.000	.000	NEG.-	.00	.0001	0	.50	.22
EUCYCLOPS AGILIS	8		1.1	.6	1.1 - 1.1	.6	.000	.000	NEG.-	.00	.0001	0	1.00	.22
BALANOMORPHA	E		.6	.3	.6 - .6	.4	.000	.000	NEG.-	.00	.0001	0	.50	.22
NEMYSIS MERCEDIS	7		58.6	29.3	27.6 - 31.0	2.4	.020	.010	.010-	.00	.0003	.0001	51.74	60.00
COROPHIUM SP.	7		32.7	16.3	14.6 - 18.0	2.4	.003	.002	.002-	0	.0001	.0000	28.66	13.33
MEGALUROPOUS SP.	7		.6	.3	.6 - .6	.4	.000	.000	NEG.-	.00	.0001	0	.50	.22
CRANGONIDAE	3		1.7	.8	1.7 - 1.7	1.2	.000	.000	NEG.-	.00	.0000	0	1.45	.22
DIPTERA-CHIRONOMIDAE	6		.6	.3	.6 - .6	.4	.000	.000	NEG.-	.00	.0001	0	.50	.22

TOTAL NUMBER OF PLANKTON CATEGORIES 12

 SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.84
 BICPASS 1.04
 BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.70

* SITE SUMMARY *

IDENTIFICATION 80JY08
STATION 13001 - SAND ISLAND
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	10.50	10.50-	0	0
TOTAL WET WEIGHT (PER M**3)	.000	.000-	.000	.189
TOTAL ABUNDANCE (PER M**3)	3.33	2.76-	.81	.24
SAMPLE WET WEIGHT (PER M**3)	.000	.000-	.000	.202
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES		
			* TOTAL	MEAN	RANGE	S.D.	* TCTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- DANCE	BIC- MASS
CORDYLOPHORA SP.	D		.8	.4	.8 -	.5	.CCC	.CCC	NEG.-	.CC	.CCCC	0	11.43	1.67
EURYCERCUS LAMELLATUS	8		.1	.0	.1 -	.1	.CCC	.000	NEG.-	.CC	.CCC1	0	1.43	1.67
DIAPTOMUS SP.	C		.1	.0	.1 -	.1	.CCC	.000	NEG.-	.00	.CCC1	0	1.43	1.67
SCOTTOLANA CANADENSIS	8		.1	.0	.1 -	.1	.CCC	.CCC	NEG.-	.CC	.CCC1	0	1.43	1.67
HUNTEMANIA JADENSIS	8		.1	.0	.1 -	.1	.CCC	.000	NEG.-	.CC	.CCC1	0	1.43	1.67
MACROCYCLOPS SP.	8		.1	.0	.1 -	.1	.C00	.000	NEG.-	.00	.CCC1	0	1.43	1.67
BALANOMORPHA	2		1.3	.7	.7 -	0	.CCC	.000	NEG.-	0	.CCCC	0	20.00	3.33
MYSIDACEA-MYSIDA	7		.9	.4	.9 -	.6	.CCC	.000	NEG.-	.00	.0001	0	12.00	16.67
NEOMYSIS MERCEDIS	7		1.4	.7	1.4 -	1.0	.CCC	.CCC	NEG.-	.CC	.CCC1	0	21.43	33.33
LEUCON SP	L7		.2	.1	.2 -	.1	.C00	.000	NEG.-	.CC	.CCC1	0	2.00	1.67
GNDRIMOSPHAERDHA GREGONENSIS	7		.2	.1	.2 -	.1	.C00	.000	NEG.-	.CC	.CCC1	0	2.00	1.67
COROPHIUM SP.	7		1.4	.7	.6 -	.2	.CCC	.CCC	NEG.-	0	.CCC1	.0000	21.43	33.33

TOTAL NUMBER OF PLANKTON CATEGORIES 12

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.89
BICMASS 2.44
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.47

* SITE SUMMARY *

IDENTIFICATION 80AU06
STATION 13001 - SAND ISLAND
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	6.90	6.90-	0	0
TOTAL WET WEIGHT (PER M**3)	.005	.003-.006	.002	.389
TOTAL ABUNDANCE (PER M**3)	23.26	21.30-25.22	2.77	.12
SAMPLE WET WEIGHT (PER M**3)	.005	.003-.006	.002	.416
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	* NUMBERS/M**3			* WET WEIGHT, GRAMS/M**3				* AVE. BIOMASS		* PERCENTAGES		
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- DANCE	* BIC- MASS
CORYDOPHORA SP.			.6	.3	.1 - .4	.2	.000	.000	NEG.-	0	.0001	.0000	1.25	.32
OLIGOCHAETA	D		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0001	0	.31	.16
PSEUDOCALANUS SP.	B		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0001	0	.31	.16
CENTROPAGES ABDOMINALIS	B		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0001	0	.21	.16
EURYTEMORA AMERICANA	F		4.8	2.4	1.7 - 3.0	.9	.000	.000	NEG.-	0	.0000	.0000	10.28	.32
EPILABIDOCERA AMPHITRITES	BL		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0001	0	.31	.16
ACARTIA CLAUSI	F		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0001	0	.21	.16
ACARTIA TONSA	C		1.0	.5	1.0 - 1.0	.7	.000	.000	NEG.-	.00	.0000	0	2.16	.16
HARPACTICOIDA	B		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0001	0	.31	.16
CLETODIDAE	B		.3	.1	.3 - .3	.2	.000	.000	NEG.-	.00	.0001	0	.62	.16
CALIGOIDA	F		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0000	0	.31	1.59
BALANOMORPHA	B		6.5	3.3	2.2 - 4.3	1.5	.000	.000	NEG.-	0	.0000	.0000	14.02	.32
MYSIDACEA-MYSIDA	2E		16.8	8.4	5.9 - 10.9	3.5	.004	.002	.001-.003	.00	.0002	.0000	36.14	42.93
NEOMYSIS MERCEDIS	7		.4	.2	.1 - .3	.1	.004	.002	.001-.002	.00	.0002	.0011	.93	42.93
LEUCON SP	87		.3	.1	.3 - .3	.2	.000	.000	NEG.-	.00	.0001	0	.62	.16
CUMELLA SP.	7		.7	.4	.1 - .6	.3	.000	.000	NEG.-	0	.0001	.0001	1.56	.32
COROPHIUM SP.	B		13.5	6.7	5.8 - 7.7	1.3	.001	.000	NEG.-	0	.0000	.0000	28.97	6.36
EDGAMMARUS SP.	7		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0001	0	.31	.16
CAPRELLA ALASKANA	7		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0000	0	.31	1.59
TELEOSTEI	C		.3	.1	.1 - .1	0	.000	.000	NEG.-	.00	.0000	.0006	.62	1.75

TOTAL NUMBER OF PLANKTON CATEGORIES 20

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.51
BIOMASS 1.85
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.24

 * SITE SUMMARY *

IDENTIFICATION 80SE09
 STATION 13001 - SAND ISLAND
 FRGM SAMPLES 0 1 0 2

SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGORNOT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	12.20	12.20-	0	C
TOTAL WET WEIGHT (PER M**3)	.016	.012-.020	.005	.333
TOTAL ABUNDANCE (PER M**3)	48.36	47.21-49.51	1.62	.03
SAMPLE WET WEIGHT (PER M**3)	.018	.015-.020	.003	.172
SAMPLE DRY WEIGHT (PER M**3)	0	C-	0	C

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BICPASS		PERCENTAGES		
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN-DANCE	BIC-MASS
CORDYLOPHORA SP.			7.2	3.6	1.3 - 5.9	3.2	.001	.000	NEG.-	.00	.0001	.0001	7.46	2.15
POLYCHAETA	D		.3	.2	.3 - .3	.2	.000	.000	NEG.-	.00	.0001	C	.34	.10
ETCNE SP.	7		.3	.2	.3 - .3	.2	.001	.000	NEG.-	.00	.0020	0	.34	2.04
OLIGOCHAETA	C		.3	.2	.3 - .3	.2	.000	.000	NEG.-	.00	.0001	0	.34	.10
ACARINA HYDRACARINA PRESTIGMAT	C		.3	.2	.3 - .3	.2	.000	.000	NEG.-	.00	.0001	0	.34	.10
SCOTTOLANA CANADENSIS	8		.3	.2	.3 - .3	.2	.000	.000	NEG.-	.00	.0001	0	.34	.10
BALANOMORPHA	8		.3	.2	.3 - .3	.2	.000	.000	NEG.-	.00	.0001	C	.34	.10
MYSIDACEA-MYSIDA	2		7.2	3.6	7.2 - 7.2	5.1	.002	.001	.002-	.00	.0002	C	7.46	5.11
NEOMYSIS MERCEDIS	7		8.5	4.3	1.0 - 7.5	4.6	.016	.006	.006-	.00	.0037	.0033	8.61	51.12
LEUCON SP.	LC7		1.0	.5	.3 - .7	.2	.000	.000	NEG.-	C	.0001	.0000	1.02	.20
COROPHIUM SP.	C8		69.5	34.8	32.8 - 36.7	2.8	.005	.002	NEG.-	.00	.0001	.0001	71.86	16.36
EOGAMMARUS CONFERVICOLUS	7		1.3	.7	.3 - 1.0	.5	.007	.004	.003-	.00	.0077	.0061	1.36	22.49

TOTAL NUMBER OF PLANKTON CATEGORIES 12

SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.53
 BIDMASS 1.93
 BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.38

* SITE SUMMARY *

IDENTIFICATION 80DC07
STATION 13001 - SAND ISLAND
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LM-STAGE = EGGORNDT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	CDEF.VAR
SAMPLE VOLUME (M**3)	6.10	6.10-	0	0
TOTAL WET WEIGHT (PER M**3)	.003	.001-	.002	.654
TOTAL ABUNDANCE (PER M**3)	15.16	13.61-	2.20	.15
SAMPLE WET WEIGHT (PER M**3)	.003	.002-	.001	.499
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LM-STAGE	NUMBERS/M**3			S.D.	WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
			TOTAL	MEAN	RANGE		TOTAL	MEAN	RANGE	S.D.	MEAN	S.C.	ABUN-DANCE	BIC-PASS
CORDYLOPHORA SP.	D		2.3	1.1	.7 -	.7	.000	.000	NEG.-	.00	.0001	.0001	7.57	3.61
TURBELLARIA	C		.5	.2	1.6 -	.1	.000	.000	NEG.-	.00	.0003	.0003	1.62	3.61
SPIONIDAE	6		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.54	.33
DLIGOCHAETA	C		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.54	.33
PODON SP.	8		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.54	.33
CALANOIDA	F		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.54	.33
PSEUDOCALANUS SP.	F		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.54	.33
EURYTEMORA AMERICANA	8		3.6	1.8	1.0 -	1.2	.000	.000	NEG.-	0	.0000	.0000	11.89	.66
EPILABIDOCERA AMPHITRITES	F		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.54	.33
ACARTIA CLAUSI	8		.3	.2	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	1.08	.33
BALANOMORPHA	2		1.0	.5	1.0 -	.7	.000	.000	NEG.-	.00	.0000	0	3.24	.33
MYSIDACEA-MYSIDA	7		7.0	3.5	3.1 -	.6	.001	.001	NEG.-	.00	.0002	.0000	23.24	22.99
NEOMYSIS MERCEDIS	L		.2	.1	.2 -	.1	.002	.001	NEG.-	.00	.0140	0	.54	45.90
LAMPROPS SP.	8		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.54	.33
LEUCON SP.	A		8.0	4.0	3.8 -	.3	.001	.000	NEG.-	.00	.0001	.0000	26.49	16.39
CORDOPHIUM SP.	7		5.9	3.0	2.8 -	.2	.000	.000	NEG.-	.00	.0000	.0000	19.46	3.61
EDGAMHARUS SP.	7		.3	.2	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	1.08	.33

TOTAL NUMBER OF PLANKTON CATEGORIES 17

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.83
BIDMASS 2.27
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.44

Appendix 6-2. Neritic Zooplankton
Analysis Tables for:

COW POINT
March 20 - October 21, 1980

LIFE HISTORY STAGE CODES

0 - Unstaged	I - Protozoa
1 - Egg	J - Juvenile
2 - Nauplius	K - Medusa
3 - Zoea	L - Egg-bearing female
4 - Megalops	M - Egg case
5 - Veliger	P - Unidentified (part)
6 - Larva	Q - Immature
7 - Juvenile	R - Subadult
8 - Adult	S - Trochophore
9 - Larva + Juv. + Adult	T - Subadult + Juv.
A - Juv. + Adult	U - Mating pair
B - Larva + Juv.	V - Mysis
C - Juv. or Adult	W - Colony
D - Polyp	X - Cyphonautes
E - Cypris	Y - Glaucothoe
F - Copepodid	+ - Egg
G - Pupa	* - All non-egg stages pooled
H - Nymph	

NERITIC PLANKTON ANALYSIS

* SITE SUMMARY *

IDENTIFICATION 80MR20
STATION 13064 - COW POINT BS/PS
FROM SAMPLES G 1 D 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNDT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	10.90	10.90-	0	0
TOTAL WET WEIGHT (PER M**3)	.003	.001- .004	.002	.719
TOTAL ABUNDANCE (PER M**3)	3.76	1.74- 5.78	2.85	.76
SAMPLE WET WEIGHT (PER M**3)	.003	.001- .004	.002	.707
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				* AVG. BIOMASS		* PERCENTAGES		
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- * CANCE	BIC- MASS
DAPHNIA SP.			.6	.3	.1 - .5	.3	.000	.000	NEG.- NEG.	0	.0001	.0001	7.32	.35
DAPHNIA GALEATA	C		.2	.1	.2 - .2	.1	.000	.000	NEG.- NEG.	.00	.0001	C	2.44	.17
CALANOIDA	L		.1	.0	.1 - .1	.1	.000	.000	NEG.- NEG.	.00	.0001	0	1.22	.17
MARPACTICOIDA	C		.2	.1	.2 - .2	.1	.000	.000	NEG.- NEG.	.00	.0001	0	2.44	.17
CYCLOPS VERNALIS	F		.1	.0	.1 - .1	.1	.000	.000	NEG.- NEG.	.00	.0001	0	1.22	.17
NEOMYSIS MERCEDIS	B		.2	.1	.1 - .1	0	.003	.002	NEG.- CC3	.00	.0175	.0205	2.44	60.55
LEUCON SP	C8		.1	.0	.1 - .1	.1	.000	.000	NEG.- NEG.	.00	.0010	C	1.22	1.73
GAMMARIDEA	B		.1	.0	.1 - .1	.1	.000	.000	NEG.- NEG.	.00	.0010	C	1.22	1.73
COROPHIUM SP.	C		.7	.4	.7 - .7	.5	.001	.000	NEG.- NEG.	.00	.0000	0	9.76	10.38
COROPHIUM SPINICORNE	A		.2	.1	.2 - .2	.1	.000	.000	NEG.- NEG.	.00	.0005	0	2.44	1.73
COLLEMBOLA	B		.2	.1	.2 - .2	.1	.000	.000	NEG.- NEG.	.00	.0001	C	2.44	.17
DIPTERA-CHIRONOMIDAE	B		.1	.0	.1 - .1	.1	.000	.000	NEG.- NEG.	.00	.0001	0	1.22	.17
OSMERIDAE	6		.6	.3	.2 - .4	.1	.000	.000	NEG.- NEG.	C	.0004	.0002	7.32	3.46
COTTUS SP.	6		.7	.4	.7 - .7	.5	.001	.000	NEG.- NEG.	.00	.0000	C	9.76	10.38
COTTUS SP.	6		.4	.2	.4 - .4	.3	.000	.000	NEG.- NEG.	.00	.0000	0	4.88	5.15
UNIDENTIFIED EGG	6		3.2	1.6	3.2 - 3.2	2.3	.000	.000	NEG.- NEG.	.00	.0001	C	42.68	3.46
	+-EGG													

TOTAL NUMBER OF PLANKTON CATEGORIES 16

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.99
BIOMASS 2.10
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.65

NERITIC PLANKTON ANALYSIS

* SITE SUMMARY *

IDENTIFICATION 80AP15
STATION 13004 - COW POINT BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF. VAR
SAMPLE VOLUME (M**3)	5.10	5.10-	0	0
TOTAL WET WEIGHT (PER M**3)	.006	.002-	.006	.928
TOTAL ABUNDANCE (PER M**3)	3.92	1.16-	3.88	.99
SAMPLE WET WEIGHT (PER M**3)	.007	.002-	.007	.970
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			S.D.	WET WEIGHT, GRAMS/M**3				AVE. BICMASS		PERCENTAGES	
			TOTAL	MEAN	RANGE		TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABL- DANCE	BIC- PASS
DAPHNIA SP.			.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	0	5.00	.15
CYCLOPS SP.	C		.2	.1	.2 - .2	.1	.000	.000	NEG.-	.00	.0001	0	2.50	.15
ARCHAEMYDYSIS GREBNITZKII	8		1.0	.5	1.0 - .2	.7	.000	.000	NEG.-	.00	.0002	0	12.50	1.55
NEOMYSIS MERCEDIS	C		.2	.1	.2 - .2	.1	.000	.000	NEG.-	.00	.0001	0	2.50	.15
CUMELLA SP.	7		.2	.1	.2 - .2	.1	.000	.000	NEG.-	.00	.0001	0	2.50	.15
CECROPHIUM SPINICORNE	C		4.3	2.2	.8 - 3.5	1.9	.012	.000	.002-	.01	.0020	.0002	55.00	52.00
EGGAMMARUS CONFERVICOLUS	A		.2	.1	.2 - .2	.1	.000	.000	NEG.-	.00	.0001	0	2.50	.15
DIPTERA-CHIRONOMIDAE	7		.2	.1	.2 - .2	.1	.000	.000	NEG.-	.00	.0001	0	2.50	1.55
OSMERIDAE	6		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	0	5.00	.15
COTTUS SP.	6		.8	.4	.2 - .6	.3	.000	.000	NEG.-	0	.0007	.0005	10.00	3.10

TOTAL NUMBER OF PLANKTON CATEGORIES 10

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.28
BICMASS .53
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.76

* SITE SUMMARY *

IDENTIFICATION 80AP29
STATION 13004 - CDW POINT BS/PS
FROM SAMPLES C 1 0 2

SPECIES DEFINITION -
TRUNCATED = NG
LH-STAGE = EGGCRNDT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	5.00	5.00-	0	0
TOTAL WET WEIGHT (PER M**3)	.166	.046-	.167	1.007
TOTAL ABUNDANCE (PER M**3)	760.00	672.00-	124.45	.16
SAMPLE WET WEIGHT (PER M**3)	.178	.064-	.161	.905
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- DANCE	BIC- MASS
HYDROZOA			16.0	6.0	16.0 -	11.3	.003	.002	.003-	.00	.0002	0	1.05	.97
POLYNOIDAE	K		3.2	1.6	3.2 -	2.3	.000	.000	NEG.-	.00	.0001	0	.21	.10
CALANUS SP.	6		22.4	11.2	22.4 -	15.8	.003	.002	.003-	.00	.0001	0	1.47	.97
PARACALANUS SP.	F		6.4	3.2	6.4 -	4.5	.000	.000	NEG.-	.00	.0001	0	.42	.10
PSEUDOCALANUS SP.	C		38.4	19.2	9.6 -	13.6	.004	.002	NEG.-	.00	.0001	.0001	2.53	1.06
EUFYTEMORA AMERICANA	AB		553.6	276.8	275.2 -	2.3	.035	.018	.016-	.00	.0001	.0000	36.42	10.62
ACARTIA CLAUSI	LAB		713.6	356.0	323.2 -	47.6	.032	.016	.016-	0	.0000	.0000	46.95	9.65
ACARTIA TONSA	AB		3.2	1.6	3.2 -	2.3	.000	.000	NEG.-	.00	.0001	0	.21	.10
BRYOCAMPTUS SP.	8		3.2	1.6	3.2 -	2.3	.000	.000	NEG.-	.00	.0001	0	.21	.10
CYCLOPS SP.	C		3.2	1.6	3.2 -	2.3	.000	.000	NEG.-	.00	.0001	0	.21	.10
CYCLOPS VERNALIS	C		3.2	1.6	3.2 -	2.3	.000	.000	NEG.-	.00	.0001	0	.21	.10
BALANOMORPHA	8		22.4	11.2	6.4 -	6.8	.001	.000	NEG.-	0	.0000	.0000	1.47	.19
ACANTHOMYSIS MACROPSIS	2		12.8	6.4	6.4 -	0	.006	.003	.003-	0	.0005	0	.84	1.93
MEGAMYSIS MERCEDIS	7		16.0	8.0	3.2 -	6.8	.026	.013	.003-	.01	.0014	.0005	1.05	7.72
LEUCON SP	A7		6.4	3.2	3.2 -	0	.001	.000	NEG.-	0	.0001	0	.42	.19
CUMELLA SP.	8C		12.8	6.4	3.2 -	4.5	.004	.002	NEG.-	.00	.0002	.0002	.84	1.06
COROPHIUM SP.	8		6.4	3.2	3.2 -	0	.001	.000	NEG.-	0	.0001	0	.42	.19
EDGAMMARUS CONFERVICOLUS	7		38.4	19.2	16.0 -	4.5	.006	.003	.003-	0	.0002	.0000	2.53	1.93
CRANGONIDAE	7		6.4	3.2	6.4 -	4.5	.003	.002	.003-	.00	.0005	0	.42	.97
DIKOPLEURA SP.	7		3.2	1.6	3.2 -	2.3	.000	.000	NEG.-	.00	.0001	0	.21	.10
DSMERIDAE	C		6.4	3.2	6.4 -	4.5	.205	.102	.205-	.14	.0320	0	.42	61.78
UNIDENTIFIED EGG	6		22.4	11.2	22.4 -	15.8	.000	.000	NEG.-	.00	.0000	0	1.47	.10

TOTAL NUMBER OF PLANKTON CATEGORIES 22

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.11
BIOMASS 2.07
BRILLOLIN-S DIVERSITY INDEX BASED ON NUMBERS 2.07

* SITE SUMMARY *

IDENTIFICATION BOMY14
STATION 13004 - CDW POINT BS/PS
FROM SAMPLES D 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEFF.VAR
SAMPLE VOLUME (M**3)	11.97	11.97-	0	0
TOTAL WET WEIGHT (PER M**3)	.019	11.97- .016-	.005	.273
TOTAL ABUNDANCE (PER M**3)	40.77	.023 21.39-	27.41	.67
SAMPLE WET WEIGHT (PER M**3)	.020	60.15 .017-	.005	.241
SAMPLE DRY WEIGHT (PER M**3)	0	.024 0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES		
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- DANCE	BIC- MASS
POLYNOZIDAE			.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.20	.04
PHYLLODOCIDAE	6		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0010	0	.20	.43
OLIGOCHAETA	C		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.20	.04
MESOGASTROPODA	C		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0001	0	.14	.03
BIVALVIA	7		.2	.1	.2 -	.2	.000	.000	NEG.-	.00	.0005	0	.27	.29
CALANUS SP.	7		.8	.4	.8 -	.6	.000	.000	NEG.-	.00	.0000	0	1.02	.04
PSEUDOCALANUS SP.	F		.2	.1	.2 -	.2	.000	.000	NEG.-	.00	.0001	0	.27	.03
CENTROPAGES ABDOMINALIS	8		.6	.3	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.68	.07
EURYTEMORA AMERICANA	CF		35.8	17.9	7.4 -	14.9	.002	.001	NEG.-	.00	.0000	.0000	43.85	4.32
ACARTIA CLAUSI	AL		7.7	3.9	.6 -	4.7	.000	.000	NEG.-	.00	.0000	.0000	9.49	.46
ACARTIA TONSA	8A		.3	.2	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.41	.04
HARPACTICOIDA	8		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.20	.04
HARPACTICUS SP.	C		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0001	0	.14	.03
HUNTEMANIA JADENSIS	8		.6	.3	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.68	.07
CYCLOPS VERNALIS	8		1.2	.6	.3 -	.4	.000	.000	NEG.-	.00	.0000	.0000	1.42	.07
BALANOMORPHA	8		13.9	7.0	4.2 -	3.9	.000	.000	NEG.-	.00	.0000	.0000	17.08	1.15
MYSIDACEA-MYSIDA	2		2.5	1.3	.7 -	.8	.002	.001	NEG.-	.00	.0005	.0003	3.07	4.03
MEGAMYSIS MERCEDIS	7		1.9	.9	.6 -	.6	.02E	.014	.001	.01	.0157	.0038	2.32	71.47
LEUCON SP	8A		1.9	.9	.6 -	.6	.000	.000	NEG.-	.00	.0002	.0000	2.32	1.15
CUMELLA SP.	AC		3.8	1.9	1.8 -	.1	.001	.000	NEG.-	0	.0002	.0000	4.71	1.72
CORDPHIUM SP.	AB		4.3	2.1	1.1 -	1.5	.000	.000	NEG.-	.00	.0001	.0000	5.26	.72
CORDPHIUM SPINICORNE	7		.2	.1	.2 -	.2	.000	.000	NEG.-	.00	.0015	0	.27	.86
EOGAMMARUS CONFERVICOLUS	8		1.7	.8	.7 -	.2	.001	.000	NEG.-	.00	.0005	0	2.05	2.16
CRANGONIDAE	7		.8	.4	.3 -	.1	.003	.001	NEG.-	.00	.0036	.0016	.96	7.64
DIPTERA-CHIRONOMIDAE	7		.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0003	0	.55	.29
DIPTERA-BRACHYCERA	8		.2	.1	.2 -	.2	.000	.000	NEG.-	.00	.0020	0	.27	1.15
HYMENOPTERA	8		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0010	0	.14	.29
CHAETOGNATHA	8		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0001	0	.14	.03
COTTUS SP.	7		.4	.2	.1 -	.2	.000	.000	NEG.-	.00	.0001	.0000	.55	.07
GDBIIDAE	6		.4	.2	.1 -	.2	.000	.000	NEG.-	.00	.0001	.0000	.55	.07
UNIDENTIFIED EGG	6		.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0010	0	.55	1.15

TOTAL NUMBER OF PLANKTON CATEGORIES 31

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.97
BIOMASS 1.86
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.64

* SITE SUMMARY *

IDENTIFICATION 80MY29
STATION 13004 - CDW POINT BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF. VAR
SAMPLE VOLUME (M**3)	11.10	11.10-	0	0
TOTAL WET WEIGHT (PER M**3)	.383	.183- .584	.283	.740
TOTAL ABUNDANCE (PER M**3)	145.23	113.51- 176.94	44.85	.31
SAMPLE WET WEIGHT (PER M**3)	.571	.216- .926	.502	.879
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVE. BIOMASS		PERCENTAGES		
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- * DANCE	BIC- MASS
POLYNOIDAE			1.4	.7	.4 -	.5	.000	.000	NEG.-	0	.0001	.0000	.50	.01
MESOGASTROPODA	7		.7	.4	1.1 -	0	.000	.000	NEG.-	0	.0001	0	.25	.01
PODON SP.	8		.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	.12	.00
CALANUS SP.	F		1.1	.5	1.1 -	.8	.000	.000	NEG.-	.00	.0000	0	.37	.00
PARACALANUS SP.	8		6.3	4.1	2.2 -	2.8	.000	.000	NEG.-	0	.0000	.0000	2.85	.01
PSEUDOCALANUS SP.	8		1.4	.7	.7 -	0	.000	.000	NEG.-	0	.0001	0	.50	.01
CENTROPAGES ABDOMINALIS	FA		5.4	2.7	1.8 -	1.3	.000	.000	NEG.-	0	.0000	.0000	1.86	.01
EUPYTEMORA AMERICANA	LA		151.0	75.5	3.6 -	12.0	.000	.004	.004-	.00	.0001	.0000	51.99	.99
EPILABIDOCERA AMPHITRITES	F		.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	.12	.00
ACARTIA CLAUSI	BAL		20.9	10.5	1.4 -	12.7	.000	.000	NEG.-	.00	.0000	.0000	7.20	.05
ACARTIA TONSA	A		6.5	3.2	2.2 -	1.5	.000	.000	NEG.-	0	.0000	.0000	2.23	.01
TISBE SP.	8		1.1	.5	1.1 -	.8	.000	.000	NFG.-	.00	.0000	0	.37	.00
HUNTEMANIA JADENSIS	8		1.1	.5	1.1 -	.8	.000	.000	NEG.-	.00	.0000	0	.27	.00
HALICYCLOPS SP.	L		.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	.12	.00
CYCLOPS VERNALIS	8		2.2	1.1	.7 -	.5	.000	.000	NEG.-	0	.0000	.0000	.74	.01
DITHONA SP.	8		.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	.12	.00
BALANOMORPHA	2E		49.0	24.5	17.7 -	9.7	.001	.001	NEG.-	.00	.0000	.0000	16.87	.14
MYSIDACEA-MYSIDA	7		10.1	5.0	31.4 -	1.5	.010	.005	NEG.-	.00	.0010	.0000	3.47	1.27
NEOMYSIS MERCEDIS	8C		1.8	.9	4.0 -	.8	.033	.017	.004-	.01	.0212	.0007	.62	4.33
NEOMYSIS RAYII	C		.4	.2	.4 -	.3	.003	.001	.006	.00	.0000	0	.12	.00
LEUCON SP.	8		.4	.2	.4 -	.3	.000	.000	.024	.00	.0000	0	.12	.00
CUPELLA SP.	AB		13.7	6.8	.003-	2.0	.001	.000	.003-	.00	.0001	.0000	4.71	.05
COROPHIUM SP.	7		3.6	1.8	.003-	.5	.000	.000	.003-	0	.0000	.0000	1.24	.01
EOGAMMARUS CONFERVICOLLIS	7		3.2	1.6	8.3 -	1.3	.000	.000	NEG.-	.00	.0001	.0001	1.12	.05
CRANGON FRANCISCORUM	7		1.1	.5	2.2 -	.3	.70E	.354	NEG.-	.28	.8720	.9207	.37	52.35
SAGITTA SP.	7		.4	.2	.7 -	.3	.000	.000	.549	.00	.0001	0	.12	.00
TELEDSTEI	6		.7	.4	.4 -	0	.000	.000	NEG.-	0	.0001	0	.25	.01
COTTUS SP.	6		.4	.2	.4 -	.3	.000	.000	NFG.-	.00	.0001	0	.12	.00
GOBIIIDAE	6		3.2	1.6	.4 -	.8	.001	.001	NEG.-	.00	.0003	0	1.12	.14

TOTAL NUMBER OF PLANKTON CATEGORIES 29

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.61
BIOMASS .55
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.44

NERITIC PLANKTON ANALYSIS

SITE TABLE, PAGE 1

 * SITE SUMMARY *

 IDENTIFICATION 80JN12
 STATION 13004 - COW POINT BS/PS
 FROM SAMPLES 0 1 0 2

 SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGNOT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	7.80	7.80-	0	0
TOTAL WET WEIGHT (PER M**3)	.117	.017-	.141	1.208
TOTAL ABUNDANCE (PER M**3)	109.87	89.49-	28.83	.26
SAMPLE WET WEIGHT (PER M**3)	.114	.013-	.144	1.256
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES		
		LH-STAGE	TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN- DANCE	BIC- MASS
CORNYLOPHORA SP.	D		1.0	.5	1.0 -	.7	.000	.000	NEG.-	.00	.0001	0	.47	.02
SYLLIDAE	C		.5	.3	.5 -	.4	.001	.000	NEG.-	.00	.0010	0	.23	.22
SPIONIDAE	6		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.23	.02
CALANUS SP.	F		3.1	1.5	1.0 -	.7	.000	.000	NEG.-	0	.0000	.0000	1.40	.04
PARACALANUS SP.	B		1.0	.5	1.0 -	.7	.000	.000	NEG.-	.00	.0001	0	.47	.02
PSEUDOCALANUS SP.	F		1.0	.5	1.0 -	.7	.000	.000	NEG.-	.00	.0001	0	.47	.02
CENTROPAGES ABDOMINALIS	AF		5.1	2.6	2.1 -	.7	.000	.000	NEG.-	0	.0000	.0000	2.33	.04
EURYTEMORA AMERICANA	8L		51.3	25.6	17.9 -	10.9	.002	.001	NEG.-	.00	.0000	.0000	23.34	.66
EPILABIDOCERA AMPHITRITES	F		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.23	.02
ACARTIA CLAUSI	A		5.1	2.6	5.1 -	3.6	.000	.000	NEG.-	.00	.0000	0	2.33	.02
ACARTIA TONSA	A		8.7	4.4	3.6 -	1.1	.000	.000	NEG.-	0	.0000	.0000	3.97	.04
HARPACTICOIDA	C		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.23	.02
HUNTEMANIA JADENSIS	8L		3.1	1.5	3.1 -	2.2	.000	.000	NEG.-	.00	.0000	0	1.40	.02
BRYOCAMPTUS SP.	C		1.0	.5	1.0 -	.7	.000	.000	NEG.-	.00	.0001	0	.47	.02
CYCLOPS BICUSPIDATUS	8		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.23	.02
BALANOMORPHA	2		55.9	27.9	21.0 -	9.8	.001	.001	NEG.-	0	.0000	.0000	25.44	.44
NEOMYSIS MERCEDIS	A		12.8	6.4	6.2 -	.4	.047	.023	.011-	.02	.0037	.0029	5.83	20.01
LEUCON SP	7		15.9	7.9	6.7 -	1.8	.001	.001	NEG.-	0	.0001	.0000	7.23	.44
CUMELLA SP.	A		27.2	13.6	12.8 -	1.1	.002	.001	.001-	0	.0001	.0000	12.37	.88
COROPHIUM SP.	7		17.9	9.0	8.2 -	1.1	.002	.001	.001-	0	.0001	.0000	8.17	.88
ANISOGAMMARUS SP.	7		3.6	1.8	1.5 -	.4	.001	.001	NEG.-	.00	.0003	.0003	1.62	.46
CRANGONIDAE	7		.8	.4	.8 -	.5	.174	.087	.174-	.12	.2260	0	.35	74.54
CRANGON SP.	7		2.1	1.0	.5 -	.7	.003	.001	NEG.-	.00	.0012	.0002	.93	1.10
CHAETOGNATHA	7		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.23	.02

TOTAL NUMBER OF PLANKTON CATEGORIES 24

 SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.24
 BIOMASS 1.19
 BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 3.04

NERITIC PLANKTON ANALYSIS

SITE TABLE, PAGE 1

 * SITE SUMMARY *

 IDENTIFICATION 80JN25
 STATION 13004 - CDW POINT BS/PS
 FROM SAMPLES 0 1 0 2

 SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGORNOT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	CCEF.VAR
SAMPLE VOLUME (M**3)	7.80	7.80-	0	0
TOTAL WET WEIGHT (PER M**3)	.007	.007-	.001	.153
TOTAL ABUNDANCE (PER M**3)	154.87	150.26-	6.53	.04
SAMPLE WET WEIGHT (PER M**3)	.008	.006-	0	0
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES		
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN- DANCE	BIC- MASS
HYDRIDA			1.5	.8	1.5 -	1.1	.000	.000	NEG.-	.00	.0000	0	.50	.35
OPISTHOBRANCHIA	K		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.17	.35
CALANUS SP.	7		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.17	.35
PSEUDOCALANUS SP.	F		4.6	2.3	2.1 -	.4	.000	.000	NEG.-	0	.0000	.0000	1.49	.70
CENTROPAGES ABDOMINALIS	AF		26.2	13.1	11.3 -	2.5	.002	.001	NEG.-	.00	.0001	.0000	8.44	10.45
EURYTEMORA AMERICANA	A		71.3	35.6	34.9 -	1.1	.003	.001	.001-	.00	.0000	.0000	23.01	17.42
EPILABIDOCERA AMPHITRITES	BL		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.17	.35
ACARTIA CLAUSI	F		12.8	6.4	4.6 -	2.5	.000	.000	NEG.-	0	.0000	.0000	4.14	.70
ACARTIA LONGIREMIS	AB		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.17	.35
ACARTIA TONSA	8		6.7	3.3	1.0 -	3.3	.000	.000	NEG.-	0	.0000	.0000	2.15	.70
BALANOMORPHA	AC		155.4	77.7	73.3 -	6.2	.004	.002	.002-	.00	.0000	.0000	50.17	24.39
MYSIDACEA-MYSIDA	2		4.1	2.1	1.5 -	.7	.002	.001	NEG.-	.00	.0000	.0000	1.32	13.64
NEOMYSIS MERCEDIS	7		.5	.3	.5 -	.4	.001	.001	.001-	.00	.0000	0	.17	6.97
LEUCON SP	7		5.1	2.6	2.6 -	0	.000	.000	NEG.-	0	.0000	0	1.66	.70
CUMELLA SP.	7		13.8	6.9	5.6 -	1.8	.001	.001	NEG.-	0	.0001	.0000	4.47	6.97
ANISOGAMMARUS SP.	A		1.5	.8	.5 -	.4	.000	.000	NEG.-	0	.0001	.0000	.50	.70
SAGITTA SP.	7		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.17	.35
TELEDSTEI	7		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.17	.35
GOBIIDAE	+EGG		3.1	1.5	3.1 -	2.2	.002	.001	.002-	.00	.0000	0	.99	13.94
	6				3.1				.002					

TOTAL NUMBER OF PLANKTON CATEGORIES 19

 SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.32
 BIOMASS 3.05
 BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.20

NERITIC PLANKTON ANALYSIS

SITE TABLE, PAGE 1

 * SITE SUMMARY *

 IDENTIFICATION 80JY08
 STATION 13004 - CDW POINT BS/PS
 FROM SAMPLES 0 1 0 2

 SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGORNOT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	11.50	11.50-	0	0
TOTAL WET WEIGHT (PER M**3)	.003	.003-	.000	.017
TOTAL ABUNDANCE (PER M**3)	50.30	42.96-	10.39	.21
SAMPLE WET WEIGHT (PER M**3)	.004	.003-	.001	.202
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	BIC-PASS
HYDROIDA			.1	.0	.1 -	.1	.000	NEG.-	.00	.0000	0	.09	.15	
PODON SP.	K		.5	.3	.1 -	.1	.000	NEG.-	0	.0000	.0000	.52	.30	
CALANUS SP.	B		.2	.1	.1 -	0	.000	NEG.-	0	.0000	0	.17	.30	
PSEUDOCALANUS SP.	F		.3	.2	.1 -	0	.000	NEG.-	0	.0000	0	.25	.30	
CENTROPAGES ABDOMINALIS	B		.3	.2	.2 -	0	.000	NEG.-	0	.0000	0	.25	.30	
EURYTEMORA AMERICANA	BC		12.5	6.3	.2 -	2.3	.000	NEG.-	0	.0000	.0000	12.45	7.45	
ACARTIA CLAUSI	ALB		.2	.1	.1 -	0	.000	NEG.-	0	.0000	0	.17	.30	
ACARTIA TONSA	B		1.6	.8	.1 -	.6	.000	NEG.-	0	.0000	.0000	1.56	.30	
BALANOMORPHA	AB		76.5	39.3	.2 -	7.7	.002	NEG.-	.00	.0000	.0000	76.05	29.94	
MYSIDACEA-MYSIDA	2E		2.2	1.1	.1 -	.2	.000	NEG.-	.00	.0000	.0000	2.16	7.45	
ACANTHOMYSIS MACROPSIS	7		.2	.1	.2 -	.1	.000	NEG.-	.00	.0000	0	.17	1.50	
NEOMYSIS INTEGER	7		.3	.1	.2 -	.2	.000	NEG.-	.00	.0000	0	.26	5.95	
LEUCON SP	C		1.0	.5	.3 -	.1	.000	NEG.-	.00	.0000	.0001	1.04	1.65	
CUMELLA SP.	7		1.4	.7	.6 -	.1	.000	NEG.-	0	.0000	.0000	1.38	2.95	
CYCLOPHIUM SP.	AB		.3	.2	.1 -	.1	.000	NEG.-	0	.0000	.0000	.35	.30	
ANISOGAMMARUS SP.	7		.3	.1	.3 -	.2	.000	NEG.-	.00	.0000	0	.26	.15	
ENGRAULIS MORDAX	7		.1	.0	.3 -	.1	.000	NEG.-	.00	.0000	0	.09	.15	
ENGRAULIS MORDAX	+EGG		.1	.0	.1 -	.1	.001	NEG.-	.00	.0000	0	.09	8.68	
GDBIIDAE	6		.5	.3	.1 -	0	.002	NEG.-	.00	.0000	.0026	.52	31.44	
	6				.3 -			.001						

TOTAL NUMBER OF PLANKTON CATEGORIES 19

 SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.30
 BIOMASS 2.72
 BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.18

* SITE SUMMARY *

IDENTIFICATION 80JY22
STATION 13004 - COW POINT BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGGRNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CURIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	16.20	16.20-	0	0
TOTAL WET WEIGHT (PER M**3)	.288	.209- .366	.111	.386
TOTAL ABUNDANCE (PER M**3)	71.05	57.04- 85.06	19.82	.28
SAMPLE WET WEIGHT (PER M**3)	.288	.209- .367	.112	.389
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BICMASS		PERCENTAGES		
			* TOTAL	MEAN	RANGE	S.D.	* TCTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABLN-DANCE	BIC-MASS
HYDROIDA			.2	.1	.2 -	.2	.000	.000	NEG.-	.00	.0001	0	.17	.00
PDDON SP.	K		3.7	1.9	.2 1.7 -	.2	.000	.000	NEG.-	0	.0000	.0000	2.61	.01
PSEUDOCALANUS SP.	L		.2	.1	.2 -	.2	.000	.000	NEG.-	.00	.0001	0	.17	.00
CENTROPAGES ABDOMINALIS	B		.7	.4	.2 .7 -	.5	.000	.000	NEG.-	.00	.0000	0	.52	.00
DIATOMUS SP.	C		.2	.1	.2 -	.2	.000	.000	NEG.-	.00	.0001	0	.17	.00
EURYTEMORA AMERICANA	C		4.7	2.3	.2 1.0 -	1.9	.000	.000	NEG.-	0	.0000	.0000	3.30	.01
EPILABIDOCERA AMPHITRITES	BL		.5	.2	.2 3.7 -	0	.000	.000	NEG.-	.00	.0000	.0000	.35	.05
ACARTIA CLAUSI	F8		1.0	.5	.2 1.0 -	.7	.000	.000	NEG.-	.00	.0000	0	.70	.00
ACARTIA TONSA	B		13.1	6.5	1.0 5.4 -	1.6	.000	.000	NEG.-	0	.0000	.0000	9.21	.09
BALANOMORPHA	B		103.2	51.6	7.7 39.3 -	17.5	.002	.001	NEG.-	.00	.0000	.0000	72.62	.39
MYSIDACEA-MYSIDA	2		1.2	.6	.5 64.0 -	.2	.000	.000	NEG.-	.00	.0002	.0002	.87	.05
ACANTHOMYSIS MACROPSIS	7		.2	.1	.2 .7 -	.2	.002	.001	NEG.-	.00	.0000	0	.17	.39
NEOMYSIS INTEGER	8		.9	.4	.2 .5 -	.1	.021	.010	NEG.-	.00	.0252	.0124	.61	3.61
CUMELLA SP.	LCB		1.0	.5	.2 .7 -	.3	.000	.000	NEG.-	0	.0001	.0000	.70	.01
BOPYRIDA	B		1.0	.5	1.0 1.0 -	.7	.000	.000	NEG.-	.00	.0000	0	.70	.00
COROPHIUM SP.	7		1.5	.7	.2 1.2 -	.7	.000	.000	NEG.-	.00	.0002	.0001	1.04	.05
CRANGONIDAE	3		1.2	.6	.2 1.0 -	.5	.000	.000	NEG.-	.00	.0002	.0001	.87	.05
CRANGON FRANCISCORUM	3		.7	.4	.4 1.0 -	0	.544	.272	NEG.-	.11	.7340	.3082	.52	54.55
PINNOOTHERIDAE	8LC		.2	.1	.4 .2 -	.2	.000	.000	NEG.-	.00	.0001	0	.17	.00
TELEOSTEI	3		.5	.2	.2 .5 -	.2	.000	.000	NEG.-	.00	.0001	0	.35	.00
ENGRAULIS MORDAX	+EGG		3.0	1.5	.5 2.5 -	1.4	.000	.000	NEG.-	.00	.0001	.0000	2.09	.05
GOBIIDAE	+EGG		3.0	1.5	1.0 2.0 -	.7	.004	.002	NEG.-	.00	.0018	.0018	2.09	.05

TOTAL NUMBER OF PLANKTON CATEGORIES 22

SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.78
BIOMASS .40
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.59

* SITE SUMMARY *

IDENTIFICATION 80AU06
STATION 13004 - COW POINT BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNDT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	13.10	13.10-	0	0
TOTAL WET WEIGHT (PER M**3)	.297	.140- .453	.221	.746
TOTAL ABUNDANCE (PER M**3)	65.84	65.57- 66.11	.38	.01
SAMPLE WET WEIGHT (PER M**3)	.297	.140- .453	.221	.745
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	* NUMBERS/M**3			S.D.	* WET WEIGHT, GRAMS/M**3			S.D.	* AVG. BICPASS		* PERCENTAGES	
			* TOTAL	MEAN	RANGE		* TOTAL	MEAN	RANGE		* MEAN	S.D.	* ABUN- DANCE	BIC- PASS
CORDYLOPHORA SP.	D		.6	.3	.3 -	0	.000	.000	NEG.-	0	.0001	0	.46	.01
DPISTHOBRANCHIA	7		.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.46	.01
BIVALVIA	C		.3	.2	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.23	.01
PADDON SP.	L		.3	.2	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.23	.01
COPEPODA	2		.3	.2	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.23	.01
PSEUDOCALANUS SP.	8		1.8	.9	.9 -	0	.000	.000	NEG.-	0	.0000	0	1.36	.01
CENTROPAGES ABDOMINALIS	8		.3	.2	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.23	.01
EURYTEMORA AMERICANA	8L		45.8	22.9	20.2 -	3.9	.002	.001	NEG.-	.00	.0000	.0000	34.78	.26
EPILABIODCERA AMPHITRITES	F		.3	.2	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.23	.01
ACARTIA CLAUSI	8		.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.46	.01
ACARTIA TONSA	AB		10.7	5.3	4.0 -	1.9	.000	.000	NEG.-	.00	.0000	.0000	8.12	.06
BALANOMORPHA	2E		48.9	24.4	22.3 -	3.0	.001	.000	NEG.-	.00	.0000	.0000	37.10	.15
MYSIDACEA-MYSIDA	7		8.2	4.1	3.1 -	1.5	.004	.002	NEG.-	.00	.0004	.0003	6.26	.62
NEOMYSIS MERCEDIS	8		.3	.2	.3 -	.2	.014	.007	.014-	.01	.0450	0	.23	2.32
NEOMYSIS INTEGER	L		.3	.2	.3 -	.2	.013	.006	.013-	.01	.0420	0	.23	2.16
LAMPROPS SP.	8		.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	.0000	.93	.01
LEUCON SP	C		1.2	.6	.9 -	.4	.000	.000	NEG.-	0	.0001	.0000	.93	.01
CUMELLA SP.	8		4.6	2.3	2.1 -	.2	.000	.000	NEG.-	0	.0000	.0000	3.48	.01
COROPHIUM SP.	7		1.2	.6	1.2 -	.9	.000	.000	NEG.-	.00	.0000	0	.93	.01
COROPHIUM SALMONIS	C		.3	.2	.3 -	.2	.000	.000	NEG.-	.00	.0010	0	.23	.05
CRANGONIDAE	3		.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.46	.01
CRANGON FRANCISCORUM	AC		1.0	.5	.2 -	.4	.557	.275	.120-	.22	.5465	.0333	.75	53.91
PINNOTHERIDAE	3		.3	.2	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.23	.01
NEMATOCERA	6		.3	.2	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.23	.01
ENGRAULIS MORDAX	+-EGG		.9	.5	.3 -	.2	.000	.000	NEG.-	0	.0001	.0000	.70	.01
GOBIIDAE	6		1.2	.6	.3 -	.4	.002	.001	NEG.-	.00	.0011	.0013	.93	.31

TOTAL NUMBER OF PLANKTON CATEGORIES 26

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.53
BIOMASS .47
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.31

IDENTIFICATION 80AU25
 STATION 13004 - CDW POINT BS/PS
 FROM SAMPLES C 1 0 2

SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGORNOT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	9.20	9.20-9.20	0	0
TOTAL WET WEIGHT (PER M**3)	.219	.017-.421	.286	1.304
TOTAL ABUNDANCE (PER M**3)	237.66	227.83-247.50	13.91	.06
SAMPLE WET WEIGHT (PER M**3)	.222	.024-.419	.279	1.262
SAMPLE DRY WEIGHT (PER M**3)	0	C-	0	C

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				* AVG. BICMASS		* PERCENTAGES	
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN-DANCE	BIC-MASS
HYDROIDA			3.5	1.7	.9 - 2.6	1.2	.000	.000	NEG.-	0	.0000	.0000	.73	.02
TURBELLARIA	K		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	C	.09	.01
POLYCHAETA	C		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	0	.09	.01
SPIONIDAE	7		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	0	.09	.01
OLIGOCHAETA	6		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	C	.09	.01
MESOGASTROPODA	8		.4	.2	.4 - .4	.3	.000	.000	NFG.-	.00	.0001	C	.09	.01
BIVALVIA	7		.9	.4	.9 - .9	.6	.000	.000	NEG.-	.00	.0001	C	.18	.01
ARANEAE	7		2.2	1.1	2.2 - 2.2	1.5	.000	.000	NEG.-	.00	.0000	C	.46	.01
EVADNE SP.	C		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	C	.09	.01
PODON SP.	8		1.3	.7	1.3 - 1.3	.9	.000	.000	NEG.-	.00	.0000	0	.27	.01
CALANOIDA	8		12.2	6.1	5.7 - 6.5	.6	.000	.000	NEG.-	0	.0000	.0000	2.56	.02
CALANUS SP.	BLA		.9	.4	.9 - .9	.6	.000	.000	NEG.-	.00	.0001	C	.18	.01
PSEUDOCALANUS SP.	F		.9	.4	.9 - .9	.6	.000	.000	NEG.-	.00	.0001	0	.18	.01
CENTROPAGES ABDOMINALIS	8		13.9	7.0	6.1 - 7.8	1.2	.001	.000	NEG.-	.00	.0001	.0001	2.93	.21
EURYTEMORA AMERICANA	8		37.8	18.9	18.3 - 19.6	.9	.002	.001	NEG.-	.00	.0000	.0000	7.96	.40
EPILABIDOCERA AMPHITRITES	BL		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	0	.09	.01
ACARTIA CLAUSI	F		5.7	2.8	2.6 - 3.0	.3	.000	.000	NEG.-	.00	.0000	.0000	1.19	.02
ACARTIA LONGIREMIS	AB		3.5	1.7	1.3 - 2.2	.6	.000	.000	NEG.-	0	.0000	.0000	.73	.02
ACARTIA TONSA	8		.9	.4	.9 - .9	.6	.000	.000	NEG.-	.00	.0001	0	.18	.01
HARPACTICUS SP.	8		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	C	.09	.01
ZAUS SP.	L		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	0	.09	.01
THALESTRIDAE	8		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	0	.09	.01
HALICYCLOPS SP.	8		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	C	.09	.01
DITHONA SP.	8		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	0	.09	.01
BALANOMORPHA	8		360.9	180.4	168.7 - 192.2	16.6	.009	.004	NFG.-	.00	.0000	.0000	75.92	1.98
MYSIDACEA-MYSIDA	2E		.4	.2	.4 - .4	.3	.001	.001	NEG.-	.00	.0000	C	.09	.02
ACANTHOMYSIS MACROPSIS	C		1.7	.9	1.7 - 1.7	1.2	.000	.000	NEG.-	.00	.0000	0	.37	.10
NEOMYSIS MERCEDIS	C		1.3	.7	.9 - .9	.3	.001	.001	NEG.-	.00	.0000	.0000	.27	.08
LAMPROPS SP.	84		1.3	.7	.9 - .9	.3	.001	.001	NEG.-	.00	.0000	.0000	.27	.08
LEUCON SP.	A7		1.3	.7	.9 - .9	.3	.000	.000	NEG.-	0	.0001	.0000	.27	.02
CUMELLA SP.	87		2.2	1.1	1.7 - 1.7	.3	.000	.000	NEG.-	C	.0000	.0000	.46	.02
PANCOLUS CALIFORNIENSIS	8		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	C	.09	.01
BOPYRIDAE	8		2.2	1.1	2.2 - 2.2	1.5	.000	.000	NEG.-	.00	.0000	C	.46	.01
COORPHIUM SP.	7		1.7	.9	.4 - 1.3	.6	.000	.000	NEG.-	0	.0001	.0000	.37	.02
EDGAMMARUS CONFERVICOLLIS	7		2.6	1.3	.4 - 2.2	1.2	.001	.000	NEG.-	.00	.0002	.0002	.55	.21
EDGAMMARUS OCLAIRI	7		1.3	.7	.4 - .9	.3	.002	.001	NEG.-	.00	.0002	.0002	.27	.08
EUPHAUSIACEA	7C		3.9	2.0	.9 - 3.0	1.5	.000	.000	NEG.-	.00	.0001	.0001	.82	.11
CRANGON FRANCISCORUM	6		.4	.2	.4 - .4	.3	.397	.199	NEG.-	.28	.5140	0	.09	50.67
EPHYDRIDAE	8		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	C	.09	.10
DIKOPLEURA SP.	8		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	0	.09	.01
ENGRAULIS MORDAX	C		.1	.1	.1 - .1	.1	.003	.002	NEG.-	.00	.0020	0	.02	.79
SOBIIIDAE	6		2.2	1.1	.9 - 1.3	.3	.004	.002	NEG.-	C	.0001	.0000	.46	.59

TOTAL NUMBER OF PLANKTON CATEGORIES 42
 SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.72
 BIODIVERSITY INDEX BIOMASS .74
 BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.60

* SITE SUMMARY *

IDENTIFICATION 805E09
STATION 13004 - COW POINT BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	11.20	11.20-	0	0
TOTAL WET WEIGHT (PER M**3)	.105	.094-	.016	.153
TOTAL ABUNDANCE (PER M**3)	360.04	322.59-	52.97	.15
SAMPLE WET WEIGHT (PER M**3)	.069	.023-	.065	.944
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* PER	S.D.	* ABUN- DANCE	BIC- MASS
HYDROZOA			1.4	.7	1.4 -	1.0	.000	.000	NEG.-	.00	.0000	0	.20	.07
	K				1.4			NEG.						
HYDROIDA			3.2	1.6	3.2 -	2.3	.000	.000	NEG.-	.00	.0000	0	.45	.17
	K				3.2			NEG.						
MESOGASTRUPODA			.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0000	0	.05	.02
	7				.4			NEG.						
PARACALANUS SP.			2.9	1.4	2.9 -	2.0	.000	.000	NEG.-	.00	.0000	0	.40	.07
	B				2.9			NEG.						
PSEUDOCALANUS SP.			.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0000	0	.05	.02
	B				.4			NEG.						
CENTROPAGES ABDOMINALIS			38.9	19.5	18.6 -	1.3	.003	.001	.001-	0	.0000	.0000	5.41	1.26
	BA				20.4			.001						
EURYTEMORA AMERICANA			107.1	53.6	45.7 -	11.1	.003	.001	.001-	0	.0000	.0000	14.88	1.36
	BL				61.4			.001						
ACARTIA CLAUSI			6.8	3.4	2.5 -	1.3	.000	.000	NEG.-	.00	.0000	.0000	.94	.08
	B				4.3			NEG.						
ACARTIA LONGIREMIS			8.6	4.3	4.3 -	0	.000	.000	NEG.-	.00	.0000	.0000	1.19	.06
	BA				4.3			NEG.						
ACARTIA TONSA			6.2	4.1	2.5 -	2.3	.000	.000	NEG.-	.00	.0000	.0000	1.14	.06
	B				5.7			NEG.						
BALANOMORPHA			513.6	256.8	227.9 -	40.9	.014	.007	.006-	.00	.0000	.0000	71.32	6.78
	2E				285.7			.009						
MYSIDACEA-MYSIDA			10.0	5.0	4.3 -	1.0	.003	.001	.001-	.00	.0000	0	1.29	1.19
	7				5.7			.001						
ACANTHOMYSIS MACROPSIS			.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0000	0	.05	.02
	C				.4			NEG.						
NEOMYSIS MERCEDIS			1.4	.7	1.4 -	1.0	.010	.005	.010-	.01	.0070	0	.20	4.74
	B				1.4			.010						
NEOMYSIS INTEGER			.7	.4	.7 -	.5	.015	.007	.015-	.01	.0205	0	.10	6.94
	B				.7			.015						
LAMPROPS SP.			2.9	1.4	1.4 -	0	.000	.000	NEG.-	.00	.0000	.0000	.40	.08
	B7				1.4			NEG.						
LEUCON SP			5.7	2.9	1.4 -	2.0	.000	.000	NEG.-	.00	.0000	.0000	.79	.24
	BA				4.3			NEG.						
CUMELLA SP.			.7	.4	.7 -	.5	.000	.000	NEG.-	.00	.0000	0	.10	.02
	B7				.7			NEG.						
COROPHIUM SP.			3.9	2.0	1.1 -	1.3	.000	.000	NEG.-	.00	.0000	.0000	.55	.06
	7				2.9			NEG.						
EDGAMMARUS SP.			.7	.4	.7 -	.5	.000	.000	NEG.-	.00	.0000	0	.10	.02
	7				.7			NEG.						
CRANGON FRANCISCORUM			.2	.1	.1 -	0	.151	.076	.061-	.02	.0460	.2263	.02	71.82
	B				.1			.090						
PINNOTHERIDAE			.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0000	0	.05	.02
	3				.4			NEG.						
DIKOPLEURA SP.			.7	.4	.7 -	.5	.000	.000	NEG.-	.00	.0000	0	.10	.02
	C				.7			NEG.						
ENGRAULIS MORDAX			.3	.1	.3 -	.2	.009	.004	.009-	.01	.0320	0	.04	4.07
	6				.3			.009						
GDBIIDAE			.7	.4	.7 -	.5	.000	.000	.001-	.00	.0020	0	.10	.06
	6				.7			.001						

TOTAL NUMBER OF PLANKTON CATEGORIES 25

SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.59
BIOMASS 1.67
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.53

* SITE SUMMARY *

IDENTIFICATION 805E23
STATION 13004 - CDW POINT BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	CDEF.VAR
SAMPLE VOLUME (M**3)	11.40	11.40-	0	0
TOTAL WET WEIGHT (PER M**3)	.021	11.40 .017-	.005	.245
TOTAL ABUNDANCE (PER M**3)	76.89	.025 70.61-	8.87	.12
SAMPLE WET WEIGHT (PER M**3)	.040	83.16 .016-	.031	.782
SAMPLE DRY WEIGHT (PER M**3)	0	.062 0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BICMASS		PERCENTAGES		
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	BIC-MASS
HYDROIDA			.4	.2	.4 -	.2	.000	.000	NEG.-	.00	.0001	0	.23	.08
SPIONIDAE	K		.4	.2	.4 -	.2	.000	.000	NEG.-	.00	.0001	0	.23	.08
BIVALVIA	7		.7	.4	.4 -	0	.000	.000	NEG.-	0	.0001	0	.46	.17
POLYPHEMIDAE	7		.4	.2	.4 -	.2	.000	.000	NEG.-	.00	.0001	0	.23	.08
PSEUDOCALANUS SP.	8		.4	.2	.4 -	.2	.000	.000	NEG.-	.00	.0001	0	.23	.08
CENTROPAGES ABDOMINALIS	8		1.4	.7	.7 -	0	.000	.000	NEG.-	0	.0001	0	.91	.17
EURYTEMORA AMERICANA	8L		42.1	21.1	19.3 -	2.5	.001	.001	NEG.-	0	.0000	.0000	27.38	3.24
ACARTIA CLAUSI	AB		24.9	12.5	5.1 -	4.7	.000	.000	NEG.-	0	.0000	.0000	16.20	.17
HARPACTICOIDA	F		.4	.2	.4 -	.2	.000	.000	NEG.-	.00	.0001	0	.23	.08
SCOTTOLANA CANADENSIS	F		.7	.4	.7 -	.5	.000	.000	NEG.-	.00	.0001	0	.46	.08
TACHIDIUS TRIANGULARIS	8		.4	.2	.4 -	.2	.000	.000	NEG.-	.00	.0001	0	.23	.08
CLETODIDAE	C		.4	.2	.4 -	.2	.000	.000	NEG.-	.00	.0001	0	.23	.08
THALESTRIDAE	8		.7	.4	.7 -	.5	.000	.000	NEG.-	.00	.0001	0	.46	.08
BALANOMORPHA	2E		62.5	31.2	28.1 -	4.5	.001	.001	NEG.-	.00	.0000	.0000	40.62	2.51
MYSIDACEA-MYSIDA	7		.4	.2	.4 -	.2	.000	.000	NEG.-	.00	.0001	0	.23	.08
NEOMYSIS MERCEDES	A		1.4	.7	1.4 -	1.0	.004	.002	.004-	.00	.0025	0	.91	8.35
NEOMYSIS INTEGER	78		1.2	.6	1.2 -	.9	.004	.002	.004-	.00	.0031	0	.80	5.15
LEUCON SP.	8A		9.8	4.9	3.9 -	1.5	.001	.001	NEG.-	.00	.0001	.0000	6.35	2.51
CUMELLA SP.	8		1.8	.9	.4 -	.7	.000	.000	NEG.-	0	.0001	.0001	1.14	.17
BOPYRIDAE	C6		.7	.4	.4 -	0	.000	.000	NEG.-	0	.0001	0	.46	.17
COROPHIUM SP.	7		1.1	.5	.4 -	.2	.000	.000	NEG.-	0	.0001	.0000	.68	.17
PONTOGENEIA SP.	7		.4	.2	.4 -	.2	.000	.000	NEG.-	.00	.0001	0	.23	.08
EDGAMMARUS SP.	7		.7	.4	.4 -	0	.000	.000	NEG.-	0	.0001	0	.46	.17
DIPTERA-CHIRONOMIDAE	8		.4	.2	.4 -	.2	.000	.000	NEG.-	.00	.0001	0	.23	.08
TELEOSTEI	+-EGG		.4	.2	.4 -	.7	.000	.000	NEG.-	.00	.0001	0	.23	.08
ENGRAULIS MORDAX	6		.3	.1	.1 -	.1	.030	.015	.011-	.01	.1160	.0141	.17	71.85

TOTAL NUMBER OF PLANKTON CATEGORIES 26

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.43
BICMASS 1.61
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.24

* SITE SUMMARY *

IDENTIFICATION 800C07
STATION 13004 - COW POINT BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNDT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	9.70	9.70-	0	0
TOTAL WET WEIGHT (PER M**3)	.015	9.70 .015-	.001	.046
TOTAL ABUNDANCE (PER M**3)	134.72	76.13- 193.30	82.05	.61
SAMPLE WET WEIGHT (PER M**3)	.017	.016- .018	.001	.085
SAMPLE DRY WEIGHT (PER M**3)	0	0- 0	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGE	
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-
HYDRDIDA			1.2	.6	1.2 -	.9	.000	.000	NEG.-	.00	.0000	0	.46
PODDN SP.	K		.2	.1	1.2 .2 -	.1	.000	.000	NEG.-	.00	.0001	0	.08
PSEUDOCALANUS SP.	8		1.6	.8	1.6 -	1.2	.000	.000	NEG.-	.00	.0001	0	.61
CENTROPAGES ABDOMINALIS	8		.2	.1	1.6 .2 -	.1	.000	.000	NEG.-	.00	.0001	C	.08
EURYTEMORA AMERICANA	C		158.8	79.4	115.5 43.3 -	51.0	.002	.001	NEG.-	.00	.0000	.0000	58.92 5
ACARTIA CLAUSI	AL		16.3	8.1	14.8 1.4 -	9.5	.000	.000	NEG.-	.00	.0000	.0000	6.05
ACARTIA LONGIREMIS	8		.2	.1	14.8 .2 -	.1	.000	.000	NEG.-	.00	.0001	C	.08
ACARTIA TONSA	C		1.0	.5	1.0 -	.7	.000	.000	NEG.-	.00	.0000	0	.38
BALANOMORPHA	C		50.1	25.1	1.0 15.5 -	13.6	.001	.000	NEG.-	.00	.0000	.0000	18.60 1
MYSIDACEA-MYSIDA	2		10.9	5.5	34.6 4.3 -	1.6	.002	.001	NEG.-	.00	.0002	.0000	4.06 8
ACANTHOMYSIS MACROPSIS	7		2.1	1.0	6.6 .2 -	1.2	.004	.002	.001-	.00	.0034	.0023	.77 14
NEOMYSIS INTEGER	87		.2	.1	1.9 .2 -	.1	.002	.001	.003 .002-	.00	.0000	C	.08
LAMPROPS SP.	8		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.08
LEUCON SP	C		15.3	7.6	2 5.4 -	3.2	.001	.000	NEG.-	.00	.0000	.0000	5.66
CUMELLA SP.	AC		6.0	3.0	9.9 1.0 -	2.8	.000	.000	NEG.-	.00	.0000	.0000	2.22
CORDPHIUM SP.	87		2.5	1.2	4.9 .8 -	.6	.000	.000	NEG.-	.00	.0001	.0001	.62
EOGAMMARUS SP.	7		2.1	1.0	1.6 .4 -	.9	.000	.000	NEG.-	.00	.0001	.0000	.77
CAPRELLA CALIFORNICA	7		.2	.1	.2 -	.1	.001	.000	NEG.-	.00	.0000	C	.08
PINNOTHERIDAE	8		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	C	.08
ENGRAULIS MORDAX	3		.1	.1	.2 .1 -	.1	.008	.004	NEG.-	.01	.0000	0	.04 2
DSMERIDAE	6		.1	.0	.1 -	.0	.000	.004	.008 .008-	.01	.0000	C	.02 2

TOTAL NUMBER OF PLANKTON CATEGORIES 21

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.03
BIOPASS 2.84
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.93

* SITE SUMMARY *

IDENTIFICATION 800C21
STATION 13004 - COW POINT BS/PS
FRGM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED * NG
LH-STAGE * EGGNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS APE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	12.10	12.10-	0	0
TOTAL WET WEIGHT (PER M**3)	.015	.009- .021	.009	.587
TOTAL ABUNDANCE (PER M**3)	227.77	68.10- 387.44	225.81	.99
SAMPLE WET WEIGHT (PER M**3)	.015	.006- .022	.010	.643
SAMPLE DPY WEIGHT (PER M**3)	0	0- 0	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN-DANCE	BIC-MASS
HYDROIDA			2.8	1.4	1.3 -	.1	.000	.000	NEG.-	.00	.0001	.0001	.62	.49
	K				1.5				NEG.					
POLYNOIDA			.3	.2	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.07	.05
	6				.2				NEG.					
SPIDNIDAE			3.0	1.5	.3 -	1.6	.000	.000	NFG.-	.00	.0001	0	.65	.49
	6				2.6				NFG.					
PODON SP.			1.8	.9	.5 -	.6	.000	.000	NEG.-	.00	.0001	.0000	.40	.49
	LB				1.3				NEG.					
PSEUDOCALANUS SP.			.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.04	.05
	B				.2				NFG.					
CENTROPAGES ABDOMINALIS			2.3	1.2	1.0 -	.2	.000	.000	NEG.-	.00	.0001	.0001	.51	.49
	AF				1.3				NEG.					
EURYTEMORA AMERICANA			103.6	51.8	21.7 -	42.7	.002	.001	NEG.-	.00	.0000	.0000	22.75	7.64
	LA				82.0				.001					
EPILABIDOCERA AMPHITRITES			1.7	.8	.3 -	.7	.000	.000	NFG.-	.00	.0001	.0000	.36	.49
	F				1.3				NFG.					
ACARTIA CLAUSI			276.5	136.3	25.3 -	159.8	.006	.003	NFG.-	.00	.0000	.0000	60.70	19.10
	B				251.2				.005					
ACARTIA LONGIREMIS			.5	.2	.5 -	.4	.000	.000	NEG.-	.00	.0000	0	.11	.05
	B				.5				NEG.					
ACARTIA TONSA			2.6	1.3	2.6 -	1.9	.000	.000	NEG.-	.00	.0001	0	.58	.44
	B				2.6				NEG.					
HARPACTICOIDA			.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.04	.05
	C				.2				NEG.					
ZAUS SP.			.3	.2	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.07	.05
	BF				.3				NEG.					
HUNTEMANIA JADENSIS			1.3	.7	1.3 -	.9	.000	.000	NEG.-	.00	.0001	0	.29	.44
	B				1.3				NEG.					
HALICYCLOPS SP.			.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.04	.05
	B				.2				NFG.					
BALANOMORPHA			37.7	18.8	7.3 -	16.4	.000	.000	NEG.-	.00	.0000	.0000	8.27	.98
	2E				30.4				NEG.					
MYSIDACEA-MYSIDA			1.3	.7	1.3 -	.9	.000	.000	NEG.-	.00	.0004	0	.29	1.64
	7				1.3				NEG.					
ACANTHOMYSIS MACROPSIS			4.8	2.4	.8 -	2.2	.014	.007	NFG.-	.01	.0019	.0021	1.05	44.76
	7L				4.0				.013					
NEOMYSIS MERCEDIS			.5	.2	.5 -	.4	.001	.000	NEG.-	.00	.0020	0	.11	3.28
	7				.5				NEG.					
NEOMYSIS INTEGER			.2	.1	.2 -	.1	.005	.002	.005-	.00	.0290	0	.04	15.82
	L				.2				.005					
LEUCON SP			6.9	3.5	3.0 -	.7	.000	.000	NEG.-	.00	.0001	.0001	1.52	1.53
	AC				4.0				NFG.					
CUMELLA SP.			1.7	.8	.3 -	.7	.000	.000	NEG.-	.00	.0001	.0000	.36	.49
	C				1.3				NEG.					
ISOPODA			1.3	.7	1.3 -	.9	.000	.000	NEG.-	.00	.0000	0	.29	.05
	6				1.3				NEG.					
COROPHIUM SP.			.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.04	.05
	7				.2				NFG.					
EDGAMMARUS SP.			2.1	1.1	.8 -	.4	.000	.000	NEG.-	.00	.0001	.0001	.47	.49
	7				1.3				NEG.					
EUPHAUSIACEA			1.3	.7	1.3 -	.9	.000	.000	NEG.-	.00	.0001	0	.29	.44
	2				1.3				NFG.					
SAGITTA SP.			.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.04	.05
	C				.2				NEG.					

TOTAL NUMBER OF PLANKTON CATEGORIES 27

SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.84
BIOMASS 2.52
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.76

Appendix 6-3. Neritic Zooplankton
Analysis Tables for:

MOON ISLAND
March 19 - October 21, 1980

LIFE HISTORY STAGE CODES

0 - Unstaged	I - Protozoa
1 - Egg	J - Juvenile
2 - Nauplius	K - Medusa
3 - Zoea	L - Egg-bearing female
4 - Megalops	M - Egg case
5 - Veliger	P - Unidentified (part)
6 - Larva	Q - Immature
7 - Juvenile	R - Subadult
8 - Adult	S - Trochophore
9 - Larva + Juv. + Adult	T - Subadult + Juv.
A - Juv. + Adult	U - Mating pair
B - Larva + Juv.	V - Mysis
C - Juv. or Adult	W - Colony
D - Polyp	X - Cyphonautes
E - Cypris	Y - Glaucothoe
F - Copepodid	+ - Egg
G - Pupa	* - All non-egg stages pooled
H - Nymph	

* SITE SUMMARY *

IDENTIFICATION BOMR19
STATION 13005 - MOON ISLAND BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGCRNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	13.10	13.10-	0	0
TOTAL WET WEIGHT (PER M**3)	.057	.032- .083	.036	.625
TOTAL ABUNDANCE (PER M**3)	119.39	106.67- 131.91	17.70	.15
SAMPLE WET WEIGHT (PER M**3)	.066	.037- .096	.042	.632
SAMPLE DRY WEIGHT (PER M**3)	0	0- 0	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- DANCE	BIC- MASS
HYDROIDA			.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0000	0	.26	.05
CORDYLOPHORA SP.	+EGG		2.4	1.2	.6 - 2.4	1.7	.000	.000	NEG.-	.00	.0000	0	1.02	.05
POLYNOIDAE	D		3.1	1.5	.6 - 2.4	1.3	.000	.000	NEG.-	.00	.0001	.0000	1.26	.16
GASTROPODA	7		1.2	.6	1.2 -	.9	.000	.000	NEG.-	.00	.0001	0	.51	.11
BIVALVIA	+EGG		1.2	.6	1.2 -	.9	.000	.000	NEG.-	.00	.0001	0	.51	.05
CALANOIDA	7		.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.26	.05
CALANUS SP.	C		4.9	2.4	.6 - 3.7	1.7	.001	.000	NEG.-	.00	.0001	.0000	2.05	.64
CALANUS PLUMCHRUS	F		4.3	2.1	.6 - 3.7	2.2	.003	.002	NEG.-	.00	.0006	.0002	1.79	2.66
PARACALANUS SP.	F		1.2	.6	1.2 -	.9	.000	.000	NEG.-	.00	.0001	0	.51	.05
METRIDIA SP.	8		2.4	1.2	1.2 -	0	.000	.000	NEG.-	.00	.0001	.0000	1.02	.05
CENTROPAGES ABDOMINALIS	C		2.4	1.2	1.2 -	1.7	.000	.000	NEG.-	.00	.0000	0	1.02	.05
EURYTEMORA AMERICANA	A		5.5	2.7	1.8 - 3.7	1.3	.000	.000	NEG.-	.00	.0000	0	2.30	.16
ACARTIA CLAUDI	8		92.8	46.4	29.3 - 63.5	24.2	.004	.002	NEG.-	.00	.0000	.0000	38.87	3.20
CORYCAEUS ANGLICUS	8A		1.2	.6	1.2 -	.9	.000	.000	NEG.-	.00	.0001	0	.51	.11
ACANTHOMYSIS MACROPSIS	L		12.8	6.4	1.2 - 6.7	.4	.040	.020	NEG.-	.01	.0001	.0010	5.27	25.16
ARCHAEMYSIS GREBNITZKII	A		11.6	5.8	4.9 - 6.7	1.3	.005	.002	NEG.-	0	.0004	.0001	4.86	4.26
NEMYSIS INTEGER	C		2.7	1.8	1.2 - 2.4	.9	.045	.022	NEG.-	.03	.0009	.0007	1.52	28.89
LAMPROPIDAE	AC		.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.26	.05
LEUCON SP.	7		17.7	8.9	.6 - 9.2	.4	.002	.001	NEG.-	0	.0001	.0000	7.42	2.12
CUMELLA SP.	AL		9.8	4.9	3.7 - 6.1	1.7	.001	.000	NEG.-	.00	.0001	.0001	4.09	.64
CORDOPHIUM SP.	8L		1.2	.6	1.2 -	.9	.000	.000	NEG.-	.00	.0001	0	.51	.11
EGGAMMARUS CONFERVICOLUS	7		1.8	.9	1.2 - 1.8	1.3	.001	.000	NEG.-	.00	.0003	0	.77	.52
HIPPOLYTIDAE	7		.6	.3	.6 -	.4	.001	.000	NEG.-	.00	.0001	0	.26	.05
CRANGONIDAE	3		41.5	20.8	.6 - 20.8	0	.008	.004	NEG.-	.00	.0002	.0000	17.39	6.93
UPDEGBIA PUGETTENSIS	34		4.9	2.4	1.2 - 3.7	1.7	.001	.001	NEG.-	.00	.0002	.0002	2.05	1.17
DIPTERA-CHIRONMIDAE	34		.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.26	.05
SAGITTA ELEGANS	6		3.1	1.5	.6 - 3.1	2.2	.002	.001	NEG.-	.00	.0006	0	1.28	1.60
TELEDSTEI	A		1.8	.9	1.2 - 1.8	.4	.000	.000	NEG.-	.00	.0001	0	.77	.16
TELEDSTEI	+EGG		.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.26	.05
OSMERIDAE	6		1.2	.6	1.2 -	.9	.000	.000	NEG.-	.00	.0001	0	.51	.11
UNIDENTIFIED EGG	6		1.2	.6	1.2 - 1.2	.9	.000	.000	NEG.-	.00	.0001	0	.51	.11

TOTAL NUMBER OF PLANKTON CATEGORIES 31

SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.30

* SITE SUMMARY *

IDENTIFICATION 80AP01
STATION 13005 - MOON ISLAND BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNDT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	7.50	7.50-	0	0
TOTAL WET WEIGHT (PER M**3)	.026	.025- .027	.002	.069
TOTAL ABUNDANCE (PER M**3)	72.13	70.93- 73.33	1.70	.02
SAMPLE WET WEIGHT (PER M**3)	.026	.026-	.001	.022
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				* AVE. BICMASS		* PERCENTAGES	
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABLN-DANCE	* BIC-MASS
CNIDARIA			3.3	1.7	3.3 -	2.4	.000	.000	NEG.-	.00	.0001	C	2.31	.52
HYDROZEA	K		6.8	4.4	3.3 - 8.8	6.2	.001	.000	NEG.-	.00	.0001	0	6.10	1.00
CTENOPHORA			.3	.1	.3 -	.2	.000	.002	.003	.00	.0120	0	.18	6.19
POLYCHAETA	C		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0001	C	.09	.00
POLYNOIDAE	C		.5	.3	.1 - .3	0	.000	.000	NEG.-	.00	.0001	.0000	.37	.00
SPIONIDAE	7C		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0001	0	.09	.00
MESOGASTROPODA	6		.5	.3	.1 - .5	.4	.000	.000	NEG.-	.00	.0000	C	.37	.00
CALANUS SP.	6		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0001	0	.09	.00
PARACALANUS SP.	C		.3	.1	.1 - .3	.2	.000	.000	NEG.-	.00	.0001	C	.18	.00
PSFUDDCALANUS SP.	C		1.5	.7	.5 -	.3	.000	.000	NEG.-	.00	.0000	.0000	1.02	.00
CENTROPAGES ABDOMINALIS	C8L		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0000	C	.37	.00
EURYTEMORA AMERICANA	LCB		9.6	4.8	4.0 - 5.6	1.1	.001	.000	NEG.-	.00	.0001	.0000	6.65	1.61
ACARTIA CLAUSI	C		37.5	18.7	17.6 - 19.9	1.6	.002	.001	.001	.00	.0001	.0000	25.97	3.61
BALANOMORPHA	2		1.2	.7	1.3 -	.9	.000	.000	NEG.-	.00	.0000	C	.92	.00
ACANTHOMYSIS MACROPSIS	L7A		34.5	17.3	15.2 - 19.3	2.9	.028	.014	.015	.00	.0000	.0001	23.94	54.19
LAMPROPS SP.	7		.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0001	C	.18	.00
LEUCON SP	87		.4	.2	.1 - .3	.1	.000	.000	NEG.-	.00	.0001	0	.28	.00
ISOPODA	C		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0001	C	.09	.00
BOPYRIDAE	C		1.1	.5	1.1 -	.8	.000	.000	NEG.-	.00	.0000	0	.74	.00
HIPPOLYTIDAE	3		.5	.3	.5 -	.4	.001	.000	NEG.-	.00	.0010	C	.37	1.00
CRANGONIDAE	3		27.6	13.8	10.6 - 16.8	4.2	.007	.004	.005	.00	.0000	.0000	19.13	13.94
UPDEGEBIA PUGETTENSIS	6		2.0	1.0	.7 - 1.3	.5	.002	.001	.001	.00	.0007	.0004	1.39	3.10
PINNOOTHERIDAE	3		2.3	1.1	1.1 - 1.2	.1	.000	.000	NEG.-	.00	.0000	.0000	1.57	.00
CHAETOGNATHA	C		.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0000	C	.18	.00
SAGITTA SP.	7		.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0010	C	.18	.52
TELEOSTEI	+-EGG		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0001	C	.09	.00
OSMERIDAE	6		1.2	.6	.5 - .7	.1	.005	.003	.004	.00	.0040	.0036	.83	10.00
COTTUS SP.	6		2.1	1.1	.8 - 1.3	.4	.001	.001	NEG.-	.00	.0000	.0000	1.48	2.58
UNIDENTIFIED EGG	+-EGG		6.9	3.5	3.5 - 3.5	0	.000	.000	NEG.-	.00	.0000	.0000	4.61	.31

TOTAL NUMBER OF PLANKTON CATEGORIES 29

SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.08
BICMASS 2.38
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.84

* SITE SUMMARY *

IDENTIFICATION BOAP15
STATION 13005 - MCON ISLAND PS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	8.80	8.80-8.80	0	0
TOTAL WET WEIGHT (PER M**3)	.196	.173-.220	.033	.167
TOTAL ABUNDANCE (PER M**3)	203.41	202.27-204.55	1.61	.01
SAMPLE WET WEIGHT (PER M**3)	.228	.221-.235	.010	.045
SAMPLE DRY WEIGHT (PER M**3)	0	0-0	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BICMASS		PERCENTAGES		
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	PEAK	S.D.	* ABLN- DANCE	* BIC- MASS
HYDROZOA			.9	.5	.9 - .9	.6	.000	.000	NEG.-	.00	.0001	0	.22	.01
CALANDIDA	K		1.8	.9	1.8 - .9	1.3	.000	.000	NEG.-	.00	.0000	0	.45	.01
CALANUS SP.	C		8.6	4.3	3.2 - 5.5	1.6	.004	.002	.002- .002	.00	.0005	.0001	2.12	1.04
PSEUDOCALANUS SP.	AC		1.8	.9	1.8 - 1.8	1.3	.000	.000	NEG.-	.00	.0000	0	.45	.01
CENTROPAGES ABDOMINALIS	C		5.0	2.5	2.3 - 2.7	.3	.001	.000	NEG.-	0	.0002	.0000	1.23	.23
EUPYTEMORA AMERICANA	AC		31.4	15.7	13.2 - 18.2	3.5	.002	.002	NEG.-	.00	.0001	.0000	7.71	.61
ACARTIA CLAUSI	LBC		4.1	2.0	4.1 - 4.1	2.9	.000	.000	NEG.-	.00	.0000	0	1.01	.01
ACARTIA LONGIREMIS	C		4.5	2.3	4.5 - 4.5	3.2	.000	.000	NEG.-	.00	.0001	0	1.12	.12
HARPACTICOIDA	C		.9	.5	.9 - .9	.6	.000	.000	NEG.-	.00	.0001	0	.22	.01
CYCLOPS SP.	C		4.5	2.3	.5 - 4.1	2.6	.001	.000	NEG.-	.00	.0001	.0000	1.12	.12
BALANOMORPHA	C		.5	.2	.5 - .5	.3	.000	.000	NEG.-	.00	.0001	0	.11	.01
ACANTHOMYSIS MACROPSIS	2		11.4	5.7	5.5 - 5.9	.3	.006	.004	.002- .005	.00	.0007	.0004	2.79	1.97
ARCHAEMYSIS GREBNITZKII	7		1.4	.7	1.4 - 1.4	1.0	.000	.000	NEG.-	.00	.0002	0	.34	.12
NEOMYSIS MERCEDIS	C		4.5	2.3	1.4 - 3.2	1.3	.014	.007	.002- .011	.01	.0026	.0013	1.12	3.47
LEUCON SP.	A7		115.0	57.5	55.9 - 59.1	2.2	.032	.017	.015- .018	.00	.0002	.0000	28.27	8.44
CUMELLA SP.	AL		167.3	83.6	77.3 - 90.0	9.0	.035	.017	.015- .020	.00	.0002	.0000	41.12	8.91
BOPYRIDAE	8LA		.5	.2	.5 - .5	.3	.000	.000	NEG.-	.00	.0001	0	.11	.01
COROPHIUM SP.	C		.9	.5	.9 - .9	.6	.000	.000	NEG.-	.00	.0001	0	.22	.01
COROPHIUM BREVIS	7		.9	.5	.9 - .9	.6	.000	.000	NEG.-	.00	.0005	0	.22	.12
COROPHIUM SALMONIS	7		1.8	.9	.9 - .9	0	.001	.001	NEG.-	.00	.0007	.0004	.45	.35
COROPHIUM SPINICORNE	7C		3.2	1.6	3.2 - 3.2	2.2	.005	.002	.005- .005	.00	.0016	0	.78	1.27
EDGAMMARUS CONFERVICOLUS	A		7.3	3.6	3.6 - 3.6	0	.004	.002	.001- .002	.00	.0005	.0002	1.79	.92
CRANGON SP.	7C		15.0	7.5	6.4 - 8.6	1.6	.015	.006	.006- .010	.00	.0010	.0001	3.69	3.93
CALLIANASSIDAE	73		.9	.5	.9 - .9	.6	.001	.000	NEG.-	.00	.0010	0	.22	.23
UPDEGEBIA PUGETTENSIS	3		.9	.5	.9 - .9	.6	.001	.000	NEG.-	.00	.0010	0	.22	.23
CANCER SP.	37		2.7	1.4	.9 - 1.8	.6	.147	.074	.042- .105	.04	.0520	.0085	.67	37.48
EPHEMEROPTERA	4		.5	.2	.5 - .5	.3	.000	.000	NEG.-	.00	.0001	0	.11	.01
SAGITTA SP.	H		5.0	2.5	1.4 - 3.6	1.6	.004	.002	.001- .002	.00	.0010	.0009	1.23	.93
TELEOSTEI	7C		.5	.2	.5 - .5	.3	.000	.000	NEG.-	.00	.0001	0	.11	.01
DSMERIDAE	6		.5	.2	.5 - .5	.3	.000	.000	NEG.-	.00	.0001	0	.11	.01
COTTUS SP.	6		1.4	.7	.5 - .5	.3	.000	.000	NEG.-	0	.0001	.0000	.34	.02
**NAME NOT FOUND (8842130200)	6		1.4	.7	.9 - .9	.3	.115	.057	NEG.- .115	.06	.0620	.0690	.34	29.16

TOTAL NUMBER OF PLANKTON CATEGORIES 32

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.77
BIOMASS 2.61

* SITE SUMMARY *

IDENTIFICATION 8CAP29
STATION 13005 - MOON ISLAND BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COFF. VAR
SAMPLE VOLUME (M**3)	4.70	4.70-	0	0
TOTAL WET WEIGHT (PER M**3)	.160	.099- 4.70 .222	.087	.543
TOTAL ABUNDANCE (PER M**3)	1920.00	1075.74- 2764.26	1193.96	.62
SAMPLE WET WEIGHT (PER M**3)	.143	.095- .191	.067	.471
SAMPLE DRY WEIGHT (PER M**3)	0	0- C	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			S.D.	WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
			* TOTAL	MEAN	RANGE		* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABLN-DANCE	BIC-PASS
HYDROZOA			112.3	56.2	37.4 -	26.5	.007	.003	.003-	0	.0001	.0000	2.93	2.12
	K				74.9			.003						
POLYCHAETA			3.4	1.7	3.4 -	2.4	.000	.000	NEG.-	.00	.0001	C	.09	.11
	E				3.4			NEG.						
POLYNOIDAE			13.6	6.8	13.6 -	9.6	.000	.000	NEG.-	.00	.0000	0	.35	.11
	C				13.6			NEG.						
MESOGASTROPODA			13.6	6.8	13.6 -	9.6	.003	.002	.003-	.00	.0003	0	.35	1.06
	7				13.6			.003						
CALANOIDA			6.8	3.4	6.8 -	4.8	.000	.000	NEG.-	.00	.0001	0	.18	.11
	F				6.8			NEG.						
CALANUS SP.			30.6	15.3	13.6 -	2.4	.007	.003	.003-	0	.0002	.0000	.60	2.12
	CA				17.0			.003						
PARACALANUS SP.			3.4	1.7	3.4 -	2.4	.000	.000	NEG.-	.00	.0001	C	.09	.11
	F				3.4			NEG.						
CLAUSOCALANUS PARAPERGENS			6.8	3.4	6.8 -	4.8	.000	.000	NEG.-	.00	.0001	0	.18	.11
	C				6.8			NEG.						
PSEUDOCALANUS SP.			40.9	20.4	20.4 -	0	.007	.003	.003-	C	.0002	C	1.06	2.12
	CA				20.4			.003						
CENTROPAGES ABDOMINALIS			10.2	5.1	3.4 -	2.4	.001	.000	NEG.-	C	.0001	.0000	.27	.21
	C				6.8			NEG.						
EURYTEMORA AMERICANA			1875.7	937.9	619.6 -	450.1	.140	.070	.048-	.03	.0001	.0000	48.85	43.52
	ALB				1256.2			.092						
ACARTIA SP.			3.4	1.7	3.4 -	2.4	.000	.000	NEG.-	.00	.0001	0	.09	.11
	C				3.4			NEG.						
ACARTIA CLAUSI			1470.6	735.3	238.3 -	702.9	.078	.039	.010-	.04	.0000	.0000	38.30	24.42
	A				1232.3			.068						
SCOTTOLANA CANADENSIS			3.4	1.7	3.4 -	2.4	.000	.000	NEG.-	.00	.0001	0	.09	.11
	C				3.4			NEG.						
ALIELTHA SP.			3.4	1.7	3.4 -	2.4	.000	.000	NEG.-	.00	.0001	0	.09	.11
	C				3.4			NEG.						
CORYCAEUS ANGLICUS			3.4	1.7	3.4 -	2.4	.000	.000	NEG.-	.00	.0001	0	.09	.11
	B				3.4			NEG.						
CYCLOPS VERNALIS			3.4	1.7	3.4 -	2.4	.000	.000	NEG.-	.00	.0001	0	.09	.11
	C				3.4			NEG.						
BALANIDMORPHA			66.1	34.0	17.0 -	24.1	.001	.000	NEG.-	C	.0000	.0000	1.77	.21
	2				51.1			NEG.						
MYSIDACEA-MYSIDA			3.4	1.7	3.4 -	2.4	.000	.000	NEG.-	.00	.0001	0	.09	.11
	7				3.4			NEG.						
ACANTHOMYSIS MACROPSIS			54.5	27.2	13.6 -	19.3	.044	.022	.010-	.02	.0000	.0001	1.42	13.80
	A7				40.9			.034						
NEOMYSIS MERCEDIS			3.4	1.7	3.4 -	2.4	.003	.002	.003-	.00	.0010	0	.09	1.06
	7				3.4			.003						
LEUCON SP.			13.6	6.8	3.4 -	4.8	.001	.000	NEG.-	0	.0001	.0000	.35	.21
	C7				10.2			NEG.						
CLMELLA SP.			34.0	17.0	10.2 -	9.6	.007	.003	.003-	C	.0002	.0001	.89	2.12
	B				23.8			.003						
BOPYRIDAE			10.2	5.1	10.2 -	7.7	.000	.000	NEG.-	.00	.0000	C	.27	.11
	C				10.2			NEG.						
EDGAMMARUS CONFERVICOLUS			10.2	5.1	10.2 -	7.7	.003	.002	.003-	.00	.0003	C	.27	1.06
	7				10.2			.003						
CRANGONIDAE			3.4	1.7	3.4 -	2.4	.003	.002	.003-	.00	.0010	0	.09	1.06
	7				3.4			.003						
SAGITTA SP.			6.8	3.4	3.4 -	0	.004	.002	NEG.-	.00	.0006	.0006	.18	1.17
	C7				3.4			.003						
DIKOPLEURA SP.			17.0	8.5	6.8 -	2.4	.001	.000	NEG.-	C	.0000	.0000	.44	.21
	C				10.2			NEG.						
COTTUS SP.			6.8	3.4	6.8 -	4.8	.007	.003	.007-	.00	.0010	0	.18	2.12
	E				6.8			.007						
UNIDENTIFIED EGG			3.4	1.7	3.4 -	2.4	.000	.000	NEG.-	.00	.0001	0	.09	.11
	+EGG				3.4			NEG.						

TOTAL NUMBER OF PLANKTON CATEGORIES 30

SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.91
BIOMASS 2.57
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.89

* SITE SUMMARY *

IDENTIFICATION 80MY15
STATION 13005 - MOON ISLAND BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	7.80	7.80-	0	0
TOTAL WET WEIGHT (PER M**3)	.073	.058-.089	.022	.303
TOTAL ABUNDANCE (PER M**3)	1089.23	773.33-1405.13	446.75	.41
SAMPLE WET WEIGHT (PER M**3)	.079	.066-.092	.019	.239
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN-DANCE	BIC-MASS
HYDROIDA			4.1	2.1	2.1 -	0	.006	.003	NEG.-	.00	.0016	.0021	.19	4.34
SPIONIDAE	KW		2.1	1.0	2.1 -	1.5	.000	.000	NEG.-	.00	.0001	0	.09	.14
MESOGASTROPODA	6		2.1	1.0	2.1 -	1.5	.000	.000	NEG.-	.00	.0001	0	.09	.14
BIVALVIA	7		2.1	1.0	2.1 -	1.5	.000	.000	NEG.-	.00	.0001	0	.09	.14
VENEROIDA	7		2.1	1.0	2.1 -	1.5	.000	.000	NEG.-	.00	.0001	0	.09	.14
COPEPODA			2.1	1.0	2.1 -	1.5	.000	.000	NEG.-	.00	.0001	0	.09	.14
CALANUS SP.	+EGG		6.2	3.1	2.1 -	1.5	.000	.000	NEG.-	0	.0001	.0000	.28	.28
PAPACALANUS SP.	F		4.1	2.1	4.1 -	2.9	.000	.000	NEG.-	.00	.0001	0	.19	.14
CENTROPAGES ABDOMINALIS	8		30.8	15.4	2.1 -	18.9	.002	.001	NEG.-	.00	.0001	.0000	1.41	1.54
EURYTEMJRA AMERICANA	AF		1460.5	730.3	28.7	313.3	.051	.026	.023-	.00	.0000	.0000	67.04	34.57
ACARTIA CLAUSI	AL		227.7	113.8	951.8	74.0	.006	.003	.029	.00	.0000	.0000	10.45	4.20
ACARTIA TONSA	8		2.1	1.0	2.1 -	1.5	.000	.000	.004	.00	.0001	0	.09	.14
NITOCRA SP.	8		2.1	1.0	2.1 -	1.5	.000	.000	NEG.-	.00	.0001	0	.09	.14
HUNTEMANIA JADENSIS	8		2.1	1.0	2.1 -	1.5	.000	.000	NEG.-	.00	.0001	0	.09	.14
BRYOCAMPTUS SP.	8		6.2	3.1	2.1 -	1.5	.000	.000	NEG.-	0	.0001	.0000	.28	.28
CYCLOPS VERNALIS	8C		2.1	1.0	2.1 -	1.5	.000	.000	NEG.-	.00	.0001	0	.09	.14
BALANOMORPHA	8		207.2	103.6	2.1	21.8	.004	.002	NEG.-	.00	.0000	.0000	9.51	2.80
MYSIDACEA-MYSIDA	2		16.4	8.2	119.0	11.6	.022	.011	.002	.02	.0014	0	.75	15.36
ACANTHOMYSIS SP.	7		8.2	4.1	16.4	5.8	.004	.002	.023	.00	.0005	0	.38	2.80
NEGMYSIS MERCEDIS	7		2.1	1.0	8.2	1.5	.004	.002	.004	.00	.0020	0	.09	2.80
NEGMYSIS INTEGER	7		2.1	1.0	2.1	1.5	.027	.013	.004	.02	.0130	0	.09	18.16
LAMPROPIDAE	8		2.1	1.0	2.1 -	1.5	.000	.000	.027	.00	.0001	0	.09	.14
LEUCON SP	7		80.0	40.0	2.1	18.9	.004	.002	NEG.-	.00	.0000	.0000	3.67	2.94
CUMELLA SP.	A7		22.6	11.3	53.3	4.4	.000	.000	NEG.-	0	.0000	.0000	1.04	.28
COROPHIUM SP.	A8		6.2	4.1	14.4	0	.000	.000	NEG.-	0	.0001	0	.38	.28
COROPHIUM SPINICORNE	7		2.1	1.0	4.1	1.5	.000	.000	NEG.-	.00	.0001	0	.09	.14
EDGAMMARUS CONFERVICOLUS	C		61.5	30.8	2.1	0	.006	.004	NEG.-	.00	.0001	0	2.82	5.59
CRANGON SP.	7		2.1	1.0	30.8	1.5	.002	.001	.004	.00	.0010	0	.09	1.40
COTTUS SP.	7		2.1	1.0	2.1 -	1.5	.000	.000	.002	.00	.0001	0	.09	.14
GOBIIDAE	6		4.1	2.1	2.1	2.9	.000	.000	NEG.-	.00	.0001	0	.15	.14

TOTAL NUMBER OF PLANKTON CATEGORIES 30

SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.88
BICMASS 3.06
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.85

 * SITE SUMMARY *

IDENTIFICATION BOMY29
 STATION 13005 - MOON ISLAND BS/PS
 FRGM SAMPLES 0 1 0 2

SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGORNOT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF. VAR
SAMPLE VOLUME (M**3)	6.60	6.60-	0	0
TOTAL WET WEIGHT (PER M**3)	.091	.051-.130	.056	.615
TOTAL ABUNDANCE (PER M**3)	276.74	263.64-289.85	18.53	.07
SAMPLE WET WEIGHT (PER M**3)	.095	.056-.133	.054	.574
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- DANCE	BIC- MASS
HYDROZOA			.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.11	.03
MESOGASTROPODA			2.4	1.2	.6 -	.9	.000	.000	NEG.-	0	.0001	.0000	.44	.07
PODON SP.	76		.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.11	.03
CALANUS SP.	8		7.9	3.9	3.6 -	.4	.000	.000	NEG.-	0	.0000	.0000	1.42	.07
PARACALANUS SP.	C		2.4	1.2	.6 -	.9	.000	.000	NEG.-	0	.0001	.0000	.44	.07
PSEUDOCALANUS SP.	8C		10.3	5.2	4.8 -	.4	.000	.000	NEG.-	0	.0000	.0000	1.86	.07
CENTROPAGES ABDOMINALIS	8		13.3	6.7	6.7 -	0	.000	.000	NEG.-	0	.0000	0	2.41	.07
EURYTEMORA AMERICANA	8C		287.9	143.9	132.3 -	15.0	.016	.006	.007-	.00	.0001	.0000	52.01	9.02
ACARTIA CLAUSI	8L		14.5	7.3	4.8 -	3.4	.000	.000	NEG.-	0	.0000	.0000	2.63	.07
ACARTIA TONSA	6C		6.1	3.0	2.4 -	.9	.000	.000	NEG.-	0	.0000	.0000	1.05	.07
HARPACTICOIDA	8C		.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.11	.03
ZAUS SP.	8		1.8	.9	1.8 -	1.3	.000	.000	NEG.-	.00	.0000	0	.33	.03
HUNTEMANIA JADENSIS	8		5.5	2.7	1.8 -	1.3	.000	.000	NEG.-	0	.0000	.0000	.96	.07
CORYCAEUS ANGLICUS	8		1.2	.6	.6 -	0	.000	.000	NEG.-	0	.0001	0	.22	.07
CYCLOPS VERNALIS	8		.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.11	.03
DITHONA SP.	8		.6	.3	.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.11	.03
BALANOMORPHA	C		107.3	53.6	49.7 -	5.6	.004	.002	.002-	0	.0000	.0000	19.38	2.01
MYSIDACEA-MYSIDA	2E		16.4	8.2	7.9 -	.4	.012	.006	.002	.00	.0007	.0004	2.96	6.68
NEOMYSIS MERCEDIS	7		2.4	1.2	1.2 -	0	.060	.030	.008	.00	.0248	.0018	.44	33.05
LAMPROPS SP.	8C		2.4	1.2	1.2 -	0	.000	.000	.032	.00	.0001	0	.44	.07
LEUCON SP.	AC		5.5	2.7	2.4 -	.4	.000	.000	NEG.-	0	.0000	.0000	.95	.07
CUMELLA SP.	7		44.2	22.1	17.6 -	6.4	.003	.002	.001-	.00	.0001	.0000	7.95	1.67
COROPHIUM SP.	AL		4.2	2.1	1.8 -	.4	.001	.000	.002	.00	.0001	.0002	.77	.37
ANISOGAMMARUS SP.	7		3.0	1.5	3.0 -	2.1	.001	.000	NEG.-	.00	.0002	0	.55	.33
EDGAMMARUS CONFERVICOLUS	7		4.8	2.4	4.8 -	3.4	.001	.000	NEG.-	.00	.0001	0	.86	.33
PANDALIDAE	4		.6	.3	.6 -	.4	.001	.000	NEG.-	.00	.0010	0	.11	.33
CRANGONIDAE	3		.6	.3	.6 -	.4	.001	.000	NEG.-	.00	.0010	0	.11	.33
CRANGON SP.	7		1.2	.6	1.2 -	.9	.001	.001	.001-	.00	.0010	0	.22	.67
CRANGON FRANCISCORUM	7		.2	.1	.2 -	.1	.076	.038	.001	.05	.0040	0	.03	42.11
SAGITTA SP.	C		1.2	.6	.6 -	0	.003	.002	.076	.00	.0025	.0035	.22	1.70
TELEOSTEI	C7		.6	.3	.6 -	.4	.000	.000	.003	.00	.0001	0	.11	.03
GOBIIDAE	+EGG		1.2	.6	1.2 -	.9	.001	.000	NEG.-	.00	.0001	0	.22	.33
UNIDENTIFIED EGG	6		1.2	.6	1.2 -	.9	.000	.000	NEG.-	.00	.0001	0	.22	.33
	+EGG		1.2	.6	1.2 -	.9	.000	.000	NEG.-	.00	.0001	0	.22	.33

TOTAL NUMBER OF PLANKTON CATEGORIES 33

* SITE SUMMARY *

IDENTIFICATION 80JN10
STATION 13005 - MDDN ISLAND BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	10.10	10.10-	0	0
TOTAL WET WEIGHT (PER M**3)	.027	10.10 .026-	.000	.013
TOTAL ABUNDANCE (PER M**3)	727.13	.027 670.10-	80.65	.11
SAMPLE WET WEIGHT (PER M**3)	.029	784.16 .027-	.002	.079
SAMPLE DRY WEIGHT (PER M**3)	0	.C30 0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES		
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- DANCE	BIC- MASS
AUTOLYTUS SP.			1.6	.8	1.6 -	1.1	.000	.000	NEG.-	.00	.0001	0	.11	.30
VENEROIDA	C		4.8	2.4	1.6 -	1.1	.000	.000	NEG.-	0	.0001	.0000	.33	.60
CALANUS SP.	7		9.5	4.8	3.2 -	6.7	.000	.000	NEG.-	.00	.0000	0	.65	.30
PARACALANUS SP.	F		1.6	.8	9.5 -	1.1	.000	.000	NEG.-	.00	.0001	0	.11	.30
PSEUDOCALANUS SP.	8		3.2	1.6	1.6 -	2.2	.000	.000	NEG.-	.00	.0001	0	.22	.30
CENTROPAGES ABDOMINALIS	F		141.0	70.5	3.2 -	5.6	.010	.005	NEG.-	0	.0001	.0000	9.69	17.91
EURYTEMORA AMERICANA	A		282.0	141.0	74.5 -	40.3	.010	.006	.C05	.00	.0000	.0000	19.39	23.88
EPILABIDOCERA AMPHIIRITES	BL		4.8	2.4	169.5 -	3.4	.003	.002	.C05	.00	.0007	0	.33	5.97
ACARTIA CLAUSI	F8		26.9	13.5	4.8 -	7.8	.000	.000	.C03	0	.0000	.0000	1.85	.60
ACARTIA TONSA	C		39.6	19.8	7.9 -	1.1	.000	.002	NEG.-	0	.0001	.0000	2.72	5.97
CORYCAEUS ANGLICUS	A		1.6	.8	19.0 -	1.1	.000	.000	.C02	.00	.0001	0	.11	.30
BALANOMORPHA	L		896.6	448.3	1.6 -	33.6	.019	.010	NEG.-	.00	.0000	.0000	61.66	25.82
MYSIDACEA-MYSIDA	2		3.2	1.6	472.1 -	0	.000	.000	.C08	.00	.0000	.0000	.22	.60
LEUCON SP	7		4.8	2.4	1.6 -	3.4	.000	.000	.011	0	.0001	0	.22	.60
CUMELLA SP.	7		28.5	14.3	4.8 -	6.7	.002	.001	NEG.-	.00	.0000	0	.33	.30
CRANGON SP.	A		1.6	.8	4.8 -	1.1	.002	.001	NEG.-	.00	.0001	.0000	1.96	3.28
GOBIIDAE	7		3.2	1.6	19.0 -	0	.002	.001	.002	.00	.0010	0	.11	2.99
	6		3.2	1.6	1.6 -	0	.000	.000	.C02	0	.0001	0	.22	.60

TOTAL NUMBER OF PLANKTON CATEGORIES 17

SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.80
BIOMASS 2.59
BRILLOLIN-S DIVERSITY INDEX BASED ON NUMBERS 1.77

* SITE SUMMARY *

IDENTIFICATION 60JN25
STATION 13005 - MOON ISLAND BS/PS
FROM SAMPLES 0 1 C 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEFF.VAR
SAMPLE VOLUME (M**3)	7.80	7.80-	0	0
TOTAL WET WEIGHT (PER M**3)	.013	.013-	.000	.000
TOTAL ABUNDANCE (PER M**3)	370.00	347.65-	31.55	.09
SAMPLE WET WEIGHT (PER M**3)	.012	.011-	.001	.094
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BICPASS		PERCENTAGES		
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- DANCE	BIC- PASS
SPIONIDAE			.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.07	.20
MESOGASTROPODA	6		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.07	.20
EVADNE SP.	7		1.5	.8	.5 -	.4	.000	.000	NEG.-	0	.0001	.0000	.21	.40
PODON SP.	L		6.7	3.3	2.6 -	1.1	.000	.000	NEG.-	0	.0000	.0000	.90	.40
CALANUS SP.	L		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.07	.20
PSEUDOCALANUS SP.	F		1.5	.8	.5 -	.4	.000	.000	NEG.-	0	.0001	.0000	.21	.40
CENTROPAGES ABDOMINALIS	F		46.7	23.3	19.0 -	6.2	.002	.001	.001-	.00	.0001	.0000	6.31	9.90
EURYTEMORA AMERICANA	A		36.4	18.2	15.4 -	4.0	.001	.001	NEG.-	0	.0000	.0000	4.92	3.96
ACARTIA CLAUSI	BL		15.4	7.7	1.5 -	8.7	.001	.000	NEG.-	.00	.0000	.0000	2.08	2.18
ACARTIA LONGIREMIS	AB		2.1	1.5	.5 -	1.5	.000	.000	NEG.-	0	.0001	.0001	.42	.40
ACARTIA TONSA	BA		9.2	4.6	4.1 -	.7	.000	.000	NEG.-	0	.0000	.0000	1.25	.40
HARPACTICOIDA	A		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.07	.20
HUNTEMANIA JADENSIS	8		1.5	.8	.5 -	.4	.000	.000	NEG.-	0	.0001	.0000	.21	.40
CORYCAEUS ANGLICUS	8		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.07	.20
BALANOMORPHA	8		599.5	299.7	280.5 -	27.2	.016	.008	.008-	.00	.0000	.0000	81.01	63.37
MYSIDACEA-MYSIDA	2		1.0	.5	1.0 -	.7	.000	.000	NEG.-	.00	.0001	0	.14	.20
LEUCON SP	7		2.6	1.3	.5 -	1.1	.000	.000	NEG.-	0	.0001	.0001	.35	.40
CUMELLA SP.	7		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.07	.20
BOPYRIDAE	7		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.07	.20
ANISOGAMMARUS SP.	7		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.07	.20
CRANGONIDAE	7		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.07	.20
ENGRAULIS MORDAX	3		1.0	.5	1.0 -	.7	.001	.000	NEG.-	.00	.0005	0	.14	1.98
GORIIDAE	+-EGG		9.2	4.6	4.1 -	.7	.004	.002	.002-	.00	.0004	.0001	1.25	13.88

TOTAL NUMBER OF PLANKTON CATEGORIES 23

SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.26
BICPASS 1.96
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.20

NERITIC PLANKTON ANALYSIS

SITE TABLE, PAGE 1

* SITE SUMMARY *

IDENTIFICATION 80JY08
STATION 13C05 - MOON ISLAND BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	5.40	5.40-	0	0
TOTAL WET WEIGHT (PER M**3)	.014	5.40 .013-	.001	.097
TOTAL ABUNDANCE (PER M**3)	265.37	.014 243.33-	31.17	.12
SAMPLE WET WEIGHT (PER M**3)	.015	287.41 .013-	.003	.192
SAMPLE DRY WEIGHT (PER M**3)	0	.017 0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN-	BIC-
HYDRIDIA			.7	.4	.4 -	0	.000	.000	NEG.-	.00	.0001	.0000	.14	.20
	K				.4			NEG.						
NEMATODA			.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.03	.07
	C				.2			NEG.						
SPIONIDAE			1.5	.7	.4 -	.5	.000	.000	NEG.-	.00	.0000	.0000	.26	.20
	6				1.1			NEG.						
PODON SP.			5.4	4.7	4.4 -	.4	.000	.000	NEG.-	.00	.0000	.0000	1.76	.82
	8				5.0			NEG.						
CALANUS SP.			.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.03	.07
	F				.2			NEG.						
PSEUDOCALANUS SP.			1.1	.6	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	.21	.20
	8				.7			NEG.						
CENTROPAGES ABDOMINALIS			.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.03	.07
	F				.2			NEG.						
EURYTEMORA AMERICANA			23.3	11.7	11.5 -	.3	.001	.001	NEG.-	.00	.0000	.0000	4.40	4.10
	L8				11.9			NEG.						
ACARTIA CLAUSI			1.5	.7	.7 -	0	.000	.000	NEG.-	.00	.0000	.0000	.26	.20
	8				.7			NEG.						
ACARTIA TONSA			6.1	3.1	2.4 -	.9	.000	.000	NEG.-	.00	.0000	.0000	1.15	.82
	8C				3.7			NEG.						
BALANOMORPHA			462.8	231.4	204.8 -	37.6	.016	.006	.C07-	.00	.0000	.0000	67.19	57.38
	2E				258.0			.C09						
MYSIDACEA-MYSIDA			.7	.4	.7 -	.5	.000	.000	NEG.-	.00	.0002	0	.14	.66
	7				.7			NEG.						
ACANTHOMYSIS MACROPSIS			.4	.2	.4 -	.3	.003	.001	.C03-	.00	.0000	0	.07	10.93
	L				.4			.003						
ACANTHOMYSIS SCULPTA			.4	.2	.4 -	.3	.001	.000	NEG.-	.00	.0000	0	.07	2.73
	7				.4			NEG.						
LAMPROPIIDAE			.9	.5	.2 -	.4	.000	.000	NEG.-	.00	.0001	.0000	.17	.20
	C				.7			NEG.						
LEUCON SP.			2.2	1.1	.4 -	1.0	.000	.000	NEG.-	.00	.0000	.0000	.42	.20
	A7				1.9			NEG.						
CUMELLA SP.			.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	.07	.07
	8				.4			NEG.						
PANCOLUS CALIFORNIENSIS			.7	.4	.7 -	.5	.000	.000	NEG.-	.00	.0001	0	.14	.14
	8				.7			NEG.						
COROPHIUM SP.			.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	.07	.14
	7				.4			NEG.						
ANISOGAMMARUS SP.			1.7	.8	.2 -	.9	.000	.000	NEG.-	.00	.0001	.0001	.31	.20
	7				1.5			NEG.						
CRANGONIDAE			2.6	1.3	.4 -	1.3	.000	.000	NEG.-	.00	.0001	.0001	.49	1.43
	3				2.2			NEG.						
TELEOSTEI			1.7	.8	1.7 -	1.2	.001	.001	.CC1-	.00	.0000	0	.31	5.46
	6				1.7			.C01						
ENGRAULIS MORDAX			6.3	4.2	4.1 -	.1	.003	.001	.001-	.00	.0000	.0001	1.57	9.56
	+EGG				4.3			.001						
GOBIIDAE			3.3	1.7	3.3 -	2.4	.001	.001	.C01-	.00	.0000	0	.63	4.10
	6				3.3			.C01						

TOTAL NUMBER OF PLANKTON CATEGORIES 24

SHANNON-WEINER DIVERSITY INDEX NUMBERS .97
BIOMASS 2.32
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS .91

* SITE SUMMARY *

IDENTIFICATION 80JY21
STATION 13005 - MOON ISLAND BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	14.50	14.50-	0	0
TOTAL WET WEIGHT (PER M**3)	.002	.002-	.000	.205
TOTAL ABUNDANCE (PER M**3)	51.38	38.90-	17.65	.34
SAMPLE WET WEIGHT (PER M**3)	.002	.002-	.000	.152
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES		
		LH-STAGE	TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	BIC-MASS
HYDROIDA	K		.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0000	0	.07	.16
SPIONIDAE			.1	.1	.1 -	0	.000	.000	NEG.-	0	.0000	0	.13	.36
MESOGASTROPODA	6		.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0000	0	.07	.18
EVADNE SP.	7		.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0000	0	.07	.18
PODON SP.	L		.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0000	0	.07	.18
CALANUS SP.	LB		12.3	6.1	5.6 -	.8	.000	.000	NEG.-	.00	.0000	.0000	11.55	10.73
PSEUDOCALANUS SP.	F		.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0000	0	.07	.18
CENTROPAGES ABDOMINALIS	BF		.3	.2	.1 -	.0	.000	.000	NEG.-	0	.0000	.0000	.34	.26
EURYTEMORA AMERICANA	A		3.3	1.7	1.3 -	.5	.000	.000	NEG.-	0	.0000	.0000	3.22	3.58
EPILABIDOCERA AMPHITRITES	8L		2.0	1.0	.8 -	.2	.000	.000	NEG.-	0	.0000	.0000	1.55	.26
ACARTIA CLAUSI	FB		1.3	.7	.6 -	.1	.000	.000	NEG.-	0	.0000	.0000	1.28	7.16
ACARTIA TONSA	C		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0000	0	.13	.18
HARPACTICOIDA	8A		3.9	2.0	1.7 -	.3	.000	.000	NEG.-	.00	.0000	.0000	3.83	1.57
BALANOMORPHA	L		.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0000	0	.07	.18
MYSIDACEA-MYSIDA	2		74.1	37.1	24.1 -	18.3	.002	.001	NEG.-	.00	.0000	.0000	72.15	50.09
LAMPROPIDAE	7		.7	.3	.3 -	.1	.000	.000	NEG.-	0	.0000	.0000	.67	3.58
BOPYRIDAE	7		.3	.1	.1 -	0	.000	.000	NEG.-	0	.0000	0	.27	.36
ANISOGAMMARUS SP.	7		.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0000	0	.07	.18
CRANGONIDAE	3		2.1	1.1	.8 -	.3	.000	.000	NEG.-	.00	.0000	.0000	2.08	8.54
PINNOTHERIDAE	3		.2	.1	.1 -	.0	.000	.000	NEG.-	0	.0000	.0000	.20	.36
ENGRAULIS MORDAX	+EGG		.2	.1	.2 -	.1	.000	.000	NEG.-	.00	.0000	0	.20	1.75
GOBIIDAE	6		1.2	.6	.3 -	.4	.000	.000	NEG.-	.00	.0000	.0000	1.14	8.54

TOTAL NUMBER OF PLANKTON CATEGORIES 22

SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.64
BIOMASS 2.58
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.52

* SITE SUMMARY *

IDENTIFICATION 80A006
STATION 13005 - MOON ISLAND BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	8.50	8.50-	0	0
TOTAL WET WEIGHT (PER M**3)	.018	.003-	.021	1.157
TOTAL ABUNDANCE (PER M**3)	98.88	74.82-	34.02	.34
SAMPLE WET WEIGHT (PER M**3)	.018	.003-	.022	1.194
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES		
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	BIC-MASS
HYDROIDA			.5	.2	.5 -	.3	.000	.000	NEG.-	.00	.0001	0	.24	.13
	K				.5			NEG.-						
SPIONIDAE			.9	.5	.5 -	0	.000	.000	NEG.-	0	.0001	0	.48	.26
	6				.5			NEG.-						
MESOGASTROPODA			.5	.2	.5 -	.3	.000	.000	NEG.-	.00	.0001	0	.24	.13
	7				.5			NEG.-						
BIVALVIA			3.8	1.9	.5 -	2.0	.000	.000	NEG.-	0	.0001	.0001	1.90	.26
	7				.5			NEG.-						
MYTILIDAE			.5	.2	.5 -	.3	.000	.000	NEG.-	.00	.0001	0	.24	.13
	7				.5			NEG.-						
PSEUDOCALANUS SP.			1.4	.7	.5 -	.3	.000	.000	NEG.-	0	.0001	.0000	.71	.26
	8				.9			NEG.-						
CENTROPAGES ABDOMINALIS			.5	.2	.5 -	.3	.000	.000	NEG.-	.00	.0001	0	.24	.13
	F				.5			NEG.-						
EUPYTEMORA AMERICANA			50.4	25.2	21.2 -	5.7	.001	.001	NEG.-	.00	.0000	.0000	25.46	3.95
	8L				29.2			NEG.-						
ACARTIA CLAUSI			.9	.5	.5 -	0	.000	.000	NEG.-	0	.0001	0	.48	.26
	C				.5			NEG.-						
ACARTIA TONSA			22.5	11.8	7.1 -	6.7	.001	.000	NEG.-	0	.0000	.0000	11.90	2.64
	A				16.5			NEG.-						
ZAUS SP.			.5	.2	.5 -	.3	.000	.000	NEG.-	.00	.0001	0	.24	.13
	8				.5			NEG.-						
THALESTRIDAE			.5	.2	.5 -	.3	.000	.000	NEG.-	.00	.0001	0	.24	.13
	L				.5			NEG.-						
BALANOMORPHA			99.8	49.9	38.1 -	16.6	.002	.001	NEG.-	0	.0000	.0000	50.45	5.27
	2E				61.6			NEG.-						
MYSIDACEA-MYSIDA			.5	.2	.5 -	.3	.000	.000	NEG.-	.00	.0001	0	.24	.13
	7				.5			NEG.-						
LAMPROPS SP.			.9	.5	.9 -	.7	.000	.000	NEG.-	.00	.0001	0	.48	.13
	C				.9			NEG.-						
CUMELLA SP.			6.6	3.3	3.3 -	0	.000	.000	NEG.-	0	.0000	0	3.33	.26
	8				3.3			NEG.-						
CRANGONIDAE			2.8	1.4	.5 -	1.3	.001	.000	NEG.-	.00	.0002	.0001	1.43	1.45
	3				2.4			NEG.-						
CRANGON FRANCISCORUM			.1	.1	.1 -	.1	.02E	.014	.028-	.02	.2400	0	.06	79.05
	7				.1			NEG.-						
GOBIIDAE			3.3	1.6	1.4 -	.3	.002	.001	NEG.-	.00	.0005	.0003	1.67	5.27
	6				1.9			.001						

TOTAL NUMBER OF PLANKTON CATEGORIES 19

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.14
BIOMASS 1.34
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.00

* SITE SUMMARY *

IDENTIFICATION 80AU25
STATION 13005 - MOON ISLAND BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF. VAR
SAMPLE VOLUME (M**3)	9.20	9.20-	0	0
TOTAL WET WEIGHT (PER M**3)	.264	.221-.308	.061	.230
TOTAL ABUNDANCE (PER M**3)	82.23	80.43-84.02	2.54	.03
SAMPLE WET WEIGHT (PER M**3)	.265	.221-.310	.063	.236
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVE. BIOMASS		PERCENTAGES		
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	BIC-MASS
HYDROZOA			1.3	.7	.4 - .9	.3	.000	.000	NEG.-	0	.0001	.0000	.79	.02
PODON SP.	K		2.2	1.1	.4 - .9	.9	.000	.000	NEG.-	C	.0001	.0001	1.32	.02
CALANOIDA	B		9.6	4.8	3.9 - 5.7	1.2	.000	.000	NEG.-	C	.0000	.0000	5.82	.02
PSEUDOCALANUS SP.	F2		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	0	.26	.01
CENTROPAGES ABDOMINALIS	B		.9	.4	.4 - .4	0	.000	.000	NEG.-	C	.0001	C	.52	.02
EURYTEMORA AMERICANA	B		21.3	10.7	9.1 - 12.2	2.2	.000	.000	NEG.-	C	.0000	.0000	12.95	.02
EPILABIDOCERA AMPHITRITES	8L		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0010	0	.26	.08
ACARTIA CLAUSI	B		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	0	.26	.01
ACARTIA LONGIREMIS	B		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	0	.26	.01
ACARTIA TONSA	B		5.2	2.6	5.2 - 5.2	3.7	.000	.000	NEG.-	.00	.0000	C	3.17	.01
THALESTRIDAE	A		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	C	.26	.01
BALANOMORPHA	B		77.0	38.5	36.1 - 40.9	3.4	.001	.000	NEG.-	0	.0000	.0000	46.79	.16
NEMYSIS SP.	2E		9.1	4.6	4.3 - 4.8	.3	.000	.000	NEG.-	.00	.0007	.0009	5.55	1.15
LAMPROPS SP.	7		5.7	2.8	1.3 - 4.3	2.2	.000	.000	NEG.-	.00	.0001	.0000	3.44	.09
LEUCON SP.	A		10.9	5.4	3.9 - 7.0	2.2	.000	.000	NEG.-	.00	.0000	.0000	6.81	.09
CUMELLA SP.	A		3.9	2.0	1.7 - 2.2	.3	.000	.000	NEG.-	0	.0000	.0000	2.38	.02
COROPHIUM SP.	B		1.7	.9	.4 - 1.3	.6	.000	.000	NEG.-	0	.0001	.0000	1.06	.02
EOGAMMARUS CONFERVICDLUS	7		8.7	4.3	2.6 - 6.1	2.5	.002	.001	NEG.-	.00	.0002	.0001	5.29	.41
EOGAMMARUS OCLAIRI	7		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0010	0	.26	.08
CAPRELLIDAE	7		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0001	0	.26	.01
EUPHAUSIACEA	C		1.7	.9	.9 - .9	0	.000	.000	NEG.-	0	.0001	0	1.06	.02
CRANGON FRANCISCORUM	6		.4	.2	.1 - .3	.2	.286	.142	NEG.-	.12	.6240	.0962	.26	54.09
HOMOPTERA-APHIDOIDEA	B		.4	.2	.4 - .4	.3	.001	.000	NEG.-	.00	.0020	C	.26	.16
ENGRAULIS MORDAX	B		.2	.1	.1 - .1	0	.000	.004	NEG.-	.00	.0000	.0311	.13	1.56
**NAME NOT FOUND (8818G10101)	6		1.2	.6	.4 - .8	.2	.222	.111	NEG.-	.05	.1641	.0072	.72	41.92

TOTAL NUMBER OF PLANKTON CATEGORIES 25

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.89
BIOMASS 1.29
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.65

* SITE SUMMARY *

IDENTIFICATION 80SE09
STATION 13005 - MOON ISLAND BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF. VAR
SAMPLE VOLUME (M**3)	9.50	9.50-	0	0
TOTAL WET WEIGHT (PER M**3)	.047	9.50 .038-	.012	.250
TOTAL ABUNDANCE (PER M**3)	627.53	.055 559.26-	96.54	.15
SAMPLE WET WEIGHT (PER M**3)	.042	695.79 .040-	.002	.057
SAMPLE DRY WEIGHT (PER M**3)	0	.044 0-	0	0

ORGANISM NAME	PARTS CODE	* NUMBERS/M**3 *				* WET WEIGHT, GRAMS/M**3 *				* AVG. BIOMASS *		* PERCENTAGES *		
		LH-STAGE	* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN-	* BIC-
HYDROZOA	K		6.7	3.4	6.7 -	4.8	.000	.000	NEG.-	.00	.0000	0	.54	.18
HYDRIDA	K		8.4	4.2	6.7 -	6.0	.000	.000	NEG.-	.00	.0000	0	.67	.18
CORDYLOPHORA SP.	W		1.7	.8	8.4 -	1.2	.000	.000	NEG.-	.00	.0001	0	.13	.18
POLYCHAETA	6		3.4	1.7	1.7 -	2.4	.000	.000	NEG.-	.00	.0001	0	.27	.18
SPIONIDAE	6		11.8	5.9	3.4 -	8.3	.000	.000	NEG.-	.00	.0000	0	.94	.18
BIVALVIA	C		1.7	.8	11.8 -	1.2	.000	.000	NEG.-	.00	.0001	0	.13	.18
PADDON SP.	B		6.4	4.2	1.7 -	6.0	.000	.000	NEG.-	.00	.0000	0	.67	.18
CALANUS SP.	F		3.4	1.7	8.4 -	2.4	.000	.000	NEG.-	.00	.0001	0	.27	.18
PARACALANUS SP.	BC		3.4	1.7	3.4 -	0	.000	.000	NEG.-	0	.0001	0	.27	.36
PSEUDOCALANUS SP.	FC		6.4	4.2	1.7 -	1.2	.000	.000	NEG.-	0	.0000	.0000	.67	.36
CENTROPAGES ABDOMINALIS	BC		33.7	16.8	5.1 -	2.4	.000	.000	NEG.-	0	.0000	.0000	2.68	.36
EUPYTEMORA AMERICANA	LBC		227.4	113.7	15.2 -	51.2	.000	.004	NEG.-	.00	.0000	.0000	18.12	9.02
EPILABIDOCERA AMPHITRITES	BC		5.1	2.5	18.5 -	1.2	.003	.002	NEG.-	0	.0008	.0004	.40	3.61
ACARTIA SP.	C		6.7	3.4	149.9 -	4.8	.000	.000	NEG.-	.00	.0000	0	.54	.18
ACARTIA CLAUSI	BC		40.4	20.2	3.4 -	9.5	.000	.000	NEG.-	0	.0000	.0000	3.22	.36
ACARTIA LONGIREMIS	BC		11.8	5.9	26.9 -	1.2	.000	.000	NEG.-	0	.0000	.0000	.94	.36
ACARTIA TONSA	B		3.4	1.7	6.7 -	2.4	.000	.000	NEG.-	.00	.0001	0	.27	.18
HALICYCLOPS SP.	C		1.7	.8	3.4 -	1.2	.000	.000	NEG.-	.00	.0001	0	.13	.18
BALANOMORPHA	ZE		832.0	416.0	1.7 -	33.3	.022	.011	NEG.-	.00	.0000	.0000	66.25	23.47
MYSIDACEA-MYSIDA	7		3.4	1.7	392.4 -	2.4	.000	.000	NEG.-	.00	.0001	0	.27	.18
NEOMYSIS MERCEDIS	7C		1.8	.9	439.6 -	1.1	.024	.012	NEG.-	.01	.0215	.0140	.14	25.27
LAMPROPS SP.	BC		8.4	4.2	3.4 -	3.6	.000	.000	NEG.-	0	.0001	.0001	.67	.36
LEUCON SP.	C		3.4	1.7	1.7 -	2.4	.000	.000	NEG.-	.00	.0001	0	.27	.18
CUMELLA SP.	B		1.7	.8	6.7 -	1.2	.000	.000	NEG.-	.00	.0001	0	.13	.18
EGGAMMARUS OCLAIRI	7		3.4	1.7	1.7 -	2.4	.000	.000	NEG.-	.00	.0001	0	.27	.18
PINNOTHERIDAE	3		3.4	1.7	3.4 -	0	.000	.000	NEG.-	0	.0001	0	.27	.36
DIKOPLEURA SP.	C		6.4	4.2	1.7 -	1.2	.000	.000	NEG.-	0	.0000	.0000	.67	.36
ENGRAULIS MORDAX	6		.2	.1	5.1 -	.0	.027	.014	NEG.-	.00	.1255	.0041	.02	29.42
GDBIIDAE	6		1.7	.8	.1 -	1.2	.003	.002	NEG.-	.00	.0020	0	.13	3.61

TOTAL NUMBER OF PLANKTON CATEGORIES 29

SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.88
BIOMASS 2.65
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.83

* SITE SUMMARY *

IDENTIFICATION BOSE23
STATION 13005 - MOON ISLAND BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNDT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	7.90	7.90-	0	0
TOTAL WET WEIGHT (PER M**3)	.007	.006- 7.90 .008	.002	.260
TOTAL ABUNDANCE (PER M**3)	249.11	211.65- 286.58	52.99	.21
SAMPLE WET WEIGHT (PER M**3)	.008	.006- .009	.002	.283
SAMPLE DRY WEIGHT (PER M**3)	0	0- 0	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			S.D.	WET WEIGHT, GRAMS/M**3				AVE. BIOMASS		PERCENTAGES	
			TOTAL	MEAN	RANGE		TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN- DANCE	BIC- PASS
HYDRIDA	K		3.5	1.8	1.5 - 2.0	.4	.C0C	.00C	NEG.- NEG.	0	.00C0	.00C0	.71	.72
POLYCHAETA	6		1.0	.5	1.0 - 1.0	.7	.C0C	.C0C	NEG.- NEG.	.CC	.C0C1	0	.20	.36
BIVALVIA	C		3.0	1.5	.5 - 2.5	1.4	.C0C	.00C	NEG.- NEG.	0	.C0C1	.00C1	.61	.72
HALACARIDAE	8		.5	.3	.5 - .5	.4	.C0C	.C0C	NEG.- NEG.	.00	.00C1	0	.10	.36
P0DDN SP.	8C		4.6	2.3	1.5 - 3.0	1.1	.C0C	.C0C	NEG.- NEG.	C	.C0C0	.C0C0	.91	.72
PSEUDOCALANUS SP.	FC		3.0	1.5	1.0 - 2.0	.7	.C0C	.C0C	NEG.- NEG.	0	.00C0	.00C0	.61	.72
CENTROPAGES ABDOMINALIS	CB		5.6	2.8	2.5 - 3.0	.4	.C0C	.00C	NEG.- NEG.	0	.C0C0	.00C0	1.12	.72
EURYTEMORA AMERICANA	BL		32.4	16.2	15.7 - 16.7	.7	.C0C2	.C0C1	NEG.- .001	.CC	.C0C0	.00C0	6.90	10.82
EPILABIDOCERA AMPHITRITES	8		.5	.3	.5 - .5	.4	.C0C1	.C0C	NEG.- NEG.	.00	.C0C1C	0	.10	3.61
ACARTIA CLAUSI	CA		13.2	6.6	1.5 - 11.6	7.2	.C0C	.00C	NEG.- NEG.	0	.C0C0	.0000	2.64	.72
ACARTIA LONGIREMIS	C		1.5	.8	1.5 - 1.5	1.1	.C0C	.C0C	NEG.- NEG.	.CC	.C0C0	C	.30	.36
BALANOMORPHA	2E		413.2	206.6	179.7 - 233.4	38.0	.C1C	.005	.C04- .C06	.00	.C0C0	.00C0	82.93	68.55
LAMPROPS SP.	87		1.0	.5	.5 - .5	0	.C0C	.00C	NEG.- NEG.	0	.C0C1	C	.20	.72
LEUCON SP	8C		7.1	3.5	2.5 - 4.6	1.4	.C0C1	.C0C	NEG.- NEG.	.CC	.C0C1	.C0C1	1.42	3.97
LUMELLA SP.	8		2.5	1.3	1.0 - 1.5	.4	.C0C	.00C	NEG.- NEG.	0	.C0C0	.00C0	.51	.72
BOPYRIDAE	7		1.0	.5	1.0 - 1.0	.7	.C0C	.00C	NEG.- NEG.	.00	.C0C1	0	.20	.36
GAMMARIDEA	7		.5	.3	.5 - .5	.4	.C0C	.C0C	NEG.- NEG.	.CC	.C0C1	C	.10	.36
COROPHIUM SP.	7		.5	.3	.5 - .5	.4	.C0C	.00C	NEG.- NEG.	.00	.C0C1	0	.10	.36
PINNOTHERIDAE	3		2.0	1.0	.5 - 1.5	.7	.C0C	.00C	NEG.- NEG.	0	.00C1	.0000	.41	.72
INSECTA I	6		.5	.3	.5 - .5	.4	.C0C	.00C	NEG.- NEG.	.CC	.C0C1	C	.10	.36
DIPTERA-CHIRONOMIDAE	8		.5	.3	.5 - .5	.4	.C0C	.00C	NEG.- NEG.	.00	.C0C1	0	.10	.36
DIPTERA-BRACHYCERA	6		.5	.3	.5 - .5	.4	.C01	.00C	NEG.- NEG.	.00	.00C1C	0	.10	3.61

TOTAL NUMBER OF PLANKTON CATEGORIES 22

SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.20
BIOMASS 1.95
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.13

* SITF SUMMARY *

IDENTIFICATION 800C07
STATION 13005 - MOON ISLAND PS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	9.60	9.60-	0	0
TOTAL WET WEIGHT (PER M**3)	.007	.004-	.004	.599
TOTAL ABUNDANCE (PER M**3)	31.35	30.21-	1.62	.05
SAMPLE WET WEIGHT (PER M**3)	.007	.004-	.004	.606
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES		
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- DANCE	BIC- MASS
HYDROIDA			.1	.1	.1 -	.1	.000	.000	NEG.- NEG.	.00	.0001	0	.17	.08
BIVALVIA	K		.1	.1	.1 -	.1	.000	.000	NEG.- NEG.	.00	.0001	0	.17	.08
BOSMINA SP.	7		.6	.3	.6 -	.4	.000	.000	NEG.- NEG.	.00	.0000	0	1.00	.15
EVADNE NORDMANNI	C		.8	.4	.2 -	.3	.000	.000	NEG.- NEG.	.00	.0000	.0000	1.03	.23
PODON SP.	8L		1.1	.6	.5 -	.1	.000	.000	NEG.- NEG.	.00	.0000	.0000	1.03	.23
PSEUDOCALANUS SP.	LC		1.1	.6	.3 -	.4	.000	.000	NEG.- NEG.	.00	.0000	.0000	1.03	.23
CENTROPAGES ABDOMINALIS	B		.7	.4	.3 -	.1	.000	.000	NEG.- NEG.	.00	.0000	.0000	1.16	.23
EUPYTEMORA AMERICANA	8F		36.7	18.3	16.0 -	2.2	.001	.001	NEG.- NEG.	.00	.0000	.0000	58.47	8.30
EPILABIDOCERA AMPHITRITES	LA		.7	.4	.2 -	.2	.001	.000	NEG.- NEG.	.00	.0000	.0000	1.16	4.66
ACARTIA SP.	F8		.2	.1	.2 -	.1	.000	.000	NEG.- NEG.	.00	.0001	0	.33	.08
ACARTIA CLAUSI	B		1.1	.6	.4 -	.2	.000	.000	NEG.- NEG.	.00	.0000	.0000	1.03	.23
ACARTIA TONSA	B		.6	.3	.2 -	.1	.000	.000	NEG.- NEG.	.00	.0001	.0001	1.00	.23
BALANOMORPHA	B		4.6	2.3	2.3 -	0	.000	.000	NEG.- NEG.	.00	.0000	.0000	7.31	.23
MYSIDACEA-MYSIDA	2		9.1	4.5	4.5 -	.1	.003	.001	.001-	0	.0003	.0000	14.43	21.12
ACANTHOMYSIS MACROPSIS	7		.7	.4	.2 -	.2	.005	.002	.002-	.00	.0005	.0016	1.16	33.94
MEGAMYSIS MERCEDIS	78L		.1	.1	.1 -	.1	.000	.000	NEG.- NEG.	.00	.0000	0	.17	1.51
MEGAMYSIS INTEGER	7		.4	.2	.4 -	.3	.003	.002	.003-	.00	.0007	0	.66	23.38
LAMPROPS SP.	B		.1	.1	.1 -	.1	.000	.000	NEG.- NEG.	.00	.0001	0	.17	.08
LEUCON SP	7		.1	.1	.1 -	.1	.000	.000	NEG.- NEG.	.00	.0001	0	.17	.08
CUMELLA SP.	C		2.1	1.0	.6 -	.6	.000	.000	NEG.- NEG.	.00	.0001	.0000	3.32	.90
CORDOPHIUM SP.	AB		.2	.1	.2 -	.1	.000	.000	NEG.- NEG.	.00	.0001	0	.33	.08
EDGAMMARUS SP.	7		1.1	.6	.2 -	.5	.000	.000	NEG.- NEG.	.00	.0001	.0001	1.03	.23
GOBIIDAE	7		.1	.1	.1 -	.1	.001	.000	NEG.- NEG.	.00	.0000	0	.17	3.77
	6				.1									

TOTAL NUMBER OF PLANKTON CATEGORIES 23

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.35
BIOMASS 2.55
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.06

* SITE SUMMARY *

IDENTIFICATION 800C21
STATION 13005 - MOON ISLAND BS/PS
FRGM SAMPLES D 1 D 2

SPECIES DEFINITION -
TRUNCATED * NO
LH-STAGE * EGGORNDT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	CCEF.VAR
SAMPLE VCLUME (M**3)	9.10	9.10-	0	0
TOTAL WET WEIGHT (PER M**3)	.017	.016- .019	.002	.097
TOTAL ABUNDANCE (PER M**3)	383.30	232.09- 534.51	213.84	.56
SAMPLE WET WEIGHT (PER M**3)	.017	.016- .018	.002	.109
SAMPLE DRY WEIGHT (PER M**3)	0	C- 0	0	0

ORGANISM NAME	PARTS CODE	LM-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN- DANCE	BIC- MASS
HYDROZOA			6.2	3.1	6.2 -	4.4	.000	.000	NEG.-	.00	.0000	0	.80	.25
HYDROIDA	K		5.3	2.6	5.3 -	3.7	.000	.000	NEG.-	.00	.0000	0	.69	.51
EVADNE SP.	K		2.6	1.3	2.6 -	1.9	.000	.000	NEG.-	.00	.0000	0	.34	.25
EVADNE NORDMANNI	L8		1.8	.9	1.8 -	1.2	.000	.000	NEG.-	.00	.0001	0	.23	.51
PODON SP.	B		5.3	2.6	1.8 -	1.2	.000	.000	NEG.-	.00	.0001	.0001	.69	.76
CALANOIDA	C		.9	.4	.9 -	.6	.000	.000	NEG.-	.00	.0001	0	.11	.25
CALANUS SP.	F		.9	.4	.9 -	.6	.000	.000	NEG.-	.00	.0001	0	.11	.25
PARACALANUS SP.	B		1.8	.9	1.8 -	1.2	.000	.000	NEG.-	.00	.0001	0	.23	.51
PSEUDOCALANUS SP.	AB		6.8	4.4	1.8 -	3.7	.000	.000	NEG.-	.00	.0001	.0001	1.15	.76
CENTROPAGES ABDOMINALIS	BF		5.3	2.6	1.8 -	1.2	.000	.000	NEG.-	.00	.0001	0	.69	.76
EURYTEMORA AMERICANA	L8A		104.6	52.3	44.8 -	10.6	.004	.002	.CO2-	0	.0000	.0000	13.65	10.12
EPILABIDOCERA AMPHITRITES	B		1.8	.9	1.8 -	1.2	.001	.000	NEG.-	.00	.0005	0	.23	2.52
ACARTIA CLAUSI	B		484.4	242.2	101.1 -	199.5	.014	.007	.CO4-	.00	.0000	.0000	63.19	40.51
ACARTIA LONGIREMIS	BC		2.6	1.3	.9 -	.6	.000	.000	NEG.-	.00	.0001	0	.34	.76
BALANOMORPHA	2E		102.0	51.0	49.2 -	2.5	.002	.001	NEG.-	.00	.0000	.0000	13.30	5.57
ACANTHOMYSIS MACROPSIS	7		4.4	2.2	1.8 -	.6	.011	.005	.CO2-	.00	.0022	.0016	.57	30.38
LAMPROPS SP.	C		.9	.4	.9 -	.6	.000	.000	NEG.-	.00	.0001	0	.11	.25
LEUCON SP	B		2.6	1.3	2.6 -	1.9	.001	.000	NEG.-	.00	.0003	0	.24	2.53
ISCOPEIDA	6		18.5	9.2	4.4 -	6.8	.000	.000	NEG.-	.00	.0000	.0000	2.41	.76
EDGAMMARUS SP.	7		1.8	.9	1.8 -	1.2	.000	.000	NEG.-	.00	.0001	0	.23	.51
EUPHAUSIACEA	2		1.8	.9	1.8 -	1.2	.000	.000	NEG.-	.00	.0001	0	.23	.51
CRANGONIDAE	7		.9	.4	.9 -	.6	.000	.000	NEG.-	.00	.0001	0	.11	.25
DIKOPLEURA SP.	C		1.8	.9	1.8 -	1.2	.000	.000	NEG.-	.00	.0001	0	.23	.51

TOTAL NUMBER OF PLANKTON CATEGORIES 23

SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.90
BIOMASS 2.52
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.83

Appendix 6-4. Neritic Zooplankton
Analysis Tables for:

STEARNS BLUFF
March 19 - October 23, 1980

LIFE HISTORY STAGE CODES

0 - Unstaged	I - Protozoa
1 - Egg	J - Juvenile
2 - Nauplius	K - Medusa
3 - Zoea	L - Egg-bearing female
4 - Megalops	M - Egg case
5 - Veliger	P - Unidentified (part)
6 - Larva	Q - Immature
7 - Juvenile	R - Subadult
8 - Adult	S - Trochophore
9 - Larva + Juv. + Adult	T - Subadult + Juv.
A - Juv. + Adult	U - Mating pair
B - Larva + Juv.	V - Mysis
C - Juv. or Adult	W - Colony
D - Polyp	X - Cyphonautes
E - Cypris	Y - Glaucothoe
F - Copepodid	+ - Egg
G - Pupa	* - All non-egg stages pooled
H - Nymph	

IDENTIFICATION BCMR19
 STATION 13006 - STEARN-S BLUFF BS/PS
 FROM SAMPLES 0 1 0 2

	MEAN	RANGE	S.D.	COEFF.VAR
SAMPLE VOLUME (M**3)	7.50	7.50-	0	0
TOTAL WET WEIGHT (PER M**3)	.026	.023- 7.50 .029	.004	.161
TOTAL ABUNDANCE (PER M**3)	68.93	66.13- 71.73	3.96	.06
SAMPLE WET WEIGHT (PER M**3)	.027	.026- .028	.002	.057
SAMPLE DRY WEIGHT (PER M**3)	0	0- C	0	0

SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGORNDT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVE. BIOMASS		PERCENTAGES	
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- DANCE	BIC- PASS
HYDROZOA			2.9	1.5	.5 - 2.4	1.3	.001	.000	NEG.- NEG.	0	.0003	.0003	2.13	1.02
OBELIA SP.	K		.3	.1	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	0	.19	.05
NEMATODA	W		.3	.1	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0010	0	.19	.51
POLYCHAETA	C		.3	.1	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	0	.19	.05
POLYNOIDAE	6		.5	.3	.5 - .5	.4	.000	.000	NEG.- NEG.	.00	.0005	0	.39	.51
MAGELONA SP.	C		1.9	.9	.8 - 1.1	.2	.001	.000	NEG.- NEG.	0	.0003	.0001	1.35	1.02
MESOGASTROPODA	C		.3	.1	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	0	.19	.05
BIVALVIA	6		.8	.4	.3 - .5	.7	.000	.000	NEG.- NEG.	.00	.0003	.0003	.58	.58
HALACARIDAE	C		.3	.1	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0010	0	.19	.51
CALANOIDA	C		.3	.1	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	0	.19	.05
CALANUS SP.	C		3.7	1.9	1.1 - 2.7	1.1	.002	.001	NEG.- NEG.	.00	.0006	.0001	2.71	4.58
EUCALANUS SP.	A		5.6	2.8	1.3 - 4.3	2.1	.001	.001	NEG.- NEG.	.00	.0002	.0000	4.06	2.55
CLAUSOCALANUS PARAPERGENS	A		2.9	1.5	.6 - 2.1	.9	.000	.000	NEG.- NEG.	.00	.0001	.0001	2.13	.58
PSEUDOCALANUS SP.	C		2.1	1.1	2.1 - 2.1	1.5	.000	.000	NEG.- NEG.	.00	.0001	0	1.55	.51
METRIDIA LUCENS	C		1.6	.8	.8 - .8	0	.000	.000	NEG.- NEG.	.00	.0002	.0002	1.16	.58
CENTROPAGES ABDOMINALIS	CA		7.2	3.6	3.5 - 3.7	.2	.001	.000	NEG.- NEG.	.00	.0001	.0000	5.22	1.53
EURYTEMORA AMERICANA	A		.5	.3	.3 - .3	0	.000	.000	NEG.- NEG.	0	.0001	0	.29	.10
ACARTIA CLAUSI	CB		17.9	8.9	6.7 - 11.2	3.2	.001	.000	NEG.- NEG.	.00	.0000	.0000	12.96	1.53
ACARTIA LONGIREMIS	A		.3	.1	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	0	.19	.05
TORTANUS DISCAUDATUS	C		3.7	1.9	3.7 - 3.7	2.6	.001	.000	NEG.- NEG.	.00	.0001	0	2.71	1.02
BALANIDORPHA	A		1.1	.5	.3 - .8	.4	.000	.000	NEG.- NEG.	0	.0001	.0000	.77	.10
ACANTHOMYSIS MACROPSIS	E2		16.3	8.1	6.9 - 9.3	1.7	.022	.011	.C10- .C12	.00	.0014	.0001	11.80	41.77
ARCHAEMYSIS GREBNITZKII	A		1.9	.9	.8 - 1.1	.7	.001	.000	NEG.- NEG.	0	.0003	.0001	1.35	1.02
LAMPROPS SP.	C		.8	.4	.8 - .8	.6	.000	.000	NEG.- NEG.	.00	.0000	0	.58	.05
LEUCON SP.	C		.5	.3	.3 - .3	0	.000	.000	NEG.- NEG.	0	.0001	0	.39	.10
CUMELLA SP.	C7		3.5	1.7	1.3 - 2.1	.6	.001	.000	NEG.- NEG.	0	.0002	.0001	2.51	1.02
BOPYRIDAE	8		.3	.1	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	0	.19	.05
GAMMARIDEA	C		.3	.1	.3 - .3	.7	.000	.000	NEG.- NEG.	.00	.0010	0	.19	.51
COROPHIUM SP.	7		.3	.1	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0010	0	.19	.51
EUPHAUSIACEA	C		.3	.1	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	0	.19	.05
HIPPOLYTIDAE	7		.8	.4	.8 - .8	.6	.001	.000	NEG.- NEG.	.00	.0007	0	.58	1.02
CRANGONIDAE	3		18.4	9.2	8.0 - 10.4	1.7	.006	.003	.003- .003	.00	.0003	.0001	13.35	10.70
UPDEGEBIA PUGETTENSIS	36		18.9	9.5	8.5 - 10.4	1.3	.006	.003	.003- .003	.00	.0003	.0000	13.73	11.72
PUGETTIA SP.	3		.3	.1	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0010	0	.19	.51
PINNOTHERIDAE	4		3.2	1.6	.3 - 2.9	1.9	.000	.000	NEG.- NEG.	0	.0001	.0001	2.32	.10
DIPTERA-CHIRONOMIDAE	3		.3	.1	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0010	0	.19	.51
SAGITTA SP.	8		4.5	2.3	1.3 - 3.2	1.3	.002	.001	NEG.- NEG.	.00	.0005	.0001	3.29	4.58
TELEOSTEI	C7		.8	.4	.3 - .5	.2	.000	.000	NEG.- NEG.	.00	.0003	.0003	.58	.58
OSMERIDAE	+EGG		4.0	2.0	1.9 - 2.1	.2	.004	.002	NEG.- NEG.	.00	.0009	.0009	2.90	7.13
GADIDAE	6		.3	.1	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	0	.19	.05
AMMODYTES HEXATERAS	6		.8	.4	.8 - .8	.6	.000	.000	NEG.- NEG.	.00	.0000	0	.58	.05
UNIDENTIFIED EGG	6		7.2	3.6	3.2 - 4.0	.6	.000	.000	NEG.- NEG.	.00	.0000	.0000	5.22	.51
	+EGG													

TOTAL NUMBER OF PLANKTON CATEGORIES 42

IDENTIFICATION 80A01
 STATION 13006 - STEARN-S BLLFF BS/PS
 FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGORNOT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	CDEF.VAR
SAMPLE VOLUME (M**3)	7.50	7.50-7.50	0	0
TOTAL WET WEIGHT (PER M**3)	.012	.009-.016	.005	.423
TOTAL ABUNDANCE (PER M**3)	40.27	35.73-44.80	6.41	.16
SAMPLE WET WEIGHT (PER M**3)	.009	.008-.010	.002	.190
SAMPLE DRY WEIGHT (PER M**3)	0	0-0	0	0

ORGANISM NAME	PARTS CODE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVE. BIOMASS		PERCENTAGES		
		LH-STAGE	TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	BIC-MASS
HYDRDZOA			2.9	1.9	2.9 -	2.1	.000	.000	NEG.-	.00	.0001	0	3.64	1.08
HYDROIDA	K		1.2	.6	1.2 -	.8	.000	.000	NEG.-	.00	.0001	0	1.44	.54
SIPHONOPHORA			.8	.4	.1 -	.4	.000	.000	NEG.-	0	.0001	.0001	.99	.11
SCYPHAZOA	W		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0020	0	.17	1.08
CTENOPHORA	6		.9	.5	.1 -	.5	.004	.002	NEG.-	.00	.0027	.0009	1.16	15.63
POLYCHAETA	C		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0001	0	.17	.05
POLYNOIDAE	6		.7	.3	.3 -	.1	.000	.000	NEG.-	0	.0000	.0000	.83	.11
AUTOLYTUS SP.	76		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0010	0	.17	.54
SPIDNIDAE	8		.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0005	0	.33	.54
MAGELONA SP.	6		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0001	0	.17	.05
MESOGASTROPODA	C		4.7	2.3	1.7 -	.8	.000	.000	NEG.-	.00	.0001	.0000	5.79	1.62
THECOSMATA	7		.4	.2	.1 -	.1	.000	.000	NEG.-	.00	.0003	.0003	.50	.59
ARANEAE	C		.3	.1	.3 -	.2	.002	.001	NEG.-	.00	.0000	0	.33	6.47
CALANUS SP.	8		1.1	.5	.4 -	.2	.001	.000	NEG.-	.00	.0006	.0000	1.32	2.70
EUCALANUS BUNGII	A		.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0005	0	.33	.54
CLAUSOCALANUS ARCUICORNIS	C		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0001	0	.17	.05
PSEUDOCALANUS SP.	C		.5	.3	.1 -	.2	.000	.000	NEG.-	0	.0001	.0000	.66	.11
METRIDIA LUCENS	BC		.5	.3	.3 -	0	.000	.000	NEG.-	0	.0001	0	.66	.11
CENTROPAGES ABDOMINALIS	C		4.9	2.5	1.1 -	2.0	.007	.004	NEG.-	.00	.0010	.0012	6.13	29.11
EURYTEMORA AMERICANA	AB		.4	.2	.1 -	.1	.000	.000	NEG.-	0	.0001	.0000	.50	.11
ACARTIA CLAUSI	8L		5.3	2.7	2.4 -	.4	.000	.000	NEG.-	0	.0001	.0000	6.62	1.08
ACARTIA TONSA	AC		2.0	1.0	.9 -	.1	.000	.000	NEG.-	.00	.0001	.0001	2.48	.59
HARPACTICIDA	C		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0001	0	.17	.05
COPYCAEUS ANGLICUS	C		.4	.2	.1 -	.1	.000	.000	NEG.-	0	.0001	.0000	.50	.11
DITHONA SP.	8L		.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.33	.05
BALANOMORPHA	C		9.7	4.9	4.8 -	.1	.001	.000	NEG.-	0	.0001	.0000	12.05	2.16
ACANTHOMYSIS SP.	2		.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0000	0	.50	.05
ARCHAEMYXIS GREBNITZKII	7		.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0005	0	.33	.54
LAMPROPIDAE	C		.3	.1	.1 -	0	.000	.000	NEG.-	0	.0001	0	.33	.11
LEUCON SP.	7C		.3	.1	.1 -	0	.000	.000	NEG.-	0	.0001	0	.33	.11
CAPRELLIDEA	C7		.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.33	.05
EUPHAUSIACEA	7		.3	.1	.3 -	.7	.000	.000	NEG.-	.00	.0005	0	.33	.54
CRANGONIDAE	6		13.6	6.8	4.9 -	2.6	.003	.001	NEG.-	.00	.0002	.0000	16.85	11.32
UPDEGEBIA PUGETTENSIS	3		9.6	4.8	4.4 -	.6	.004	.002	NEG.-	.00	.0004	.0000	11.92	14.56
PORCELLANIDAE	3		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0000	0	.17	1.08
CANCER SP.	4		.3	.1	.1 -	0	.000	.000	NEG.-	0	.0001	0	.33	.11
PINNOTHERIDAE	3		8.4	4.2	4.1 -	.1	.000	.000	NEG.-	0	.0000	.0000	10.43	1.08
HEMIGRAPUS SP.	3		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0001	0	.17	.05
SAGITTA SP.	3		3.7	1.9	.9 -	1.3	.001	.000	NEG.-	.00	.0002	.0001	4.64	2.70
TELEOSTEI	7		.4	.2	.1 -	.1	.000	.000	NEG.-	0	.0001	.0000	.50	.11
OSMERIDAE	+-EGG		1.5	.7	.3 -	.7	.000	.000	NEG.-	.00	.0004	.0002	1.82	1.62
COTTUS SP.	6		.4	.2	.1 -	.1	.000	.000	NEG.-	.00	.0003	.0003	.50	.59
AMMODYTES HEXATERAS	6		.1	.1	.1 -	.1	.000	.000	NEG.-	.00	.0001	0	.17	.05
UNIDENTIFIED EGG	6		1.9	.9	.4 -	.8	.000	.000	NEG.-	0	.0000	.0000	2.32	.31
UNIDENTIFIED	+-EGG		.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.33	.05

TOTAL NUMBER OF PLANKTON CATEGORIES 45
 SHANNON-WEINER DIVERSITY INDEX NUMBERS 4.13
 BIOMASS 3.45
 BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.66

IDENTIFICATION 80AP15
 STATION 13006 - STEARN-S BLUFF BS/PS
 FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGORNOT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	3.30	3.30-	0	0
TOTAL WET WEIGHT (PER M**3)	.127	.114- .139	.016	.141
TOTAL ABUNDANCE (PER M**3)	297.12	230.61- 363.64	94.07	.32
SAMPLE WET WEIGHT (PER M**3)	.139	.124- .155	.022	.160
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVE. BICMASS		PERCENTAGES		
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- DANCE	BIC- PASS
HYDROIDA			29.1	14.5	3.6 - 25.5	15.4	.002	.001	NEG.- .001	.00	.0001	.0001	4.90	.72
LENZIA CONGIDEA	KW		.3	.2	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	0	.05	.01
CTENOPHORA	W		3.0	1.5	.6 - 2.4	1.3	.002	.001	NEG.- .002	.00	.0013	.0017	.51	.65
POLYNOIDAE	C		1.2	.6	1.2 - 1.2	.9	.000	.000	NEG.- NEG.	.00	.0001	0	.20	.05
SPIDNIDAE	6		3.3	1.7	.9 - 2.4	1.1	.000	.000	NEG.- NEG.	.00	.0000	.0000	.56	.06
MESOGASTROPODA	76		.3	.2	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	0	.05	.01
MESOGASTROPODA-STENOCLESSA	7		.3	.2	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	0	.05	.01
THECOSOMATA	7		.9	.5	.9 - .9	.6	.000	.000	NEG.- NEG.	.00	.0002	0	.15	.12
MACOMA SP.	C		.3	.2	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	0	.05	.01
PODDN SP.	7		1.2	.6	1.2 - 1.2	.9	.000	.000	NEG.- NEG.	.00	.0001	0	.20	.05
CALANUS SP.	8		136.1	68.0	60.9 - 75.2	10.1	.054	.027	.020 - .024	.01	.0004	.0001	22.90	21.17
EUCALANUS BUNGII	A		3.3	1.7	.9 - 2.4	1.1	.002	.002	NEG.- .002	.00	.0010	0	.56	1.32
PARACALANUS SP.	AC		.6	.3	.6 - .6	.4	.000	.000	NEG.- NEG.	.00	.0001	0	.10	.01
CLAUSOCALANUS PARAPERGENS	8		2.1	1.1	2.1 - 2.1	1.5	.000	.000	NEG.- NEG.	.00	.0001	0	.36	.12
PSEUDOCALANUS SP.	8		32.7	16.4	9.7 - 23.0	9.4	.001	.001	NEG.- NEG.	.00	.0000	.0001	5.51	.41
METRIDIA LUCENS	A		21.2	10.6	10.3 - 10.9	.4	.005	.003	.002 - .003	.00	.0003	.0001	3.57	2.15
CENTROPAGES ABDOMINALIS	A		42.4	21.2	14.5 - 27.9	9.4	.005	.002	.002 - .002	.00	.0001	.0000	7.14	1.79
EURYTEMORA AMERICANA	A		.3	.2	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	0	.05	.01
ACARTIA CLAUSI	8		94.5	47.3	36.4 - 58.2	15.4	.004	.002	.002 - .002	.00	.0000	0	15.91	1.56
TORTANUS DISCAUDATUS	A		1.2	.6	1.2 - 1.2	.9	.000	.000	NEG.- NEG.	.00	.0001	0	.20	.05
CORDYCAEUS ANGLICUS	8		.3	.2	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	0	.05	.01
BALANODORPHA	L		156.7	78.3	67.0 - 89.7	16.1	.009	.004	.004 - .005	.00	.0001	.0000	26.36	3.47
LAMPROPIDAE	2		.3	.2	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	0	.05	.01
LEUCONIDAE	7		.3	.2	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	0	.05	.01
CORDOPHIUM SP.	7		1.2	.6	1.2 - 1.2	.9	.000	.000	NEG.- NEG.	.00	.0001	0	.20	.05
EDGAMMARUS CONFERVICOLUS	7		1.2	.6	1.2 - 1.2	.9	.004	.002	.004 - .004	.00	.0003	0	.20	1.44
EUPHAUSIACEA	7		18.2	9.1	6.1 - 12.1	4.3	.002	.001	NEG.- .001	.00	.0001	0	3.06	.72
CRANGONIDAE	6		7.9	3.9	1.8 - 6.1	3.0	.002	.001	NEG.- .002	.00	.0003	.0002	1.33	1.08
UPDEGBIA PUGETTENSIS	3		3.9	2.0	1.5 - 2.4	.6	.002	.001	NEG.- .001	.00	.0005	.0001	.66	.72
CANCER SP.	3		1.5	.8	.3 - 1.2	.6	.000	.000	NEG.- NEG.	.00	.0001	0	.25	.06
CANCER MAGISTER	3		2.4	1.2	1.2 - 1.2	0	.143	.072	.069 - .074	.00	.0551	.0030	.41	56.55
PINNOTHERIDAE	4		2.4	1.2	2.4 - 2.4	1.7	.000	.000	NEG.- NEG.	.00	.0001	0	.41	.05
SAGITTA SP.	3		14.5	7.3	6.1 - 8.5	1.7	.010	.005	.002 - .007	.00	.0006	.0003	2.45	3.83
DIKOPLEURA SP.	A7		.9	.5	.9 - .9	.6	.000	.000	NEG.- NEG.	.00	.0000	0	.15	.01
TELEOSTEI	C		.3	.2	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	0	.05	.01
TELEOSTEI	+EGG		7.6	3.8	1.5 - 6.1	3.2	.004	.002	NEG.- .004	.00	.0005	.0001	1.27	1.67

TOTAL NUMBER OF PLANKTON CATEGORIES 36

SHANNON-WEINER DIVERSITY INDEX NUMBERS

3.22

* SITE SUMMARY *

IDENTIFICATION 80MY15
STATION 13006 - STEARN-S BLUFF BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	6.80	6.80-	0	0
TOTAL WET WEIGHT (PER M**3)	.014	.009-	.007	.483
TOTAL ABUNDANCE (PER M**3)	248.24	217.65-	43.26	.17
SAMPLE WET WEIGHT (PER M**3)	.012	.009-	.003	.283
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	BIC-MASS
HYDROZOA			4.7	2.4	4.7 -	3.3	.000	.000	NEG.-	.00	.0000	0	.95	.43
POLYNOIDA	K		1.2	.6	1.2 -	.8	.000	.000	NEG.-	.00	.0001	0	.24	.43
MESOGASTROPODA	6		2.4	1.2	1.2 -	0	.000	.000	NEG.-	0	.0001	0	.47	.85
BIVALVIA	C7		5.9	2.9	2.4 -	.8	.000	.000	NEG.-	0	.0000	.0000	1.18	.85
EVADNE SP.	C7		3.5	1.8	3.5 -	2.5	.000	.000	NEG.-	.00	.0000	0	.71	.43
PODON SP.	LC		4.7	2.4	4.7 -	3.3	.000	.000	NEG.-	.00	.0000	0	.95	.43
CALANOIDA	8		3.5	1.8	3.5 -	2.5	.000	.000	NEG.-	.00	.0000	0	.71	.43
CALANUS SP.	C		21.2	10.6	8.2 -	3.3	.001	.001	NEG.-	.00	.0001	.0001	4.27	4.70
PARACALANUS SP.	F		17.6	8.8	2.4 -	9.2	.001	.001	NEG.-	.00	.0001	.0000	3.55	4.70
PSEUDOCALANUS SP.	CB		7.1	3.5	2.4 -	1.7	.000	.000	NEG.-	0	.0000	.0000	1.42	.85
CENTROPAGES ABDOMINALIS	CA		110.6	55.3	4.7 -	6.7	.006	.003	NEG.-	.00	.0001	.0000	22.27	21.37
EURYTEMORA AMERICANA	A		28.2	14.1	60.0 -	6.7	.002	.001	NEG.-	.00	.0001	.0001	5.65	8.97
ACARTIA CLAUSI	LAB		65.9	32.9	9.4 -	13.3	.002	.001	NEG.-	.00	.0001	.0001	13.27	8.55
ACARTIA LONGIREMIS	AB		4.7	2.4	42.4 -	1.7	.000	.000	NEG.-	0	.0001	.0000	.95	.85
ACARTIA TONSA	C		37.6	18.8	1.2 -	13.3	.002	.001	NEG.-	0	.0001	.0001	7.58	8.55
HARPACTICUS SP.	A		3.5	1.8	28.2 -	.8	.000	.000	NEG.-	0	.0001	.0000	.71	.85
CORDYCAEUS ANGLICUS	CLB		1.2	.6	1.2 -	.8	.000	.000	NEG.-	.00	.0001	0	.24	.43
BALANOMORPHA	8		121.2	60.6	1.2 -	14.1	.005	.002	NEG.-	.00	.0001	.0000	24.41	17.09
LAMPROPIDAE	2E		4.7	2.4	70.6 -	0	.001	.001	NEG.-	.00	.0003	.0003	.95	4.70
LEUCON SP	C7		9.4	4.7	2.4 -	3.3	.001	.001	NEG.-	.00	.0001	.0001	1.90	4.70
CUMELLA SP.	87		7.1	3.5	7.1 -	3.3	.000	.000	NEG.-	0	.0001	.0001	1.42	.85
BOPYRIDAE	8C		1.2	.6	5.9 -	.8	.000	.000	NEG.-	.00	.0001	0	.24	.43
GAMMARIDEA	C		1.2	.6	1.2 -	.8	.000	.000	NEG.-	.00	.0001	0	.24	.43
COROPHIUM SP.	7		1.2	.6	1.2 -	.8	.000	.000	NEG.-	.00	.0001	0	.24	.43
EDGAMMARUS CONFERVICOLUS	7		3.5	1.8	1.2 -	.8	.001	.001	NEG.-	.00	.0003	.0003	.71	4.70
EUPHAUSIACEA	7		1.2	.6	2.4 -	.8	.000	.000	NEG.-	.00	.0001	0	.24	.43
SAGITTA SP.	6		1.2	.6	1.2 -	.8	.000	.000	NEG.-	.00	.0001	0	.24	.43
DIKOPLEURA SP.	7		8.2	4.1	1.2 -	.8	.000	.000	NEG.-	0	.0000	.0000	1.66	.85
TELEDSTEI	C		1.2	.6	4.7 -	.8	.000	.000	NEG.-	.00	.0001	0	.24	.43
UNIDENTIFIED EGG	6		11.8	5.9	1.2 -	6.7	.000	.000	NEG.-	.00	.0001	.0001	2.37	.85

TOTAL NUMBER OF PLANKTON CATEGORIES 30

SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.49
BIOMASS 3.74
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 3.35

* SITE SUMMARY *

IDENTIFICATION 80MY28
STATION 13006 - STEARN-S BLUFF BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	7.60	7.60-	0	0
TOTAL WET WEIGHT (PER M**3)	.007	7.60 .006-	.002	.212
TOTAL ABUNDANCE (PER M**3)	179.21	.008 178.95-	.37	.00
SAMPLE WET WEIGHT (PER M**3)	.008	179.47 .008-	.000	.046
SAMPLE DRY WEIGHT (PER M**3)	0	.008 0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				* AVG. BIOMASS		* PERCENTAGES	
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- DANCE	BIC- MASS
HYDRDIDA			1.6	.8	.5 -	.4	.000	.000	NEG.-	0	.0001	.0000	.44	.71
CORDYLOPHORA SP.	K		1.6	.8	1.1 -	1.1	.000	.000	NEG.-	.00	.0000	0	.44	.36
POLYCHAETA	D		.5	.3	1.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.15	.36
POLYNIDAE	6		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.15	.36
MESOGASTROPODA	7		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.15	.36
EVADNE SP.	7		1.6	.8	.5 -	.4	.000	.000	NEG.-	0	.0001	.0000	.44	.71
PODON SP.	L		1.1	.5	1.1 -	.7	.000	.000	NEG.-	.00	.0001	0	.29	.36
CALANUS SP.	8		7.4	3.7	1.6 -	3.0	.000	.000	NEG.-	0	.0000	.0000	2.06	.71
PARACALANUS SP.	F		41.6	20.8	5.8 -	.4	.001	.001	.001-	.00	.0001	.0000	11.60	17.66
PSEUDOCALANUS SP.	8		15.3	7.6	21.1 -	1.1	.000	.000	NEG.-	0	.0000	.0000	4.26	.71
SCOLECITHRICELLA MINOR	A		46.3	23.2	8.4 -	5.2	.001	.001	NEG.-	.00	.0000	.0000	12.92	14.29
METRIDIA SP.	8		.5	.3	26.2 -	.4	.000	.000	NEG.-	.00	.0001	0	.15	.36
CENTROPAGES ABDOMINALIS	F		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.15	.36
EURYTEMORA AMERICANA	AF		32.1	16.1	.5 -	1.1	.001	.001	NEG.-	.00	.0001	.0000	8.96	10.71
EPILABIDOCERA AMPHITRITES	8L		20.0	10.0	16.8 -	3.7	.000	.000	NEG.-	0	.0000	.0000	5.56	.71
ACARTIA CLAUSI	F		.5	.3	12.6 -	.4	.000	.000	NEG.-	.00	.0001	0	.15	.36
ACARTIA TONSA	A		62.1	31.1	.5 -	11.2	.001	.001	.001-	0	.0000	.0000	17.33	14.29
HARPACTICUS SP.	A		14.7	7.4	38.9 -	2.2	.000	.000	NEG.-	.00	.0000	.0000	4.11	3.63
CORDYCAEUS ANGLICUS	8		.5	.3	8.9 -	.4	.000	.000	NEG.-	.00	.0001	0	.15	.36
BALANOMORPHA	L8		4.2	2.1	.5 -	.7	.000	.000	NEG.-	0	.0000	.0000	1.17	.71
LAMPROPIDAE	E2		95.8	47.9	2.6 -	1.5	.002	.002	.001-	.00	.0000	.0000	26.73	21.43
CUMELLA SP.	C7		4.7	2.4	48.9 -	1.9	.000	.000	NEG.-	0	.0000	.0000	1.32	.71
BOPYRIDAE	7		1.1	.5	3.7 -	0	.000	.000	NEG.-	0	.0001	0	.29	.71
CRANGONIDAE	C		.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.15	.36
PINNOOTHERIDAE	3		1.6	.8	.5 -	.4	.000	.000	NEG.-	0	.0001	.0000	.44	.71
TELEOSTEI	4		.5	.3	1.1 -	.4	.001	.001	NEG.-	.00	.0010	0	.15	3.57
TELEOSTEI	+-EGG		1.1	.5	.5 -	0	.000	.000	NEG.-	0	.0001	0	.29	.71
TELEOSTEI	6		.5	.3	.5 -	.4	.001	.001	NEG.-	.00	.0010	0	.15	3.57

TOTAL NUMBER OF PLANKTON CATEGORIES 27

SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.23
BIOMASS 3.36
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 3.08

* SITE SUMMARY *

IDENTIFICATION 80JN10
STATION 13006 - STEARN-S BLUFF BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNDT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	5.50	5.50-	0	0
TOTAL WET WEIGHT (PER M**3)	.073	.067-.078	.007	.099
TOTAL ABUNDANCE (PER M**3)	1525.62	1230.55-1821.09	417.58	.27
SAMPLE WET WEIGHT (PER M**3)	.073	.067-.079	.008	.113
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN-DANCE	BIC-MASS
HYDROIDA			2.9	1.5	2.9 -	2.1	.000	.000	NEG.-	.00	.0000	0	.10	.20
SPIONIDAE	K		2.9	1.5	2.9 -	2.1	.000	.000	NEG.-	.00	.0000	0	.10	.20
MESOGASTROPODA	6		2.9	1.5	2.9 -	2.1	.000	.000	NEG.-	.00	.0000	0	.10	.20
MYTILIDAE	+EGG		2.9	1.5	2.9 -	2.1	.000	.001	.003-	.00	.0000	0	.10	2.00
VENERIDAE	7		6.7	4.4	2.9 -	2.1	.001	.000	NEG.-	0	.0000	.0000	.29	.40
EVADNE SP.	7		2.9	1.5	2.9 -	2.1	.000	.000	NEG.-	.00	.0000	0	.10	.20
PODON SP.	L		23.3	11.6	8.7 -	4.1	.001	.000	NEG.-	0	.0000	.0000	.76	.40
COPEPODA	8L		14.5	7.3	14.5 -	10.3	.000	.000	NEG.-	.00	.0000	0	.40	.20
CALANUS SP.	2		229.8	114.9	104.7 -	14.4	.012	.006	.006-	0	.0000	.0000	7.53	8.02
PARACALANUS SP.	F		20.4	10.2	5.8 -	6.2	.001	.000	NEG.-	0	.0000	.0000	.67	.40
PSEUDOCALANUS SP.	8		56.2	29.1	17.5 -	16.5	.003	.002	NEG.-	.00	.0000	.0000	1.91	2.20
CENTROPAGES ABDOMINALIS	F		1070.5	535.3	459.6 -	107.0	.067	.033	.003-	.01	.0000	.0000	35.08	46.09
EURYTEMORA AMERICANA	A		221.1	110.5	610.9 -	4.1	.012	.006	.006-	0	.0000	.0000	7.24	8.02
EPILABIDOCERA AMPHITRITES	8L		5.8	2.9	2.9 -	0	.001	.000	NEG.-	0	.0000	0	.19	.40
ACARTIA CLAUSI	F		174.5	87.3	64.0 -	32.9	.006	.003	.003-	0	.0000	.0000	5.72	4.01
ACARTIA LONGIREMIS	A		37.8	18.9	110.5 -	10.3	.001	.000	NEG.-	0	.0000	.0000	1.24	.40
ACARTIA TONSA	A8		96.0	48.0	26.2 -	2.1	.006	.003	NEG.-	0	.0000	.0000	3.15	4.01
HALICYCLOPS SP.	A		2.9	1.5	49.5 -	2.1	.000	.000	.003-	.00	.0000	0	.10	.20
BALANOMORPHA	8		989.1	494.5	2.9 -	213.9	.026	.013	NEG.-	.00	.0000	.0000	32.41	18.04
LAMPROPIDAE	2E		5.8	2.9	645.8 -	0	.001	.000	.015-	0	.0000	0	.19	.40
LEUCON SP	C7		11.6	5.8	2.9 -	4.1	.001	.000	NEG.-	0	.0000	.0000	.38	.40
CUMELLA SP.	7		26.2	13.1	8.7 -	6.2	.001	.000	NEG.-	0	.0000	.0000	.86	.40
BOPYRIDAE	C		11.6	5.8	17.5 -	4.1	.001	.000	NEG.-	0	.0000	.0000	.38	.40
CRANGONIDAE	C		17.5	8.7	8.7 -	0	.003	.002	NEG.-	.00	.0002	.0002	.57	2.20
DIKOPLEURA SP.	3		9.7	4.4	8.7 -	2.1	.001	.000	.003-	0	.0000	.0000	.29	.40
UNIDENTIFIED EGG	C		2.9	1.5	5.8 -	2.1	.000	.000	NEG.-	.00	.0000	0	.10	.20
	+EGG				2.9 -				NEG.-					

TOTAL NUMBER OF PLANKTON CATEGORIES 26

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.64

BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.62

SHANNON-WEINER DIVERSITY INDEX BICMASS 2.72

NERITIC PLANKTON ANALYSIS

SITE TABLE, PAGE 1

* SITE SUMMARY *

IDENTIFICATION 80JN26
STATION 13006 - STEARN-S BLUFF BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	4.70	4.70-	0	0
TOTAL WET WEIGHT (PER M**3)	.019	.014-.025	.008	.404
TOTAL ABUNDANCE (PER M**3)	391.49	204.26-578.72	264.79	.68
SAMPLE WET WEIGHT (PER M**3)	.019	.014-.024	.007	.386
SAMPLE DRY WEIGHT (PER M**3)	0	C-	0	C

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BICPASS		PERCENTAGES		
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	BIC-MASS
NEMATODA			20.4	10.2	20.4 -	14.4	.000	.000	NEG.-	.00	.0000	C	2.61	.69
SPIONIDAE	C		3.4	1.7	3.4 -	2.4	.000	.000	NEG.-	.00	.0001	C	.43	.89
MESOGASTROPODA	6		3.4	1.7	3.4 -	2.4	.000	.000	NEG.-	.00	.0001	C	.43	.89
BIVALVIA	7		6.8	3.4	6.8 -	4.8	.000	.000	NEG.-	.00	.0001	C	.87	.89
VENERIDIA	7		3.4	1.7	3.4 -	2.4	.003	.002	.003-	.00	.0010	C	.43	8.92
MACOMA SP.	7		27.2	13.6	27.2 -	19.3	.000	.000	NEG.-	.00	.0000	0	3.48	.89
CALANUS SP.	7		3.4	1.7	3.4 -	2.4	.000	.000	NEG.-	.00	.0001	C	.43	.89
PSEUDOCALANUS SP.	F		6.8	3.4	6.8 -	4.8	.000	.000	NEG.-	.00	.0001	C	.87	.89
CENTROPAGES ABDOMINALIS	F		44.3	22.1	17.0 -	7.2	.004	.002	NEG.-	.00	.0001	.0001	5.65	5.62
EUPYTEMORA AMERICANA	A		34.0	17.0	10.2 -	9.6	.001	.000	NEG.-	.00	.0000	.0000	4.35	1.79
ACARTIA CLAUSI	B		61.3	30.6	23.8 -	9.6	.001	.000	NEG.-	.00	.0000	.0000	7.83	1.79
ACARTIA TONSA	A		3.4	1.7	3.4 -	2.4	.000	.000	NEG.-	.00	.0001	C	.43	.89
HARPACTICOIDA	C		6.8	3.4	6.8 -	4.8	.000	.000	NEG.-	.00	.0001	0	.87	.89
ZAUS SP.	8		3.4	1.7	3.4 -	2.4	.000	.000	NEG.-	.00	.0001	0	.43	.89
BRYOCAMPTUS SP.	8		10.2	5.1	10.2 -	7.2	.000	.000	NEG.-	.00	.0000	0	1.30	.89
BALANOMORPHA	8		330.2	165.1	330.2 -	233.5	.007	.003	.007-	.00	.0000	C	42.17	17.86
LAMPROPIDAE	2		17.0	8.5	17.0 -	12.0	.007	.003	.007-	.00	.0004	0	2.17	17.86
LEUCON SP	A		74.9	37.4	27.2 -	14.4	.007	.003	.003-	.00	.0001	.0000	9.57	17.86
CUMELLA SP.	7		91.9	46.0	34.0 -	16.9	.004	.002	NEG.-	.00	.0000	.0000	11.74	5.82
COROPHIUM SP.	A		6.8	3.4	6.8 -	4.8	.000	.000	.003-	.00	.0001	0	.87	.89
CRANGONIDAE	7		13.6	6.8	3.4 -	4.8	.001	.000	NEG.-	.00	.0001	.0000	1.74	1.79
TELEOSTEI	3		10.2	5.1	3.4 -	2.4	.001	.000	NEG.-	.00	.0001	.0000	1.30	1.79
	6				6.8				NEG.-					

TOTAL NUMBER OF PLANKTON CATEGORIES 22

SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.06
BICMASS 3.44
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.98

NERITIC PLANKTON ANALYSIS

* SITE SUMMARY *

IDENTIFICATION 80JY08
STATION 13006 - STEARN-S BLUFF BS/PS
FROM SAMPLES D 1 D 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	9.30	9.30-	0	0
TOTAL WET WEIGHT (PER M**3)	.012	.009- 9.30 .015	.004	.343
TOTAL ABUNDANCE (PER M**3)	252.47	193.96- 310.97	82.72	.33
SAMPLE WET WEIGHT (PER M**3)	.013	.009- .017	.005	.411
SAMPLE DRY WEIGHT (PER M**3)	0	0- C	0	0

ORGANISM NAME PARTS CODE	* LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				* AVE. BIOMASS		* PERCENTAGES	
		* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* DANCE	BIC- MASS
MACOMA SP.		2.2	1.1	.9 - 1.3	.3	.000	.000	NEG.- NEG.	0	.0000	.0000	.43	.35
PODON SP.	7	22.8	11.4	10.3 - 12.5	1.5	.000	.000	NEG.- NEG.	.00	.0000	.0000	4.51	1.90
CENTROPAGES ABDOMINALIS	8	1.7	.9	.9 - .9	0	.000	.000	NEG.- NEG.	0	.0001	0	.34	.35
EURYTEMORA AMERICANA	8F	12.9	6.5	3.0 - 9.9	4.9	.000	.000	NEG.- NEG.	0	.0000	.0000	2.56	.35
EPILABIDOCERA AMPHITRITES	8LA F	.4	.2	.4 - .4	.3	.000	.000	NEG.- NEG.	.00	.0001	0	.09	.17
ACARTIA CLAUSI		1.3	.6	1.3 - 1.3	.9	.000	.000	NEG.- NEG.	.00	.0000	0	.26	.17
ACARTIA TONSA	C	1.3	.6	.4 - .9	.3	.000	.000	NEG.- NEG.	0	.0001	.0000	.26	.35
ZAUS SP.	8C	1.3	.6	.4 - .9	.3	.000	.000	NEG.- NEG.	0	.0001	.0000	.26	.35
BALANIDORPHA	8	419.4	209.7	159.6 - 259.8	70.9	.013	.007	.006- .008	.00	.0000	.0000	83.05	53.63
MEGALYSIS INTEGER	2	.4	.2	.4 - .4	.3	.005	.002	.005- .005	.00	.0110	0	.09	19.03
LAMPROPIDAE	8	4.3	2.2	.9 - 3.4	1.8	.000	.000	NEG.- NEG.	0	.0000	.0000	.85	.35
LEUCON SP	7	10.3	5.2	3.9 - 6.5	1.8	.000	.000	NEG.- NEG.	.00	.0000	.0000	2.04	1.90
CUMELLA SP.	7	5.2	2.6	1.3 - 3.9	1.8	.000	.000	NEG.- NEG.	0	.0000	.0000	1.02	.35
CRANGONIDAE	7A	9.5	4.7	4.7 - 4.7	0	.002	.001	NEG.- NEG.	0	.0002	0	1.87	6.92
TELEOSTEI	3	2.2	1.1	2.2 - 2.2	1.5	.000	.000	NEG.- NEG.	.00	.0002	0	.43	1.73
ENGRAULIS MORDAX	6	7.7	3.9	3.4 - 4.3	.6	.002	.001	NEG.- NEG.	.00	.0003	.0000	1.53	8.65
GOBIIDAE	+EGG 6	2.2	1.1	2.2 - 2.2	1.5	.001	.000	NEG.- NEG.	.00	.0004	0	.43	3.46

TOTAL NUMBER OF PLANKTON CATEGORIES 17

SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.21
BIOMASS 2.23
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.15

NERITIC PLANKTON ANALYSIS

* SITE SUMMARY *

IDENTIFICATION 80JY22
STATION 13G06 - STEARN-S BLUFF BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNDT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	CCEF.VAR
SAMPLE VOLUME (M**3)	3.90	3.90-	0	C
TOTAL WET WEIGHT (PER M**3)	.000	.000-	.000	.676
TOTAL ABUNDANCE (PER M**3)	5.64	4.36-	1.81	.32
SAMPLE WET WEIGHT (PER M**3)	.000	.000-	.000	.471
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			S.D.	WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
			TOTAL	MEAN	RANGE		TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	BIC-PASS
PODON SP.			3.8	1.9	1.5 -	.5	.000	.000	NEG.-	0	.0000	.0000	34.09	8.70
	L				2.3	.2	.000	.000	NEG.-	.00	.0001	0	2.27	4.35
COPEPODA			.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0001	C	2.27	4.35
	2				.3	.2	.000	.000	NEG.-	.00	.0001	C	2.27	4.35
CENTROPAGES ABDOMINALIS			.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0001	C	2.27	4.35
	F				.3	.2	.000	.000	NEG.-	.00	.0001	C	2.27	4.35
THALESTRIDAE			.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0001	C	2.27	4.35
	L				.3	.2	.000	.000	NEG.-	.00	.0001	C	2.27	4.35
BALANOMORPHA			2.6	1.3	.5 -	1.1	.000	.000	NEG.-	0	.0000	.0000	22.73	8.70
	2				2.1	.2	.000	.000	NEG.-	.00	.0001	C	2.27	4.35
BOPYRIDAE			.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	2.27	4.35
	C				.3	.2	.000	.000	NEG.-	.00	.0001	0	2.27	4.35
COROPHIUM SP.			.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	2.27	4.35
	7				.3	.2	.000	.000	NEG.-	.00	.0001	.0001	18.18	47.83
CRANGONIDAE			2.1	1.0	.8 -	.4	.000	.000	NEG.-	.00	.0001	0	4.55	4.35
	3				1.3	.4	.000	.000	NEG.-	.00	.0001	0	4.55	4.35
PINNOTHERIDAE			.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	6.82	4.35
	3				.5	.4	.000	.000	NEG.-	.00	.0001	0	6.82	4.35
TELEOSTEI			.8	.4	.8 -	.5	.000	.000	NEG.-	.00	.0001	0	6.82	4.35
	+EGG				.8	.5	.000	.000	NEG.-	.00	.0001	0	6.82	4.35
ENGRAULIS MORDAX			.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0001	C	2.27	4.35
	+EGG				.3	.2	.000	.000	NEG.-	.00	.0001	C	2.27	4.35

TOTAL NUMBER OF PLANKTON CATEGORIES 11

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.67
BIOMASS 2.70
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.04

* SITE SUMMARY *

IDENTIFICATION 8CAU06
STATION 13006 - STEARN-S BLUFF BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEFF.VAR
SAMPLE VOLUME (M**3)	5.20	5.20-	0	0
TOTAL WET WEIGHT (PER M**3)	.015	.011-	.005	.366
TOTAL ABUNDANCE (PER M**3)	298.46	297.69-	1.09	.00
SAMPLE WET WEIGHT (PER M**3)	.016	.011-	.007	.448
SAMPLE DRY WEIGHT (PER M**3)	0	C-	0	C

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			S.D.	WET WEIGHT, GRAMS/M**3				AVG. BICMASS		PERCENTAGES	
			TOTAL	MEAN	RANGE		TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	BIC-MASS
HYDRIDA			.8	.4	.8 -	.5	.001	.000	NEG.-	.00	.0010	0	.13	2.59
MESOGASTROPODA	K		2.3	1.2	2.3 -	1.6	.000	.000	NEG.-	.00	.0000	0	.39	.26
BIVALVIA	7		88.5	44.2	41.5 -	3.8	.005	.002	NEG.-	0	.0001	.0000	14.82	15.54
EVADNE SP.	C		.8	.4	.8 -	.5	.000	.000	NEG.-	.00	.0001	0	.13	.26
PODON SP.	L		3.8	1.9	.8 -	1.6	.000	.000	NEG.-	0	.0001	.0001	.64	.52
COPEPODA	L		.8	.4	.8 -	.5	.000	.000	NEG.-	.00	.0001	0	.13	.26
PSEUDOCALANUS SP.	2		1.5	.8	.8 -	0	.000	.000	NEG.-	0	.0001	0	.26	.52
CENTROPAGES ABDOMINALIS	FB		.8	.4	.8 -	.5	.000	.000	NEG.-	.00	.0001	0	.13	.26
EURYTEMORA AMERICANA	F		37.7	18.8	10.8 -	11.4	.001	.000	NEG.-	.00	.0000	.0000	6.31	2.85
ACARTIA LONGIREMIS	8L		.8	.4	.8 -	.5	.000	.000	NEG.-	.00	.0001	0	.13	.26
ACARTIA TONSA	8		10.8	5.4	3.8 -	2.2	.000	.000	NEG.-	0	.0000	.0000	1.80	.52
THALESTRIDAE	C		2.3	1.2	2.3 -	1.6	.000	.000	NEG.-	.00	.0000	0	.39	.26
BALANOMORPHA	8L		383.8	191.9	172.3 -	27.7	.008	.004	NEG.-	.00	.0000	.0000	64.30	25.91
MYSIDACEA-MYSIDA	2E		3.1	1.5	.8 -	1.1	.000	.000	NEG.-	0	.0001	.0000	.52	.52
LAMPROPS SP.	7		13.1	6.5	3.8 -	3.8	.002	.001	NEG.-	0	.0001	.0001	2.19	5.18
LEUCON SP.	A		10.0	5.0	3.8 -	1.6	.000	.000	NEG.-	0	.0000	.0000	1.68	.52
CUMELLA SP.	C		10.8	5.4	4.6 -	1.1	.000	.000	NEG.-	0	.0000	.0000	1.80	.52
BOPYRIDAE	8		1.5	.8	1.5 -	1.1	.000	.000	NEG.-	.00	.0001	0	.26	.26
GAMMARIDEA	C		.8	.4	.8 -	.5	.000	.000	NEG.-	.00	.0001	0	.13	.26
CRANGONIDAE	7		7.7	3.8	3.1 -	1.1	.001	.000	NEG.-	.00	.0001	.0001	1.29	2.85
PINNOTHERIDAE	3		.8	.4	.8 -	.5	.000	.000	NEG.-	.00	.0001	0	.13	.26
HEMIGRAPUS SP.	3		2.3	1.2	.8 -	.5	.000	.000	NEG.-	0	.0001	.0000	.39	.52
ENGRAULIS MORDAX	3		.8	.4	.8 -	.5	.000	.000	NEG.-	.00	.0001	0	.13	.26
GOBIIDAE	+EGG		11.5	5.8	3.1 -	3.8	.012	.006	NEG.-	.01	.0000	.0005	1.93	38.86

TOTAL NUMBER OF PLANKTON CATEGORIES 24

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.01
BICKMASS 2.60
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.93

* SITE SUMMARY *

IDENTIFICATION B0AU25
STATION 13006 - STEARN-S BLUFF BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	7.80	7.80-	0	0
TOTAL WET WEIGHT (PER M**3)	.014	.010- 7.80 .018	.005	.390
TOTAL ABUNDANCE (PER M**3)	292.31	261.03- 323.59	44.24	.15
SAMPLE WET WEIGHT (PER M**3)	.014	.010- .018	.005	.386
SAMPLE DRY WEIGHT (PER M**3)	0	0- C	0	0

ORGANISM NAME		NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
PARTS CODE	LH-STAGE	* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- DANCE	BIC- PASS
HYDRIDIA		2.6	1.3	.5 -	1.1	.000	.000	NEG.-	0	.0001	.0001	.44	.37
SPIONIDAE	K	.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.09	.19
MESOGASTROPODA	6	1.0	.5	1.0 -	.7	.000	.000	NEG.-	.00	.0001	0	.18	.19
BIVALVIA	7	2.1	1.0	2.1 -	1.5	.000	.000	NEG.-	.00	.0000	0	.35	.19
ARTHROPODA PYCNOGONIDA	7	.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.09	.19
EVADNE SP.	7	1.0	.5	1.0 -	.7	.000	.000	NEG.-	.00	.0001	0	.18	.19
PODDON SP.	L	20.5	10.3	9.7 -	.7	.000	.000	NEG.-	0	.0000	.0000	3.51	.37
COPEPODA	L	.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.09	.19
CALANUS SP.	C	.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.09	.19
PSEUDOCALANUS SP.	F	.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.09	.19
CENTROPAGES ABDOMINALIS	F	1.5	.8	.5 -	.4	.000	.000	NEG.-	0	.0001	.0000	.26	.37
EURYTEMORA AMERICANA	8F	50.3	25.1	20.5 -	6.5	.002	.001	NEG.-	.00	.0000	.0000	8.60	5.60
ACARTIA SP.	ALB	.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.09	.19
ACARTIA CLAUSI	F	13.8	6.9	3.6 -	4.7	.000	.000	NEG.-	0	.0000	.0000	2.37	.37
ACARTIA LONGIREMIS	AB	1.5	.8	.5 -	.4	.000	.000	NEG.-	0	.0001	.0000	.26	.37
ACARTIA TONSA	8	4.6	2.3	2.1 -	.4	.000	.000	NEG.-	0	.0000	.0000	.79	.37
HARPACTICOIDA	8	1.0	.5	1.0 -	.7	.000	.000	NEG.-	.00	.0001	0	.18	.19
ZAUS SP.	8	1.5	.8	.5 -	.4	.000	.000	NEG.-	0	.0001	.0000	.26	.37
THALESTRIDAE	LBF	4.1	2.1	1.5 -	.7	.000	.000	NEG.-	0	.0000	.0000	.70	.37
BALANOMORPHA	L8	427.7	213.8	190.3 -	33.4	.006	.004	.003-	.00	.0000	.0000	73.16	27.99
MYSIDACEA-MYSIDA	2E	2.6	1.3	.5 -	1.1	.000	.000	NEG.-	0	.0001	.0001	.44	.37
LAMPROPS SP.	7	6.7	3.3	2.1 -	1.8	.000	.000	NEG.-	0	.0000	.0000	1.14	.37
LEUCON SP.	C	12.3	6.2	5.1 -	1.5	.001	.001	NEG.-	0	.0001	.0000	2.11	3.73
CUMELLA SP.	AC	17.4	8.7	7.2 -	2.2	.002	.001	NEG.-	.00	.0001	.0000	2.98	5.60
PANCOLUS CALIFORNIENSIS	8A	.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.09	.19
BOPYRIDAE	8	1.0	.5	1.0 -	.7	.000	.000	NEG.-	.00	.0001	0	.18	.19
EDGAMMARUS SP.	7	1.0	.5	1.0 -	.7	.000	.000	NEG.-	.00	.0001	0	.18	.19
EUPHAUSIACEA	7	2.1	1.0	2.1 -	1.5	.000	.000	NEG.-	.00	.0000	0	.35	.19
DIKOPLEURA SP.	6	3.1	1.5	1.0 -	.7	.000	.000	NEG.-	0	.0000	.0000	.53	.37
ENGRAULIS MORDAX	C	.5	.3	.5 -	.4	.010	.005	.010-	.01	.0200	0	.09	27.31
GDBIIDAE	6	1.0	.5	.5 -	0	.004	.002	NEG.-	.00	.0003	.0003	.18	13.06

TOTAL NUMBER OF PLANKTON CATEGORIES 31

SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.78
BIOMASS 2.64
BRYLIDIN-S DIVERSITY INDEX BASED ON NUMBERS 1.60

SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGORNT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

 * SITE SUMMARY *

	MEAN	RANGE	S.D.	COEFF.VAR
SAMPLE VOLUME (M**3)	5.00	5.00-5.00	0	0
TOTAL WET WEIGHT (PER M**3)	.002	.002-.003	.000	.051
TOTAL ABUNDANCE (PER M**3)	75.00	73.00-77.00	2.03	.04
SAMPLE WET WEIGHT (PER M**3)	.003	.003-.003	.000	.094
SAMPLE DRY WEIGHT (PER M**3)	0	0-0	0	0

IDENTIFICATION BOSE09
 STATION 13006 - STEARN-S BLUFF BS/PS
 FROM SAMPLES G 1 D 2

ORGANISM NAME	PARTS CODE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BICPASS		PERCENTAGES		
		LH-STAGE	TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	BIC-PASS
HYDROZOA	K		1.6	.8	1.6 - 1.6	1.1	.000	.000	NEG.-NEG.	.00	.0000	C	1.07	.40
HYDROICA	K		2.8	1.4	2.8 - 2.8	2.0	.000	.000	NEG.-NEG.	.00	.0000	C	1.07	.40
NEMATODA	C		.2	.1	.2 - .2	.1	.000	.000	NEG.-NEG.	.00	.0001	C	.13	.40
POLYCHAETA	6		.4	.2	.4 - .4	.3	.000	.000	NEG.-NEG.	.00	.0001	0	.27	.40
SPIONIDAE	6		.6	.3	.6 - .6	.4	.000	.000	NEG.-NEG.	.00	.0000	C	.40	.40
BIVALVIA	7		.2	.1	.2 - .2	.1	.000	.000	NEG.-NEG.	.00	.0001	0	.13	.40
EVADNE SP.	BLA		13.8	6.9	6.8 - 7.0	.1	.000	.000	NEG.-NEG.	.00	.0000	.0000	9.20	4.42
PODOP SP.	AL		11.8	5.9	5.8 - 6.0	.1	.000	.000	NEG.-NEG.	C	.0000	.0000	7.87	8.03
COPEPODA	2		.4	.2	.4 - .4	.3	.000	.000	NEG.-NEG.	.00	.0001	C	.27	.40
CALANUS SP.	C		.2	.1	.2 - .2	.1	.000	.000	NEG.-NEG.	.00	.0001	0	.13	.40
PARACALANUS SP.	CB		.8	.4	.2 - .6	.3	.000	.000	NEG.-NEG.	C	.0001	.0000	.53	.80
PSEUDOCALANUS SP.	B		1.6	.8	.8 - .8	0	.000	.000	NEG.-NEG.	C	.0000	0	1.07	.80
EUCHAETA SP.	F		.2	.1	.2 - .2	.1	.000	.000	NEG.-NEG.	.00	.0001	C	.13	.40
CENTROPAGES ABDOMINALIS	BA		5.8	2.9	2.8 - 3.0	.1	.000	.000	NEG.-NEG.	0	.0001	.0000	3.87	8.03
EURYTEMORA AMERICANA	B		.8	.4	.8 - .8	.6	.000	.000	NEG.-NEG.	.00	.0000	0	.53	.40
EPILABIDOCERA AMPHITRITES	CA		.8	.4	.2 - .6	.3	.000	.000	NEG.-NEG.	.00	.0002	.0002	.53	4.42
ACARTIA CLAUSI	B		4.2	2.1	.8 - 3.4	1.8	.000	.000	NEG.-NEG.	.00	.0000	.0000	2.80	4.42
ACARTIA LONGIREMIS	B		7.8	3.9	2.6 - 5.2	1.8	.000	.000	NEG.-NEG.	C	.0001	.0000	5.20	8.03
ACARTIA TONSA	B		.4	.2	.4 - .4	.3	.000	.000	NEG.-NEG.	.00	.0001	C	.27	.40
SCOTTOLANA CANADENSIS	B		.2	.1	.2 - .2	.1	.000	.000	NEG.-NEG.	.00	.0001	0	.13	.40
ZAUS SP.	B		.2	.1	.2 - .2	.1	.000	.000	NEG.-NEG.	.00	.0001	C	.13	.40
THALESTRIDAE	C		.2	.1	.2 - .2	.1	.000	.000	NEG.-NEG.	.00	.0001	0	.13	.40
CORDYCAEUS ANGLICUS	B		.4	.2	.4 - .4	.3	.000	.000	NEG.-NEG.	.00	.0001	0	.27	.40
MALICYCLOPS SP.	C		.6	.3	.6 - .6	.4	.000	.000	NEG.-NEG.	.00	.0000	C	.40	.40
BALANODRPHA	2E		87.6	43.8	39.0 - 48.6	6.8	.002	.001	.001-.001	.00	.0000	.0000	58.40	44.18
LELCON SP	B		.2	.1	.2 - .2	.1	.000	.000	NEG.-NEG.	.00	.0001	C	.13	.40
BOPYRIDAE	C		.2	.1	.2 - .2	.1	.000	.000	NEG.-NEG.	.00	.0001	C	.13	.40
GAMMARIDEA	7		.2	.1	.2 - .2	.1	.000	.000	NEG.-NEG.	.00	.0001	0	.13	.40
COROPHIUM SP.	7		.2	.1	.2 - .2	.1	.000	.000	NEG.-NEG.	.00	.0001	0	.13	.40
EDGAMMARUS CONFERVICOLLS	7		.2	.1	.2 - .2	.1	.000	.000	NEG.-NEG.	.00	.0001	C	.13	.40
CRANGONIDAE	3		.4	.2	.4 - .4	.3	.000	.000	NEG.-NEG.	.00	.0001	C	.27	.40
PINNOTHERIDAE	3		2.2	1.1	.8 - 1.4	.4	.000	.000	NEG.-NEG.	0	.0000	.0000	1.47	.80
DIPTERA-CHIRONOMIDAE	B		.4	.2	.2 - .2	0	.000	.000	NEG.-NEG.	C	.0001	C	.27	.80
HYMENOPTERA	B		.4	.2	.4 - .4	.3	.000	.000	NEG.-NEG.	.00	.0000	0	.27	4.02
GYMNOLAEMATA	X		.2	.1	.2 - .2	.1	.000	.000	NEG.-NEG.	.00	.0001	0	.13	.40
DIKOPLEURA SP.	C		.8	.4	.4 - .4	0	.000	.000	NEG.-NEG.	0	.0001	0	.53	.80
TELEOSTEI	+EGG		.8	.4	.4 - .4	0	.000	.000	NEG.-NEG.	0	.0001	0	.53	.80
UNIDENTIFIED EGG	+EGG		.2	.1	.2 - .2	.1	.000	.000	NEG.-NEG.	.00	.0001	C	.13	.40

TOTAL NUMBER OF PLANKTON CATEGORIES 38

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.55

* SITE SUMMARY *

IDENTIFICATION 80SE23
STATION 13006 - STEARN-S BLUFF BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	4.40	4.40-	0	0
TOTAL WET WEIGHT (PER M**3)	.006	4.40 .006-	.000	.058
TOTAL ABUNDANCE (PER M**3)	142.16	.007 137.95-	5.95	.04
SAMPLE WET WEIGHT (PER M**3)	0.006	146.36 .005-	.001	.170
SAMPLE DRY WEIGHT (PER M**3)	0	.006 0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVE. BIOMASS		PERCENTAGES		
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	PEAN	S.D.	* ABLN- * CANCE	BIC- MASS
HYDROZOA			.2	.1	.2 -	.2	.000	.000	NEG.-	.00	.0001	0	.08	.18
HYDROIDA	CK		.5	.2	.2 -	.3	.000	.000	NEG.-	.00	.0001	0	.16	.18
HALACARIDAE	K		.2	.1	.2 -	.2	.000	.000	NEG.-	.00	.0001	0	.08	.18
EVADNE SP.	C		118.9	59.4	50.5 -	12.7	.004	.002	.002-	.00	.0000	.0000	41.81	33.75
PODON SP.	LB		5.7	2.8	68.4 2.5 -	.5	.000	.000	NEG.-	.00	.0000	.0000	2.00	1.95
COPEPODA	A		.5	.2	3.2 .5 -	.3	.000	.000	NEG.-	.00	.0001	0	.16	.18
CALANUS SP.	2		.9	.5	.5 -	0	.000	.000	NEG.-	.00	.0003	.0003	.32	1.95
PARACALANUS SP.	FA		6.8	3.4	3.4 -	0	.000	.000	NEG.-	0	.0001	0	2.40	3.55
PSEUDOCALANUS SP.	B		47.3	23.6	3.4 21.4 -	3.2	.003	.001	.001-	0	.0001	.0000	16.63	21.31
CENTROPAGES ABDOMINALIS	A		5.2	2.6	25.9 2.0 -	.8	.000	.000	NEG.-	0	.0001	.0000	1.84	2.55
EURYTEMORA AMERICANA	AB		1.1	.6	3.2 .5 -	.2	.000	.000	NEG.-	0	.0000	.0000	.40	.36
EPILABIDOCERA AMPHITRITES	B		.2	.1	.7 .2 -	.2	.000	.000	NEG.-	.00	.0001	0	.08	.18
ACARTIA SP.	B		.9	.5	.2 .9 -	.6	.000	.000	NEG.-	.00	.0000	0	.32	.18
ACARTIA CLAUSI	C		2.7	1.4	.9 1.1 -	.3	.000	.000	NEG.-	0	.0000	.0000	.96	.36
ACARTIA LONGIREMIS	BC		83.0	41.5	1.6 33.9 -	10.8	.004	.002	.001-	.00	.0000	.0000	29.18	28.42
ACARTIA TONSA	AB		2.0	1.0	49.1 .9 -	.2	.000	.000	NEG.-	0	.0000	.0000	.72	.36
BALANOMORPHA	B		5.5	2.7	1.1 2.7 -	0	.000	.000	NEG.-	0	.0000	0	1.92	.36
MYSIDACEA-MYSIDA	2)		.5	.2	.7 .5 -	.3	.000	.000	NEG.-	.00	.0001	0	.16	.18
LEUCON SP	7		.2	.1	.2 .2 -	.2	.000	.000	NEG.-	.00	.0001	0	.08	.18
EUPHAUSIACEA	8		.7	.3	.2 .5 -	.2	.000	.000	NEG.-	0	.0001	.0000	.24	.26
CRANGONIDAE	6		.9	.5	.2 .7 -	.3	.000	.000	NEG.-	.00	.0002	.0002	.32	1.95
PINNOTHERIDAE	36		.2	.1	.2 .2 -	.2	.000	.000	NEG.-	.00	.0001	0	.08	.18
DIKOPLEURA SP.	3		.2	.1	.2 .2 -	.2	.000	.000	NEG.-	.00	.0001	0	.08	.18

TOTAL NUMBER OF PLANKTON CATEGORIES 23

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.27
BIOMASS 2.50
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.16

* SITE SUMMARY *

IDENTIFICATION 800C06
STATION 13006 - STEARN-S BLUFF BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEFF.VAR
SAMPLE VOLUME (M**3)	6.50	6.50-	0	0
TOTAL WET WEIGHT (PER M**3)	.004	.003- .005	.001	.276
TOTAL ABUNDANCE (PER M**3)	107.54	85.23- 129.85	31.55	.29
SAMPLE WET WEIGHT (PER M**3)	.004	.003- .005	.001	.283
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVE. BICPASS		PERCENTAGES	
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN- DANCE	BIC- PASS
HYDROIDA			5.1	2.5	.6 - 4.5	2.7	.000	.000	NEG.- NEG.	.00	.0000	.0000	2.36	.59
SPIDNIDAE	K		.5	.2	.5 - .5	.3	.000	.000	NEG.- NEG.	.00	.0000	.0000	0	.21
BIVALVIA	6		.2	.1	.2 - .2	.1	.000	.000	NEG.- NEG.	.00	.0001	.0000	0	.07
ARANEAE	7		.2	.1	.2 - .2	.1	.000	.000	NEG.- NEG.	.00	.0001	.0000	0	.07
EVADNE SP.	8		2.8	1.4	2.8 - 2.8	2.0	.000	.000	NEG.- NEG.	.00	.0000	.0000	0	1.29
EVADNE NORDMANNI	LB		17.8	6.9	17.8 - 17.8	12.6	.000	.000	NEG.- NEG.	.00	.0000	.0000	0	8.30
PODON SP.	LA		57.7	28.8	26.2 - 31.5	3.8	.002	.002	.001- .002	.00	.0001	.0000	26.82	42.57
CALANUS SP.	LAB		.3	.2	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	.0000	0	.14
PARACALANUS SP.	F		2.6	1.3	.6 - 2.0	1.0	.000	.000	NEG.- NEG.	.00	.0000	.0000	1.22	.59
PSEUDOCALANIDAE	8		.2	.1	.2 - .2	.1	.000	.000	NEG.- NEG.	.00	.0001	.0000	0	.07
CLAUSOCALANUS PARAPERGENS	F		.3	.2	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	.0000	0	.14
PSEUDOCALANUS SP.	8		2.8	1.4	.6 - 2.2	1.1	.000	.000	NEG.- NEG.	.00	.0000	.0000	1.29	.59
CENTROPAGES ABDOMINALIS	FA		11.1	5.5	5.2 - 5.8	.4	.001	.000	NEG.- NEG.	0	.0001	.0000	5.15	7.81
EURYTEMORA AMERICANA	A		1.4	.7	.3 - 1.1	.5	.000	.000	NEG.- NEG.	.00	.0001	.0001	.64	.59
EPILABIDOCERA AMPHITRITES	BL		2.8	1.4	1.2 - 1.5	.2	.000	.000	NEG.- NEG.	.00	.0000	.0000	1.29	.59
ACARTIA SP.	F		.2	.1	.2 - .2	.1	.000	.000	NEG.- NEG.	.00	.0001	.0000	0	.07
ACARTIA CLAUSI	F		14.5	7.2	5.8 - 8.6	2.0	.000	.000	NEG.- NEG.	.00	.0000	.0000	6.72	2.34
ACARTIA DANAE	BA		9.5	4.8	4.6 - 4.9	.2	.000	.000	NEG.- NEG.	.00	.0000	.0000	4.43	2.34
ACARTIA LONGIREMIS	A		16.8	8.4	7.2 - 9.5	1.6	.000	.000	NEG.- NEG.	.00	.0000	.0000	7.80	5.66
ACARTIA TONSA	A		.3	.2	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	.0000	0	.14
CORYCAEUS ANGLICUS	8		.2	.1	.2 - .2	.1	.000	.000	NEG.- NEG.	.00	.0001	.0000	0	.07
HALICYCLOPS SP.	L		.3	.2	.3 - .3	.2	.000	.000	NEG.- NEG.	.00	.0001	.0000	0	.14
BALANOMORPHA	8		46.6	23.3	18.2 - 28.5	7.3	.001	.000	NEG.- NEG.	.00	.0000	.0000	21.67	11.72
CAPRELLA SP.	2		.5	.2	.5 - .5	.3	.000	.000	NEG.- NEG.	.00	.0000	.0000	0	.21
EUPHAUSIACEA	C		1.2	.6	.3 - .9	.4	.000	.000	NEG.- NEG.	.00	.0001	.0001	.57	.59
CRANGONIDAE	26		2.2	1.1	2.2 - 2.2	1.5	.001	.000	NEG.- NEG.	.00	.0002	.0000	0	1.00
CRANGON SP.	3		.9	.5	.9 - .9	.7	.000	.000	NEG.- NEG.	.00	.0003	.0000	0	.43
PINNOTHERIDAE	4		4.6	2.3	2.2 - 2.5	.2	.000	.000	NEG.- NEG.	.00	.0000	.0000	2.15	2.34
COLLEMBOLA	3		.2	.1	.2 - .2	.1	.000	.000	NEG.- NEG.	.00	.0001	.0000	0	.07
DIKOPLEURA SP.	8		11.7	5.8	2.8 - 8.9	4.4	.000	.000	NEG.- NEG.	.00	.0000	.0000	5.44	2.34

TOTAL NUMBER OF PLANKTON CATEGORIES 30

SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.38
BIOPASS 3.10
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 3.17

* SITE SUMMARY *

IDENTIFICATION 800C23
STATION 13006 - STEARN-S BLUFF BS/PS
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNDT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	3.40	3.40-	0	0
TOTAL WET WEIGHT (PER M**3)	.135	3.40 .120-	.022	.163
TOTAL ABUNDANCE (PER M**3)	1950.59	.151 1788.24-	229.60	.12
SAMPLE WET WEIGHT (PER M**3)	.146	2112.94 .127-	.027	.182
SAMPLE DRY WEIGHT (PER M**3)	0	.165 0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES		
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.E.	* ABUN- DANCE	BIC- MASS
HYDROIDA			32.9	16.5	14.1 -	3.3	.001	.000	NEG.-	0	.0000	.0000	.84	.25
POLYNOIDAE	KW		4.7	2.4	18.8 4.7 -	3.3	.000	.000	NEG.-	.00	.0001	0	.12	.17
SPIONIDAE	6		28.2	14.1	4.7 -	13.3	.001	.000	NEG.-	0	.0001	.0001	.72	.25
HALACARIDAE	6		4.7	2.4	23.5 4.7 -	3.3	.000	.000	NEG.-	.00	.0001	0	.12	.17
PARACALANUS SP.	8		4.7	2.4	4.7 -	3.3	.000	.000	NEG.-	.00	.0001	0	.12	.17
PSEUDOCALANUS SP.	8		4.7	2.4	4.7 -	3.3	.000	.000	NEG.-	.00	.0001	0	.12	.17
EURYTEMORA AMERICANA	B		291.8	145.9	4.7 -	6.7	.005	.005	NEG.-	.00	.0000	.0000	7.48	1.62
EPILABIDOCERA AMPHITRITES	ALB		14.1	7.1	150.6 4.7 -	3.3	.005	.005	NEG.-	0	.0000	.0004	.36	3.48
ACARTIA CLAUSI	B		3251.8	1625.9	9.4 1491.8 -	189.7	.005	.042	.005	.01	.0000	.0000	83.25	21.26
ACARTIA LONGIREMIS	A		4.7	2.4	1760.0 4.7 -	3.3	.000	.000	NEG.-	.00	.0001	0	.12	.17
HARPACTICOIDA	B		4.7	2.4	4.7 -	3.3	.000	.000	NEG.-	.00	.0001	0	.12	.17
SCOTTOLANA CANADENSIS	F		4.7	2.4	4.7 -	3.3	.000	.000	NEG.-	.00	.0001	0	.12	.17
TISBE SP.	8		4.7	2.4	4.7 -	3.3	.000	.000	NEG.-	.00	.0001	0	.12	.17
HALICYCLOPS SP.	L		4.7	2.4	4.7 -	3.3	.000	.000	NEG.-	.00	.0001	0	.12	.17
BALANOMORPHA	B		108.2	54.1	4.7 -	10.0	.001	.000	NEG.-	0	.0000	.0000	2.77	.35
MYSIDACEA-MYSIDA	E2		4.7	2.4	61.2 4.7 -	3.3	.000	.000	NEG.-	.00	.0001	0	.12	.17
ACANTHOMYSIS MACROPSIS	7		14.1	7.1	4.7 -	3.3	.052	.026	NEG.-	.04	.0028	.0038	.36	19.24
NEMOMYSIS INTEGER	L7		14.1	7.1	9.4 14.1 -	10.0	.066	.033	.066	.05	.0047	0	.36	24.29
CUMELLA SP.	B7		14.1	7.1	14.1 -	10.0	.000	.000	NEG.-	.00	.0000	0	.36	.17
ISOPODA	8		56.5	28.2	14.1 23.5 -	6.7	.001	.000	NEG.-	0	.0000	.0000	1.45	.35
AMPITHOE SP.	6		4.7	2.4	32.9 4.7 -	3.3	.038	.019	NEG.-	.03	.0000	0	.12	13.94
COROPHIUM SP.	L		4.7	2.4	4.7 -	3.3	.000	.000	NEG.-	.00	.0001	0	.12	.17
EDGAMMARUS SP.	7		9.4	4.7	4.7 -	6.7	.000	.000	NEG.-	.00	.0001	0	.24	.17
SAGITTA SP.	7		4.7	2.4	9.4 4.7 -	3.3	.005	.002	NEG.-	.00	.0010	0	.12	1.74
DIKOPLEURA SP.	C		4.7	2.4	4.7 -	3.3	.000	.000	NEG.-	.00	.0001	0	.12	.17

TOTAL NUMBER OF PLANKTON CATEGORIES 25

SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.14
BIOMASS 2.59
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.12

Appendix 6-5. Neritic Zooplankton
 Analysis Tables for:
 Westport
 March 20 - October 6, 1980

LIFE HISTORY STAGE CODES

0 - Unstaged	I - Protozoa
1 - Egg	J - Juvenile
2 - Nauplius	K - Medusa
3 - Zoea	L - Egg-bearing female
4 - Megalops	M - Egg case
5 - Veliger	P - Unidentified (part)
6 - Larva	Q - Immature
7 - Juvenile	R - Subadult
8 - Adult	S - Trochophore
9 - Larva + Juv. + Adult	T - Subadult + Juv.
A - Juv. + Adult	U - Mating pair
B - Larva + Juv.	V - Mysis
C - Juv. or Adult	W - Colony
D - Polyp	X - Cyphonautes
E - Cypris	Y - Glaucothoe
F - Copepodid	+ - Egg
G - Pupa	* - All non-egg stages pooled
H - Nymph	

* SITE SUMMARY *

IDENTIFICATION 80MR20
STATION 13007 - WESTPORT
FRGM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME	10.10	10.10-	0	0
(M**3)		10.10		
TOTAL WET WEIGHT	.021	.015-	.009	.439
(PER M**3)		.028		
TOTAL ABUNDANCE	62.77	54.26-	12.04	.19
(PER M**3)		71.29		
SAMPLE WET WEIGHT	.025	.021-	.006	.228
(PER M**3)		.029		
SAMPLE DRY WEIGHT	0	C-	0	0
(PER M**3)		0		

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES		
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN-DANCE	* BIC-MASS
HYDRIZOA			2.0	1.0	2.0 -	1.4	.000	.000	NEG.-	.00	.0000	0	1.58	.93
CTENOPHORA	K		.8	.4	.8 -	.6	.000	.000	NEG.-	.00	.0000	0	.63	.93
POLYCHAETA	C		5.5	2.8	1.6 -	1.7	.002	.001	NEG.-	.00	.0003	.0000	4.42	3.71
MACELONA SP.	6		.8	.4	.8 -	.6	.000	.000	NEG.-	.00	.0001	0	.63	.09
NEMGASTROPODA-STENOGLLOSSA	C		.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	.32	.09
THECOSOMATA	6		7.9	4.0	2.0 -	2.8	.002	.001	NEG.-	.00	.0002	0	6.31	3.71
ARTHROPODA PYCNOGONIDA	C		.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	.32	.09
CALANIDIA	6		.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	.32	.09
CALANUS SP.	C		15.4	7.7	7.5 -	.3	.008	.004	.004-	.00	.0005	.0001	12.30	19.46
EUCALANUS SP.	CA		10.7	5.3	10.7 -	7.6	.005	.002	.005-	.00	.0004	0	8.52	11.12
EUCALANUS BUNGII	C		7.9	4.0	7.9 -	5.6	.002	.001	.002-	.00	.0002	0	6.31	4.63
PARACALANUS SP.	AL		2.0	1.0	2.0 -	1.4	.000	.000	NEG.-	.00	.0002	0	1.58	.93
PSEUDOCALANUS SP.	C		1.2	.6	.4 -	.3	.000	.000	NEG.-	0	.0001	.0000	.95	.19
METRIDIA SP.	AC		29.3	14.7	9.5 -	7.3	.005	.004	.002-	.00	.0003	.0000	23.34	20.39
EURYTEMORA AMERICANA	C		3.6	1.8	3.6 -	2.5	.001	.000	NEG.-	.00	.0002	0	2.84	1.65
ACARTIA CLAUSI	C		11.1	5.5	3.2 -	3.4	.001	.001	NEG.-	.00	.0001	.0000	8.82	2.78
ACARTIA LONGIREMIS	C		1.2	.6	1.2 -	.8	.000	.000	NEG.-	.00	.0000	0	.95	.09
CORYCAEUS ANGLICUS	C		.8	.4	.8 -	.6	.000	.000	NEG.-	.00	.0001	0	.63	.09
BALANOMORPHA	B		2.8	1.4	.4 -	1.4	.000	.000	NEG.-	0	.0001	.0001	2.21	.19
PARATHEMISTO PACIFICA	2E		.4	.2	.4 -	.3	.001	.000	NEG.-	.00	.0000	0	.32	1.65
EUPHAUSIACEA	C		2.8	1.4	.4 -	1.4	.002	.001	NEG.-	0	.0012	.0012	2.21	3.71
CRANGONIDAE	37		2.4	1.2	.8 -	.6	.001	.000	NEG.-	0	.0004	.0002	1.65	1.65
UPGEBIA PUGETTENSIS	3		.4	.2	1.6 -	.3	.000	.000	NEG.-	.00	.0001	0	.32	.09
PINNOTHERIDAE	6		2.8	1.4	1.2 -	.3	.000	.000	NEG.-	0	.0000	.0000	2.21	.19
NEMATOCERA	3		.6	.4	1.6 -	.6	.000	.000	NEG.-	.00	.0001	0	.63	.09
DIPTERA-CHIRONOMIDAE	B		.8	.4	.8 -	.6	.000	.000	NEG.-	.00	.0005	0	.63	.93
SAGITTA SP.	B		9.1	4.6	2.8 -	2.5	.008	.004	.002-	.00	.0009	.0002	7.26	19.46
DIKOPLEURA SP.	C7		.4	.2	6.3 -	.3	.000	.000	NEG.-	.00	.0001	0	.32	.09
TELEOSTEI	C		.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	.32	.09
UNIDENTIFIED EGG	+EGG		.8	.4	.4 -	0	.000	.000	NEG.-	0	.0001	0	.63	.19
UNIDENTIFIED	+EGG		.4	.2	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	.32	.09

TOTAL NUMBER OF PLANKTON CATEGORIES 31

SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.87
BIOMASS 3.36
CUBIC METERS 2.48

SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGNOT
 PARTS CODE EXCLUDED

IDENTIFICATION 80AP01
 STATION 13007 - WESTPORT
 FROM SAMPLES 0 1 0 2

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	7.50	7.50-	0	0
TOTAL WET WEIGHT (PER M**3)	.030	7.50 .028-	.002	.068
TOTAL ABUNDANCE (PER M**3)	74.13	.031 72.80-	1.89	.03
SAMPLE WET WEIGHT (PER M**3)	.029	75.47 .026-	.003	.118
SAMPLE DRY WEIGHT (PER M**3)	0	.031 C-	0	0
		C		

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES		
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABLUN-DANCE	PIC-MASS
HYDROIDA			25.6	12.8	12.5 -	.4	.002	.001	.001-	C	.0001	.0000	17.27	3.61
	KW				13.1			.001						
SIPHONOPHORA			5.1	2.5	1.6 -	1.3	.003	.002	NEG.-	.00	.0005	.0007	3.42	5.92
	W				3.5			.003						
LENSIA CENOIDEA			2.4	1.2	2.4 -	1.7	.001	.001	.001-	.00	.0006	0	1.62	2.26
	W				2.4			.001						
SCYPHAZDA			.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.18	.05
	6				.3			.000						
CTENOPHORA			6.1	3.1	2.9 -	.7	.028	.014	.013-	.00	.0046	.0001	4.14	47.88
	C				3.2			.014						
POLYNODIAE			.8	.4	.3 -	.2	.000	.000	NEG.-	0	.0001	.0000	.54	.09
	6				.5			.000						
SPIONIDAE			12.8	6.4	6.1 -	.4	.002	.001	NEG.-	0	.0001	.0000	8.63	2.71
	6				6.7			.001						
MESOGASTROPODA			2.1	1.1	1.1 -	0	.000	.000	NEG.-	0	.0000	0	1.44	.09
	7				1.1			.000						
MYTILIDAE			.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.26	.05
	7				.5			.000						
CALANUS SP.			10.4	5.2	4.8 -	.6	.005	.005	.003-	.00	.0005	.0003	7.01	15.26
	A				5.6			.005						
EUCALANUS BUNGII			.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0010	0	.18	.45
	C				.3			.000						
PSEUDOCALANIDAE			1.1	.5	.5 -	0	.000	.000	NEG.-	0	.0001	0	.72	.09
	F				.5			.000						
CLAUSOCALANUS PARAPERGENS			1.3	.7	.5 -	.2	.000	.000	NEG.-	0	.0000	.0000	.90	.09
	6				.8			.000						
PSEUDOCALANUS SP.			1.6	.8	1.6 -	1.1	.000	.000	NEG.-	.00	.0002	0	1.08	.45
	B				1.6			.000						
METRIDIA LUCENS			2.7	1.3	1.1 -	.4	.000	.000	NEG.-	.00	.0001	.0001	1.80	.50
	AC				1.6			.000						
CENTROPAGES ABDOMINALIS			7.5	3.7	3.2 -	.8	.001	.001	NEG.-	.00	.0002	.0000	5.04	2.26
	A				4.3			.001						
EURYTEMORA AMERICANA			.5	.3	.3 -	0	.000	.000	NEG.-	0	.0001	0	.36	.09
	L8				.3			.000						
EPILABIDOCERA AMPHITRITES			.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0010	0	.18	.45
	F				.3			.000						
ACARTIA CLAUSI			2.4	1.2	1.1 -	.2	.000	.000	NEG.-	0	.0000	.0000	1.62	.09
	8				1.3			.000						
ACARTIA TONSA			.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.18	.05
	8				.3			.000						
ALTEUTHA SP.			.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.18	.05
	L				.3			.000						
CORDYCAEUS ANGLICUS			2.1	1.1	.8 -	.4	.000	.000	NEG.-	0	.0000	.0000	1.44	.09
	L8				1.3			.000						
BALANOMORPHA			7.5	3.7	2.1 -	2.3	.001	.000	NEG.-	.00	.0001	.0001	5.64	.95
	E2				5.3			.000						
LAMPROPIDAE			.8	.4	.3 -	.2	.000	.000	NEG.-	0	.0001	.0000	.94	.09
	C				.5			.000						
CUMELLA SP.			.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.18	.05
	8				.3			.000						
GAMMARIDEA			.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.18	.05
	7				.3			.000						
HIPPOLYTIIDAE			2.1	1.1	.5 -	.8	.001	.000	NEG.-	.00	.0002	.0002	1.44	.95
	3				1.6			.000						
CRANGONIDAE			5.6	2.8	2.7 -	.2	.001	.000	NEG.-	.00	.0001	.0001	3.78	1.36
	3				2.9			.000						
UPDEGBIA PUGETTENSIS			2.4	1.2	1.1 -	.2	.001	.000	NEG.-	0	.0002	.0000	1.62	.50
	3				1.3			.000						
PAGURIDAE			.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0001	0	.18	.05
	3				.3			.000						
PINNOTHERIDAE			29.6	14.8	13.9 -	1.3	.001	.001	NEG.-	0	.0000	.0000	19.96	1.81
	3				15.7			.001						
SAGITTA SP.			6.9	3.5	1.1 -	3.4	.001	.001	.002-	.00	.0012	.0008	4.68	9.49
	7				5.9			.001						
DIKOPLEURA SP.			1.1	.5	.3 -	.4	.000	.000	NEG.-	0	.0001	.0000	.72	.09
	C				.8			.000						
TELEDSTEI			1.6	.8	.5 -	.4	.000	.000	NEG.-	0	.0000	.0000	1.08	.09
	+EGG				1.1			.000						
DSMERIDAE			.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	0	.36	.05
	6				.5			.000						
COTTUS SP.			.5	.3	.3 -	0	.000	.000	NEG.-	.00	.0006	.0006	.36	.20
	6				.3			.000						
UNIDENTIFIED			2.4	1.2	1.1 -	.2	.001	.000	NEG.-	.00	.0002	.0003	1.62	.95
	C6				1.3			.000						

TOTAL NUMBER OF PLANKTON CATEGORIES 37

SHANNON-WEINER DIVERSITY INDEX NUMBERS 4.04
 BIOMASS 2.80
 DIVERSITY INDEX BASED ON NUMBERS 2.66

IDENTIFICATION 80AP15
 STATION 13007 - WESTPORT
 FROM SAMPLES 0 1 d 2

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COFF.VAR
SAMPLE VOLUME (M**3)	1.20	1.20-	0	0
TOTAL WET WEIGHT (PER M**3)	.163	.098- .228	.092	.563
TOTAL ABUNDANCE (PER M**3)	843.33	796.67- 890.00	66.00	.08
SAMPLE WET WEIGHT (PER M**3)	.193	.147- .240	.066	.341
SAMPLE DRY WEIGHT (PER M**3)	0	0- C	0	0

ORGANISM NAME		NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVE. BIOMASS		PERCENTAGES	
PARTS CODE	LH-STAGE	* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- DANCE	BIC- MASS
CNIDARIA		3.3	1.7	3.3 -	2.4	.CC1	.CC3	.007- .007	.00	.CC2C	0	.2C	2.04
HYDRIDA	K	6.7	3.3	6.7 -	4.7	.C0C	.00C	NEG.- NEG.	.CC	.CCCC	0	.4C	.1C
CORDYLOPHORA SP.	K	16.7	8.3	16.7 -	11.8	.CCC	.00C	NEG.- NEG.	.CC	.CCCC	0	.99	.1C
CTENOPHORA	D	3.3	1.7	3.3 -	2.4	.CCC	.C0C	NEG.- NEG.	.CC	.CCCC	0	.2C	.1C
POLYCHAETA	C	16.0	5.0	10.0 -	7.1	.CC3	.C02	.CC2- .003	.CC	.CCCC	0	.99	1.02
SPIDNIDAE	6	3.3	1.7	3.3 -	2.4	.C0C	.00C	NEG.- NEG.	.CC	.CCCC	0	.2C	.1C
MESOGASTROPODA	7	3.3	1.7	3.3 -	2.4	.CCC	.CCC	NEG.- NEG.	.CC	.CCCC	0	.2C	.1C
MESOGASTROPODA-STENOGLOSSA	7	3.3	1.7	3.3 -	2.4	.C0C	.C0C	NEG.- NEG.	.CC	.CCCC	0	.2C	.1C
VENEROIDA	7	6.7	3.3	6.7 -	4.7	.CCC	.00C	NEG.- NEG.	.CC	.CCCC	0	.4C	.1C
MACOMA SP.	7	6.7	3.3	6.7 -	4.7	.CCC	.CCC	NEG.- NEG.	.CC	.CCCC	0	.4C	.1C
HALACARIDAE	7	3.3	1.7	3.3 -	2.4	.C0C	.C0C	NEG.- NEG.	.CC	.CCCC	0	.2C	.1C
PODON SP.	8	3.3	1.7	3.3 -	2.4	.C0C	.00C	NEG.- NEG.	.CC	.CCCC	0	.2C	.1C
CALANUS SP.	8	379.3	106.7	150.0 -	51.9	.C93	.C47	.C33- .060	.C2	.CCCC	.CCCC	22.13	28.57
CLAUSOCALANUS PARAPERGENS	A	30.0	15.0	3.3 -	16.5	.C01	.00C	NEG.- NEG.	0	.CCCC	.CCCC	1.78	.2C
PSEUDOCALANUS SP.	CA	73.3	36.7	30.0 -	9.4	.CC7	.CC3	.C03- .003	0	.CCCC	.CCCC	4.35	2.04
METRIDIA LUCENS	8	26.7	13.3	13.3 -	0	.C07	.003	.CC3- .003	0	.CCCC	0	1.58	2.04
CENTROPAGES ABDOMINALIS	A	110.0	55.0	53.3 -	2.4	.C13	.007	.C07- .CC7	0	.CCCC	.CCCC	6.52	4.08
ACARTIA CLAUSI	A	53.3	26.7	23.3 -	4.7	.CC1	.CCC	NEG.- NEG.	0	.CCCC	.CCCC	3.16	.2C
BALANOMORPHA	BA	630.0	315.0	286.7 -	40.1	.C33	.017	.C17- .017	0	.CCCC	.CCCC	37.35	10.20
ACANTHOMYSIS SP.	2	10.0	5.0	10.0 -	7.1	.CC3	.002	.003- .003	.CC	.CCCC	0	.59	1.02
LEUCON SP	7	3.3	1.7	3.3 -	2.4	.CCC	.CCC	NEG.- NEG.	.CC	.CCCC	0	.2C	.1C
CUMELLA SP.	C	3.3	1.7	3.3 -	2.4	.C0C	.00C	NEG.- NEG.	.CC	.CCCC	0	.2C	.1C
GNDRIMOSPHAEROMA OREGONENSIS	8	3.3	1.7	3.3 -	2.4	.C7C	.C33	.C70- .070	.03	.CC1C	0	.2C	21.43
AYTLUS TRIDENS	8	3.3	1.7	3.3 -	2.4	.CC3	.C02	.CC3- .003	.CC	.CCCC	0	.2C	1.02
EUPHAUSIACEA	7	26.7	13.3	10.0 -	4.7	.C01	.00C	NEG.- NEG.	0	.CCCC	.CCCC	1.58	.2C
CRANGONIDAE	6	116.7	58.3	40.0 -	25.9	.C2C	.01C	.CC7- .013	.CC	.CCCC	.CCCC	6.92	6.12
UPDEGEBIA PUGETTENSIS	3	43.3	21.7	16.7 -	7.1	.C17	.00E	.C07- .C10	.CC	.CCCC	.CCCC	2.57	5.10
CALLIANASSA SP.	3	3.3	1.7	3.3 -	2.4	.CCC	.CCC	NEG.- NEG.	.CC	.CCCC	0	.2C	.1C
PETROLISTHES SP.	3	3.3	1.7	3.3 -	2.4	.CC3	.002	.C03- .C03	.CC	.CCCC	0	.2C	1.02
CANCER SP.	3	3.3	1.7	3.3 -	2.4	.C0C	.00C	NEG.- NEG.	.CC	.CCCC	0	.2C	.1C
PINNOOTHERIDAE	3	23.3	11.7	6.7 -	7.1	.C01	.CCC	NEG.- NEG.	0	.CCCC	.CCCC	1.38	.2C
HUMOPTERA	3	3.3	1.7	3.3 -	2.4	.CCC	.00C	NEG.- NEG.	.CC	.CCCC	0	.2C	.1C
SAGITTA SP.	6	33.3	16.7	10.0 -	9.4	.C37	.01E	.007- .C30	.C2	.CCCC	.CCCC	1.58	11.22
DIKOPLEURA SP.	7	3.3	1.7	3.3 -	2.4	.CCC	.CCC	NEG.- NEG.	.CC	.CCCC	0	.2C	.1C
TELEDSTEI	C	13.3	6.7	3.3 -	4.7	.CC1	.00C	NEG.- NEG.	0	.CCCC	.CCCC	.79	.2C
TELEDSTEI	+EGG	3.3	1.7	3.3 -	2.4	.C0C	.00C	NEG.- NEG.	.CC	.CCCC	0	.2C	.1C
OSMERIDAE	6	3.3	1.7	3.3 -	2.4	.CCC	.CCC	NEG.- NEG.	.CC	.CCCC	0	.2C	.1C
GADIDAE	6	3.3	1.7	3.3 -	2.4	.C0C	.00C	NEG.- NEG.	.CC	.CCCC	0	.2C	.1C
UNIDENTIFIED EGG	6	13.3	6.7	13.3 -	9.4	.CCC	.00C	NEG.- NEG.	.CC	.CCCC	0	.79	.1C
	+EGG			13.3									

TOTAL NUMBER OF PLANKTON CATEGORIES 39

SHANNON-WETNER DIVERSITY INDEX NUMBERS

3.21

SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGORNOT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

 * SITE SUMMARY *

	MEAN	RANGE	S.D.	CDEF.VAR
SAMPLE VOLUME (M**3)	7.50	7.50-	0	0
TOTAL WET WEIGHT (PER M**3)	.028	.024-.031	.005	.168
TOTAL ABUNDANCE (PER M**3)	336.27	298.67-373.87	53.17	.16
SAMPLE WET WEIGHT (PER M**3)	.028	.026-.030	.003	.109
SAMPLE DRY WEIGHT (PER M**3)	0	C-	0	0

IDENTIFICATION 80MY13
 STATION 13007 - WESTPORT
 FROM SAMPLES 0 1 0 2

ORGANISM NAME	PARTS CODE	LH-STAGE	* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN-DANCE	BIC-MASS
CNIDARIA			.5	.3	.5 - .5	.4	.002	.002	.003-.003	.00	.0000	0	.08	5.00
HYDROIDA	K		6.0	3.0	2.8 - 3.2	.3	.005	.002	.001-.004	.00	.0000	.0000	.90	8.37
SIPHONOPHORA	KW		.5	.3	.5 - .5	.4	.000	.000	NEG.-NEG.	.00	.0000	0	.08	.10
POLYCHAETA	W		2.1	1.1	2.1 - 2.1	1.5	.000	.000	NEG.-NEG.	.00	.0000	0	.32	.10
SPIONIDAE	6		1.2	.6	.5 - .7	.1	.000	.000	NEG.-NEG.	.00	.0000	0	.19	.23
MESOGASTROPODA	6C		.7	.4	.7 - .7	.5	.000	.000	NEG.-NEG.	.00	.0000	0	.11	.13
MESOGASTROPODA	+-EGG		6.6	3.3	2.8 - 3.7	.6	.000	.000	NEG.-NEG.	.00	.0000	.0000	.98	.23
BIVALVIA	7		1.6	.8	1.6 - 1.6	1.1	.000	.000	NEG.-NEG.	.00	.0000	0	.24	.10
HALACARIDAE	7		.5	.3	.5 - .5	.4	.000	.000	NEG.-NEG.	.00	.0000	0	.08	.10
EVADNE SP.	8		4.6	2.3	1.1 - 3.6	1.8	.000	.000	NEG.-NEG.	.00	.0000	.0000	.69	.23
PADDON SP.	8L		41.6	20.8	17.1 - 24.5	5.3	.002	.001	NEG.-.001	.00	.0000	.0000	6.19	3.22
CALANUS SP.	8L		46.5	24.3	19.2 - 29.3	7.2	.003	.002	.001-.002	.00	.0000	.0000	7.22	5.48
EUCALANUS BUNGII	F		1.1	.5	1.1 - 1.1	.8	.001	.000	NEG.-NEG.	.00	.0000	0	.16	.97
PARACALANUS SP.	F		33.1	16.5	16.0 - 17.1	.8	.001	.001	NEG.-NEG.	.00	.0000	.0000	4.92	2.25
CLAUSDCALANUS PARAPERGENS	C8		2.7	1.3	.5 - 2.1	1.1	.000	.000	NEG.-NEG.	.00	.0000	.0000	.40	.23
PSEUDDCALANUS SP.	8		48.0	24.0	17.1 - 30.9	9.8	.004	.002	.001-.002	.00	.0000	.0000	7.14	6.44
METRIDIA SP.	A		.5	.3	.5 - .5	.4	.000	.000	NEG.-NEG.	.00	.0000	0	.08	.10
CENTROPAGES ABDOMINALIS	F		181.2	90.6	85.9 - 95.3	6.7	.011	.006	.005-.006	.00	.0000	.0000	26.94	20.61
EUPYTEMORA AMERICANA	A		11.2	5.6	4.3 - 6.9	1.9	.000	.000	NEG.-NEG.	.00	.0000	.0000	1.67	.23
EPILABIDOCERA AMPHITRITES	8L		.5	.3	.5 - .5	.4	.000	.000	NEG.-NEG.	.00	.0000	0	.08	.10
ACARTIA CLAUSI	F		95.5	47.7	38.4 - 57.1	13.2	.004	.002	.001-.003	.00	.0000	.0000	14.20	7.41
ACARTIA DANAE	A		.5	.3	.5 - .5	.4	.000	.000	NEG.-NEG.	.00	.0000	0	.08	.10
ACARTIA LONGIREMIS	8		8.5	4.3	8.5 - 8.5	6.0	.001	.000	NEG.-NEG.	.00	.0000	0	1.27	.97
ACARTIA TONSA	A		66.1	33.1	32.0 - 34.1	1.5	.005	.002	.002-.003	.00	.0000	.0000	9.83	8.70
CORYCAEUS ANGLICUS	A		4.1	2.0	1.4 - 2.7	.9	.000	.000	NEG.-NEG.	.00	.0000	.0000	.61	.23
BALANOMORPHA	8L		33.8	16.9	16.0 - 17.8	1.3	.001	.001	NEG.-.001	.00	.0000	.0000	5.02	2.06
LAMPROPIDAE	E2		.5	.3	.5 - .5	.4	.000	.000	NEG.-NEG.	.00	.0000	0	.08	.10
LEUCON SP	7		4.3	2.1	2.1 - 2.1	0	.000	.000	NEG.-NEG.	.00	.0000	.0000	.63	.23
EUPHAUSIACEA	7		5.2	2.6	1.4 - 3.7	1.6	.000	.000	NEG.-NEG.	.00	.0000	.0000	.77	.23
CRANGONIDAE	6		7.8	3.9	3.6 - 4.3	.5	.001	.000	NEG.-NEG.	.00	.0000	.0001	1.16	1.10
PINNOTHERIDAE	3		.5	.3	.5 - .5	.4	.000	.000	NEG.-NEG.	.00	.0000	0	.08	.10
MUSCOIDEA	3		.7	.4	.7 - .7	.5	.002	.001	.003-.003	.00	.0000	0	.11	5.15
GYMNOLAEMATA	8		.5	.3	.5 - .5	.4	.000	.000	NEG.-NEG.	.00	.0000	0	.08	.10
SAGITTA SP.	X		7.6	3.8	2.8 - 4.8	1.4	.006	.003	.002-.004	.00	.0000	.0000	1.14	10.63
DIKOPLEURA SP.	7		30.8	15.4	7.8 - 22.9	10.7	.001	.000	NEG.-NEG.	.00	.0000	.0000	4.57	1.10
TELEOSTEI	C		12.6	6.3	4.8 - 7.8	2.1	.004	.002	.002-.002	.00	.0000	.0000	1.88	6.78
GADIDAE	+-EGG		.5	.3	.5 - .5	.4	.000	.000	NEG.-.002	.00	.0000	0	.08	.10

TOTAL NUMBER OF PLANKTON CATEGORIES 37

SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.63
 BIOMASS 3.85
 BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 3.51

NERITIC PLANKTON ANALYSIS

* SITE SUMMARY *

IDENTIFICATION 80JY07
STATION 13007 - WESTPRT
FROM SAMPLES 0 1 C 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COFF.VAR
SAMPLE VOLUME (M**3)	7.80	7.80-7.80	0	0
TOTAL WET WEIGHT (PER M**3)	.001	.001-.001	.000	.109
TOTAL ABUNDANCE (PER M**3)	21.03	18.85-23.21	3.08	.15
SAMPLE WET WEIGHT (PER M**3)	.001	.001-.001	0	0
SAMPLE DRY WEIGHT (PER M**3)	0	0-0	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABL- DANCE	BIC- PASS
HYDROIDA			.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0000	0	.30	.51
EVADNE SP.	K		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0000	0	.30	.51
PODON SP.	L		6.2	3.1	1.9 - 4.2	1.6	.000	.000	NEG.-	.00	.0000	.0000	14.63	5.64
CALANUS SP.	B		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0000	0	.30	.51
PSEUDOCALANUS SP.	F		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0000	0	.30	.51
CENTROPAGES ABDOMINALIS	B		14.4	7.2	6.9 - 7.4	.4	.000	.000	NEG.-	.00	.0000	.0000	34.15	35.90
EURYTEMORA AMERICANA	A		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0000	0	.91	.51
ACARTIA LONGIREMIS	BL		1.8	.9	.8 - 1.0	.7	.000	.000	NEG.-	0	.0000	.0000	4.27	1.03
HARPACTICOIDA	AB		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0000	0	.30	.51
HARPACTICUS SP.	C		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0000	0	.30	.51
BALANOMORPHA	L		11.7	5.8	5.3 - 6.4	.8	.000	.000	NEG.-	0	.0000	.0000	27.74	10.26
LEUCON SP	2		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0000	0	.30	.51
CUMELLA SP.	7		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0000	0	.30	.51
CRANGONIDAE	7		2.3	1.2	1.2 - 1.2	0	.000	.000	NEG.-	.00	.0000	.0001	5.49	15.38
PUGETTIA SP.	3		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0000	0	.30	.51
PINNOTHERIDAE	3		.5	.3	.3 - .3	0	.000	.000	NEG.-	0	.0000	0	1.22	1.03
GOBIIDAE	3		3.7	1.9	1.7 - 2.1	.3	.000	.000	NEG.-	.00	.0000	.0000	6.84	25.64

TOTAL NUMBER OF PLANKTON CATEGORIES 17

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.55
BIOMASS 2.55
BRILLOLIN-S DIVERSITY INDEX BASED ON NUMBERS 2.29

* SITE SUMMARY *

IDENTIFICATION 80AL06
STATION 13007 - WESTPORT
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	5.10	5.10-	0	0
TOTAL WET WEIGHT (PER M**3)	.012	.011-	.002	.141
TOTAL ABUNDANCE (PER M**3)	49.22	46.47-	3.88	.08
SAMPLE WET WEIGHT (PER M**3)	.009	.006-	.005	.523
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN-DANCE	PERCENTAGES PIC-MASS
HYDROIDA			2.4	1.2	.8 -	.6	.C15	.006	.007-	.00	.CC71	.0C27	2.35	64.44
GASTROPODA		KW	.2	.1	.2 -	.1	.C00	.000	NEG.-	.00	.CCC1	0	.20	.08
MESOGASTROPODA		+EGG	.4	.2	.4 -	.3	.C00	.000	NEG.-	.00	.CCC1	0	.40	.08
MESOGASTROPODA		7	1.8	.9	.4 -	.7	.CCC	.000	NEG.-	0	.CCCC	.0CCC	1.75	.17
BIVALVIA		C7	6.5	3.2	2.9 -	.4	.CCC	.000	NEG.-	0	.CCC1	.0CCC	6.57	1.67
MYTILIDAE		7	.4	.2	.4 -	.3	.C00	.000	NEG.-	.00	.CCC1	0	.40	.84
EVADNE SP.		L	1.8	.9	.2 -	1.0	.C00	.000	NEG.-	0	.CCC1	.0CC1	1.75	.17
PODON SP.		L	4.9	2.5	2.4 -	.1	.CCC	.000	NEG.-	0	.CCCC	.0C00	4.98	.17
COPEPODA		2	.2	.1	.2 -	.1	.CCC	.000	NEG.-	.00	.CCC1	0	.20	.08
CALANOIDA		F	.4	.2	.4 -	.3	.C00	.000	NEG.-	.00	.CCC1	0	.40	.08
PSEUDOCALANUS SP.		A	2.9	1.5	1.2 -	.4	.C00	.000	NEG.-	0	.CCCC	.0C00	2.95	.17
CENTROPAGES ABDOMINALIS		F	1.8	.9	.6 -	.4	.CCC	.000	NEG.-	0	.CCCC	.0C00	1.75	.17
EURYTEMORA AMERICANA		8L	2.2	1.1	.6 -	.7	.C00	.000	NEG.-	0	.0CCC	.0C00	2.19	.17
ACARTIA CLAUSI		C8	1.2	.6	.4 -	.3	.C00	.000	NEG.-	0	.CCCC	.0C00	1.20	.17
ACARTIA LONGIREMIS		8	.8	.4	.4 -	0	.CCC	.000	NEG.-	0	.CCC1	0	.80	.17
ACARTIA TONSA		A	1.2	.6	1.2 -	.8	.C00	.000	NEG.-	.00	.CCCC	0	1.20	.08
THALESTRIDAE		L	.8	.4	.4 -	0	.C00	.000	NEG.-	0	.CCC1	0	.80	.17
CALIGOIDA		7	.6	.3	.6 -	.4	.C00	.000	NEG.-	.00	.CCCC	0	.60	.08
BALANOMORPHA		E27	16.1	8.0	7.8 -	.3	.C01	.000	NEG.-	.00	.CCCC	.0CCC	16.33	2.51
LEUCON SP		C	2.5	1.3	.8 -	.7	.CCC	.000	NEG.-	.00	.CCC1	.0C01	2.55	.92
CUMELLA SP.		8	.2	.1	.2 -	.1	.C00	.000	NEG.-	.00	.CCC1	0	.20	.08
BOPYRIDAE		7	.2	.1	.2 -	.1	.C00	.000	NEG.-	.00	.CCC1	0	.20	.08
GAMMARIDEA		7	.4	.2	.2 -	0	.CCC	.000	NEG.-	0	.CCC1	0	.40	.17
CGRDPHIUM SP.		7	.4	.2	.4 -	.3	.CCC	.000	NEG.-	.00	.CCC1	0	.40	.08
CRANGONIDAE		3	44.5	22.3	20.2 -	2.9	.C06	.003	.003-	.00	.CCC1	.0000	45.22	25.94
PAGURIDAE		4	.2	.1	.2 -	.1	.C00	.000	NEG.-	.00	.CC10	0	.20	.84
HEMIGRAPSUS SP.		3	1.0	.5	.4 -	.1	.C00	.000	NEG.-	0	.CCCC	.0C00	1.00	.17
TELEOSTEI		+EGG	2.2	1.1	.4 -	1.0	.CCC	.000	NEG.-	0	.CCCC	.0CCC	2.35	.17
GOBIIIDAE		6	.6	.3	.6 -	.4	.CCC	.000	NEG.-	.00	.CCCC	0	.60	.08

TOTAL NUMBER OF PLANKTON CATEGORIES 29

SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.06
BIDPASS 1.59
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.70

* SITE SUMMARY *

IDENTIFICATION 80SE09
STATION 13007 - WESTPORT
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNDT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF. VAR
SAMPLE VOLUME (M**3)	3.90	3.90-	0	0
TOTAL WET WEIGHT (PER M**3)	.005	.005-	.000	.028
TOTAL ABUNDANCE (PER M**3)	213.33	212.31-	1.45	.01
SAMPLE WET WEIGHT (PER M**3)	.008	.007-	.001	.094
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVE. BIOMASS		PERCENTAGES		
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN- DANCE	BIC- MASS
HYDRDIDA			19.5	9.7	6.2 - 13.3	5.1	.000	.000	NEG.-	0	.0000	.0000	4.57	2.00
BIVALVIA	K		2.1	1.0	2.1 - 2.1	1.5	.000	.000	NEG.-	.00	.0001	0	.48	1.00
ACARINA	C		1.0	.5	1.0 - 1.0	.7	.000	.000	NEG.-	.00	.0001	0	.24	1.00
EVADNE SP.	B		75.9	37.9	32.8 - 43.1	7.3	.001	.001	NEG.-	.00	.0000	.0000	17.75	11.00
PODON SP.	CA		101.5	50.8	47.2 - 54.4	5.1	.002	.002	.001	.00	.0000	.0000	23.80	30.00
CALANIDIA	CB		2.1	1.0	2.1 - 2.1	1.5	.000	.000	NEG.-	.00	.0001	0	.48	1.00
PARACALANUS SP.	F		5.1	2.6	2.1 - 3.1	.7	.000	.000	NEG.-	0	.0000	.0000	1.20	2.00
PSEUDOCALANUS SP.	CB		10.3	5.1	4.1 - 6.2	1.5	.000	.000	NEG.-	C	.0000	.0000	2.40	2.00
CENTROPAGES ABDOMINALIS	C		15.4	7.7	5.1 - 10.3	3.6	.000	.000	NEG.-	C	.0000	.0000	3.61	2.00
EPILABIDOCERA AMPHITRITES	AC		2.1	1.0	1.0 - 1.0	0	.000	.000	NEG.-	C	.0001	0	.48	2.00
ACARTIA CLAUSI	C		4.1	2.1	2.1 - 2.1	0	.000	.000	NEG.-	C	.0001	0	.96	2.00
ACARTIA LONGIREMIS	C		22.6	11.3	10.3 - 12.2	1.5	.000	.000	NEG.-	0	.0000	.0000	5.25	2.00
ACARTIA TONSA	C		2.1	1.0	2.1 - 2.1	1.5	.000	.000	NEG.-	.00	.0001	0	.48	1.00
HARPACTICOIDA	C		1.0	.5	1.0 - 1.0	.7	.000	.000	NEG.-	.00	.0001	0	.24	1.00
TISBE SP.	B		2.1	1.0	1.0 - 1.0	0	.000	.000	NEG.-	0	.0001	0	.48	2.00
CORDYCAEUS ANGLICUS	CL		1.0	.5	1.0 - 1.0	.7	.000	.000	NEG.-	.00	.0001	0	.24	1.00
HALICYCLOPS SP.	B		17.4	8.7	6.2 - 11.3	3.6	.000	.000	NEG.-	C	.0000	.0000	4.05	2.00
DITHONA SP.	C		4.1	2.1	1.0 - 3.1	1.5	.000	.000	NEG.-	0	.0001	.0000	.96	2.00
BALANOMORPHA	C		97.4	48.7	37.9 - 59.5	15.2	.002	.001	.001	0	.0000	.0000	22.84	20.00
LEUCON SP	Z		6.2	3.1	1.0 - 5.1	2.9	.000	.000	NEG.-	0	.0001	.0001	1.44	2.00
CAPRELLIDAE	C		1.0	.5	1.0 - 1.0	.7	.000	.000	NEG.-	.00	.0001	0	.24	1.00
CRANGONIDAE	6		3.1	1.5	1.0 - 2.1	.7	.000	.000	NEG.-	C	.0001	.0000	.72	2.00
PINNOTHERIDAE	3		20.5	10.3	9.2 - 11.3	1.5	.000	.000	NEG.-	0	.0000	.0000	4.81	2.00
HYMENOPTERA	3		1.0	.5	1.0 - 1.0	.7	.000	.000	NEG.-	.00	.0001	0	.24	1.00
DIKOPLEURA SP.	B		3.1	1.5	1.0 - 2.1	.7	.000	.000	NEG.-	C	.0001	.0000	.72	2.00
TELEOSTEI	C		4.1	2.1	1.0 - 3.1	1.5	.000	.000	NEG.-	0	.0001	.0000	.96	2.00
GDBIIDAE	+EGG		1.0	.5	1.0 - 1.0	.7	.000	.000	NEG.-	.00	.0001	0	.24	1.00

TOTAL NUMBER OF PLANKTON CATEGORIES 27

SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.32
BIOMASS 3.63
BRILLDLIN-S DIVERSITY INDEX BASED ON NUMBERS 3.18

* SITE SUMMARY *

IDENTIFICATION 800C06
STATION 13007 - WESTPORT
FROM SAMPLES 0 1 0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEFF. VAR
SAMPLE VOLUME (M**3)	9.60	9.60-	0	0
TOTAL WET WEIGHT (PER M**3)	.005	.002-.008	.004	.779
TOTAL ABUNDANCE (PER M**3)	157.50	55.00-260.00	144.96	.92
SAMPLE WET WEIGHT (PER M**3)	.006	.002-.009	.005	.890
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVE. BIOMASS		PERCENTAGES		
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN- DANCE	BIO- MASS
HYDROIDA			10.1	5.1	1.4 - 8.7	5.2	.000	.000	NEG.-	.00	.0000	.0000	3.21	.53
EVADNE NORDMANNI	KW		78.3	39.2	12.9 - 65.4	37.1	.002	.001	NEG.-	.00	.0000	.0000	24.87	20.02
PDDDN SP.	LA		87.6	43.8	16.8 - 70.8	38.2	.002	.002	.001-	.00	.0000	.0000	27.81	31.61
CALANUS SP.	LAB		.8	.4	.8 - .8	.6	.000	.000	NEG.-	.00	.0000	.0000	.26	.42
PARACALANUS SP.	F		3.5	1.8	1.0 - 2.5	1.0	.000	.000	NEG.-	.00	.0000	.0000	1.12	.53
CLAUSOCALANUS PARAPERGENS	B		2.8	1.4	.3 - 2.5	1.5	.000	.000	NEG.-	.00	.0000	.0000	.89	.53
PSEUDOCALANUS SP.	AB		17.8	8.9	3.6 - 14.2	7.4	.001	.001	NEG.-	.00	.0000	.0000	5.65	10.54
CENTROPAGES ABDOMINALIS	BA		10.5	5.3	1.8 - 8.7	4.9	.001	.001	NEG.-	.00	.0000	.0000	3.34	10.54
EURYTEMORA AMERICANA	A		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0000	.0000	.03	.11
EPILABIDOCERA AMPHITRITES	B		1.5	.7	.2 - 1.2	.7	.000	.000	NEG.-	.00	.0000	.0000	.46	.53
ACARTIA CLAUSI	F		2.5	1.2	2.5 - 2.5	1.8	.000	.000	NEG.-	.00	.0000	.0000	.79	.42
ACARTIA DANAE	A		15.3	7.7	3.2 - 12.1	6.3	.001	.000	NEG.-	.00	.0000	.0000	4.86	5.27
ACARTIA LONGIREMIS	A		15.6	7.8	4.4 - 11.2	4.9	.001	.000	NEG.-	.00	.0000	.0000	4.96	5.27
CORYCAEUS ANGLICUS	A		.5	.3	.1 - .4	.2	.000	.000	NEG.-	.00	.0000	.0000	.17	.53
MALICYCLOPS SP.	B		.6	.3	.2 - .4	.1	.000	.000	NEG.-	.00	.0000	.0000	.20	.53
DITHONA SP.	B		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0000	.0000	.03	.11
DITHONA SIMILIS	F		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0000	.0000	.03	.11
BALANOMORPHA	B		17.1	8.5	3.7 - 13.3	6.8	.000	.000	NEG.-	.00	.0000	.0000	5.42	4.32
GAMMARIDEA	2		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0000	.0000	.13	.42
CAPRELLA SP.	7		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0000	.0000	.03	.11
EUPHAUSIACEA	7		3.6	1.8	.3 - 3.3	2.1	.000	.000	NEG.-	.00	.0000	.0000	1.16	.53
CRANGON SP.	623		.8	.4	.8 - .8	.6	.000	.000	NEG.-	.00	.0000	.0000	.26	.42
CANCER SP.	3		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0000	.0000	.13	.42
PINNOTHERIDAE	3		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0000	.0000	.13	.42
HEMIGRAPUS SP.	3		.4	.2	.4 - .4	.3	.000	.000	NEG.-	.00	.0000	.0000	.13	.42
DIKOPLEURA SP.	3		43.6	21.8	4.5 - 39.2	24.5	.001	.000	NEG.-	.00	.0000	.0000	13.86	5.27
GADIDAE	C		.1	.1	.1 - .1	.1	.000	.000	NEG.-	.00	.0000	.0000	.03	.11

TOTAL NUMBER OF PLANKTON CATEGORIES 27

SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.07
 BIOMASS 3.11
 BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.93

Appendix 6-6. Neritic Zooplankton
Analysis Summary Tables for:

EACH TRIP, March-October 1980
ALL SITES COMBINED

LIFE HISTORY STAGE CODES

0 - Unstaged	I - Protozoa
1 - Egg	J - Juvenile
2 - Nauplius	K - Medusa
3 - Zoea	L - Egg-bearing female
4 - Megalops	M - Egg case
5 - Veliger	P - Unidentified (part)
6 - Larva	Q - Immature
7 - Juvenile	R - Subadult
8 - Adult	S - Trochophore
9 - Larva + Juv. + Adult	T - Subadult + Juv.
A - Juv. + Adult	U - Mating pair
B - Larva + Juv.	V - Mysis
C - Juv. or Adult	W - Colony
D - Polyp	X - Cyphonautes
E - Cypris	Y - Glaucothoe
F - Copepodid	+ - Egg
G - Pupa	* - All non-egg stages pooled
H - Nymph	

SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGORNOT
 PARTS CODE EXCLUDED

FROM COLLECTIONS: FILEID STATION SAMPLE

80MR20 13001 0 1
 80MR20 13001 0 2
 80MR20 13004 0 1
 80MR20 13004 0 2
 80MR19 13005 0 1
 80MR19 13005 0 2
 80MR19 13006 0 1
 80MR19 13006 0 2
 80MR20 13007 0 1
 80MR20 13007 0 2

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	10.56	7.50-13.10	1.92	.18
TOTAL WET WEIGHT (PER M**3)	.022	.001-.083	.025	1.131
TOTAL ABUNDANCE (PER M**3)	51.42	1.74-131.91	47.11	.92
SAMPLE WET WEIGHT (PER M**3)	.024	.001-.096	.028	1.170
SAMPLE DRY WEIGHT (PER M**3)	0	0-0	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BICMASS		PERCENTAGES	
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN-	BIC-
HYDROZOA	K		4.9	.5	.5 - 2.4	.9	.001	.000	NEG.-	.00	.0003	.0002	.96	.43
HYDROIDA			.6	.1	.6 - .6	.2	.000	.000	NEG.-	.00	.0001	0	.12	.03
CORDYLOPHORA SP.			2.4	.2	2.4 - 2.4	.8	.000	.000	NEG.-	.00	.0000	0	.46	.03
DBELIA SP.			.3	.0	.3 - .3	.1	.000	.000	NEG.-	.00	.0001	0	.05	.01
CTENOPHORA			.8	.1	.8 - .8	.3	.000	.000	NEG.-	.00	.0005	0	.15	.18
NEMATODA			.3	.0	.3 - .3	.1	.000	.000	NEG.-	.00	.0010	0	.05	.12
POLYCHAETA			5.8	.6	.3 - 4.0	1.3	.002	.000	NEG.-	.00	.0002	.0001	1.13	.74
POLYNOIDA			3.6	.4	.5 - 2.4	.8	.000	.000	NEG.-	.00	.0002	.0002	.70	.21
MAGELONA SP.			2.7	.3	.8 - 1.1	.4	.001	.000	NEG.-	.00	.0002	.0001	.52	.26
AMPHARETIDAE			.1	.0	.1 - .1	.0	.000	.000	NEG.-	.00	.0001	0	.02	.00
**NAME NOT FOUND (5009CCCC000)			.2	.0	.2 - .2	.1	.000	.000	NEG.-	.00	.0005	0	.03	.04
GASTROPODA			1.2	.1	1.2 - 1.2	.4	.000	.000	NEG.-	.00	.0001	0	.24	.06
MESOGASTROPODA			.3	.0	.3 - .3	.1	.000	.000	NEG.-	.00	.0001	0	.05	.01
MESOGASTROPODA-STENOGLLOSSA			.4	.0	.4 - .4	.1	.000	.000	NEG.-	.00	.0001	0	.06	.02
THECOSOMATA			7.9	.8	2.0 - 5.9	1.9	.002	.000	NEG.-	.00	.0002	0	1.54	.72
BIVALVIA			2.1	.2	.1 - 1.2	.4	.000	.000	NEG.-	.00	.0002	.0002	.41	.17
ARANEAE			.1	.0	.1 - .1	.0	.000	.000	NEG.-	.00	.0010	0	.02	.04
HALACARIDAE			.3	.0	.3 - .3	.1	.000	.000	NEG.-	.00	.0010	0	.05	.12
ARTHROPODA PYCNOGONIDA			.4	.0	.4 - .4	.1	.000	.000	NEG.-	.00	.0001	0	.08	.02
CLADOCERA-EUCLADOCERA			1.0	.1	.4 - .6	.2	.000	.000	NEG.-	.00	.0002	.0002	.15	.05
DAPHNIA SP.			.6	.1	.1 - .5	.1	.000	.000	NEG.-	.00	.0001	.0001	.11	.01
DAPHNIA GALEATA			.2	.0	.2 - .2	.1	.000	.000	NEG.-	.00	.0001	0	.04	.00
CALANOIDA			1.5	.1	.1 - .6	.2	.000	.000	NEG.-	.00	.0001	.0000	.28	.07
CALANUS SP.			24.1	2.4	1.1 - 7.9	3.1	.011	.001	NEG.-	.00	.0004	.0002	4.68	5.24
CALANUS PLUMCHRUS			4.3	.4	.6 - 3.7	1.2	.002	.000	NEG.-	.00	.0008	.0002	.83	1.40
EUCALANUS SP.			16.3	1.6	1.3 - 10.7	3.5	.006	.001	NEG.-	.00	.0003	.0001	3.17	2.79
EUCALANUS BUNGII			7.9	.8	7.9 - 7.9	2.5	.002	.000	NEG.-	.00	.0002	0	1.54	.91
PARACALANUS SP.			3.2	.3	1.2 - 2.0	.7	.000	.000	NEG.-	.00	.0001	.0001	.62	.21
CLAUSOCALANUS PARAPERGENS			2.9	.3	.8 - 2.1	.7	.000	.000	NEG.-	.00	.0001	.0001	.57	.13
PSEUDOCALANUS SP.			3.3	.3	.4 - 2.1	.7	.000	.000	NEG.-	.00	.0001	.0000	.65	.16
AETIDIUS ARMATUS			.1	.0	.1 - .1	.0	.000	.000	NEG.-	.00	.0001	0	.02	.00
METRIDIA SP.			31.7	3.2	1.2 - 19.8	6.5	.005	.001	NEG.-	.00	.0002	.0001	6.17	4.07
METRIDIA LUCENS			1.6	.2	.8 - .8	.3	.000	.000	NEG.-	.00	.0002	.0002	.31	.13
CENTROPAGES ABDOMINALIS			9.6	1.0	2.4 - 3.7	1.6	.001	.000	NEG.-	.00	.0001	.0001	1.88	.35
EURYTEMORA AMERICANA			9.6	1.0	.3 - 3.7	1.5	.001	.000	NEG.-	.00	.0001	.0001	1.87	.47
ACARTIA CLAUSI			121.8	12.2	3.2 - 63.5	20.1	.006	.001	NEG.-	.00	.0001	.0000	23.68	2.59
ACARTIA LONGIREHIS			1.5	.1	.3 - 1.2	.4	.000	.000	NEG.-	.00	.0001	.0000	.28	.03
TORTANUS DISCAUDATUS			4.0	.4	.3 - 3.7	1.2	.001	.000	NEG.-	.00	.0002	.0001	.78	.25

ORGANISM NAME		NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
PARTS CODE	LH-STAGE	TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	BIC-MASS
HARPACTICOIDA		.2	.0	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.04	.00
CORYCAEUS ANGLICUS	F	2.0	.2	.8 -	.4	.000	.000	NEG.-	.00	.0001	.0000	.35	.07
CYCLOPS SP.	L8	.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0001	0	.02	.00
CYCLOPS VERNALIS	C	.4	.0	.1 -	.1	.000	.000	NEG.-	.00	.0001	.0001	.05	.01
BALANOMORPHA	C8	3.8	.4	.3 -	.7	.000	.000	NEG.-	.00	.0001	.0000	.75	.06
ACANTHOMYSIS MACROPSIS	E2	29.1	2.9	6.1 -	3.8	.002	.006	.010-	.01	.0022	.0012	5.66	28.46
ARCHAEMYSIS GREBNITZKII	A	13.5	1.3	9.3 -	2.4	.005	.001	NEG.-	.00	.0004	.0001	2.62	2.48
NEOMYSIS MERCEDIS	C	.2	.0	.1 -	.0	.005	.000	NEG.-	.00	.0170	.0145	.05	2.12
NEOMYSIS INTEGER	C8	3.7	.4	1.2 -	.8	.045	.004	.004-	.01	.0055	.0057	.71	20.41
LAMPROPIDAE	AC	.6	.1	.6 -	.2	.000	.000	NEG.-	.00	.0001	0	.12	.03
LAMPROPS SP.	7	.8	.1	.8 -	.3	.000	.000	NEG.-	.00	.0000	0	.16	.01
LEUCON SP	C	16.3	1.8	.1 -	3.7	.002	.000	NEG.-	.00	.0003	.0004	3.57	1.18
CUMELLA SP.	8ALC7	13.2	1.3	9.2 -	2.1	.001	.000	NEG.-	.00	.0001	.0001	2.57	.58
GNDRIMOSPHAEROMA DREGONENSIS	8L	.1	.0	.1 -	.0	.001	.000	NEG.-	.00	.0000	0	.02	.05
BOPYRIDA	7	.3	.0	.1 -	.1	.000	.000	NEG.-	.00	.0001	0	.05	.01
GAMMARIDEA	C	.4	.0	.1 -	.1	.000	.000	NEG.-	.00	.0010	0	.07	.16
CORDPHIUM SP.	C7	2.2	.2	.3 -	.4	.001	.000	NEG.-	.00	.0006	.0005	.43	.43
CORDPHIUM SALMONIS	A7C	.2	.0	.1 -	.0	.000	.000	NEG.-	.00	.0010	0	.03	.08
CORDPHIUM SPINICORNE	7	.2	.0	.2 -	.1	.000	.000	NEG.-	.00	.0005	0	.04	.04
EDGAMMARUS CONFERVICOLUS	8	1.9	.2	.1 -	.6	.001	.000	NEG.-	.00	.0002	.0002	.37	.28
PARATHEMISTO PACIFICA	7	.4	.0	.4 -	.1	.001	.000	NEG.-	.00	.0020	0	.08	.36
EUPHAUSIACEA	C	3.0	.3	.3 -	.7	.002	.000	NEG.-	.00	.0008	.0010	.55	.74
HIPPOLYTI	73	1.4	.1	.6 -	.3	.001	.000	NEG.-	.00	.0008	.0002	.27	.52
CRANGONIDAE	3	62.3	6.2	.8 -	8.5	.014	.001	NEG.-	.00	.0003	.0001	12.12	6.56
UPOGEBIA PUGETTENSIS	346	24.2	2.4	20.8 -	3.9	.008	.001	NEG.-	.00	.0002	.0001	4.71	3.44
PUGETTIA SP.	346	.3	.0	10.4 -	.1	.000	.000	NEG.-	.00	.0010	0	.05	.12
PINNOTHERIDAE	4	6.0	.6	.3 -	1.0	.000	.000	NEG.-	.00	.0000	.0000	1.16	.06
CGLEMBOLA	3	.2	.0	2.9 -	.1	.000	.000	NEG.-	.00	.0001	0	.04	.00
SMINTHURIDAE	8	.1	.0	.2 -	.0	.000	.000	NEG.-	.00	.0001	0	.02	.00
HYPOGASTRURIDAE (=PODURIDAE)	C	.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0001	0	.02	.00
ISCTOMIDAE	C	.2	.0	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.03	.00
POLYCENTROPODIDAE	C	.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0010	0	.02	.04
CERATOPOGONIDAE	H	.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0010	0	.02	.04
NEMATOCERA	6	.8	.1	.1 -	.3	.000	.000	NEG.-	.00	.0001	0	.15	.02
DIPTERA-CHIRONOMIDAE	8	2.0	.2	.8 -	.3	.001	.000	NEG.-	.00	.0002	.0004	.35	.34
SAGITTA SP.	8b	13.6	1.4	.8 -	2.1	.001	.000	NEG.-	.00	.0002	.0004	.35	.34
SAGITTA ELEGANS	C7	3.1	.3	3.1 -	1.0	.002	.000	.002-	.00	.0006	0	.55	.84
DIKOPLEURA SP.	A	.4	.0	6.3 -	.1	.000	.000	NEG.-	.00	.0001	0	.08	.02
TELEDSTEI	C	3.0	.3	.4 -	.4	.001	.000	NEG.-	.00	.0002	.0002	.55	.24
TELEDSTEI	+EGG	.6	.1	1.2 -	.2	.000	.000	NEG.-	.00	.0001	0	.12	.03
OSMERIDAE	6	5.9	.6	.6 -	.8	.004	.000	NEG.-	.00	.0005	.0005	1.14	1.85
GADIDAE	6	.3	.0	2.1 -	.1	.000	.000	NEG.-	.00	.0001	0	.05	.01
COTTUS SP.	6	.7	.1	.3 -	.2	.001	.000	NEG.-	.00	.0006	0	.14	.25
COTTUS SP.	6	1.0	.1	.7 -	.2	.001	.000	NEG.-	.00	.0007	.0000	.15	.32
AMHODYTES HEXATERAS	6	.8	.1	.4 -	.3	.000	.000	NEG.-	.00	.0000	0	.16	.01
UNIDENTIFIED EGG	6	12.5	1.3	.8 -	1.6	.001	.000	NEG.-	.00	.0001	.0000	2.43	.31
UNIDENTIFIED	+EGG	.5	.0	4.0 -	.1	.000	.000	NEG.-	.00	.0006	.0006	.05	.06
	C			.1 -				NEG.-					
				.4				NFG.					

TOTAL NUMBER OF PLANKTON CATEGORIES 85

SHANNON-WEINER DIVERSITY INDEX NUMBERS

4.50

* GRAND SUMMARY *

FROM COLLECTIONS:	FILEID	STATION	SAMPLE
	80AP01	13005	0 1
	80AP01	13005	0 2
	80AP01	13006	0 1
	80AP01	13006	0 2
	80AP01	13007	0 1
	80AP01	13007	0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNDT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	7.50	7.50-7.50	0	0
TOTAL WET WEIGHT (PER M**3)	.023	.009-.031	.008	.376
TOTAL ABUNDANCE (PER M**3)	62.18	35.73-75.47	17.27	.28
SAMPLE WET WEIGHT (PER M**3)	.021	.006-.031	.010	.460
SAMPLE DRY WEIGHT (PER M**3)	0	0-0	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES		
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABLUN- DANCE	BIC- MASS
CNIDARIA			3.3	.6	3.3 - 3.3	1.4	.000	.000	NEG.-	.00	.0001	0	.89	.20
HYDROZEA	K		11.7	2.0	2.9 - 8.8	3.6	.001	.000	NEG.-	.00	.0001	.0000	3.15	.55
HYDROIDA	KW		26.8	4.5	1.2 - 13.1	6.5	.002	.000	NEG.-	.00	.0001	.0000	7.18	1.67
SIPHONOPHORA	W		5.9	1.0	.1 - 3.5	1.4	.004	.001	NEG.-	.00	.0003	.0005	1.57	2.60
LENSIA CONOIDEA	W		2.4	.4	2.4 - 2.4	1.0	.001	.000	.C01-	.00	.0006	0	.64	.98
SCYPHAZOA			.4	.1	.1 - .3	.1	.000	.000	NEG.-	.00	.0011	.0013	.11	.22
CTENOPHORA	6		7.3	1.2	.1 - 3.2	1.5	.035	.006	NEG.-	.01	.0037	.0036	1.97	26.05
POLYCHAETA	C6		.3	.0	.1 - .1	.1	.000	.000	NEG.-	.00	.0001	0	.07	.02
POLYNDIDAE	7C6		2.0	.3	.3 - .5	.1	.000	.000	NEG.-	.00	.0001	.0000	.54	.05
AUTOLYTUS SP.	B		.1	.0	.1 - .1	.1	.000	.000	NEG.-	.00	.0010	0	.04	.10
SPIONIDAE	6		13.2	2.2	.1 - 6.7	3.3	.002	.000	NEG.-	.00	.0002	.0002	3.54	1.25
MAGELONA SP.	C		.1	.0	.1 - .1	.1	.000	.000	NEG.-	.00	.0001	0	.04	.01
MESOGASTROPODA	67		7.3	1.2	.5 - 2.9	1.0	.000	.000	NEG.-	.00	.0000	.0000	1.97	.34
THECOSOMATA	C		.4	.1	.1 - .3	.1	.000	.000	NEG.-	.00	.0003	.0003	.11	.11
MYTILIDAE	7		.5	.1	.5 - .5	.2	.000	.000	NEG.-	.00	.0001	0	.14	.02
ARANEAE	B		.3	.0	.3 - .3	.1	.002	.000	.CC2-	.00	.0000	0	.07	1.18
CALANUS SP.	CA		11.6	1.9	.1 - 5.6	2.6	.010	.002	NEG.-	.00	.0006	.0003	3.11	7.20
EUCALANUS BUNGII	C		.5	.1	.3 - .3	.1	.000	.000	NEG.-	.00	.0000	.0004	.14	.20
PARACALANUS SP.	C		.3	.0	.3 - .3	.1	.000	.000	NEG.-	.00	.0001	0	.07	.01
PSEUDOCALANIDAE	F		1.1	.2	.5 - .5	.3	.000	.000	NEG.-	.00	.0001	0	.25	.04
CLAUSOCALANUS ARCUICORNIS	C		.1	.0	.1 - .1	.1	.000	.000	NEG.-	.00	.0001	0	.04	.01
CLAUSOCALANUS PARAPERGENS	B		1.3	.2	.5 - .8	.4	.000	.000	NEG.-	.00	.0000	.0000	.36	.04
PSEUDOCALANUS SP.	CB		3.6	.6	.1 - 1.6	.6	.000	.000	NEG.-	.00	.0001	.0001	.96	.25
METRIDIA LUCENS	CA		3.2	.5	.3 - 1.6	.7	.000	.000	NEG.-	.00	.0001	.0001	.86	.24
CENTROPAGES ABDOMINALIS	BA		12.9	2.2	.5 - 4.3	1.8	.005	.001	NEG.-	.00	.0005	.0007	3.47	6.40
EURYTEMORA AMERICANA	LCB		10.5	1.8	.1 - 5.6	2.4	.001	.000	NEG.-	.00	.0001	.0000	2.82	.75
EPILABIDOCERA AMPHITRITES	F		.3	.0	.3 - .3	.1	.000	.000	NEG.-	.00	.0010	0	.07	.20
ACARTIA CLAUSI	CA8		45.2	7.5	1.1 - 19.9	8.7	.002	.000	NEG.-	.00	.0000	.0000	12.12	1.61
ACARTIA TONSA	CB		2.3	.4	.3 - 1.1	.5	.000	.000	NEG.-	.00	.0001	.0001	.61	.13
HARPACTICOIDA	C		.1	.0	.1 - .1	.1	.000	.000	NEG.-	.00	.0001	0	.04	.01
ALTEUTHA SP.	L		.3	.0	.3 - .3	.1	.000	.000	NEG.-	.00	.0001	0	.07	.02
CORYCAEUS ANGLICUS	BL		2.5	.4	.1 - 1.3	.5	.000	.000	NEG.-	.00	.0001	.0000	.66	.06
DITHONA SP.			.3	.0	.3 - .3	.1	.000	.000	NEG.-	.00	.0001	0	.07	.01

ORGANISM NAME		NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
PARTS CODE	LH-STAGE	TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN- DANCE	BIC- MASS
BALANOMORPHA		16.5	3.1	1.3 - 5.3	2.2	.001	.000	NEG.-	.00	.0000	.0000	4.97	.82
ACANTHOMYSIS SP.	2E	.4	.1	.4 - .4	.2	.000	.000	NEG.-	.00	.0000	0	.11	.01
ACANTHOMYSIS MACROPSIS	7	34.5	5.8	15.2 - 19.3	9.0	.02E	.005	.013 - .015	.01	.0000	.0001	9.26	20.67
ARCHAEMYSIS GREBNITZKII	L7A	.3	.0	.3 - .3	.1	.000	.000	NEG.-	.00	.0005	0	.07	.10
LAMPROPIIDAE	C	1.1	.2	.1 - .5	.2	.000	.000	NEG.-	.00	.0001	.0000	.29	.06
LAMPROPS SP.	7C	.3	.0	.3 - .3	.1	.000	.000	NEG.-	.00	.0001	0	.07	.01
LEUCON SP	7	.7	.1	.1 - .3	.1	.000	.000	NEG.-	.00	.0001	0	.16	.05
CUMELLA SP.	87C	.3	.0	.3 - .3	.1	.000	.000	NEG.-	.00	.0001	0	.07	.02
ISOPODA	8	.1	.0	.1 - .1	.1	.000	.000	NEG.-	.00	.0001	0	.04	.01
BOPYRIDAE	C	1.1	.2	1.1 - 1.1	.4	.000	.000	NEG.-	.00	.0000	0	.29	.02
GAMMARIDEA	C	.3	.0	.3 - .3	.1	.000	.000	NEG.-	.00	.0001	0	.07	.02
CAPRELLIDEA	7	.3	.0	.3 - .3	.1	.000	.000	NEG.-	.00	.0001	0	.07	.01
EUPHAUSIACEA	7	.3	.0	.3 - .3	.1	.000	.000	NEG.-	.00	.0005	0	.07	.10
HIPPOLYTIIDAE	6	2.7	.4	.5 - 1.6	.6	.001	.000	NEG.-	.00	.0005	.0005	.71	.61
CRANGONIDAE	3	46.8	7.8	2.7 - 16.8	5.5	.011	.002	NEG.-	.00	.0002	.0001	12.54	7.97
UPDEGEBIA PUGETTENSIS	3	14.0	2.3	.7 - 5.2	1.9	.006	.001	NEG.-	.00	.0004	.0003	3.75	4.23
PAGURIDAE	63	.3	.0	.3 - .3	.1	.000	.000	NEG.-	.00	.0001	0	.07	.02
PORCELLANIDAE	3	.1	.0	.1 - .1	.1	.000	.000	NEG.-	.00	.0020	0	.04	.00
CANCER SP.	4	.3	.0	.1 - .1	.1	.000	.000	NEG.-	.00	.0001	0	.07	.02
PINNOTHERIDAE	3	40.3	6.7	1.1 - 15.7	6.4	.001	.000	NEG.-	.00	.0000	.0000	10.79	1.01
HEMIGRAPSUS SP.	3	.1	.0	.1 - .1	.1	.000	.000	NEG.-	.00	.0001	0	.04	.01
CHAETOGNATHA	3	.3	.0	.3 - .3	.1	.000	.000	NEG.-	.00	.0005	0	.07	.10
SAGITTA SP.	C	10.9	1.8	.3 - 5.9	2.2	.007	.001	NEG.-	.00	.0000	.0006	2.93	4.82
DIKOPLEURA SP.	7	1.1	.2	.3 - .8	.3	.000	.000	NEG.-	.00	.0001	.0000	.29	.04
TELEOSTEI	C	2.1	.4	.1 - 1.1	.4	.000	.000	NEG.-	.00	.0001	.0000	.57	.07
OSMERIDAE	+EGG	3.2	.5	.3 - 1.2	.4	.006	.001	NEG.-	.00	.0010	.0020	.86	4.15
COTTUS SP.	6	3.1	.5	.1 - 1.3	.5	.002	.000	NEG.-	.00	.0005	.0003	.82	1.31
AMMODYTES HEXATERAS	6	.1	.0	.1 - .1	.1	.000	.000	NEG.-	.00	.0001	0	.04	.01
UNIDENTIFIED EGG	6	8.8	1.5	.4 - 3.5	1.6	.000	.000	NEG.-	.00	.0000	.0000	2.36	.14
UNIDENTIFIED	+EGG	2.7	.4	.3 - 1.3	.6	.001	.000	NEG.-	.00	.0002	.0002	.71	.42
	C6												

TOTAL NUMBER OF PLANKTON CATEGORIES 63

SHANNON-WEINER DIVERSITY INDEX NUMBERS 4.44
 BIOMASS 3.66
 BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 4.19

FROM COLLECTIONS:	FILEID	STATION	SAMPLE
	80AP15	13004	C 1
	80AP15	13004	C 2
	80AP15	13005	D 1
	80AP15	13005	C 2
	80AP15	13006	C 1
	80AP15	13006	D 2
	80AP15	13007	C 1
	80AP15	13007	D 2

SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGORNDT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	4.60	1.20-8.80	2.98	.65
TOTAL WET WEIGHT (PER M**3)	.123	.002-.228	.086	.694
TOTAL ABUNDANCE (PER M**3)	336.95	1.1E-890.00	335.25	.99
SAMPLE WET WEIGHT (PER M**3)	.142	.002-.240	.094	.661
SAMPLE DRY WEIGHT (PER M**3)	0	0-0	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			WET WEIGHT, GRAMS/M**3				AVG. BICPASS		PERCENTAGES ABUN-DANCE BIC-PASS		
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	BIC-PASS
CNIDARIA			3.3	.4	3.3 -	1.2	.007	.001	.007-	.00	.0020	C	.12	.68
HYDRDZDA	K		.9	.1	.9 -	.3	.000	.000	NEG.-	.00	.0001	0	.03	.00
HYDRDIDA	K		35.8	4.5	.9 -	8.8	.002	.000	NEG.-	.00	.0001	.0001	1.33	.22
CORDYLOPHORA SP.	KW		16.7	2.1	25.5 -	5.9	.000	.000	NEG.-	.00	.0000	C	.62	.03
LENSIA CONOIDEA	D		.3	.0	16.7 -	.1	.000	.000	NEG.-	.00	.0001	0	.01	.00
CTENOPHORA	W		6.4	.8	.3 -	1.3	.002	.000	NEG.-	.00	.0009	.0014	.24	.20
POLYCHAETA	C		10.0	1.2	3.3 -	3.5	.002	.000	NEG.-	.00	.0002	C	.37	.34
POLYNDIDAE	6		1.2	.2	10.0 -	.4	.000	.000	NEG.-	.00	.0001	C	.04	.01
SPIONIDAE	6		6.7	.8	1.2 -	1.3	.000	.000	NEG.-	.00	.0001	.0000	.25	.05
MESOGASTROPODA	76		3.6	.5	.9 -	1.2	.000	.000	NEG.-	.00	.0001	C	.13	.04
MESOGASTROPODA-STENOGLLOSSA	7		3.6	.5	3.3 -	1.2	.000	.000	NEG.-	.00	.0001	C	.13	.04
THECOSOMATA	7		.9	.1	.3 -	.3	.000	.000	NEG.-	.00	.0003	0	.03	.03
VENEROIDA	C		6.7	.8	.9 -	2.4	.000	.000	NEG.-	.00	.0001	C	.25	.03
MACOMA SP.	7		7.0	.9	6.7 -	2.3	.000	.000	NEG.-	.00	.0001	.0000	.26	.04
HALACARIDAE	7		3.3	.4	.3 -	1.2	.000	.000	NEG.-	.00	.0001	C	.12	.03
DAPHNIA SP.	8		.4	.0	3.3 -	.1	.000	.000	NEG.-	.00	.0001	0	.01	.00
PODDON SP.	C		4.5	.6	.4 -	1.2	.000	.000	NEG.-	.00	.0001	0	.17	.05
CALANOIDA	8		1.8	.2	1.2 -	.6	.000	.000	NEG.-	.00	.0000	0	.07	.00
CALANUS SP.	C		518.0	64.8	1.8 -	83.0	.151	.015	NEG.-	.02	.0004	.0001	19.22	15.33
EUCALANUS BUNGLII	AC		3.3	.4	3.2 -	.9	.002	.000	.060	.00	.0010	C	.12	.24
PARACALANUS SP.	AC		.6	.1	.9 -	.2	.000	.000	NEG.-	.00	.0001	0	.02	.00
CLAUSOCALANUS PARAPERGENS	8		32.1	4.0	.6 -	9.2	.001	.000	NEG.-	.00	.0001	.0001	1.15	.10
PSEUDOCALANUS SP.	8CA		107.9	13.5	26.7 -	16.7	.008	.001	NEG.-	.00	.0001	.0000	4.00	.75
METRIDIA LUCENS	CAB		47.9	6.0	1.8 -	6.5	.012	.002	.003	.00	.0003	.0000	1.76	1.23
CENTROPAGES ABDOMINALIS	A		157.4	19.7	10.3 -	23.8	.015	.002	.003	.00	.0001	.0000	5.84	1.51
EURYTEMORA AMERICANA	AC		31.7	4.0	13.3 -	7.4	.003	.000	NEG.-	.00	.0001	.0000	1.17	.33
ACARTIA CLAUSI	LBC		152.0	19.0	56.7 -	21.7	.005	.001	NEG.-	.00	.0000	.0000	5.64	.47
ACARTIA LONGIREMIS	CAB		4.5	.6	18.2 -	1.6	.000	.000	.002	.00	.0001	C	.17	.05
TDRTANUS DISCAUDATUS	C		1.2	.2	4.1 -	.4	.000	.000	NEG.-	.00	.0001	0	.04	.01
HARPACTICOIDA	8		.9	.1	58.2 -	.3	.000	.000	NEG.-	.00	.0001	0	.03	.00
CORDYCAEUS ANGLICUS	C		.3	.0	4.5 -	.1	.000	.000	NEG.-	.00	.0001	0	.01	.00
CYCLOPS SP.	L		4.7	.6	4.5 -	1.4	.001	.000	NEG.-	.00	.0001	.0000	.16	.05
	BC				4.1				NEG.-					

NERITIC PLANKTON ANALYSIS

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BICPASS		PERCENTAGE	
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-	DANCE
BALANOMORPHA			787.1	96.4	.5 - 343.3	138.9	.042	.005	NEG.-	.01	.0001	.0000	29.20	4.
ACANTHOMYSIS SP.	2		10.0	1.2	10.0 -	3.5	.003	.000	.C03-	.00	.0003	0	.37	
ACANTHOMYSIS MACROPSIS	7		11.4	1.4	5.5 - 10.0	2.6	.008	.001	.C02-	.00	.0007	.0004	.42	
ARCHAEMYSIS GREBNITZKII	7		2.3	.3	5.9 - 1.0	.6	.001	.000	NEG.-	.00	.0003	.0001	.09	
NEOMYSIS MERCEDES	C		4.7	.6	1.4 - .2	1.1	.014	.002	NEG.-	.00	.0003	.0017	.18	1
LAMPROPIIDAE	7A		.3	.0	3.2 - .3	.1	.000	.000	NEG.-	.00	.0001	0	.01	
LEUCONIDAE	7		.3	.0	.3 - .3	.1	.000	.000	NEG.-	.00	.0001	0	.01	
LEUCON SP	7		116.3	14.8	3.3 - .3	26.4	.034	.004	NEG.-	.01	.0002	.0001	4.39	3
CUMELLA SP.	ALC		170.8	21.4	59.1 - .2	38.6	.035	.004	NEG.-	.01	.0002	.0001	6.24	3
GNDRIMOSPHEROMA DREGONENSIS	CBLA		3.3	.4	90.0 - 3.3	1.2	.070	.009	.C70-	.02	.0210	0	.12	1
BOPYRIDAE	8		.5	.1	3.3 - .5	.7	.000	.000	NEG.-	.00	.0001	0	.02	
AYTLUS TRIDENS	C		3.3	.4	.5 - 3.3	1.2	.003	.000	NEG.-	.00	.0010	0	.12	
COROPHIUM SP.	7		2.1	.3	3.3 - .9	.5	.000	.000	NEG.-	.00	.0001	.0000	.08	
COROPHIUM BREVIS	7		.9	.1	1.2 - .9	.3	.000	.000	NEG.-	.00	.0005	0	.03	
COROPHIUM SALMONIS	7		1.8	.2	.9 - .9	.4	.001	.000	NEG.-	.00	.0007	.0004	.07	
COROPHIUM SPINICORNE	7C		7.5	.9	.8 - .9	1.5	.017	.002	.C02-	.00	.0023	.0006	.28	
EDGAMMARUS CONFERVICOLUS	A		8.7	1.1	3.5 - .2	1.6	.007	.001	NEG.-	.00	.0010	.0013	.22	
EUPHAUSIACEA	7C		44.8	5.6	3.6 - 6.1	6.7	.002	.000	NEG.-	.00	.0001	.0000	1.66	
CRANGONIDAE	6		124.5	15.6	16.7 - 1.8	28.2	.023	.002	NEG.-	.00	.0002	.0001	4.62	
CRANGON SP.	3		15.0	1.9	76.7 - 6.4	3.5	.015	.002	.C06-	.00	.0010	.0001	.56	
CALLIANASSIDAE	73		.9	.1	8.6 - .9	.3	.001	.000	NEG.-	.00	.0010	0	.03	
UPDEGBIA PUGETTENSIS	3		46.2	6.0	.9 - .9	10.1	.019	.002	NEG.-	.00	.0001	.0003	1.79	
CALLIANASSA SP.	37		3.3	.4	26.7 - 3.3	1.7	.000	.000	NEG.-	.00	.0001	0	.12	
PETROLISTHES SP.	3		3.3	.4	3.3 - 3.3	1.2	.002	.000	NEG.-	.00	.0010	0	.12	
CANCER SP.	3		7.6	.9	3.3 - .3	1.2	.146	.016	.C03-	.04	.0209	.0267	.28	
CANCER MAGISTER	43		2.4	.3	3.3 - 1.2	.6	.143	.016	.C05-	.03	.0591	.0030	.09	
PINNOOTHERIDAE	4		25.8	3.2	1.2 - 2.4	5.9	.001	.000	NEG.-	.00	.0000	.0000	.96	
EPHEMEROPTERA	3		.5	.1	16.7 - .5	.2	.000	.000	NEG.-	.00	.0001	0	.02	
HOMOPTERA	H		3.3	.4	3.3 - 3.3	1.2	.000	.000	NEG.-	.00	.0001	0	.12	
DIPTERA-CHIRONOMIDAE	6		.2	.0	.2 - .2	.1	.000	.000	NEG.-	.00	.0010	0	.01	
SAGITTA SP.	6		52.9	6.6	1.4 - 23.3	7.7	.050	.006	.C01-	.01	.0009	.0005	1.96	
DIKOPLEURA SP.	7CA		4.2	.5	.9 - .9	1.2	.000	.000	NEG.-	.00	.0001	.0000	.16	
TELEOSTEI	C		13.6	1.7	3.3 - .3	3.5	.001	.000	NEG.-	.00	.0001	.0000	.51	
TELEOSTEI	+EGG		11.4	1.4	10.0 - .5	2.2	.005	.001	NEG.-	.00	.0002	.0002	.42	
OSMERIDAE	6		4.2	.5	6.1 - .4	1.2	.000	.000	NEG.-	.00	.0001	.0000	.16	
GADIDAE	6		3.3	.4	3.3 - 3.3	1.2	.000	.000	NEG.-	.00	.0001	0	.12	
COYTUS SP.	6		2.1	.3	.2 - .2	.3	.000	.000	NEG.-	.00	.0004	.0004	.08	
**NAME NOT FOUND (0042130200)	6		1.4	.2	.9 - .5	.3	.115	.014	NEG.-	.04	.0630	.0850	.05	
UNIDENTIFIED EGG	6		13.3	1.7	13.3 - .9	4.7	.000	.000	NEG.-	.00	.0000	0	.49	
	+EGG				13.3				NEG.-					

TOTAL NUMBER OF PLANKTON CATEGORIES 71

SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.78
BICPASS 3.98
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 3.71

* GRAND SUMMARY *

FROM COLLECTIONS:

FILEID	STATION	SAMPLE
BOAP29	13001	0 1
BOAP29	13001	0 2
BOAP29	13004	0 1
BOAP29	13004	C 2
BOAP29	13005	G 1
BOAP29	13005	0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	3.83	1.80-	1.56	.41
TOTAL WET WEIGHT (PER M**3)	.117	.008-	.111	.944
TOTAL ABUNDANCE (PER M**3)	903.61	21.67-	1007.16	1.11
SAMPLE WET WEIGHT (PER M**3)	.116	.007-	.106	.918
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	* NUMBERS/M**3 *			* WET WEIGHT, GRAMS/M**3 *				* AVG. BICMASS *		* PERCENTAGES *		
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- DANCE	* BIC- MASS
HYDROZEA			128.3	21.4	16.0 -	30.1	.010	.002	.003-	.00	.0001	.0001	2.37	1.42
	K				74.9			.003						
CORDYLOPHORA SP.			1.7	.3	1.7 -	.7	.000	.000	NEG.-	.00	.0000	0	.03	.01
	D				1.7			NEG.-						
POLYCHAETA			4.0	.7	.6 -	1.4	.000	.000	NEG.-	.00	.0001	0	.07	.06
	C6				3.4			NEG.-						
POLYNOIDAE			16.8	2.8	3.2 -	5.5	.001	.000	NEG.-	.00	.0001	.0001	.31	.09
	6C				13.6			NEG.-						
SPIONIDAE			.6	.1	.6 -	.2	.000	.000	NEG.-	.00	.0001	0	.01	.01
	6				.6			NEG.-						
MESOGASTROPODA			13.6	2.3	13.6 -	5.6	.002	.001	.003-	.00	.0003	0	.25	.46
	7				13.6			.003						
CERIODAPHRNIA RETICULATA			1.1	.2	1.1 -	.5	.000	.000	NEG.-	.00	.0001	0	.02	.01
	B				1.1			NEG.-						
BOSMINA SP.			.6	.1	.6 -	.2	.000	.000	NEG.-	.00	.0001	0	.01	.01
	L				.6			NEG.-						
CHYDRIDAE			1.7	.3	1.7 -	.7	.000	.000	NEG.-	.00	.0000	0	.03	.01
	B				1.7			NEG.-						
CALANOIDA			6.8	1.1	6.8 -	2.8	.000	.000	NEG.-	.00	.0001	0	.13	.05
	F				6.8			NEG.-						
CALANUS SP.			53.0	8.8	13.6 -	10.1	.010	.002	.003-	.00	.0002	.0001	.98	1.42
	FCA				22.4			.003						
PARACALANUS SP.			9.6	1.6	3.4 -	2.7	.001	.000	NEG.-	.00	.0001	.0000	.18	.09
	CF				6.4			NEG.-						
CLAUSOCALANUS PARAPERGENS			6.8	1.1	6.8 -	2.8	.000	.000	NEG.-	.00	.0001	0	.13	.05
	C				6.8			NEG.-						
PSEUDOCALANUS SP.			79.3	13.2	9.6 -	11.9	.010	.002	NEG.-	.00	.0001	.0001	1.46	1.47
	ABC				28.8			.003						
CENTROPAGES ABDOMINALIS			10.2	1.7	3.4 -	2.8	.001	.000	NEG.-	.00	.0001	.0000	.19	.10
	C				6.8			NEG.-						
EURYTEMORA AMERICANA			2449.9	408.3	9.4 -	472.2	.176	.029	NEG.-	.04	.0001	.0000	45.19	25.00
	LBA				1256.2			.092						
ACARTIA SP.			3.4	.6	3.4 -	1.4	.000	.000	NEG.-	.00	.0001	0	.06	.03
	C				3.4			NEG.-						
ACARTIA CLAUSI			2187.6	364.6	3.3 -	454.9	.110	.018	NEG.-	.03	.0000	.0000	40.35	15.68
	CA8				1232.3			.068						
ACARTIA TONSA			3.2	.5	3.2 -	1.3	.000	.000	NEG.-	.00	.0001	0	.06	.03
	B				3.2			NEG.-						
HARPACTICOIDA			.6	.1	.6 -	.2	.000	.000	NEG.-	.00	.0001	0	.01	.01
	B				.6			NEG.-						
SCOTTOLANA CANADENSIS			3.4	.6	3.4 -	1.4	.000	.000	NEG.-	.00	.0001	0	.06	.03
	C				3.4			NEG.-						
ALTEUTHA SP.			3.4	.6	3.4 -	1.4	.000	.000	NEG.-	.00	.0001	0	.06	.03
	C				3.4			NEG.-						
HUNTEMANIA JADENSIS			1.1	.2	1.1 -	.5	.000	.000	NEG.-	.00	.0001	0	.02	.01
	LB				1.1			NEG.-						
BRYOCAMPTUS SP.			3.2	.5	3.2 -	1.3	.000	.000	NEG.-	.00	.0001	0	.06	.03
	C				3.2			NEG.-						

NERITIC PLANKTON ANALYSIS

ORGANISM NAME		NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BICMASS		PERCENTAGES	
PARTS CODE	LH-STAGE	TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	BIC-MASS
COXYCAEUS ANGLICUS		3.4	.6	3.4 -	1.4	.000	.000	NEG.-	.00	.0000	0	.06	.05
	B			3.4				NEG.					
CYCLOPS SP.		3.2	.5	3.2 -	1.3	.000	.000	NEG.-	.00	.0000	0	.06	.05
	C			3.2				NEG.					
CYCLOPS VERNALIS		7.2	1.2	.6 -	1.6	.001	.000	NEG.-	.00	.0000	.0000	.13	.10
	8C			3.4				NEG.					
CYCLOPS BICUSPIDATUS		2.2	.4	1.1 -	.6	.000	.000	NEG.-	.00	.0000	0	.04	.02
	8F			1.1				NEG.					
BALANIDMORPHA		90.5	15.1	6.4 -	19.1	.001	.000	NEG.-	.00	.0000	.0000	1.67	.19
	2			51.1				NEG.					
MYSIDACEA-MYSIDA		13.4	2.2	2.2 -	3.1	.002	.000	NEG.-	.00	.0000	.0001	.25	.26
	7			7.8				.002					
ACANTHOMYSIS MACROPSIS		67.3	11.2	6.4 -	15.4	.051	.000	.003-	.01	.0000	.0002	1.24	7.20
	7A			40.9				.034					
NEOMYSIS MERCEDES		21.1	3.5	1.7 -	4.8	.000	.011	.003-	.02	.0000	.0105	.29	9.41
	8A7			12.8				.037					
LEUCON SP.		20.0	3.3	3.2 -	3.7	.001	.000	NEG.-	.00	.0000	.0000	.37	.19
	8C7			10.2				NEG.					
CUMELLA SP.		46.8	7.8	3.2 -	9.0	.010	.002	NEG.-	.00	.0000	.0001	.66	1.47
	B			23.8				.003					
BOPYRIDAE		10.2	1.7	10.2 -	4.2	.000	.000	NEG.-	.00	.0000	0	.19	.05
	C			10.2				NEG.					
COROPHIUM SP.		7.0	1.2	.6 -	1.6	.001	.000	NEG.-	.00	.0000	0	.13	.10
	7			3.2				NEG.					
COROPHIUM SPINICORNE		4.4	.7	4.4 -	1.8	.002	.000	.003-	.00	.0000	0	.08	.29
	7			4.4				.003					
EOGAMMARUS CONFERVICOLUS		51.9	8.7	.6 -	9.2	.010	.002	NEG.-	.00	.0000	.0001	.96	1.48
	7			22.4				.003					
CRANGONIDAE		9.8	1.6	3.4 -	2.7	.007	.001	.003-	.00	.0000	.0004	.18	.94
	7			6.4				.003					
PLECOPTERA		.6	.1	.6 -	.2	.000	.000	NEG.-	.00	.0000	0	.01	.01
	H			.6				NEG.					
DIPTERA-CHIRONOMIDAE		1.7	.3	1.7 -	.7	.000	.000	NEG.-	.00	.0000	0	.03	.01
	6			1.7				NEG.					
SAGITTA SP.		6.8	1.1	3.4 -	1.8	.004	.001	NEG.-	.00	.0000	.0006	.13	.52
	6			3.4				.003					
DIKOPLEURA SP.		20.2	3.4	3.2 -	4.3	.001	.000	NEG.-	.00	.0000	.0000	.27	.14
	C7			10.2				NEG.					
DSMERIDAE		6.4	1.1	6.4 -	2.6	.005	.034	.005-	.08	.0000	0	.12	29.10
	6			6.4				.005					
COTTUS SP.		10.7	1.8	1.7 -	2.6	.012	.002	.001-	.00	.0000	.0010	.20	1.91
	6			6.8				.007					
UNIDENTIFIED EGG		26.9	4.5	1.1 -	8.9	.001	.000	NEG.-	.00	.0000	.0000	.50	.10
	+EGG			22.4				NEG.					

TOTAL NUMBER OF PLANKTON CATEGORIES 46

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.07
BIOMASS 2.96
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.05

FROM COLLECTIONS:	FILEID	STATION	SAMPLE
	80MY14	13001	D 1
	80MY14	13001	D 2
	80MY14	13004	D 1
	80MY14	13004	D 2
	80MY15	13005	C 1
	80MY15	13005	D 2
	80MY15	13006	C 1
	80MY15	13006	C 2
	80MY13	13007	C 1
	80MY13	13007	D 2

SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGORNOT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	8.99	6.80-11.97	2.15	.24
TOTAL WET WEIGHT (PER M**3)	.028	.004-.089	.027	.956
TOTAL ABUNDANCE (PER M**3)	347.07	19.67-1405.13	438.04	1.26
SAMPLE WET WEIGHT (PER M**3)	.029	.003-.092	.029	.998
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BICMASS		PERCENTAGES	
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN-DANCE	BIC-MASS
CNIDARIA			.5	.1	.5 - .5	.2	.003	.000	.003-.003	.00	.0000	0	.02	1.15
HYDROZOA	K		4.7	.5	4.7 - .5	1.5	.000	.000	NEG.-NEG.	.00	.0000	0	.14	.04
HYDROIDA	WK		10.3	1.0	4.7 - 3.2	1.3	.011	.001	NEG.-.006	.00	.0011	.0011	.30	4.02
CORDYLOPHORA SP.	D		.4	.0	.4 - .4	.1	.000	.000	NEG.-NEG.	.00	.0001	0	.01	.01
SIPHONOPHORA	W		.5	.1	.5 - .5	.2	.000	.000	NEG.-NEG.	.00	.0001	0	.02	.02
POLYCHAETA	6		2.1	.2	2.1 - 2.1	.7	.000	.000	NEG.-NEG.	.00	.0000	0	.06	.02
POLYNDIDAE	6		1.3	.1	.2 - 1.2	.4	.000	.000	NEG.-NEG.	.00	.0001	0	.04	.05
PHYLLODOCIDAE	C		.2	.0	.2 - .2	.1	.000	.000	NEG.-NEG.	.00	.0010	0	.00	.06
SPIONIDAE	6C		3.3	.3	.5 - 2.1	.7	.000	.000	NEG.-NEG.	.00	.0001	0	.05	.12
OLIGOCHAETA	C		.2	.0	.2 - .2	.1	.000	.000	NEG.-NEG.	.00	.0001	0	.00	.01
MESOGASTROPODA	+-EGG		.7	.1	.7 - .7	.2	.000	.000	NEG.-NEG.	.00	.0001	0	.02	.02
MESOGASTROPODA	7C		11.1	1.1	.1 - 3.7	1.4	.001	.000	NEG.-NEG.	.00	.0001	.0000	.32	.21
BIVALVIA	7C		9.8	1.0	.2 - 3.5	1.3	.001	.000	NEG.-NEG.	.00	.0001	.0002	.20	.22
VENERDIDA	7		2.1	.2	2.1 - 2.1	.6	.000	.000	NEG.-NEG.	.00	.0001	0	.06	.07
HALACARIDAE	8		.5	.1	.5 - .5	.2	.000	.000	NEG.-NEG.	.00	.0001	0	.02	.02
CERIODAPHNIA RETICULATA	8		.2	.0	.2 - .2	.1	.000	.000	NEG.-NEG.	.00	.0001	0	.01	.01
EVADNE SP.	LC8		6.2	.8	1.1 - 3.6	1.5	.000	.000	NEG.-NEG.	.00	.0000	.0000	.23	.09
PODON SP.	8L		46.3	4.6	4.7 - 24.5	8.0	.002	.000	NEG.-.001	.00	.0000	.0000	1.33	.68
COPEPODA	+-EGG		2.1	.2	2.1 - 2.1	.6	.000	.000	NEG.-NEG.	.00	.0001	0	.06	.07
CALANOIDA	C		3.5	.4	3.5 - 3.5	1.1	.000	.000	NEG.-NEG.	.00	.0000	0	.10	.04
CALANUS SP.	F		76.7	7.7	.8 - 29.3	10.0	.003	.000	NEG.-.002	.00	.0001	.0000	2.21	1.71
EUCALANUS BUNGII	F		1.1	.1	1.1 - 1.1	.3	.001	.000	NEG.-NEG.	.00	.0005	0	.03	.19
PARACALANUS SP.	8C		54.8	5.5	2.4 - 17.1	7.5	.002	.000	NEG.-.001	.00	.0001	.0000	1.58	.99
CLAUSOCALANUS PARAPERGENS	8		2.7	.3	.5 - 2.1	.7	.000	.000	NEG.-NEG.	.00	.0001	.0000	.08	.04
PSEUDOCALANUS SP.	8CA		55.3	5.5	2.1 - 30.9	10.4	.004	.000	NEG.-.002	.00	.0001	.0000	1.55	1.37
METRIDIA SP.	F		.5	.1	.5 - .5	.2	.000	.000	NEG.-NEG.	.00	.0001	0	.02	.02
CENTROPAGES ABDOMINALIS	FCA		323.4	32.3	.2 - 95.3	38.0	.020	.002	NEG.-.001	.00	.0001	.0000	9.32	7.06
DIAPTOMUS SP.	C		.2	.0	.2 - .2	.1	.000	.000	NEG.-NEG.	.00	.0001	0	.01	.01
EURYTEMORA AMERICANA	8LFA		1547.3	154.7	4.3 - 951.8	320.0	.056	.006	NEG.-.029	.01	.0000	.0000	44.58	20.35
EPILABIDOCERA AMPHITRITES	F		.5	.1	.5 - .5	.2	.000	.000	NEG.-NEG.	.00	.0001	0	.02	.02
ACARTIA CLAUSI	8A		397.0	39.7	.2 - 166.2	50.3	.013	.001	NEG.-.004	.00	.0000	.0000	11.44	4.61

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	BIC-MASS
ACARTIA DANAE			.5	.1	.5 - .5	.2	.000	.000	NEG.-	.00	.0001	0	.02	.02
ACARTIA LONGIREMIS	8		13.2	1.3	1.2 - 8.5	2.8	.001	.000	NEG.-	.00	.0001	.0000	.98	.28
ACARTIA TONSA	CA		106.5	10.7	.3 - 34.1	14.7	.007	.001	NEG.-	.00	.0001	.0000	3.07	2.66
HARPACTICOIDA	8A		.2	.0	.2 - .2	.1	.000	.000	NEG.-	.00	.0001	0	.00	.01
SCOTTDLANA CANADENSIS	C		.4	.0	.2 - .2	.1	.000	.000	NEG.-	.00	.0001	0	.01	.01
HARPACTICUS SP.	F8		3.6	.4	.1 - 2.4	.8	.000	.000	NEG.-	.00	.0001	.0000	.10	.09
NITOCRA SP.	8CL		2.1	.2	2.1 - 2.1	.6	.000	.000	NEG.-	.00	.0001	0	.06	.07
HUNTEMANIA JADENSIS	8		2.8	.3	.2 - 2.1	.6	.000	.000	NEG.-	.00	.0001	.0000	.08	.09
BRYOCAMPTUS SP.	8		6.5	.7	.4 - 4.1	1.4	.000	.000	NEG.-	.00	.0001	.0000	.19	.15
CORYCAEUS ANGLICUS	8C		5.3	.5	1.2 - 2.7	.9	.000	.000	NEG.-	.00	.0001	.0000	.15	.09
CYCLOPS VERNALIS	8L		3.6	.4	.2 - 2.1	.6	.000	.000	NEG.-	.00	.0001	.0000	.10	.10
CYCLOPS BICUSPIDATUS	L8		.9	.1	.4 - .6	.2	.000	.000	NEG.-	.00	.0000	.0000	.03	.01
EUCYCLOPS AGILIS	8		.6	.1	.6 - .6	.2	.000	.000	NEG.-	.00	.0000	0	.02	.01
EUCYCLOPS PHALERATUS	8		.2	.0	.2 - .2	.1	.000	.000	NEG.-	.00	.0001	0	.01	.01
MACROCYCLOPS SP.	8		.2	.0	.2 - .2	.1	.000	.000	NEG.-	.00	.0001	0	.01	.01
BALANOMORPHA	8		377.0	37.7	.4 - 119.0	42.1	.010	.001	NEG.-	.00	.0000	.0000	10.86	3.76
MYSIDACEA-MYSIDA	27E		26.5	2.6	.7 - 16.4	5.1	.026	.003	NEG.-	.01	.0006	.0005	.76	9.22
ACANTHOMYSIS SP.	7		8.2	.8	8.2 - 8.2	2.6	.004	.000	.004-	.00	.0005	0	.24	1.46
NEOMYSIS MERCEDIS	7		4.1	.4	.2 - 2.1	.7	.036	.004	.004-	.01	.0144	.0094	.12	13.02
NEOMYSIS INTEGER	8A7		2.1	.2	2.1 - 2.1	.6	.027	.003	.027-	.01	.0130	0	.06	9.61
LAMPROPIDAE	8		7.3	.7	.5 - 2.4	1.1	.002	.000	NEG.-	.00	.0002	.0002	.21	.56
LEUCON SP	7C		95.6	9.6	.6 - 53.3	17.3	.006	.001	NEG.-	.00	.0001	.0001	2.75	2.22
CUMELLA SP.	ACT8		33.6	3.4	.2 - 14.4	4.8	.001	.000	NEG.-	.00	.0001	.0001	.97	.46
GNDRIMOSPHAEROMA DREGONENSIS	LABC		.2	.0	.2 - .2	.1	.000	.000	NEG.-	.00	.0001	0	.01	.01
BOPYRIDAE	7		1.2	.1	1.2 - 1.2	.4	.000	.000	NEG.-	.00	.0001	0	.03	.04
GAMMARIDEA	C		1.2	.1	1.2 - 1.2	.4	.000	.000	NEG.-	.00	.0001	0	.03	.04
CORDOPHIUM SP.	7		26.5	2.7	1.1 - 6.6	2.6	.002	.000	NEG.-	.00	.0001	.0000	.76	.62
CORDOPHIUM SPINICORNE	7		2.3	.2	.2 - 2.1	.6	.001	.000	NEG.-	.00	.0006	.0010	.07	.19
ANISOGAMMARUS SP.	8C		.4	.0	.4 - .4	.1	.000	.000	NEG.-	.00	.0001	0	.01	.01
EOGAMMARUS CONFERVICOLUS	7		66.7	6.7	.7 - 30.8	12.7	.010	.001	NEG.-	.00	.0003	.0002	1.92	3.72
EUPHAUSIACEA	7		6.5	.7	.2 - 3.7	1.2	.000	.000	NEG.-	.00	.0001	.0000	.19	.09
CRANGONIDAE	6		8.6	.9	.3 - 4.3	1.6	.004	.000	NEG.-	.00	.0018	.0022	.23	1.28
CRANGON SP.	73		2.1	.2	2.1 - 2.1	.6	.002	.000	.002-	.00	.0010	0	.06	.74
PINNOTHERIDAE	7		.5	.1	.5 - .5	.2	.000	.000	NEG.-	.00	.0001	0	.02	.02
DIPTERA-CHIRONOMIDAE	3		.6	.1	.2 - .4	.1	.000	.000	NEG.-	.00	.0002	.0001	.02	.05
DIPTERA-BRACHYCERA	G8		.2	.0	.2 - .2	.1	.000	.000	NEG.-	.00	.0020	0	.01	.16
MUSCOIDEA	8		.7	.1	.7 - .7	.2	.003	.000	.003-	.00	.0040	0	.02	1.02
HYMENOPTERA	8		.1	.0	.1 - .1	.0	.000	.000	NEG.-	.00	.0010	0	.00	.04
GYMNOLAEMATA	8		.5	.1	.5 - .5	.2	.000	.000	NEG.-	.00	.0001	0	.02	.02
CHAETOGNATHA	X		.1	.0	.1 - .1	.0	.000	.000	NEG.-	.00	.0001	0	.00	.00
SAGITTA SP.	7		8.8	.9	1.2 - 4.8	1.7	.006	.001	NEG.-	.00	.0005	.0004	.25	2.16
DIKOPLEURA SP.	7		39.0	3.9	3.5 - 22.9	7.2	.001	.000	NEG.-	.00	.0000	.0000	1.12	.30
TELEOSTEI	C		12.6	1.3	4.8 - 7.6	2.8	.004	.000	.002-	.00	.0003	.0000	.36	1.35
TELEOSTEI	+EGG		1.2	.1	1.2 - 1.2	.4	.000	.000	NEG.-	.00	.0001	0	.03	.04
GADIDAE	6		.5	.1	.5 - .5	.2	.000	.000	NEG.-	.00	.0001	0	.02	.02
COTTUS SP.	6		4.7	.5	.1 - 2.1	.8	.001	.000	NEG.-	.00	.0002	.0002	.14	.42
GOBIIDAE	6		4.7	.5	.1 - 4.1	1.3	.000	.000	NEG.-	.00	.0003	.0005	.14	.15
UNIDENTIFIED EGG	6		12.4	1.2	.2 - 10.6	3.3	.001	.000	NEG.-	.00	.0003	.0005	.36	.25
	+EGG								NEG.					

TOTAL NUMBER OF PLANKTON CATEGORIES 79

SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.12
BIOPASS 4.16

FRM COLLECTIONS:	FILEID	STATION	SAMPLE
	80MY29	13004	C 1
	80MY29	13004	C 2
	80MY29	13005	C 1
	80MY29	13005	C 2
	80MY28	13006	C 1
	80MY28	13006	C 2

SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGORNOT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME	8.43	6.60-	2.11	.25
(M**3)		11.10		
TOTAL WET WEIGHT	.160	.006-	.219	1.364
(PER M**3)		.584		
TOTAL ABUNDANCE	200.39	113.51-	64.80	.32
(PER M**3)		289.85		
SAMPLE WET WEIGHT	.225	.006-	.353	1.570
(PER M**3)		.926		
SAMPLE DRY WEIGHT	0	C-	0	C
(PER M**3)		C		

ORGANISM NAME	PARTS CODE	LH-STAGE	* NUMBERS/M**3				* WET WEIGHT, GRAMS/M**3				* AVE. BIGMASS		* PERCENTAGES	
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- * CANCE	BIC- MASS
HYDROZOA			.6	.1	.6 -	.2	.000	.000	NEG.-	.00	.0001	C	.05	.01
	K				.6			NEG.						
HYDROIDA			1.6	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	.0000	.13	.01
	K				1.1			NEG.						
CORDYLOPHORA SP.			1.6	.3	1.6 -	.6	.000	.000	NEG.-	.00	.0000	0	.13	.01
	D				1.6			NEG.						
POLYCHAETA			.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0001	C	.04	.01
	6				.5			NEG.						
POLYNOIDAE			2.0	.3	.4 -	.4	.000	.000	NEG.-	.00	.0001	.0000	.16	.01
	7				1.1			NEG.						
MESOGASTROPODA			4.7	.8	.4 -	.6	.000	.000	NEG.-	.00	.0001	.0000	.35	.03
	76				1.8			NEG.						
EVADNE SP.			1.1	.2	1.1 -	.4	.000	.000	NEG.-	.00	.0001	C	.05	.01
	L				1.1			NEG.						
PODON SP.			8.3	1.4	.4 -	2.2	.000	.000	NEG.-	.00	.0001	.0000	.65	.02
	8				5.6			NEG.						
CALANUS SP.			50.5	8.4	1.1 -	9.7	.002	.000	NEG.-	.00	.0000	.0000	4.20	.25
	FC				21.1			.002						
PARACALANUS SP.			26.0	4.3	.6 -	3.2	.000	.000	NEG.-	.00	.0000	.0000	2.16	.03
	BC				8.4			NEG.						
PSEUDOCALANUS SP.			58.1	9.7	.7 -	10.9	.002	.000	NEG.-	.00	.0000	.0000	4.83	.24
	8A				26.8			.002						
SCOLECITHRICELLA MINOR			.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0001	C	.04	.01
	8				.5			NEG.						
METRIDIA SP.			.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0001	0	.04	.01
	F				.5			NEG.						
CENTROPAGES ABDOMINALIS			50.8	8.5	1.8 -	6.2	.002	.000	NEG.-	.00	.0000	.0000	4.23	.16
	FABC				16.8			.001						
EURYTEMORA AMERICANA			458.9	76.5	7.4 -	60.5	.024	.004	NEG.-	.00	.0000	.0000	38.16	2.50
	LAB				154.5			.009						
EPILABIDOCERA AMPHITRITES			.9	.1	.4 -	.2	.000	.000	NEG.-	.00	.0001	0	.07	.01
	F				.5			NEG.						
ACARTIA CLAUSI			97.6	16.3	1.4 -	13.9	.003	.000	NEG.-	.00	.0000	.0000	8.11	.27
	BALC				38.9			.001						
ACARTIA TONSA			27.3	4.5	2.2 -	2.5	.001	.000	NEG.-	.00	.0000	.0000	2.27	.08
	ABC				8.9			NEG.						
HARPACTICIDA			.6	.1	.6 -	.2	.000	.000	NEG.-	.00	.0001	0	.05	.01
	8				.6			NEG.						
HARPACTICUS SP.			.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0001	C	.04	.01
	8				.5			NEG.						
ZAUS SP.			1.8	.3	1.8 -	.7	.000	.000	NEG.-	.00	.0000	0	.15	.01
	8				1.8			NEG.						
TISBE SP.			1.1	.2	1.1 -	.4	.000	.000	NEG.-	.00	.0000	0	.05	.00
	8				1.1			NEG.						
HUNTEMANIA JADENSIS			6.5	1.1	1.1 -	1.5	.000	.000	NEG.-	.00	.0000	.0000	.54	.02
	8				3.6			NEG.						
CORYCAEUS ANGLICUS			5.4	.9	.6 -	1.0	.000	.000	NEG.-	.00	.0001	.0000	.45	.02
	8L				2.6			NEG.						
HALICYCLOPS SP.			.4	.1	.4 -	.1	.000	.000	NEG.-	.00	.0001	0	.03	.00
	L				.4			NEG.						
CYCLOPS VERNALIS			2.8	.5	.6 -	.6	.000	.000	NEG.-	.00	.0001	.0000	.22	.01
	8				1.4			NEG.						
DITHONA SP.			1.0	.2	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	.08	.01
	BC				.6			NEG.						
BALANOMORPHA			252.1	42.0	17.7 -	14.7	.006	.001	NEG.-	.00	.0000	.0000	20.96	.82
	2E				57.6			.002						
MYSIDACEA-MYSIDA			26.5	4.4	4.0 -	3.8	.022	.004	.004-	.00	.0005	.0003	2.20	2.27
	7				8.5			.008						
NEOMYSIS MERCEDIS			4.2	.7	.4 -	.7	.093	.016	.009-	.01	.0230	.0045	.35	9.68
	BC				1.4			.032						
NEOMYSIS RAYII			.4	.1	.4 -	.1	.003	.000	.003-	.00	.0000	C	.03	.00
	C				.4			.003						
LAMPROPIDAE			4.7	.8	1.1 -	1.5	.000	.000	NEG.-	.00	.0000	.0000	.35	.01
	C7				3.7			NEG.						
LAMPROPS SP.			2.4	.4	1.2 -	.6	.000	.000	NEG.-	.00	.0001	0	.20	.01
	AC				1.2			NEG.						

NERITIC PLANKTON ANALYSIS

BOMY28

SUMMARY TABLE, PAGE 2

ORGANISM NAME		NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVE. BIOMASS		PERCENTAGES	
PARTS CODE	LH-STAGE	TCTAL	MEAN	RANGE	S.D.	TCTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN- DANCE	BIC- PASS
LEUCON SP		5.8	1.0	.4 -	1.4	.C0C	.00C	NEG.-	.C0	.C0C3	.0006	.48	.C5
	87			3.0				NEG.					
CUMELLA SP.		59.0	9.8	.5 -	10.4	.CC4	.001	NEG.-	.CC	.CCC1	.0CCC	4.91	.40
	ABL7			26.7				.002					
BOPYRIDAE		.5	.1	.5 -	.2	.CCC	.00C	NEG.-	.00	.CCC1	0	.04	.C1
	C			.5				NFG.					
COROPHIUM SP.		7.8	1.3	1.4 -	1.1	.CC1	.CCC	NEG.-	.00	.CCC1	.0C01	.65	.C8
	7			2.4				NEG.					
ANISOGAMMARUS SP.		3.0	.5	3.0 -	1.2	.CC1	.00C	NEG.-	.C0	.CCC2	C	.25	.C6
	7			3.0				NEG.					
EDGAMMARUS CONFERVICOLLIS		6.1	1.3	.7 -	2.0	.001	.00C	NEG.-	.00	.0C01	.0000	.67	.10
	7			4.8				NEG.					
PANDALIDAE		.6	.1	.6 -	.2	.C01	.0CC	NEG.-	.CC	.CC1C	C	.C5	.C6
	4			.6				NEG.					
CRANGONIDAE		2.2	.4	.5 -	.4	.001	.00C	NEG.-	.00	.CCC4	.0005	.18	.C7
	3			1.1				NEG.					
CRANGON SP.		1.2	.2	1.2 -	.5	.C01	.00C	.001-	.00	.CC10	0	.10	.13
	7			1.2				.001					
CRANGON FRANCISCORUM		1.2	.2	.2 -	.3	.784	.131	.C76-	.21	.7453	.6648	.10	81.50
	7C			.7				.549					
PINNOTHERIDAE		.5	.1	.5 -	.2	.CC1	.00C	NEG.-	.00	.CC1C	0	.04	.05
	4			.5				NEG.					
SAGITTA SP.		1.6	.3	.4 -	.3	.CCC	.0C1	NEG.-	.C0	.CC17	.0028	.13	.32
	7C			.6				.003					
TELEOSTEI		1.7	.3	.5 -	.3	.CCC	.0CC	NEG.-	.00	.CCC1	C	.14	.C2
	+-EGG			.6				NEG.					
TELEOSTEI		1.2	.2	.4 -	.2	.001	.00C	NEG.-	.00	.0C04	.0005	.10	.C6
	6			.5				NEG.					
COTTUS SP.		.4	.1	.4 -	.1	.CCC	.00C	NEG.-	.00	.CCC1	C	.C3	.CC
	6			.4				NEG.					
GOBIIDAE		4.5	.7	1.1 -	.9	.CC2	.00C	NFG.-	.00	.0CC4	.0001	.37	.16
	6			2.2				NEG.					
UNIDENTIFIED EGG		1.2	.2	1.2 -	.5	.CCC	.00C	NEG.-	.C0	.CCC1	0	.10	.C1
	+-EGG			1.2				NEG.					

TOTAL NUMBER OF PLANKTON CATEGORIES 50

SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.14
BIOMASS 1.18
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 3.05

FRGM COLLECTIONS:	FILEID	STATION	SAMPLE
	80JN10	13006	0 1
	80JN10	13006	0 2
	80JN10	13005	0 1
	80JN10	13005	C 2
	80JN11	13007	0 1
	80JN11	13007	C 2
	80JN12	13001	0 1
	80JN12	13001	C 2
	80JN12	13004	0 1
	80JN12	13004	0 2

SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGORNOT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME	7.62	5.50-	1.56	.20
(M**3)		10.10		
TOTAL WET WEIGHT	.048	.012-	.064	1.320
(PER M**3)		.216		
TOTAL ABUNDANCE	518.31	55.77-	605.42	1.17
(PER M**3)		1821.09		
SAMPLE WET WEIGHT	.048	.012-	.064	1.317
(PER M**3)		.216		
SAMPLE DRY WEIGHT	0	0-	0	0
(PER M**3)		0		

ORGANISM NAME		NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
PARTS CODE	LH-STAGE	* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- DANCE	BIC- MASS
HYDRIDA		4.0	.4	1.1 -	.9	.000	.000	NEG.-	.00	.0001	.0000	.00	.07
	KW			2.9				NEG.					
CORDYLCPHORA SP.		15.7	1.6	1.0 -	3.2	.001	.000	NEG.-	.00	.0001	.0000	.30	.24
	D			9.0				NEG.					
NEMATODA		1.7	.2	.5 -	.3	.000	.000	NEG.-	.00	.0001	0	.03	.03
	B			.6				NEG.					
SYLLIDAE		.5	.1	.5 -	.2	.001	.000	NEG.-	.00	.0010	0	.01	.11
	C			.5				NEG.					
AUTOLYTUS SP.		1.6	.2	1.6 -	.5	.000	.000	NEG.-	.00	.0001	0	.03	.03
	C			1.6				NEG.					
SPIONIDAE		3.4	.3	.5 -	.9	.000	.000	NEG.-	.00	.0001	0	.07	.07
	6			2.9				NEG.					
DLIGOCHAETA		.6	.1	.6 -	.2	.000	.000	NEG.-	.00	.0001	0	.01	.01
	B			.6				NEG.					
MESOGASTROPODA		2.9	.3	2.9 -	.9	.000	.000	NEG.-	.00	.0001	0	.06	.06
	+EGG			2.9				NEG.					
MESOGASTROPODA		.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0001	0	.01	.01
	7			.5				NEG.					
MYTILIDAE		3.4	.3	.5 -	.9	.000	.000	NEG.-	.00	.0006	.0006	.07	.61
	7			2.9				.003					
VENEROIDA		12.5	1.3	1.6 -	2.0	.001	.000	NEG.-	.00	.0001	.0000	.26	.19
	7			5.8				NEG.					
HALACARIDAE		1.1	.1	1.1 -	.3	.000	.000	NEG.-	.00	.0001	0	.02	.01
	8			1.1				NEG.					
EVADNE SP.		2.9	.3	2.9 -	.9	.000	.000	NEG.-	.00	.0001	0	.06	.06
	L			2.9				NEG.					
PODDN SP.		33.8	3.4	5.3 -	5.0	.001	.000	NEG.-	.00	.0000	.0000	.65	.14
	8L			14.5				NEG.					
PODDCOPA		.6	.1	.6 -	.2	.000	.000	NEG.-	.00	.0001	0	.01	.01
	C			.6				NEG.					
COPEPODA		14.5	1.5	14.5 -	4.6	.000	.000	NEG.-	.00	.0000	0	.28	.06
	2			14.5				NEG.					
CALANUS SP.		251.3	25.1	1.0 -	47.6	.012	.001	NEG.-	.00	.0000	.0000	4.85	2.49
	F			125.1				.006					
PARACALANUS SP.		24.6	2.5	1.0 -	4.6	.001	.000	NEG.-	.00	.0001	.0000	.47	.18
	B			14.5				NEG.					
PSEUDOCALANUS SP.		66.6	6.7	1.0 -	13.1	.004	.000	NEG.-	.00	.0000	.0000	1.28	.73
	F			40.7				.003					
CENTROPAGES ABDOMINALIS		1259.3	125.9	2.1 -	220.3	.079	.008	NEG.-	.01	.0001	.0000	24.30	16.42
	AF			610.9				.038					
EURYTEMORA AMERICANA		557.0	55.7	1.1 -	63.5	.026	.003	NEG.-	.00	.0000	.0000	10.75	5.38
	8L			169.5				.008					
EPILABIDOCERA AMPHITRITES		11.6	1.2	.5 -	1.7	.004	.000	NEG.-	.00	.0002	.0002	.22	.80
	F8			4.8				.003					
ACARTIA CLAUSI		264.5	26.4	5.1 -	35.8	.007	.001	NEG.-	.00	.0000	.0000	5.10	1.50
	AC			110.5				.003					
ACARTIA LONGIREMIS		47.8	4.8	2.1 -	8.6	.001	.000	NEG.-	.00	.0000	.0000	.92	.14
	AB			26.2				NEG.					
ACARTIA TONSA		176.0	17.8	3.6 -	17.8	.011	.001	NEG.-	.00	.0001	.0000	3.43	2.32
	A			49.5				.003					
HARPACTICOIDA		.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0001	0	.01	.01
	C			.5				NEG.					
HARPACTICUS SP.		.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0001	0	.01	.01
	B			.5				NEG.					
HUNTEMANIA JADENSIS		3.1	.3	3.1 -	1.0	.000	.000	NEG.-	.00	.0000	0	.06	.01
	8L			3.1				NEG.					
BRYOCAMPTUS SP.		1.0	.1	1.0 -	.3	.000	.000	NEG.-	.00	.0001	0	.02	.01
	C			1.0				NEG.					
CORDYCAEUS ANGLICUS		2.1	.2	.5 -	.5	.000	.000	NEG.-	.00	.0001	0	.04	.04
	L			1.6				NEG.					
HALICYCLOPS SP.		2.9	.3	2.9 -	.9	.000	.000	NEG.-	.00	.0001	0	.06	.06
	B			2.9				NEG.					

NERITIC PLANKTON ANALYSIS

80JN11

SUMMARY TABLE, PAGE 2

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.L.	ABUN- DANCE	BIC- MASS
CYCLOPS VERNALIS			.6	.1	.6 -	.2	.000	.000	NEG.-	.00	.0000	0	.01	.01
	8				.6			NEG.						
CYCLOPS BICUSPIDATUS			.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0000	0	.01	.01
	8				.5			NEG.						
EUCYCLOPS AGILIS			1.1	.1	1.1 -	.4	.000	.000	NEG.-	.00	.0000	0	.02	.01
	8				1.1			NEG.						
CALIGOIDA			.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0000	0	.01	.01
	C				.5			NEG.						
BALANOMORPHA			2008.0	200.6	.6 -	244.6	.048	.005	NEG.-	.01	.0000	.0000	38.74	10.04
	2E				645.8			NEG.						
MYSIDACEA-MYSIDA			3.2	.3	1.6 -	.7	.000	.000	NEG.-	.00	.0000	0	.06	.07
	7				1.6			NEG.						
NEMYSIS MERCEDIS			71.4	7.1	6.2 -	12.0	.067	.007	.010 -	.01	.0020	.0026	1.28	13.86
	7A				31.0			.035						
LAMPROPIDAE			5.8	.6	2.9 -	1.2	.001	.000	NEG.-	.00	.0000	0	.11	.12
	C7				2.9			NEG.						
LEUCON SP			40.2	4.0	2.9 -	3.9	.002	.000	NEG.-	.00	.0000	.0000	.78	.48
	7				9.2			NEG.						
CUMELLA SP.			81.9	8.2	8.7 -	7.7	.004	.000	NEG.-	.00	.0000	.0000	1.58	.91
	CA				19.0			.002						
BOPYRIDAE			13.2	1.3	1.6 -	2.8	.001	.000	NEG.-	.00	.0000	.0000	.25	.13
	C7				8.7			NEG.						
GAMMARIDEA			.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0000	0	.01	.01
	7				.5			NEG.						
COROPHIUM SP.			50.6	5.1	8.2 -	7.0	.005	.001	.001 -	.00	.0000	.0000	.98	1.13
	7				18.0			.002						
ANISOGAMMARUS SP.			3.6	.4	1.5 -	.8	.001	.000	NEG.-	.00	.0000	.0003	.07	.22
	7				2.1			.001						
MEGALUROPIUS SP.			.6	.1	.6 -	.2	.000	.000	NEG.-	.00	.0000	0	.01	.01
	7				.6			NEG.						
CRANGONIDAE			93.1	9.3	.8 -	15.0	.190	.019	NEG.-	.05	.0378	.0922	1.80	39.36
	37				42.1			.174						
CRANGON SP.			3.6	.4	1.5 -	.7	.004	.000	NEG.-	.00	.0000	.0002	.07	.66
	7				1.6			.002						
PAGURIDAE			.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0000	0	.01	.01
	3				.5			NEG.						
PINNOTHERIDAE			6.3	.6	2.6 -	1.4	.000	.000	NEG.-	.00	.0000	.0000	.12	.02
	3				3.7			NEG.						
DIPTERA-CHIRONOMIDAE			.6	.1	.6 -	.2	.000	.000	NEG.-	.00	.0000	0	.01	.01
	6				.6			NEG.						
DIPTERA-BRACHYCERA			.5	.1	.5 -	.2	.001	.000	NEG.-	.00	.0000	0	.01	.11
	6				.5			NEG.						
CHAETOGNATHA			.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0000	0	.01	.01
	7				.5			NEG.						
SAGITTA SP.			.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0000	0	.01	.01
	7				.5			NEG.						
DIKOPLEURA SP.			9.8	1.0	.5 -	1.9	.001	.000	NEG.-	.00	.0000	.0000	.19	.14
	C				5.8			NEG.						
TELEOSTEI			7.4	.7	3.7 -	1.6	.002	.000	.001 -	.00	.0000	0	.14	.44
	+--EGG				3.7			.001						
USMERIDAE			.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0000	0	.01	.01
	6				.5			NEG.						
GOBIIDAE			3.7	.4	.5 -	.7	.000	.000	NEG.-	.00	.0000	0	.07	.06
	6				1.6			NEG.						
UNIDENTIFIED EGG			2.9	.3	2.9 -	.9	.000	.000	NEG.-	.00	.0000	0	.06	.06
	+--EGG				2.9			NEG.						

TOTAL NUMBER OF PLANKTON CATEGORIES 59

SHANNON-WEINER DIVERSITY INDEX	NUMBERS	2.89
	BIOMASS	2.94
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS		2.86

SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGORNDT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

 * GRAND SUMMARY

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	6.77	4.70-7.80	1.60	.24
TOTAL WET WEIGHT (PER M**3)	.013	.007-.025	.006	.479
TOTAL ABUNDANCE (PER M**3)	305.45	150.26-578.72	167.12	.55
SAMPLE WET WEIGHT (PER M**3)	.013	.006-.024	.006	.473
SAMPLE DRY WEIGHT (PER M**3)	0	0-C	0	0

FROM COLLECTIONS:	FILEID	STATION	SAMPLE
	80JN25	13004	0 1
	80JN25	13004	0 2
	80JN25	13005	C 1
	80JN25	13005	C 2
	80JN26	13006	C 1
	80JN26	13006	0 2

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVE. BIOMASS		PERCENTAGES	
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN-DANCE	BIC-MASS
HYDRDIDA			1.5	.3	1.5 -	.6	.000	.000	NEG.-	.00	.0000	C	.00	.07
NEMATODA	K		20.4	3.4	1.5 - 20.4	8.3	.000	.000	NEG.-	.00	.0000	C	1.11	.43
SPIONIDAE			3.9	.7	.5 - 3.4	1.4	.000	.000	NEG.-	.00	.0001	C	.21	.50
MESOGASTROPODA	6		3.9	.7	.5 - 3.4	1.4	.000	.000	NEG.-	.00	.0001	C	.21	.50
OPISTHOBRANCHIA	7		.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0001	C	.02	.07
BIVALVIA	7		6.8	1.1	6.8 -	2.6	.000	.000	NEG.-	.00	.0001	C	.37	.43
VENEROIDA	7		3.4	.6	3.4 -	1.4	.000	.001	.003-	.00	.0010	C	.19	4.22
MACOMA SP.	7		27.2	4.5	27.2 -	11.1	.000	.000	NEG.-	.00	.0000	C	1.49	.43
EVADNE SP.	7		1.5	.3	.5 -	.4	.000	.000	NEG.-	.00	.0001	.0000	.00	.13
PODDN SP.	L		6.7	1.1	1.0 - 4.1	1.8	.000	.000	NEG.-	.00	.0000	.0000	.36	.13
CALANUS SP.	L		4.4	.7	.5 - 3.4	1.3	.000	.000	NEG.-	.00	.0001	C	.24	.56
PSEUDOCALANUS SP.	F		13.0	2.2	.5 - 6.8	2.5	.001	.000	NEG.-	.00	.0000	.0000	.71	.65
CENTROPAGES ABDOMINALIS	AF		117.1	19.5	11.3 - 27.7	6.7	.000	.001	NEG.-	.00	.0001	.0000	6.35	9.97
EURYTEMORA AMERICANA	A		141.7	23.6	10.2 - 36.4	10.4	.004	.001	NEG.-	.00	.0000	.0000	7.72	5.42
EPILABIDOCERA AMPHITRITES	BL		.5	.1	.5 -	.7	.000	.000	NEG.-	.00	.0001	0	.03	.07
ACARTIA CLAUSI	F		89.5	14.9	1.5 - 37.4	13.6	.001	.000	NEG.-	.00	.0000	.0000	4.00	1.71
ACARTIA LONGIREMIS	AB		3.6	.6	.5 - 2.6	1.0	.000	.000	NEG.-	.00	.0001	.0000	.20	.20
ACARTIA TONSA	BA		19.3	3.2	1.0 - 5.6	2.3	.001	.000	NEG.-	.00	.0000	.0000	1.05	.65
HARPACTICOIDA	AC		7.3	1.2	.5 - 6.8	2.7	.000	.000	NEG.-	.00	.0001	.0000	.40	.50
ZAUS SP.	B		3.4	.6	3.4 -	1.4	.000	.000	NEG.-	.00	.0001	C	.19	.43
HUNTEMANIA JADENSIS	B		1.5	.3	.5 - 1.0	.4	.000	.000	NEG.-	.00	.0001	.0000	.00	.13
BRYDCAMPTUS SP.	B		10.2	1.7	10.2 -	4.2	.000	.000	NEG.-	.00	.0000	0	.56	.43
CORYCAEUS ANGLICUS	B		.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0001	C	.03	.07
BALANOCORPHA	B		1085.1	180.8	.5 - 330.2	145.2	.027	.004	.002-	.00	.0000	.0000	59.21	34.05
MYSIDACEA-MYSIDA	2		5.1	.9	1.0 - 2.6	1.1	.002	.000	NEG.-	.00	.0004	.0005	.20	2.67
NEOMYSIS MERCEDIS	7		.5	.1	.5 -	.2	.001	.000	.001-	.00	.0020	C	.03	1.20
LAMPROPIDAE	7		17.0	2.8	.5 - 17.0	6.0	.007	.001	.007-	.00	.0004	0	.93	8.65
LEUCON SP.	A		82.6	13.8	.5 - 47.7	19.5	.007	.001	NEG.-	.00	.0001	.0000	4.51	8.51
CUMELLA SP.	7		106.3	17.7	.5 - 57.9	23.3	.005	.001	NEG.-	.00	.0001	.0000	5.80	6.12
BOPYRIDAE	A7		.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0001	C	.03	.07
COROPHIUM SP.	7		6.8	1.1	6.8 -	2.8	.000	.000	NEG.-	.00	.0001	C	.27	.43
ANISOGAMMARUS SP.	7		2.1	.3	.5 - 1.0	.4	.000	.000	NEG.-	.00	.0001	.0000	.11	.20
CRANGONIDAE	7		14.1	2.4	.5 - 10.2	4.1	.001	.000	NEG.-	.00	.0001	.0000	.77	.93
SAGITTA SP.	3		.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0001	0	.03	.07
TELEOSTEI	7		.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0001	0	.03	.07
TELEOSTEI	+EGG		10.2	1.7	.5 - 6.8	2.8	.001	.000	NEG.-	.00	.0001	.0000	.56	.80
ENGRAULIS MORDAX	6		1.0	.2	1.0 -	.4	.001	.000	NEG.-	.00	.0005	C	.06	.06
GOBIIDAE	+EGG		12.3	2.1	3.1 - 5.1	2.3	.000	.001	.002-	.00	.0005	.0002	.67	7.1

TOTAL NUMBER OF PLANKTON CATEGORIES 38

SHANNON-WIENER DIVERSITY INDEX NUMBERS

2.49

NERITIC PLANKTON ANALYSIS

* GRAND SUMMARY *

FROM COLLECTIONS:	FILEID	STATION	SAMPLE
	8CJYC7	13007	D 1
	80JY07	13007	D 2
	80JY08	13006	C 1
	80JY08	13006	D 2
	80JY08	13005	D 1
	80JY08	13005	C 2
	80JY08	13004	D 1
	80JY08	13004	D 2
	80JY08	13001	D 1
	80JY08	13001	C 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	CDEF.VAR
SAMPLE VOLUME (M**3)	8.90	5.4C-11.50	2.26	.25
TOTAL WET WEIGHT (PER M**3)	.006	.000-.C15	.006	1.019
TOTAL ABUNDANCE (PER M**3)	116.50	2.76-310.97	125.52	1.06
SAMPLE WET WEIGHT (PER M**3)	.007	.000-.017	.007	1.013
SAMPLE DRY WEIGHT (PER M**3)	0	C-	0	C

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BICPASS		PERCENTAGES	
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN-DANCE	BIC-MASS
HYDROIDA			1.0	.1	.1 - .4	.2	.000	.000	NEG.-	.00	.0001	.0000	.08	.13
CORDYLDPHORA SP.	K		.8	.1	.8 - .8	.2	.000	.000	NEG.-	.00	.0000	C	.06	.02
NEMATODA	D		.2	.0	.2 - .2	.1	.000	.000	NEG.-	.00	.0001	0	.02	.03
SPIONIDAE	C		1.5	.1	.4 - .2	.4	.000	.000	NEG.-	.00	.0000	.0000	.13	.09
MACOMA SP.	6		2.2	.2	.9 - 1.1	.5	.000	.000	NEG.-	.00	.0000	.0000	.16	.14
EVADNE SP.	7		.1	.0	.1 - .1	.0	.000	.000	NEG.-	.00	.0001	0	.01	.02
PODON SP.	L		38.9	3.9	.2 - 12.5	4.4	.001	.000	NEG.-	.00	.0000	.0000	3.28	1.40
EURYCERCUS LAMELLATUS	B		.1	.0	.1 - .1	.0	.000	.000	NEG.-	.00	.0001	C	.01	.02
CALANUS SP.	B		.5	.0	.1 - .2	.1	.000	.000	NEG.-	.00	.0001	.0000	.04	.08
PSEUDOCALANUS SP.	F		1.6	.2	.1 - .7	.2	.000	.000	NEG.-	.00	.0001	.0000	.13	.14
CENTROPAGES ABDOMINALIS	B		16.6	1.7	.2 - 7.4	2.9	.001	.000	NEG.-	.00	.0001	.0000	1.40	1.66
DIAPTOMUS SP.	ABFC		.1	.0	.1 - .1	.0	.000	.000	NEG.-	.00	.0001	C	.01	.02
EURYTEMORA AMERICANA	C		49.1	4.9	.4 - 11.9	5.0	.002	.000	NEG.-	.00	.0000	.0000	4.15	2.70
EPILABIDOCERA AMPHITRITES	BLA		.4	.0	.4 - .4	.1	.000	.000	NEG.-	.00	.0001	0	.04	.07
ACARTIA CLAUSI	F		2.9	.3	.1 - 1.3	.5	.000	.000	NEG.-	.00	.0001	.0000	.25	.15
ACARTIA LONGIREMIS	CB		1.8	.2	.8 - 1.0	.4	.000	.000	NEG.-	.00	.0000	.0000	.15	.04
ACARTIA TONSA	AB		9.0	.9	.3 - 3.7	1.2	.000	.000	NEG.-	.00	.0000	.0000	.76	.54
HARPACTICIDIDA	BCA		.1	.0	.1 - .1	.0	.000	.000	NEG.-	.00	.0001	0	.01	.02
SCOTTOLANA CANADENSIS	C		.1	.0	.1 - .1	.0	.000	.000	NEG.-	.00	.0001	0	.01	.02
HARPACTICUS SP.	B		.1	.0	.1 - .1	.0	.000	.000	NEG.-	.00	.0001	C	.01	.02
ZALUS SP.	L		1.3	.1	.4 - .9	.3	.000	.000	NEG.-	.00	.0001	.0000	.11	.14
HUNTEMANIA JADENSIS	B		.1	.0	.1 - .1	.0	.000	.000	NEG.-	.00	.0001	0	.01	.02
MACROCYCLOPS SP.	B		.1	.0	.1 - .1	.0	.000	.000	NEG.-	.00	.0001	C	.01	.02

NERITIC PLANKTON ANALYSIS

80JY08

SUMMARY TABLE, PAGE 2

ORGANISM NAME		NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
PARTS CODE	LH-STAGE	TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	BIC-MASS
BALANODORPHA		973.7	97.4	.7 - 259.8	110.5	.031	.003	NEG.-.009	.00	.0000	.0000	82.16	50.79
MYSIDACEA-MYSIDA	2E	3.8	.4	.7 - 1.2	.5	.001	.000	NEG.-	.00	.0002	.0001	.32	1.18
ACANTHOMYSIS MACROPSIS	7	.5	.1	.2 - .4	.1	.002	.000	NEG.-.003	.00	.0042	.0053	.05	5.01
ACANTHOMYSIS SCULPTA	L7	.4	.0	.4 - .4	.1	.001	.000	NEG.-	.00	.0020	0	.02	1.22
NECMYSIS MERCEDIS	7	1.4	.1	1.4 - 1.4	.5	.000	.000	NEG.-	.00	.0001	0	.12	.31
NEOMYSIS INTEGER	7	.7	.1	.3 - .4	.2	.005	.001	NEG.-.005	.00	.0002	.0000	.06	8.35
LAMPROPIDAE	8C	5.2	.5	.2 - 3.4	1.1	.000	.000	NEG.-	.00	.0001	.0000	.44	.23
LEUCON SP	7C	13.9	1.4	.1 - 6.5	2.1	.001	.000	NEG.-	.00	.0001	.0000	1.17	1.06
CUMELLA SP.	7AL	7.1	.7	.1 - 3.9	1.2	.000	.000	NEG.-	.00	.0001	.0001	.60	.48
PANCOLUS CALIFORNIENSIS	7AB	.7	.1	.7 - .7	.2	.000	.000	NEG.-	.00	.0001	0	.06	.06
GNORIMOSPHAEROMA OREGONENSIS	8	.2	.0	.2 - .2	.1	.000	.000	NEG.-	.00	.0001	0	.02	.02
COROPHIUM SP.	7	2.1	.2	.1 - .9	.3	.000	.000	NEG.-	.00	.0001	.0000	.18	.40
ANISOGAMMARUS SP.	7	1.9	.2	.2 - 1.5	.5	.000	.000	NEG.-	.00	.0001	.0000	.16	.11
CRANGONIDAE	3	14.4	1.4	.4 - 4.7	1.9	.002	.000	NEG.-	.00	.0002	.0001	1.21	4.10
PUGETTIA SP.	3	.1	.0	.1 - .1	.0	.000	.000	NEG.-	.00	.0001	0	.01	.02
PINNOTHERIDAE	3	.5	.1	.3 - .3	.1	.000	.000	NEG.-	.00	.0001	0	.04	.04
TELEOSTEI	3	3.8	.4	1.7 - 2.2	.8	.002	.000	NEG.-.001	.00	.0005	.0005	.32	3.14
ENGRAULIS MORDAX	6	16.2	1.6	.1 - 4.3	2.1	.005	.000	NEG.-.001	.00	.0002	.0001	1.26	7.81
ENGRAULIS MORDAX	+EGG	.1	.0	.1 - .1	.0	.001	.000	NEG.-.001	.00	.0000	0	.01	.86
GOBIIDAE	6	9.7	1.0	.3 - 3.3	1.2	.004	.000	NEG.-.001	.00	.0012	.0020	.82	7.29

TOTAL NUMBER OF PLANKTON CATEGORIES 43

SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.35
BIOMASS 2.83
BRILLOLIN-S DIVERSITY INDEX BASED ON NUMBERS 1.30

FROM COLLECTIONS:	FILEID	STATION	SAMPLE
	8CJY22	13004	0 1
	80JY22	13004	0 2
	80JY21	13005	C 1
	80JY21	13005	0 2
	80JY22	13006	0 1
	80JY22	13006	C 2

SPECIES DEFINITION -
 TRUNCATED = NO
 LH-STAGE = EGGORNOT
 PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME	11.53	3.90-	5.96	.52
(M**3)		16.20		
TOTAL WET WEIGHT	.097	.000-	.156	1.615
(PER M**3)		.366		
TOTAL ABUNDANCE	42.69	4.36-	32.29	.76
(PER M**3)		85.06		
SAMPLE WET WEIGHT	.097	.000-	.156	1.614
(PER M**3)		.367		
SAMPLE DRY WEIGHT	0	0-	0	0
(PER M**3)		0		

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
			* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- DANCE	BIC- MASS
HYDROIDA			.3	.1	.1 -	.1	.000	.000	NEG.-	.00	.0001	0	.12	.01
	K				.2			NEG.						
SPIONIDAE			.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0001	0	.05	.00
	6				.1			NEG.						
MESOGASTROPODA			.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0001	0	.03	.00
	7				.1			NEG.						
EVADNE SP.			.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0001	0	.03	.00
	L				.1			NEG.						
PODON SP.			19.8	3.3	1.5 -	2.7	.001	.000	NEG.-	.00	.0000	.0000	7.74	.09
	LB				6.7			NEG.						
COPEPODA			.3	.0	.3 -	.1	.000	.000	NEG.-	.00	.0001	0	.10	.00
	2				.3			NEG.						
CALANUS SP.			.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0001	0	.03	.00
	F				.1			NEG.						
PSEUDOCALANUS SP.			.6	.1	.1 -	.1	.000	.000	NEG.-	.00	.0001	.0000	.23	.01
	8F				.2			NEG.						
CENTROPAGES ABDOMINALIS			4.3	.7	.3 -	.8	.000	.000	NEG.-	.00	.0001	.0000	1.68	.03
	CAF				2.0			NEG.						
DIAPTOMUS SP.			.2	.0	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.10	.00
	C				.2			NEG.						
EURYTEMORA AMERICANA			6.7	1.1	.8 -	1.4	.000	.000	NEG.-	.00	.0000	.0000	2.61	.01
	BL				3.7			NEG.						
EPILABIDOCERA AMPHITRITES			1.8	.3	.2 -	.3	.001	.000	NEG.-	.00	.0004	.0004	.70	.09
	FB				.8			NEG.						
ACARTIA CLAUSI			1.1	.2	.1 -	.4	.000	.000	NEG.-	.00	.0000	.0000	.44	.01
	8C				1.0			NEG.						
ACARTIA TONSA			17.0	2.8	1.7 -	3.1	.001	.000	NEG.-	.00	.0000	.0000	6.64	.10
	8A				7.7			NEG.						
HARPACTICOIDA			.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0001	0	.03	.00
	L				.1			NEG.						
THALESTRIDAE			.3	.0	.3 -	.1	.000	.000	NEG.-	.00	.0001	0	.10	.00
	L				.3			NEG.						
BALANIDORPHA			179.9	30.0	.5 -	25.8	.004	.001	NEG.-	.00	.0000	.0000	70.24	.72
	2				64.0			.001						
MYSIDACEA-MYSIDA			1.9	.3	.3 -	.3	.000	.000	NEG.-	.00	.0002	.0001	.75	.07
	7				.7			NEG.						
ACANTHOMYSIS MACROPSIS			.2	.0	.2 -	.1	.002	.000	.002-	.00	.0050	0	.10	.00
	8				.2			.002						
NEOMYSIS INTEGER			.9	.1	.4 -	.2	.021	.003	.000-	.01	.0252	.0124	.34	3.58
	LCB				.5			.013						
LAMPROPIDAE			.3	.0	.1 -	.1	.000	.000	NEG.-	.00	.0001	0	.11	.00
	7				.1			NEG.						
CUMELLA SP.			1.0	.2	.2 -	.3	.000	.000	NEG.-	.00	.0001	.0000	.39	.01
	8				.7			NEG.						
BOPYRIDAE			1.3	.2	.1 -	.4	.000	.000	NEG.-	.00	.0001	.0000	.51	.01
	7C				1.0			NEG.						
COROPHIUM SP.			1.7	.3	.2 -	.5	.000	.000	NEG.-	.00	.0001	.0001	.68	.05
	7				1.2			NEG.						
ANISOGAMMARUS SP.			.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0001	0	.03	.00
	7				.1			NEG.						
CRANGONIDAE			5.4	.9	.2 -	.4	.001	.000	NEG.-	.00	.0002	.0001	2.12	.16
	3				1.3			NEG.						
CRANGON FRANCISCORUM			.7	.1	.4 -	.2	.544	.091	.191-	.15	.7340	.3083	.29	93.82
	8LC				.4			.353						
PINNOTHERIDAE			1.0	.2	.1 -	.2	.000	.000	NEG.-	.00	.0001	.0000	.38	.01
	3				.5			NEG.						
TELEOSTEI			1.3	.2	.5 -	.3	.000	.000	NEG.-	.00	.0000	.0000	.49	.01
	+EGG				.8			NEG.						
ENGRAULIS MORDAX			3.4	.6	.2 -	.9	.000	.000	NEG.-	.00	.0001	.0001	1.34	.06
	+EGG				2.5			NEG.						
GOBIIDAE			4.1	.7	.3 -	.8	.004	.001	NEG.-	.00	.0010	.0013	1.61	.74
	6				2.0			.003						

TOTAL NUMBER OF PLANKTON CATEGORIES 31

SHANNON-WEINER DIVERSITY INDEX NUMBERS 1.92
 BICPASS .47
 RPII DIVERSITY INDEX BASED ON NUMBERS 1.70

NERITIC PLANKTON ANALYSIS

* GRAND SUMMARY *

FROM COLLECTIONS*	FILEID	STATION	SAMPLE
	80AU06	13001	C 1
	80AU06	13001	O 2
	80AU06	13004	O 1
	80AU06	13004	O 2
	80AU06	13005	O 1
	80AU06	13005	C 2
	80AU06	13006	C 1
	80AU06	13006	O 2
	80AU06	13007	O 1
	80AU06	13007	C 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	7.76	5.10-	3.11	.40
TOTAL WET WEIGHT (PER M**3)	.069	.003-	.141	2.04C
TOTAL ABUNDANCE (PER M**3)	107.13	21.30-	104.73	.98
SAMPLE WET WEIGHT (PER M**3)	.069	.003-	.141	2.048
SAMPLE DRY WEIGHT (PER M**3)	0	C-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3			S.D.	WET WEIGHT, GRAMS/M**3			AVG. BIOMASS		PERCENTAGES		
			* TOTAL	MEAN	RANGE		* TCTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN- * CANCE	BIC- MASS
HYDROIDA			3.6	.4	.5 -	.5	.016	.002	NEG.-	.00	.0038	.0041	.34	2.30
CORDYLOPHORA SP.	KW		1.2	.1	.1 -	.2	.000	.000	NEG.-	.00	.0001	.0000	.11	.01
SPIONIDAE	D		.9	.1	.4 -	.2	.000	.000	NEG.-	.00	.0001	0	.09	.01
OLIGOCHAETA	6		.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0001	0	.01	.00
GASTROPODA	8		.2	.0	.1 -	.1	.000	.000	NEG.-	.00	.0001	0	.02	.00
MESOGASTROPODA	+EGG		.4	.0	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.04	.00
MESOGASTROPODA	+EGG		4.5	.5	.4 -	.8	.000	.000	NEG.-	.00	.0000	.0000	.42	.02
OPISTHOBRANCHIA	7		.6	.1	.2 -	.2	.000	.000	NEG.-	.00	.0001	0	.06	.00
BIVALVIA	C7		99.0	9.9	.6 -	18.2	.005	.001	NEG.-	.00	.0001	.0000	9.24	.74
MYTILIDAE	7		.9	.1	.4 -	.2	.000	.000	NEG.-	.00	.0003	.0003	.08	.04
EVADNE SP.	7		2.5	.3	.5 -	.5	.000	.000	NEG.-	.00	.0001	.0001	.24	.02
PODON SP.	L		9.1	.9	.2 -	1.2	.000	.000	NEG.-	.00	.0000	.0000	.85	.03
COPEPODA	L		1.3	.1	.3 -	.2	.000	.000	NEG.-	.00	.0001	.0000	.12	.02
CALANIDA	2		.4	.0	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.04	.00
PSEUDOCALANUS SP.	F		7.9	.8	.4 -	.5	.000	.000	NEG.-	.00	.0001	.0000	.73	.05
CENTROPAGES ABDOMINALIS	8FA		3.5	.3	.1 -	.4	.000	.000	NEG.-	.00	.0001	.0000	.32	.03
EURYTEMORA AMERICANA	F8		140.8	14.1	1.2 -	11.7	.004	.000	NEG.-	.00	.0000	.0000	13.14	.56
EPILABIDOCERA AMPHITRITES	8L		.5	.0	.6 -	.1	.000	.000	NEG.-	.00	.0001	0	.04	.01
ACARTIA CLAUSI	F		2.9	.3	.1 -	.3	.000	.000	NEG.-	.00	.0001	.0000	.27	.03
ACARTIA LONGIREMIS	C8		1.6	.2	.8 -	.3	.000	.000	NEG.-	.00	.0001	.0000	.15	.02
ACARTIA TONSA	8		47.2	4.7	.8 -	5.0	.001	.000	NEG.-	.00	.0000	.0000	4.40	.21
HARPACTICOIDA	8AC		.1	.0	16.5 -	.0	.000	.000	NEG.-	.00	.0001	0	.01	.00
ZAUS SP.	8		.5	.0	.1 -	.1	.000	.000	NEG.-	.00	.0001	0	.04	.01
CLETODIDAE	8		.3	.0	.5 -	.1	.000	.000	NEG.-	.00	.0001	0	.03	.00
THALESTRIDAE	F		3.6	.4	.3 -	.7	.000	.000	NEG.-	.00	.0001	.0000	.33	.02
CALIGOIDA	LB		.7	.1	2.3 -	.2	.000	.000	NEG.-	.00	.0005	.0007	.07	.02

NERITIC PLANKTON ANALYSIS

80AU06

SUMMARY TABLE, PAGE 2

ORGANISM NAME		NUMBERS/M**3				WET WEIGHT, GRAMS/P**3				AVE. BIOMASS		PERCENTAGES	
PARTS CODE	LH-STAGE	TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN- DANCE	BIC- MASS
BALANOMORPHA		555.1	55.5	2.2 -	74.7	.011	.001	NEG.-	.00	.0000	.0000	51.81	1.61
	2E7			211.5				.005					
MYSIDACEA-MYSIDA	7	28.6	2.9	.5 -	3.6	.008	.001	NEG.-	.00	.0002	.0002	2.67	1.13
				10.9				.003					
NEMYSIS MERCEDIS	7	.7	.1	.1 -	.1	.018	.002	.001-	.00	.0212	.0207	.07	2.55
				.3				.014					
NEMYSIS INTEGER	87	.3	.0	.3 -	.1	.013	.001	.013-	.00	.0420	0	.03	1.66
				.3				.013					
LAMPROPS SP.	L	14.6	1.5	.6 -	3.0	.002	.000	NEG.-	.00	.0002	.0002	1.27	.27
				9.2				NEG.					
LEUCON SP	8CA	14.1	1.4	.3 -	2.0	.000	.000	NEG.-	.00	.0001	.0000	1.21	.06
				6.2				NEG.					
CUMELLA SP.	7C	22.9	2.3	.1 -	2.1	.000	.000	NEG.-	.00	.0000	.0000	2.13	.05
				6.2				NEG.					
BOPYRIDAE	8	1.7	.2	.2 -	.5	.000	.000	NEG.-	.00	.0001	.0000	.16	.01
				1.5				NEG.					
GAMMARIDEA	C7	1.2	.1	.2 -	.2	.000	.000	NEG.-	.00	.0001	.0000	.11	.02
				.8				NEG.					
COROPHIUM SP.	7	15.1	1.5	.4 -	2.8	.001	.000	NEG.-	.00	.0000	.0000	1.41	.09
				7.7				NEG.					
COROPHIUM SALMONIS	7	.3	.0	.3 -	.1	.000	.000	NEG.-	.00	.0010	0	.03	.04
				.3				NEG.					
EOGAMMARUS SP.	C	.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0001	0	.01	.00
				.1				NEG.					
CAPRELLA ALASKANA	7	.1	.0	.1 -	.0	.000	.000	NEG.-	.00	.0010	0	.01	.02
				.1				NEG.					
CRANGONIDAE	C	55.6	5.6	.5 -	9.0	.007	.001	NEG.-	.00	.0001	.0001	5.19	1.08
				24.3				.003					
CRANGON FRANCISCORUM	3	1.1	.1	.1 -	.2	.005	.000	.028-	.14	.4459	.1799	.10	44.65
				.8				.437					
PAGURIDAE	AC7	.2	.0	.2 -	.1	.000	.000	NEG.-	.00	.0010	0	.02	.03
				.2				NEG.					
PINNOTHERIDAE	4	1.1	.1	.3 -	.3	.000	.000	NEG.-	.00	.0001	0	.10	.02
				.8				NEG.					
HEMIGRAPSUS SP.	3	3.3	.3	.4 -	.5	.000	.000	NEG.-	.00	.0001	.0000	.31	.03
				1.5				NEG.					
NEMATOCERA	3	.3	.0	.3 -	.1	.000	.000	NEG.-	.00	.0001	0	.03	.00
				.3				NEG.					
TELEOSTEI	6	2.2	.2	.4 -	.6	.000	.000	NEG.-	.00	.0000	.0000	.20	.01
				.8				NEG.					
TELEOSTEI	+-EGG	.3	.0	.1 -	.1	.000	.000	NEG.-	.00	.0006	.0006	.03	.02
				.1				NEG.					
ENGRAULIS MORDAX	6	1.7	.2	.3 -	.3	.000	.000	NEG.-	.00	.0001	.0000	.16	.02
				.8				NEG.					
GUBIIDAE	+-EGG	16.6	1.7	.3 -	2.6	.015	.002	NEG.-	.00	.0007	.0007	1.55	2.21
				8.5				.010					
	6												

TOTAL NUMBER OF PLANKTON CATEGORIES 49

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.71

BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.63

* GRAND SUMMARY *

FROM COLLECTIONS:	FILEID	STATION	SAMPLE
	80AL25	13004	C 1
	80AL25	13004	O 2
	80AU25	13C05	C 1
	80AL25	13005	O 2
	80AU25	13C06	O 1
	80AU25	13CC6	O 2

SPECIES DEFINITION -
TRUNCATED = NC
LH-STAGE = EGGOROT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	CCEF.VAR
SAMPLE VOLUME (M**3)	8.73	7.8C-9.2C	.72	.08
TOTAL WET WEIGHT (PER M**3)	.166	.01C-.421	.177	1.068
TOTAL ABUNDANCE (PER M**3)	204.07	80.43-323.59	99.68	.49
SAMPLE WET WEIGHT (PER M**3)	.167	.01C-.419	.176	1.051
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	* NUMBERS/M**3 *				* WET WEIGHT, GRAMS/M**3 *				* AVG. BICPASS *		* PERCENTAGES ABUN-DANCE BIC-MASS *		
		LH-STAGE	* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* MEAN	S.D.	* ABUN-DANCE	BIC-MASS
HYDROZOA	K		1.3	.2	.4 - .9	.4	.000	.000	NEG.-NEG.	.00	.0000	.0000	.11	.01
HYDROIDA	K		6.0	1.0	.5 - 2.6	1.1	.000	.000	NEG.-NEG.	.00	.0000	.0000	.49	.02
TURBELLARIA	C		.4	.1	.4 - .4	.2	.000	.000	NEG.-NEG.	.00	.0000	0	.04	.00
POLYCHAETA	7		.4	.1	.4 - .4	.2	.000	.000	NEG.-NEG.	.00	.0000	0	.04	.00
SPIONIDAE	6		.9	.2	.4 - .5	.2	.000	.000	NEG.-NEG.	.00	.0000	0	.06	.01
OLIGOCYBETA	B		.4	.1	.4 - .4	.2	.000	.000	NEG.-NEG.	.00	.0000	0	.04	.00
MESOGASTROPODA	7		1.9	.3	.9 - 1.0	.5	.000	.000	NEG.-NEG.	.00	.0000	0	.15	.01
BIVALVIA	7		4.2	.7	2.1 - 2.2	1.1	.000	.000	NEG.-NEG.	.00	.0000	.0000	.35	.01
ARANEAE	C		.4	.1	.4 - .4	.2	.000	.000	NEG.-NEG.	.00	.0000	0	.04	.00
ARTHROPODA PYCNOGONIDA	7		.5	.1	.5 - .5	.2	.000	.000	NEG.-NEG.	.00	.0000	0	.04	.01
EVADNE SP.	BL		2.3	.4	1.0 - 1.3	.6	.000	.000	NEG.-NEG.	.00	.0000	.0000	.19	.01
PODON SP.	8LA		34.9	5.8	.4 - 10.8	4.1	.000	.000	NEG.-NEG.	.00	.0000	.0000	2.85	.03
COPEPODA	C		.5	.1	.5 - .5	.2	.000	.000	NEG.-NEG.	.00	.0000	0	.04	.01
CALANIDA	F2		10.4	1.7	.9 - 5.7	2.4	.000	.000	NEG.-NEG.	.00	.0000	.0000	.85	.01
CALANUS SP.	F8		1.4	.2	.4 - .5	.3	.001	.000	NEG.-NEG.	.00	.0000	.0000	.11	.05
PSEUDOCALANUS SP.	8F		1.8	.3	.4 - .9	.4	.000	.000	NEG.-NEG.	.00	.0000	.0000	.15	.01
CENTROPAGES ABDOMINALIS	8F		16.3	2.7	.4 - 7.8	3.3	.001	.000	NEG.-NEG.	.00	.0000	.0000	1.33	.11
EURYTEMORA AMERICANA	8LA		109.4	18.2	9.1 - 29.7	7.2	.002	.001	NEG.-NEG.	.00	.0000	.0000	8.93	.34
EPILABIDOCERA AMPHITRITES	F8		.9	.1	.4 - .4	.2	.000	.000	NEG.-NEG.	.00	.0000	.0000	.07	.05
ACARTIA SP.	F		.5	.1	.5 - .5	.2	.000	.000	NEG.-NEG.	.00	.0000	0	.04	.01
ACARTIA CLAUSI	8B		19.9	3.3	.4 - 10.3	3.7	.000	.000	NEG.-NEG.	.00	.0000	.0000	1.63	.02
ACARTIA LONGIREMIS	8		5.5	.9	.4 - 2.2	.8	.000	.000	NEG.-NEG.	.00	.0000	.0000	.45	.02
ACARTIA TONSA	8A		10.7	1.8	.9 - 5.2	2.0	.000	.000	NEG.-NEG.	.00	.0000	.0000	.87	.02
HARPACTICOIDA	8		1.0	.2	1.0 - 1.0	.4	.000	.000	NEG.-NEG.	.00	.0000	0	.06	.01
HARPACTICUS SP.	L		.4	.1	.4 - .4	.2	.000	.000	NEG.-NEG.	.00	.0000	0	.04	.00
ZAUS SP.	8LF		2.0	.3	.4 - 1.0	.4	.000	.000	NEG.-NEG.	.00	.0000	.0000	.16	.01
THALESTRIDAE	8L		5.0	.8	.4 - 2.6	1.0	.000	.000	NEG.-NEG.	.00	.0000	.0000	.41	.02
HALICYCLOPS SP.	8		.4	.1	.4 - .4	.2	.000	.000	NEG.-NEG.	.00	.0000	0	.04	.00
DITHONA SP.	8		.4	.1	.4 - .4	.2	.000	.000	NEG.-NEG.	.00	.0000	0	.04	.00

80AU25

SUMMARY TABLE, PAGE 2

NERITIC PLANKTON ANALYSIS

ORGANISM NAME		NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
PARTS CODE	LH-STAGE	TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	PIC-MASS
BALANOPORPHA		865.5	144.3	36.1 - 237.4	84.9	.017	.003	NEG.-.005	.00	.0000	.0000	70.69	1.74
MYSIDACEA-MYSIDA	2E	3.0	.5	.4 - 2.1	.8	.001	.000	NEG.-.001	.00	.0010	.0017	.24	.14
ACANTHOMYSIS MACROPSIS	C7	1.7	.3	1.7 - 1.7	.7	.000	.000	NEG.-	.00	.0000	0	.14	.04
NEOMYSIS SP.	C	9.1	1.5	4.3 - 4.4	2.4	.006	.001	NEG.-.006	.00	.0007	.0009	.75	.61
NEOMYSIS MERCEDIS	7	1.3	.2	.4 - .9	.4	.013	.002	.003 - .010	.00	.0135	.0134	.11	1.26
LAMPROPS SP.	84	13.6	2.3	.4 - 4.6	1.8	.001	.000	NEG.-	.00	.0001	.0000	1.21	.07
LEUCON SP	A7C	25.8	4.3	.9 - 7.2	2.6	.002	.000	NEG.-	.00	.0001	.0000	2.11	.16
CUMELLA SP.	87AC	23.5	3.9	.9 - 10.3	3.9	.002	.000	NEG.-.001	.00	.0000	.0000	1.92	.17
PANCOLUS CALIFORNIENSIS	8A	.9	.2	.4 - .5	.2	.000	.000	NEG.-	.00	.0001	0	.08	.01
BOPYRIDAE	8	3.2	.5	1.0 - 2.2	.9	.000	.000	NEG.-	.00	.0000	.0000	.26	.01
COORPHIUM SP.	7	3.5	.6	.4 - 1.3	.6	.000	.000	NEG.-	.00	.0001	.0000	.28	.02
EDGAMMARUS CONFERVICOLLIS	7	11.3	1.9	.4 - 6.1	2.3	.000	.001	NEG.-.002	.00	.0002	.0001	.92	.31
EDGAMMARUS SP.	7	1.0	.2	1.0 - 1.0	.4	.000	.000	NEG.-	.00	.0001	0	.08	.01
EDGAMMARUS OCLAIRI	7	1.7	.3	.4 - .9	.4	.000	.001	NEG.-.002	.00	.0022	.0025	.14	.31
CAPRELLIDAE	7C	.4	.1	.4 - .4	.2	.000	.000	NEG.-	.00	.0001	0	.04	.00
EUPHAUSIACEA	C	7.7	1.3	.9 - 3.0	1.1	.001	.000	NEG.-	.00	.0001	.0000	.63	.06
CRANGON FRANCISCORUM	6	.9	.1	.1 - .4	.2	.000	.114	.000 - .397	.16	.7207	.1807	.07	18.72
HOMOPTERA-APHIDIDEA	8	.4	.1	.4 - .4	.2	.001	.000	NEG.-	.00	.0020	0	.04	.05
EPHYDRIDAE	8	.4	.1	.4 - .4	.2	.000	.000	NEG.-	.00	.0010	0	.04	.04
DIKOPLEURA SP.	8	3.5	.6	.4 - 2.1	.8	.000	.000	NEG.-	.00	.0001	.0000	.29	.01
ENGRAULIS MORDAX	C	.8	.1	.1 - .5	.2	.022	.004	.002 - .010	.00	.0320	.0199	.07	2.21
**NAME NOT FOUND (8818010101)	6	1.2	.2	.4 - .8	.3	.222	.037	.078 - .144	.06	.1841	.0072	.10	22.29
GOBIIDAE	7	3.2	.5	.5 - 1.3	.5	.000	.001	NEG.-.003	.00	.0026	.0022	.26	.80

TOTAL NUMBER OF PLANKTON CATEGORIES 52

SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.06
BIOMASS 1.48
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 1.98

* GRAND SUMMARY *

FROM COLLECTIONS:	FILEID	STATION	SAMPLE
	80SE09	13001	D 1
	80SE09	13001	D 2
	80SE09	13004	D 1
	80SE09	13004	C 2
	80SE09	13005	C 1
	80SE09	13005	D 2
	80SE09	13006	D 1
	80SE09	13006	D 2
	80SE09	13007	D 1
	80SE09	13007	C 2

SPECIES DEFINITION -
TRUNCATED * NO
LH-STAGE * EGGDRNDT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME	8.36	3.90-	3.51	.42
(M**3)		12.20		
TOTAL WET WEIGHT	.035	.002-	.041	1.171
(PER M**3)		.117		
TOTAL ABUNDANCE	264.85	47.21-	227.17	.86
(PER M**3)		695.79		
SAMPLE WET WEIGHT	.028	.003-	.034	1.213
(PER M**3)		.115		
SAMPLE DRY WEIGHT	0	0-	0	0
(PER M**3)		0		

ORGANISM NAME	PARTS CODE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVE. BIOMASS		PERCENTAGES		
		LH-STAGE	TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABLUN- DANCE	BIC- MASS
HYDROZOA			9.8	1.0	1.4 -	2.1	.000	.000	NEG.-	.00	.0000	.0000	.37	.09
	K				6.7			NEG.						
HYDROIDA			38.9	3.4	2.8 -	4.6	.001	.000	NEG.-	.00	.0000	.0000	1.28	.21
	K				13.3			NEG.						
CORDYLOPHORA SP.			8.9	.9	1.3 -	1.9	.001	.000	NEG.-	.00	.0001	.0000	.34	.24
	DW				5.9			NEG.						
NEMATODA			.2	.0	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.01	.01
	C				.2			NEG.						
POLYCHAETA			4.1	.4	.3 -	1.1	.000	.000	NEG.-	.00	.0001	.0000	.15	.06
	76				3.4			NEG.						
ETONE SP.			.3	.0	.3 -	.1	.001	.000	NEG.-	.00	.0020	0	.01	.15
	C				.3			NEG.						
SPIDNIDAE			12.4	1.2	.6 -	3.7	.000	.000	NEG.-	.00	.0000	.0000	.47	.05
	6				11.8			NEG.						
OLIGOCHAETA			.3	.0	.3 -	.1	.000	.000	NEG.-	.00	.0001	0	.01	.01
	C				.3			NEG.						
MESOGASTROPODA			.4	.0	.4 -	.1	.000	.000	NEG.-	.00	.0001	0	.01	.01
	7				.4			NEG.						
BIVALVIA			3.9	.4	.2 -	.8	.000	.000	NEG.-	.00	.0001	.0000	.15	.08
	C7				2.1			NEG.						
ACARINA			1.0	.1	1.0 -	.3	.000	.000	NEG.-	.00	.0001	0	.04	.03
	8				1.0			NEG.						
ACARINA HYDRACARINA PROSTIGMAT			.3	.0	.3 -	.1	.000	.000	NEG.-	.00	.0001	0	.01	.01
	8				.3			NEG.						
EVADNE SP.			89.7	9.0	6.8 -	15.7	.001	.000	NEG.-	.00	.0000	.0000	3.29	.28
	8LAC				43.1			.001						
PODON SP.			121.8	12.2	5.8 -	20.7	.004	.000	NEG.-	.00	.0000	.0000	4.60	1.04
	8ALC				54.4			.002						
COPEPODA			.4	.0	.4 -	.1	.000	.000	NEG.-	.00	.0001	0	.02	.01
	2				.4			NEG.						
CALANOIDA			2.1	.2	2.1 -	.6	.000	.000	NEG.-	.00	.0001	0	.08	.02
	F				2.1			NEG.						
CALANUS SP.			3.6	.4	.2 -	1.1	.000	.000	NEG.-	.00	.0001	.0000	.13	.05
	FC				3.4			NEG.						
PARACALANUS SP.			12.2	1.2	.2 -	1.2	.001	.000	NEG.-	.00	.0001	.0000	.46	.21
	8C				3.1			NEG.						
PSEUDOCALANUS SP.			20.6	2.1	.4 -	2.4	.001	.000	NEG.-	.00	.0000	.0000	.78	.18
	8FC				6.2			NEG.						
EUCHAETA SP.			.2	.0	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.01	.01
	F				.2			NEG.						
CENTROPAGES ABDOMINALIS			93.8	9.4	2.8 -	8.2	.004	.000	NEG.-	.00	.0000	.0000	3.54	1.08
	8AC				20.4			.001						
EURYTEMORA AMERICANA			335.3	33.5	.8 -	50.7	.011	.001	NEG.-	.00	.0000	.0000	12.66	3.21
	8LC				149.9			.005						
EPILABIDOCERA AMPHITRITES			7.9	.8	.2 -	1.1	.004	.000	NEG.-	.00	.0004	.0004	.30	1.08
	8CA				3.4			.002						
ACARTIA SP.			6.7	.7	6.7 -	2.1	.000	.000	NEG.-	.00	.0000	0	.25	.05
	C				6.7			NEG.						
ACARTIA CLAUSI			55.5	5.6	.8 -	8.5	.001	.000	NEG.-	.00	.0000	.0000	2.10	.27
	8C				26.9			NEG.						
ACARTIA LONGIREMIS			50.7	5.1	2.6 -	4.0	.001	.000	NEG.-	.00	.0000	.0000	1.92	.32
	8AC				12.3			NEG.						
ACARTIA TONSA			14.0	1.4	.4 -	2.0	.000	.000	NEG.-	.00	.0000	.0000	.53	.13
	8C				5.7			NEG.						
HARPACTICOIDA			1.0	.1	1.0 -	.3	.000	.000	NEG.-	.00	.0001	0	.04	.02
	8				1.0			NEG.						
SCOTTOLANA CANADENSIS			.5	.1	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.02	.02
	8				.3			NEG.						
ZAUS SP.			.2	.0	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.01	.01
	8				.2			NEG.						

MERITIC PLANKTON ANALYSIS

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN- DANCE	BIC- MASS
THALESTRIDAE			.2	.0	.2 - .2	.1	.000	.000	NEG.- NEG.	.00	.0001	0	.01	.01
CORYCAEUS ANGLICUS	C		1.4	.1	.4 - 1.0	.3	.000	.000	NEG.- NEG.	.00	.0001	.0000	.05	.02
HALICYCLOPS SP.	B		19.7	2.0	.6 - 11.3	3.8	.000	.000	NEG.- NEG.	.00	.0000	.0000	.74	.11
DITHONA SP.	C		4.1	.4	1.0 - 3.1	1.0	.000	.000	NEG.- NEG.	.00	.0001	.0000	.15	.06
BALANOMORPHA	C		1530.9	153.1	.3 - 439.6	168.4	.040	.004	NEG.- NEG.	.00	.0000	.0000	57.80	11.51
MYSIDACEA-MYSIDA	2E		20.6	2.1	3.4 - 7.2	2.8	.004	.000	NEG.- NEG.	.00	.0002	.0001	.78	1.23
ACANTHOMYSIS MACROPSIS	7		.4	.0	.4 - .4	.1	.000	.000	NEG.- NEG.	.00	.0001	0	.01	.01
NEOMYSIS MERCEDIS	C		11.7	1.2	.1 - 7.5	2.3	.050	.005	.003- NEG.-	.01	.0111	.0119	.44	14.22
NEOMYSIS INTEGER	LC7B		.7	.1	.7 - .7	.2	.015	.001	.015- NEG.-	.00	.0205	0	.03	4.17
LAMPROPS SP.	B		11.3	1.1	1.4 - 6.7	2.1	.001	.000	NEG.- NEG.	.00	.0001	.0000	.42	.15
LEUCON SP.	B7C		16.4	1.6	.2 - 5.1	1.9	.001	.000	NEG.- NEG.	.00	.0001	.0000	.62	.27
CUMELLA SP.	C8A		2.4	.2	.7 - 1.7	.6	.000	.000	NEG.- NEG.	.00	.0001	.0000	.09	.06
BOPYRIDAE	B7		.2	.0	.2 - .2	.1	.000	.000	NEG.- NEG.	.00	.0001	0	.01	.01
GAMMARIDEA	C		.2	.0	.2 - .2	.1	.000	.000	NEG.- NEG.	.00	.0001	0	.01	.01
GOROPHIUM SP.	7		73.6	7.4	.2 - 36.7	14.5	.005	.001	NEG.- NEG.	.00	.0001	.0000	2.78	1.55
EDGAMMARUS CONFERVICOLLIS	7		1.5	.2	.2 - 1.0	.3	.007	.001	NEG.- NEG.	.00	.0051	.0062	.06	2.06
EDGAMMARUS SP.	CL87		.7	.1	.7 - .7	.2	.000	.000	NEG.- NEG.	.00	.0001	0	.03	.01
EDGAMMARUS DCLAIRI	7		3.4	.3	3.4 - 3.4	1.1	.000	.000	NEG.- NEG.	.00	.0001	0	.13	.05
CAPRELLIDAE	7		1.0	.1	1.0 - 1.0	.3	.000	.000	NEG.- NEG.	.00	.0001	0	.04	.02
CRANGONIDAE	6		3.5	.3	.4 - 2.1	.7	.000	.000	NEG.- NEG.	.00	.0001	.0000	.13	.06
CRANGON FRANCISCORUM	3		.2	.0	.1 - .1	.0	.151	.015	.061- NEG.-	.03	.0480	.2263	.01	43.05
PINNOTHERIDAE	8		26.4	2.6	.4 - 11.3	4.1	.001	.000	NEG.- NEG.	.00	.0001	.0000	1.00	.18
DIPTERA-CHIRONOMIDAE	3		.4	.0	.2 - .2	.1	.000	.000	NEG.- NEG.	.00	.0001	0	.02	.01
HYMENOPTERA	8		1.4	.1	.4 - 1.0	.3	.000	.000	NEG.- NEG.	.00	.0002	.0002	.05	.05
GYMNOLAEMATA	B		.2	.0	.2 - .2	.1	.000	.000	NEG.- NEG.	.00	.0001	0	.01	.01
DIPLOLEURA SP.	X		13.0	1.3	.4 - 5.1	1.7	.001	.000	NEG.- NEG.	.00	.0001	.0000	.45	.18
TELEOSTEI	C		4.9	.5	.4 - 3.1	1.0	.000	.000	NEG.- NEG.	.00	.0001	.0000	.15	.07
ENGRAULIS MORDAX	+-EGG		.5	.0	.1 - .3	.1	.036	.004	.009- NEG.-	.01	.0573	.0566	.02	10.25
GOBIIDAE	6		3.4	.3	.7 - 1.7	.6	.005	.000	NEG.- NEG.	.00	.0014	.0011	.13	1.39
UNIDENTIFIED EGG	6		.2	.0	.2 - .2	.1	.000	.000	NEG.- NEG.	.00	.0001	0	.01	.01
	+-EGG													

TOTAL NUMBER OF PLANKTON CATEGORIES 61

 SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.62
 BIOMASS 2.94
 BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.57

* GRAND SUMMARY *

FROM COLLECTIONS:

FILEID	STATION	SAMPLE
80SE23	13004	C 1
80SE23	13004	D 2
80SE23	13005	C 1
80SE23	13005	C 2
80SE23	13006	D 1
80SE23	13006	D 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	7.90	4.40-11.40	3.13	.40
TOTAL WET WEIGHT (PER M**3)	.011	.000-.025	.008	.678
TOTAL ABUNDANCE (PER M**3)	156.05	70.61-286.58	81.44	.52
SAMPLE WET WEIGHT (PER M**3)	.018	.005-.062	.022	1.26
SAMPLE DRY WEIGHT (PER M**3)	0	0-0	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVE. BIOMASS		PERCENTAGES	
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	BIC-MASS
HYDROZOA			.2	.0	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.02	.03
HYDROIDA	CK		4.3	.7	.4 -	.8	.000	.000	NEG.-	.00	.0001	.0000	.46	.23
POLYCHAETA	K		1.0	.2	1.0 -	.4	.000	.000	NEG.-	.00	.0001	0	.11	.07
SPIONIDAE	6		.4	.1	.4 -	.1	.000	.000	NEG.-	.00	.0001	0	.04	.05
BIVALVIA	7		3.7	.6	.4 -	1.0	.000	.000	NEG.-	.00	.0001	.0000	.40	.25
MALACARIDAE	7C		.7	.1	.2 -	.2	.000	.000	NEG.-	.00	.0001	0	.06	.11
POLYPHEMIDAE	BC		.4	.1	.4 -	.1	.000	.000	NEG.-	.00	.0001	0	.04	.05
EVADNE SP.	B		118.9	19.8	.4 -	31.2	.004	.001	.002-	.00	.0000	.0000	12.69	6.27
PDDON SP.	L8		10.2	1.7	68.4	1.4	.000	.000	NEG.-	.00	.0000	.0000	1.09	.51
COPEPODA	BCA		.5	.1	3.2	.2	.000	.000	NEG.-	.00	.0001	0	.05	.03
CALANUS SP.	2		.9	.2	.5 -	.2	.000	.000	NEG.-	.00	.0003	.0003	.10	.36
PARACALANUS SP.	FA		6.8	1.1	.5 -	1.8	.000	.000	NEG.-	.00	.0001	0	.73	.66
PSEUDOCALANUS SP.	B		50.7	8.4	3.4 -	11.9	.003	.000	NEG.-	.00	.0001	.0000	5.41	4.16
CENTROPAGES ABDOMINALIS	BFCB		12.2	2.0	25.9	1.1	.001	.000	.001	.00	.0001	.0000	1.30	.91
EURYTEMORA AMERICANA	BCA		75.6	12.6	.7 -	9.6	.003	.000	NEG.-	.00	.0000	.0000	8.00	4.31
EPILABIDOCERA AMPHITRITES	8L		.7	.1	3.2	.2	.001	.000	NEG.-	.00	.0001	.0001	.00	.77
ACARTIA SP.	B		.9	.2	.2 -	.4	.000	.000	NEG.-	.00	.0000	0	.10	.03
ACARTIA CLAUSI	C		40.8	6.8	.5 -	6.3	.000	.000	NEG.-	.00	.0000	.0000	4.36	.32
ACARTIA LONGIREMIS	ABC		84.5	14.1	15.8	21.8	.004	.001	NEG.-	.00	.0000	.0000	9.02	5.36
ACARTIA TONSA	CAB		2.0	.3	49.1	.5	.000	.000	.002	.00	.0000	.0000	.22	.07
HARPACTICOIDA	B		.4	.1	1.1	.1	.000	.000	NEG.-	.00	.0001	0	.04	.05
SCOTTOLANA CANADENSIS	F		.7	.1	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	.07	.05
TACHIDIUS TRIANGULARIS	F		.4	.1	.7 -	.1	.000	.000	NEG.-	.00	.0001	0	.04	.05
CLETODIDAE	B		.4	.1	.4 -	.1	.000	.000	NEG.-	.00	.0001	0	.04	.05
THALESTRIDAE	C		.7	.1	.4 -	.3	.000	.000	NEG.-	.00	.0001	0	.07	.05
BALANOMORPHA	B		481.1	80.2	.7 -	100.2	.011	.002	NEG.-	.00	.0000	.0000	51.30	15.57
MYSIDACEA-MYSIDA	2E1		.8	.1	233.4	.2	.000	.000	.006	.00	.0001	.0000	.05	.06
NEOMYSIS MERCEDIS	7		1.4	.2	.4 -	.6	.004	.001	NEG.-	.00	.0005	0	.15	5.10
NEOMYSIS INTEGER	A		1.2	.2	1.4 -	.5	.004	.001	.004	.00	.0001	0	.13	5.61
LAMPROPS SP.	7B		1.0	.2	1.2 -	.3	.000	.000	.004	.00	.0001	0	.11	.15
LEUCON SP	87		17.1	2.9	.5 -	2.4	.000	.000	NEG.-	.00	.0001	.0000	1.83	2.37
CUMELLA SP.	8AC		4.3	.7	6.0	.7	.000	.000	NEG.-	.00	.0001	.0000	.46	.25
BOPYRIDAE	B		1.7	.3	1.5 -	.4	.000	.000	NEG.-	.00	.0001	.0000	.10	.10
	C67				1.0				NEG.-					

MERITIC PLANKTON ANALYSIS

ORGANISM NAME	PARTS CODE	LM-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVG. BIOMASS		PERCENTAGES	
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN- DANCE	BIC- MASS
GAMMARIDEA			.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0001	0	.05	.07
	7				.5			NEG.						
CORDPHIUM SP.			1.6	.3	.4 -	.3	.000	.000	NEG.-	.00	.0001	.0000	.17	.18
	7				.7			NEG.						
PONTOGENEIA SP.			.4	.1	.4 -	.1	.000	.000	NEG.-	.00	.0001	0	.04	.05
	7				.4			NEG.						
EDGAMMARUS SP.			.7	.1	.4 -	.2	.000	.000	NEG.-	.00	.0001	0	.07	.10
	7				.4			NEG.						
EUPHAUSIACEA			.7	.1	.2 -	.2	.000	.000	NEG.-	.00	.0001	.0000	.07	.07
	6				.5			NEG.						
CRANGONIDAE			.9	.2	.2 -	.3	.000	.000	NEG.-	.00	.0002	.0002	.10	.36
	36				.7			NEG.						
PINNOTHERIDAE			2.3	.4	.2 -	.6	.000	.000	NEG.-	.00	.0001	.0000	.24	.18
	3				1.5			NEG.						
INSECTA I			.5	.1	.5 -	.2	.000	.000	NEG.-	.00	.0001	0	.05	.07
	6				.5			NEG.						
DIPTERA-CHIRONOMIDAE			.9	.1	.4 -	.2	.000	.000	NEG.-	.00	.0001	0	.05	.12
	8				.5			NEG.						
DIPTERA-BRACHYCERA			.5	.1	.5 -	.2	.001	.000	NEG.-	.00	.0010	0	.05	.74
	6				.5			NEG.						
DIKOPLEURA SP.			.2	.0	.2 -	.1	.000	.000	NEG.-	.00	.0001	0	.02	.03
	6				.2			NEG.						
TELEOSTEI			.4	.1	.4 -	.1	.000	.000	NEG.-	.00	.0001	0	.04	.05
	C				.4			NEG.						
ENGRAULIS MORDAX		+EGG	.3	.0	.1 -	.1	.030	.005	.011-	.01	.1100	.0141	.03	43.05
	6				.2			.019						

TOTAL NUMBER OF PLANKTON CATEGORIES 46

 SHANNON-WEINER DIVERSITY INDEX NUMBERS 2.59
 BIOMASS 2.99
 BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 2.51

* GRAND SUMMARY *

FROM COLLECTIONS:	FILEID	STATION	SAMPLE
	80DC07	13001	D 1
	80DC07	13001	D 2
	80DC07	13004	C 1
	80DC07	13004	D 2
	80DC07	13005	D 1
	80DC07	13005	C 2
	80DC06	13006	D 1
	80DC06	13006	D 2
	80DC06	13007	D 1
	80DC06	13007	C 2

SPECIES DEFINITION -
TRUNCATED = ND
LH-STAGE = EGGNOT
PARTS CODE EXCLUDED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	8.30	6.10-9.70	1.73	.21
TOTAL WET WEIGHT (PER M**3)	.007	.001-.015	.005	.761
TOTAL ABUNDANCE (PER M**3)	89.25	13.61-260.00	82.11	.92
SAMPLE WET WEIGHT (PER M**3)	.007	.002-.018	.006	.810
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVE. BIOMASS		PERCENTAGES	
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	PEAN	S.D.	* ABUN-	* BIC- MASS
HYDROIDA			16.5	1.7	.1 - .7	2.8	.CCC	.CCC	NEG.-	.CC	.CCCC	.CCCC	1.85	.15
CORDYLCPHORA SP.	KW		2.3	.2	.7 - 1.6	.5	.COC	.00C	NEG.-	.CC	.CCC1	.0CC1	.26	.27
TURBELLARIA	D		.5	.0	.2 - .3	.1	.COC	.00C	NEG.-	.00	.CCC2	.0003	.06	.27
SPIONIDAE	C		.6	.1	.2 - .5	.1	.CCC	.CCC	NEG.-	.CC	.CCC1	.0C00	.07	.C5
OLIGOCHAETA	6		.2	.0	.2 - .2	.1	.CCC	.00C	NEG.-	.00	.CCC1	0	.02	.C2
BIVALVIA	C		.3	.0	.1 - .2	.1	.CCC	.00C	NEG.-	.00	.CCC1	0	.03	.C4
ARANEAE	7		.2	.0	.2 - .2	.0	.COC	.00C	NEG.-	.0C	.CCC1	0	.02	.C2
BOSMINA SP.	B		.6	.1	.6 - .6	.2	.CCC	.CCC	NEG.-	.CC	.CCCC	0	.07	.C3
EVADNE SP.	C		2.8	.3	2.8 - 2.8	.9	.COC	.00C	NEG.-	.0C	.CCCC	0	.31	.C5
EVADNE NORDMANNI	LB		97.0	9.7	.2 - 65.4	20.6	.CC2	.00C	NEG.-	.00	.CCCC	.0000	10.87	3.46
PADDON SP.	BLA		146.8	14.7	.2 - 70.8	23.1	.CC7	.CC1	NEG.-	.CC	.CCC1	.CCCC	16.45	9.88
CALANOIDA	BLCA		.2	.0	.2 - .2	.1	.CCC	.00C	NEG.-	.00	.CCC1	0	.02	.02
CALANUS SP.	F		1.1	.1	.3 - .8	.3	.CCC	.CCC	NEG.-	.00	.CCC1	0	.13	.C6
PARACALANUS SP.	F		6.2	.6	.6 - 2.5	.9	.COC	.00C	NEG.-	.CC	.CCCC	.0000	.69	.15
PSEUDOCALANIDAE	B		.2	.0	.2 - .2	.0	.CCC	.00C	NEG.-	.00	.CCC1	0	.02	.C2
CLAUDOCALANUS PARAPERGENS	F		3.1	.3	.3 - 2.5	.8	.CCC	.COC	NEG.-	.CC	.CCC1	.0000	.35	.12
PSEUDOCALANUS SP.	BA		23.5	2.4	.2 - 14.2	4.3	.C01	.000	NEG.-	.CC	.CCC1	.0000	2.64	1.55
CENTROPAGES ABDOMINALIS	FBA		22.5	2.3	.2 - 8.7	3.2	.C02	.COC	NEG.-	.00	.CCC1	.0000	2.52	2.57
EURYTEMORA AMERICANA	CBFA		200.5	20.1	.1 - 115.5	36.3	.CC2	.CCC	NEG.-	.CC	.CCCC	.0000	22.47	4.27
EPILABIDOCERA AMPHITRITES	BAL		5.1	.5	.2 - 1.5	.6	.C01	.00C	NEG.-	.00	.CCC2	.0CC4	.57	1.14
ACARTIA SP.	FB		.4	.0	.2 - .2	.1	.CCC	.CCC	NEG.-	.0C	.CCC1	.0000	.04	.C4
ACARTIA CLAUDI	BF		34.7	3.5	.3 - 14.8	4.9	.C0C	.00C	NEG.-	.0C	.CCCC	.0000	3.89	.69
ACARTIA DANAE	BA		24.9	2.5	3.2 - 12.1	3.9	.C01	.00C	NEG.-	.00	.CCCC	.0000	2.78	1.06
ACARTIA LONGIREMIS	A		32.6	3.3	.2 - 11.2	4.5	.CC1	.00C	NEG.-	.CC	.CCCC	.0000	3.65	1.51
ACARTIA TOMSA	CA		2.0	.2	.2 - 1.0	.3	.C0C	.000	NEG.-	.00	.CCCC	.0000	.22	.10
CORYCAEUS ANGLICUS	CB		.7	.1	.1 - .4	.1	.CCC	.00C	NEG.-	.00	.CCC1	0	.08	.10
HALICYCLOPS SP.	LB		.9	.1	.2 - .4	.2	.CCC	.CCC	NEG.-	.CC	.CCC1	.CCCC	.10	.12
DITHONA SP.	B		.1	.0	.1 - .1	.0	.C0C	.00C	NEG.-	.00	.CCC1	0	.01	.02
DITHONA SIMILIS	F		.1	.0	.1 - .1	.0	.C0C	.00C	NEG.-	.00	.CCC1	0	.01	.02
BALANODRPHA	B		119.4	11.9	1.0 - 34.6	12.3	.CC2	.C0C	NEG.-	.CC	.CCCC	.0000	13.27	2.57
MYSIDACEA-MYSIDA	2		27.0	2.7	3.1 - 6.4	2.5	.C07	.001	NEG.-	.00	.CCC2	.0CC1	3.63	4.82

NERITIC PLANKTON ANALYSIS

ORGANISM NAME		NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVE. BIOMASS		PERCENTAGES	
PARTS CODE	LH-STAGE	TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN- DANCE	BIC- MASS
ACANTHOMYSIS MACROPSIS	87L	2.8	.3	.2 - 1.9	.6	.005	.001	.001- .003	.00	.0051	.0026	.31	13.54
NEMOYSIS MERCEDIS	L7	.3	.0	.1 - .2	.1	.003	.000	NEG.- .002	.00	.0060	.0085	.03	3.76
NEMOYSIS INTEGER	8	.6	.1	.2 - .4	.1	.005	.001	.002- .003	.00	.0084	.0009	.07	7.64
LAMPROPS SP.	8C7	.5	.0	.1 - .2	.1	.000	.000	NEG.- NEG.	.00	.0001	.0000	.05	.07
LEUCON SP	AC	23.4	2.3	.1 - 9.9	3.4	.001	.000	NEG.- NEG.	.00	.0001	.0000	2.62	2.11
CUMELLA SP.	87A	8.1	.8	.6 - 4.9	1.5	.000	.000	NEG.- NEG.	.00	.0000	.0000	.90	.47
GAMMARIDEA	7	.4	.0	.4 - .4	.1	.000	.000	NEG.- NEG.	.00	.0001	0	.05	.06
COROPHIUM SP.	7	8.6	.9	.2 - 3.1	1.2	.000	.000	NEG.- NEG.	.00	.0000	.0000	.96	.57
EDGAMMARUS SP.	7	3.5	.4	.2 - 1.6	.5	.000	.000	NEG.- NEG.	.00	.0001	.0000	.40	.35
CAPRELLA SP.	C7	.6	.1	.1 - .5	.1	.000	.000	NEG.- NEG.	.00	.0001	.0000	.06	.04
CAPRELLA CALIFORNICA	8	.2	.0	.2 - .2	.1	.001	.000	NEG.- NEG.	.00	.0040	0	.02	1.24
EUPHAUSIACEA	263	4.9	.5	.3 - 3.3	1.0	.000	.000	NEG.- NEG.	.00	.0000	.0000	.95	.15
CRANGONIDAE	3	2.2	.2	2.2 - 2.2	.7	.001	.000	NEG.- NEG.	.00	.0003	0	.24	.92
CRANGON SP.	43	1.8	.2	.8 - .9	.4	.000	.000	NEG.- NEG.	.00	.0002	.0002	.20	.52
CANCER SP.	3	.4	.0	.4 - .4	.1	.000	.000	NEG.- NEG.	.00	.0001	0	.05	.06
PINNOOTHERIDAE	3	5.2	.5	.2 - 2.5	1.0	.000	.000	NEG.- NEG.	.00	.0001	.0000	.59	.37
HEMIGRAPUS SP.	3	.4	.0	.4 - .4	.1	.000	.000	NEG.- NEG.	.00	.0001	0	.05	.06
COLLEMBOLA	8	.2	.0	.2 - .2	.0	.000	.000	NEG.- NEG.	.00	.0001	0	.02	.02
DIKOPLEURA SP.	C	55.3	5.5	2.8 - 39.2	12.2	.001	.000	NEG.- NEG.	.00	.0000	.0000	6.20	1.06
ENGRAULIS MORDAX	6	.1	.0	.1 - .1	.0	.000	.001	.000- .008	.00	.0000	0	.01	12.39
OSHERIDAE	6	.1	.0	.1 - .1	.0	.000	.001	.000- .008	.00	.1640	0	.01	12.70
GADIDAE	6	.1	.0	.1 - .1	.0	.000	.000	NEG.- NEG.	.00	.0001	0	.01	.02
GOSIIDAE	6	.1	.0	.1 - .1	.0	.001	.000	NEG.- NEG.	.00	.0050	0	.01	.78

TOTAL NUMBER OF PLANKTON CATEGORIES 54

SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.68
 BIDMASS 4.08
 BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 3.58

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CUBIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	8.20	3.40-12.10	3.95	.48
TOTAL WET WEIGHT (PER M**3)	.056	.009-.151	.062	1.115
TOTAL ABUNDANCE (PER M**3)	853.88	68.10-2112.94	869.70	1.02
SAMPLE WET WEIGHT (PER M**3)	.059	.006-.165	.068	1.145
SAMPLE DRY WEIGHT (PER M**3)	0	0	0	0

FROM COLLECTIONS:	FILEID	STATION	SAMPLE
	80DC21	13004	0 1
	80DC21	13004	0 2
	80DC21	13005	0 1
	80DC21	13005	0 2
	80DC23	13006	0 1
	80DC23	13006	0 2

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = EGGORNOT
PARTS CODE EXCLUDED

ORGANISM NAME	PARTS CODE	LH-STAGE	NUMBERS/M**3				WET WEIGHT, GRAMS/M**3				AVE. BIGMASS		PERCENTAGES	
			TOTAL	MEAN	RANGE	S.D.	TOTAL	MEAN	RANGE	S.D.	MEAN	S.D.	ABUN-DANCE	BIC-PASS
HYDROZOA			6.2	1.0	6.2 - 6.2	2.5	.000	.000	NEG.-	.00	.0000	0	.12	.03
HYDRIDA	K		41.0	6.8	1.3 - 6.2	7.8	.001	.000	NEG.-	.00	.0000	.0000	.80	.38
POLYNOIDAE	KW		5.0	.8	.3 - 12.8	1.9	.000	.000	NEG.-	.00	.0001	.0000	.10	.15
SPIONIDAE	6		31.2	5.2	.3 - 4.7	9.2	.001	.000	NEG.-	.00	.0001	.0000	.61	.23
HALACARIDAE	6		4.7	.8	4.7 - 23.5	1.9	.000	.000	NEG.-	.00	.0001	0	.09	.14
EVADNE SP.	8		2.6	.4	2.6 - 4.7	1.1	.000	.000	NEG.-	.00	.0000	0	.05	.03
EVADNE NORDMANNI	LB		1.8	.3	1.8 - 2.6	.7	.000	.000	NEG.-	.00	.0001	0	.03	.05
PODON SP.	8		7.1	1.2	.5 - 1.8	1.3	.000	.000	NEG.-	.00	.0001	.0000	.14	.12
CALANIDAE	LB		.9	.1	.9 - 3.5	.4	.000	.000	NEG.-	.00	.0001	0	.02	.03
CALANUS SP.	C		.9	.1	.9 - .9	.4	.000	.000	NEG.-	.00	.0001	0	.02	.03
PARACALANUS SP.	F		6.5	1.1	1.8 - .9	1.9	.001	.000	NEG.-	.00	.0001	0	.13	.15
PSEUDOCALANUS SP.	8		13.7	2.3	4.7 - 7.0	3.0	.001	.000	NEG.-	.00	.0001	.0000	.27	.22
CENTROPAGES ABDOMINALIS	BA		7.6	1.3	1.0 - 3.5	1.3	.000	.000	NEG.-	.00	.0001	.0000	.15	.12
EURYTEMORA AMERICANA	AFB		500.0	83.3	21.7 - 150.6	52.4	.011	.002	NEG.-	.00	.0000	.0000	9.76	3.28
EPILABIDOCERA AMPHITRITES	LAB		17.5	2.9	.3 - 9.4	3.6	.010	.002	NEG.-	.00	.0004	.0004	.34	3.12
ACARTIA CLAUSI	FB		4012.7	668.8	25.3 - 1760.0	756.3	.105	.017	NEG.-	.02	.0000	.0000	78.92	31.20
ACARTIA LONGIREMIS	BA		7.8	1.3	.5 - 4.7	1.8	.001	.000	NEG.-	.00	.0001	.0000	.15	.22
ACARTIA TONSA	8C		2.6	.4	2.6 - 4.7	1.1	.000	.000	NEG.-	.00	.0001	0	.05	.04
HARPACTICOIDA	8		4.9	.8	.2 - 4.7	1.9	.000	.000	NEG.-	.00	.0001	0	.10	.15
SCOTTOLANA CANADENSIS	CF		4.7	.8	4.7 - 4.7	1.9	.000	.000	NEG.-	.00	.0001	0	.09	.14
ZAUS SP.	8		.3	.1	.3 - .3	.1	.000	.000	NEG.-	.00	.0001	0	.01	.00
TISBE SP.	8F		4.7	.8	4.7 - 4.7	1.9	.000	.000	NEG.-	.00	.0001	0	.09	.14
MUNTEMANIA JADENSIS	L		1.3	.2	1.3 - 1.3	.5	.000	.000	NEG.-	.00	.0001	0	.03	.04
HALICYCLOPS SP.	8		4.9	.8	.2 - 4.7	1.9	.000	.000	NEG.-	.00	.0001	0	.10	.15
BALANOMORPHA	8		247.9	41.3	7.3 - 61.2	19.5	.003	.001	NEG.-	.00	.0000	.0000	4.84	.95
MYSIDACEA-MYSIDA	2E		6.0	1.0	1.3 - 4.7	1.9	.001	.000	NEG.-	.00	.0002	.0002	.12	.29
ACANTHOMYSIS MACROPSIS	7		23.3	3.9	.8 - 9.4	3.1	.076	.012	NEG.-	.02	.0022	.0021	.45	22.78
NEOMYSIS MERCEDIS	7L		.5	.1	.5 - .5	.2	.001	.000	NEG.-	.00	.0000	0	.01	.30
NEOMYSIS INTEGER	7		14.3	2.4	.2 - 14.1	5.8	.071	.012	NEG.-	.03	.0168	.0172	.26	21.09
LAMPROPS SP.	LB7		.9	.1	.9 - .9	.4	.000	.000	NEG.-	.00	.0001	0	.02	.03
LEUCON SP	C		9.6	1.6	2.6 - 4.0	1.8	.001	.000	NEG.-	.00	.0002	.0002	.19	.40
CUMELLA SP.	ACB		15.8	2.6	.3 - 14.1	5.7	.001	.000	NEG.-	.00	.0001	.0000	.31	.18
ISOPODA	CB		76.3	12.7	1.3 - 32.9	13.3	.001	.000	NEG.-	.00	.0000	.0000	1.49	.36
AMPITHOE SP.	C		4.7	.8	4.7 - 4.7	1.9	.038	.006	NEG.-	.02	.0000	0	.09	11.22
CORDOPHIUM SP.	L		4.9	.8	.2 - 4.7	1.9	.000	.000	NEG.-	.00	.0001	0	.10	.15
EDGAMMARUS SP.	7		13.3	2.2	.8 - 9.4	3.6	.001	.000	NEG.-	.00	.0001	.0000	.26	.24
EUPHAUSIACEA	7		3.1	.5	1.3 - 1.8	.9	.000	.000	NEG.-	.00	.0001	0	.06	.09
CRANGONIDAE	2		.9	.1	.9 - .9	.4	.000	.000	NEG.-	.00	.0001	0	.02	.03
SAGITTA SP.	7		4.9	.8	.2 - 4.7	1.9	.003	.001	NEG.-	.00	.0006	.0006	.10	1.41
DIKOPLEURA SP.	C		6.5	1.1	1.8 - 4.7	1.9	.001	.000	NEG.-	.00	.0001	0	.13	.19

TOTAL NUMBER OF PLANKTON CATEGORIES 40

SHANNON-WEINER DIVERSITY INDEX NUMBERS

1.39

APPENDIX TABLE 7-1

Epibenthic Zooplankton

Appendix 7-1. Computer-tabulated summary of epibenthic zooplankton collected in shallow sublittoral (7-1.A) and lower littoral (7-1.B) habitats at Moon Island, Grays Harbor, Washington, May 27-28, 1980.

Appendix 7-1.A

EPIBENTHIC PLANKTON ANALYSIS

SUMMARY TABLE, PAGE 1

 * GRAND SUMMARY *

FROM COLLECTIONS: FILEID STATION SAMPLE

80MY27 13005 E11
 80MY27 13005 F12
 80MY27 13005 E21
 80MY27 13005 E22
 80MY28 13005 E31
 80MY28 13005 E32
 80MY28 13005 E41
 80MY28 13005 F42

SPECIES DEFINITION -

TRUNCATED = NO
 LH-STAGE = COMPLETE
 PARTS CODE UNALTERED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CURIC METERS

SAMPLE VOLUME (M**3)	MEAN	RANGF	S.D.	COFF.VAR
TOTAL WET WEIGHT (PER M**3)	2.622	.104-	6.098	2.325
TOTAL ABUNDANCE (PER M**3)	64011.43	2360.0C-	71199.33	1.11
SAMPLE WET WEIGHT (PER M**3)	2.486	.08C-	6.128	2.465
SAMPLE DRY WEIGHT (PER M**3)	0	C-	0	0

ORGANISM NAME	* PARTS CODE	* LH-STAGE	* TOTAL	* MEAN	* RANGE	* S.D.	* TOTAL	* MEAN	* RANGE	* S.D.	* AVG. BIOMASS	* PERCENTAGES
NEMATODA	C-J/A NCSEX	2446.0	305.0	40.0 -	1880.0	641.8	.124	.015	.004-	.02	.0001	.48 .59
POLYCHAETA	6-LARVA	3693.3	461.7	160.0 -	160.0 -	768.9	.143	.018	.056	.02	.0001	.72 .68
POLYNOIDA	7-JUVENILE	40.0	5.0	40.0 -	2000.0	14.1	.004	.001	.067	.00	.0001	.01 .02
PHYLLODOCIDAE	7-JUVENILE	160.0	20.0	160.0 -	40.0	56.6	.016	.002	.004	.01	.0001	.03 .08
SYLLIDAE	6-LARVA	160.0	20.0	160.0 -	160.0	56.6	.016	.002	.016	.01	.0001	.03 .08
SPIONIDAE	6-LARVA	5720.0	715.0	40.0 -	160.0	1847.7	.068	.008	.016	.02	.0001	1.12 .32
SPICINIDAE	6-LARVA	40.0	5.0	40.0 -	5280.0	14.1	.004	.001	.044	.00	.0001	.01 .02
R-ADULT				40.0 -	40.0 -				.004	.004		

Appendix 7-1.A (cont.).

EPIBENTHIC PLANKTON ANALYSIS

SUMMARY TABLE, PAGE 2

ORGANISM NAME	* PARTS CODE	* LH-STAGE	* TOTAL	* MEAN	* RANGE	* S.D.	* TOTAL	* MEAN	* RANGE	* S.D.	* AVG. BIOMASS	* PERCENTAGES
											* ABUN-	* DANCE MASS
											* S.D.	* MASS
OLIGOCHEATA			440.0	55.0	40.0 - 240.0	93.0	.02E	.003	.004 - .020	.01	.0001 .0000	.09 .13
MESOGASTROPODA		C-J/A NOSEX	366.0	45.0	40.0 - 320.0	112.0	.020	.002	.004 - .016	.01	.0001 .0000	.07 .10
MESOGASTROPODA		6-LARVA	91.4	11.4	91.4 - 91.4	32.3	.009	.001	.009 - .009	.00	.0001 0	.02 .04
BIVALVIA		7-JUVENILE	520.0	65.0	200.0 - 320.0	124.6	.036	.004	.016 - .020	.01	.0001 .0000	.10 .17
BIVALVIA		6-LARVA	262.9	32.9	80.0 - 182.9	66.8	.017	.002	.008 - .009	.00	.0001 .0000	.05 .08
ACARINA		7-JUVENILE	40.0	5.0	40.0 - 40.0	14.1	.004	.001	.004 - .004	.00	.0001 0	.01 .02
HALACARIDAE		C-J/A NOSEX	91.4	11.4	91.4 - 91.4	32.3	.009	.001	.009 - .009	.00	.0001 0	.02 .04
HALACARIDAE		8-ADULT	320.0	40.0	320.0 - 320.0	113.1	.016	.002	.016 - .016	.01	.0001 0	.06 .08
BOUSMINA SP.		C-J/A NOSEX	200.0	25.0	40.0 - 160.0	56.3	.020	.002	.004 - .016	.01	.0001 0	.04 .10
PODOPODA		L-EGG-C FEM	91.4	11.4	91.4 - 91.4	32.3	.009	.001	.009 - .009	.00	.0001 0	.02 .04
PODOPODA		7-JUVENILE	40.0	5.0	40.0 - 40.0	14.1	.004	.001	.004 - .004	.00	.0001 0	.01 .02
COPEPODA		C-J/A NOSEX	141287.6	17661.0	40.0 - 74800.0	28532.1	.200	.025	.004 - .076	.02	.0000 .0000	27.59 .95
CALANOIDA		2-NAUPLIUS	62493.3	7811.7	160.0 - 43520.0	14754.9	.171	.021	.004 - .067	.02	.0000 .0000	12.20 .81
EURYTEMORA AMERICANA		8-ADULT	2148.6	268.6	40.0 - 1188.6	401.2	.111	.014	.004 - .091	.03	.0000 .0000	.42 .53
EURYTEMORA AMERICANA		F-CCPEPODID	1862.9	232.9	120.0 - 862.9	321.9	.029	.004	.004 - .013	.00	.0000 .0000	.36 .14
ACARTIA SP.		A-JUV+ADULT	2520.0	315.0	2520.0 - 2520.0	891.0	.040	.005	.040 - .040	.01	.0000 0	.49 .19
ACARTIA SP.		F-CCPEPODID	1400.0	175.0	640.0 - 760.0	325.6	.008	.001	.004 - .004	.00	.0000 .0000	.27 .04
ACARTIA CLAUSI		6-ADULT	40.0	5.0	40.0 - 40.0	14.1	.004	.001	.004 - .004	.00	.0001 0	.01 .02
ACARTIA CLAUSI		A-JUV+ADULT	5394.3	674.3	5394.3 - 5394.3	1907.2	.091	.011	.091 - .091	.03	.0000 0	1.05 .44
HARPACTICOIDA		2-NAUPLIUS	520.0	65.0	520.0 - 520.0	183.8	.004	.001	.004 - .004	.00	.0000 0	.10 .02
HARPACTICOIDA		8-ADULT	280.0	35.0	40.0 - 160.0	89.3	.024	.003	.004 - .016	.01	.0001 .0000	.05 .11
HARPACTICOIDA		F-CCPEPODID	147280.0	18410.0	920.0 - 82000.0	26597.2	.187	.023	.004 - .067	.02	.0000 .0000	28.76 .89
HARPACTICOIDA		M-EGG CASE	440.0	55.0	40.0 - 400.0	140.1	.044	.005	.004 - .040	.01	.0001 0	.09 .21
SCOTTOLANA CANADENSIS		8-ADULT	480.0	60.0	40.0 - 440.0	154.2	.008	.001	.004 - .004	.00	.0001 .0001	.09 .04
SCOTTOLANA CANADENSIS		A-JUV+ADULT	720.0	90.0	280.0 - 440.0	172.0	.006	.001	.004 - .004	.00	.0000 .0000	.14 .04

Appendix 7-1.A (cont.).
 EPIBENTHIC PLANKTON ANALYSIS

SUMMARY TABLE, PAGE 4

ORGANISM NAME	* PAPTS CODE	* LH-STAGE	* NUMBER S/M**3	* S.D.	* TOTAL	* MEAN	* RANGE	* S.D.	* WGT WEIGHT, GRAMS/M**3	* RANGE	* MEAN	* S.D.	* AVG. BDMASS	* ABUN- DANCE	* PERCENTAGFS	
CALIGIDA		F-COPEPODID	160.0	20.0	160.0	160.0	160.0	56.6	.C16	.002	.C16	.C1	.0001	0	.C3	.08
BALANIDMORPHA		2-NAUPLIUS	16699.0	2112.4	80.0	6339.0	2116.3	2116.3	.204	.025	.004	.02	.0000	.0000	3.30	.97
BALANIDMORPHA		E-CYPRIS	1382.9	172.9	40.0	822.9	269.5	269.5	.C33	.004	.004	.00	.0001	.0000	.27	.16
ACANTHOMYSIS MACROPSIS		7-JUVENILE	40.0	5.0	40.0	40.0	14.1	14.1	.004	.001	.004	.00	.0001	0	.C1	.02
CUMACEA		7-JUVENILE	320.0	40.0	320.0	320.0	113.1	113.1	.016	.002	.016	.01	.0001	0	.C6	.08
LAMPROPIDAE		7-JUVENILE	200.0	25.0	200.0	200.0	70.7	70.7	.004	.001	.004	.00	.0000	0	.04	.02
LEUCON SP		7-JUVENILE	400.0	100.0	40.0	440.0	148.1	148.1	.C20	.002	.004	.00	.0000	.0000	.16	.10
LEUCON SP		8-ADULT	160.0	20.0	160.0	160.0	56.6	56.6	.016	.002	.016	.01	.0001	0	.03	.08
LEUCON SP		L-EGG-C FEM	40.0	5.0	40.0	40.0	14.1	14.1	.004	.001	.004	.00	.0001	0	.01	.02
CUMELLA SP.		7-JUVENILE	2045.7	255.7	40.0	1005.7	333.7	333.7	.C37	.005	.004	.00	.0001	.0000	.40	.18
CUMELLA SP.		8-ADULT	280.0	35.0	160.0	160.0	56.6	56.6	.024	.003	.004	.01	.0001	.0000	.05	.11
CUMELLA SP.		A-JUV+ADULT	680.0	110.0	880.0	880.0	311.1	311.1	.040	.005	.040	.01	.0000	0	.17	.19
CUMELLA SP.		L-EGG-C FEM	160.0	20.0	160.0	160.0	56.6	56.6	.C16	.002	.016	.01	.0001	0	.03	.08
COFOPHIUM SP.		7-JUVENILE	1200.0	150.0	120.0	320.0	136.5	136.5	.024	.003	.004	.00	.0000	.0000	.23	.11
ANISOGAMMARUS SP.		7-JUVENILE	314.3	39.3	40.0	274.3	96.0	96.0	.C13	.002	.004	.00	.0001	.0000	.06	.06
EOGAMMARUS CONFERVICOLUS		7-JUVENILE	120.0	15.0	120.0	120.0	42.4	42.4	.C40	.005	.040	.01	.0003	0	.02	.19
EOGAMMARUS SP.		7-JUVENILE	80.0	10.0	80.0	80.0	28.3	28.3	.004	.001	.004	.00	.0001	0	.02	.02
CRANGONICAE		4-MEGALOP	40.0	5.0	40.0	40.0	14.1	14.1	.C40	.005	.004	.01	.0010	0	.01	.19
NEMATOCERA		6-LARVA	160.0	20.0	160.0	160.0	56.6	56.6	.C16	.002	.016	.01	.0001	0	.03	.08
GYMNOIDAE		6-LARVA	40.0	5.0	40.0	40.0	14.1	14.1	.004	.001	.004	.00	.0001	0	.01	.02
GYMNOIDAE		X-CYPH.LARV	706.7	86.3	40.0	666.7	234.1	234.1	.071	.009	.004	.02	.0001	0	.14	.34
PAROPHYRUS VETULUS		7-JUVENILE	40.0	5.0	40.0	40.0	14.1	14.1	17.640	2.205	17.640	6.24	.4410	0	.01	84.09
UNIDENTIFIED EGG		1-EGG	6213.3	776.7	40.0	5373.3	1876.0	1876.0	.C91	.011	.004	.02	.0000	.0000	1.21	.43
UNIDENTIFIED EGG		M-EGG CA5F	80.0	10.0	80.0	80.0	28.3	28.3	.004	.001	.004	.00	.0001	0	.02	.02

Appendix 7-1.A (cont.).
EPIBENTHIC PLANKTON ANALYSIS

SUMMARY TABLE PAGE 5

TOTAL NUMBER OF PLANKTON CATEGORIES 81

SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.23
BIOMASS 1.50
BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 3.23

Appendix 7-1.B.
EPIPLANKTON PLANKTON ANALYSIS

SUMMARY TABLE, PAGE 1

* GRAND SUMMARY *

FROM COLLECTIONS: FILEID STATION SAMPLE

80MY28 13005 E33
80MY28 13005 E34

SPECIES DEFINITION -
TRUNCATED = NO
LH-STAGE = COMPLETE
PARTS CODE UNALTERED

ABUNDANCES AND WEIGHTS ARE ADJUSTED TO A STANDARD VOLUME OF 1.0 CURIC METERS

	MEAN	RANGE	S.D.	COEF.VAR
SAMPLE VOLUME (M**3)	.03	.03-	0	0
TOTAL WET WEIGHT (PER M**3)	1.364	1.288-	.107	.079
TOTAL ABUNDANCE (PER M**3)	1.6213.33	99999.00-	8730.41	.05
SAMPLE WET WEIGHT (PER M**3)	1.120	.867-	.358	.320
SAMPLE DRY WEIGHT (PER M**3)	0	0-	0	0

ORGANISM NAME	* PARTS CODE	* LH-STAGE	* TOTAL	* MEAN	* RANGE	* S.D.	* TOTAL	* MEAN	* RANGE	* S.D.	* WET WEIGHT,GRAMS/M**3	* AVG. BIOMASS	* PERCENTAGES
NEMATODA			43040.0	21520.0	14333.3	-	10163.5	.179	.089	.02	.079-	.0000	12.95
	C-J/A NOSEX		80.0	40.0	28706.7			.008	.004	.01	.008-	.0001	.02
POLYCHAETA			11653.3	5826.7	3333.3	-	3526.1	.141	.071	.01	.067-	.0000	3.51
	6-LAPVA		1333.3	666.7	1333.3	-	942.8	.033	.017	.02	.033-	.0000	.40
SPIONIDAE			3333.3	1666.7	1000.0	-	942.8	.179	.089	.02	.079-	.0001	1.00
	7-JUVENILE		666.7	333.3	666.7	-	471.4	.067	.033	.05	.067-	.0001	.20
OLIGOCHAETA			40.0	20.0	40.0	-	28.3	.004	.002	.00	.004-	.0001	.01
	6-LARVA		93666.7	46833.3	39333.3	-	10606.6	.167	.083	.02	.067-	.0000	28.18
RIVALVIA			666.7	333.3	666.7	-	471.4	.067	.033	.05	.067-	.0001	.20
	C-J/A NOSEX		666.7	333.3	666.7	-	471.4	.067	.033	.05	.067-	.0001	.20
PODOCOPA			57333.3	28666.7	26000.0	-	3771.2	.133	.067	.04	.067-	.0000	17.25
	M-EGG CASE												4.89

Appendix 7-1.B (cont.).

EPIBENTHIC PLANKTON ANALYSIS

SUMMARY TABLE, PAGE 2

ORGANISM NAME	* LH-STAGE	* TOTAL	MEAN	RANGE	S.D.	* TOTAL	MEAN	RANGE	S.D.	* AVG. BIOMASS	* PERCENTAGES	
PARTS CODE										MEAN	S.D.	
EURYTEMORA AMERICANA	R-ADULT	2146.7	1073.3	480.0 - 1666.7	839.1	.041	.021	.008 - .033	.02	.0000	.0000	.65 1.52
EURYTEMORA AMERICANA	F-COPEPODID	240.0	120.0	240.0 - 240.0	169.7	.008	.004	.008 - .008	.01	.0000	0	.07 .29
ACARTIA SP.	A-JUV-ADULT	26666.7	13333.3	26666.7 - 26666.7	18856.2	.333	.167	.333 - .333	.24	.0000	0	8.02 12.22
ACARTIA SP.	F-COPEPODID	3120.0	1560.0	3120.0 - 3120.0	2206.2	.080	.040	.040 - .080	.06	.0000	0	.94 2.93
HARPACTICOIDA	F-COPEPODID	11333.3	5666.7	11333.3 - 11333.3	8013.9	.067	.033	.067 - .067	.05	.0000	0	3.41 2.44
HARPACTICOIDA	M-EGG CASE	2666.7	1333.3	2666.7 - 2666.7	1885.6	.067	.033	.067 - .067	.05	.0000	0	.80 2.44
SCOTTOLANA CANADENSIS	C-J/A NOSEX	1280.0	640.0	1280.0 - 1280.0	905.1	.008	.004	.008 - .008	.01	.0000	0	.39 .29
SCOTTOLANA CANADENSIS	F-COPEPODID	11333.3	5666.7	2666.7 - 8666.7	4242.6	.133	.067	.067 - .067	0	.0000	.0000	3.41 4.89
ECTINOSOMATIDAE	F-COPEPODID	666.7	333.3	666.7 - 666.7	471.4	.067	.033	.067 - .067	.05	.0001	0	.20 2.44
MICROARTHRIIDION LITTORALE	R-ADULT	7413.3	3706.7	80.0 - 7333.3	5128.9	.075	.037	.008 - .067	.04	.0001	.0001	2.23 2.74
MICROARTHRIIDION LITTORALE	C-J/A NOSEX	8666.7	4333.3	8666.7 - 8666.7	6128.3	.067	.033	.067 - .067	.05	.0000	0	2.61 2.44
CLETODIDAE	F-COPEPODID	2080.0	1040.0	666.7 - 1413.3	528.0	.141	.071	.067 - .075	.01	.0001	.0000	.63 5.18
HUNTEMMAJADENSIS	R-ADULT	5640.0	2820.0	2640.0 - 3000.0	254.6	.113	.057	.033 - .080	.03	.0000	.0000	1.70 4.15
HUNTEMMAJADENSIS	L-EGG-C FEM	160.0	80.0	160.0 - 160.0	113.1	.008	.004	.008 - .008	.01	.0001	0	.05 .29
RYOCAMPTUS SP.	R-ADULT	2360.0	1180.0	1000.0 - 1360.0	254.6	.041	.021	.008 - .033	.02	.0000	.0000	.71 1.52
RYOCAMPTUS SP.	C-J/A NOSEX	666.7	333.3	666.7 - 666.7	471.4	.067	.033	.067 - .067	.05	.0001	0	.20 2.44
RALANOMORPHA	2-NAUPLIUS	25493.3	12746.7	8666.7 - 16826.7	5770.0	.175	.087	.075 - .100	.02	.0000	.0000	7.67 6.40
RALANOMORPHA	E-CYPRIS	80.0	40.0	80.0 - 80.0	56.6	.008	.004	.008 - .008	.01	.0001	0	.02 .29
LEUCON SP.	B-ADULT	40.0	20.0	40.0 - 40.0	28.3	.004	.002	.004 - .004	.00	.0001	0	.01 .15
BOPYRIDAE	C-J/A NOSEX	666.7	333.3	666.7 - 666.7	471.4	.067	.033	.067 - .067	.05	.0001	0	.20 2.44
COROPHIUM SP.	7-JUVENILE	80.0	40.0	40.0 - 40.0	0	.044	.022	.004 - .040	.03	.0006	.0006	.02 1.61
UNIDENTIFIED EGG	1-EGG	7813.3	3906.7	1333.3 - 6480.0	3639.2	.137	.069	.067 - .071	.00	.0000	.0000	2.35 5.03

TOTAL NUMBER OF PLANKTON CATEGORIES 32

SHANNON-WEINER DIVERSITY INDEX NUMBERS 3.40

BIOMASS 4.51

BRILLOUIN-S DIVERSITY INDEX BASED ON NUMBERS 3.40