

ATLANTIC COASTAL EXPERIMENT III:

**R/V KNORR CRUISE 68,
4-30 AUGUST 1977;**

**FRV ALBATROSS IV CRUISE 77-07,
1-4, 16-31 AUGUST 1977.**

DATA REPORT

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ZOOPLANKTON

ATLANTIC COASTAL EXPERIMENT-7
KNORR ZOOPLANKTON PUMP REPORT

Table of Units

Station	Series	Cast	Date EST	Latitude North	Longitude West
	Start Time Hr Min		Finish Time Hr Min	Sonic Depth M	Net Mesh μm
Depth M	Sample Time Hr Min		Volume Sample M3	Fraction Count	Volume Count M3

STATION 3	SERIES 1	CAST 1	DATE 5 AUG 77	LATITUDE 40 45.7 N	LONGITUDE 72 29.5 W
	START TIME 1604	FINISH TIME 1656	SONIC DEPTH 29	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 1604	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0357	VOLUME COUNT 0.1357	SAMPLE NUMBER 001

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1340	37.32	9877.63
CENTROPAGES TYPICUS C	2.0	1145	31.89	8440.22
COPEPOD NAUPLII	3.0	700	19.49	5159.96
BIVALVE LARVAE	4.0	88	2.45	648.68
PARACALANUS PARVUS C	5.0	70	1.95	516.00
EVAadne spp	6.0	49	1.36	361.20
COPEPODIDS UNID	7.0	41	1.14	302.23
ACARTIA TONSA	8.0	32	0.89	235.88
PTEROPODS	9.0	25	0.70	184.28
PARACALANUS PARVUS AF	10.0	23	0.64	169.54
CENTROPAGES TYPICUS AF	11.0	15	0.42	110.57
PARACALANUS CRASSIROSTRIS C	12.0	10	0.28	73.71
PARACALANUS CRASSIROSTRIS AF	13.0	9	0.25	66.34
LARVACEAN	14.0	7	0.19	51.60
MICROSETELLA NORVEGICA	15.5	5	0.14	36.86
PARACALANUS PARVUS AM	15.5	5	0.14	36.86
CENTROPAGES TYPICUS AM	17.5	4	0.11	29.49
EURYTEMORA SP	17.5	4	0.11	29.49
ACARTIA spp C	20.0	3	0.08	22.11
PARACALANUS CRASSIROSTRIS AM	20.0	3	0.08	22.11
LABIDOCERA SP	20.0	3	0.08	22.11
PSEUDOCALANUS SP AM	23.5	2	0.06	14.74
ECTOPROCT LARVAE	23.5	2	0.06	14.74
CENTROPAGES HAMATUS	23.5	2	0.06	14.74
PODON spp	23.5	2	0.06	14.74
TEMORA spp	26.5	1	0.03	7.37
POLYCHAETE LARVAE	26.5	1	0.03	7.37
TOTALS	27	3591	100	26470.59
- DATA NOT TAKEN				

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION 3	SERIES 1	CAST 1	DATE 5 AUG 77	LATITUDE 40 45.7 N	LONGITUDE 72 29.5 W
	START TIME 1604	FINISH TIME 1656	SONIC DEPTH 29	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 1612	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0417	VOLUME COUNT 0.1585	SAMPLE NUMBER 002

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1295	42.99	8172.41
CENTROPAGES TYPICUS C	2.0	900	29.88	5679.67
COPEPOD NAUPLII	3.0	525	17.43	3313.14
BIVALVE LARVAE	4.0	110	3.65	694.18
PARACALANUS PARVUS C	5.0	37	1.23	233.50
ACARTIA TONSA	6.0	27	0.90	170.39
EVADNE SPP	7.0	25	0.83	157.77
PARACALANUS PARVUS AF	8.0	24	0.80	151.46
COPEPODIDS UNID	9.0	13	0.43	82.04
PTEROPODS	10.0	8	0.27	50.49
PARACALANUS CRASSIROSTRIS AF	11.5	7	0.23	44.18
CENTROPAGES TYPICUS AM	11.5	7	0.23	44.18
CENTROPAGES TYPICUS AF	13.0	6	0.20	37.86
PARACALANUS PARVUS AM	14.5	5	0.17	31.55
PARACALANUS CRASSIROSTRIS C	14.5	5	0.17	31.55
LARVACEAN	16.5	4	0.13	25.24
EURYTEMORA SP	16.5	4	0.13	25.24
EUTERPINA SP	18.0	3	0.10	18.93
PARACALANUS CRASSIROSTRIS AM	20.0	2	0.07	12.62
PCDON SPP	20.0	2	0.07	12.62
POLYCHAETE LARVAE	20.0	2	0.07	12.62
PENILIA	22.0	1	0.03	6.31
TOTALS	22	3012	100	19007.95

- DATA NOT TAKEN

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
3	1	1	5 AUG 77	40 45.7 N	72 29.5 W
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
10.0	1624	3.80	0.0294	0.1117	003

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1335	44.46	11949.52
CENTROPAGES TYPICUS C	2.0	665	22.14	5952.38
COPEPOD NAUPLII	3.0	650	21.65	5818.12
BIVALVE LARVAE	4.0	80	2.66	716.08
PARACALANUS PARVUS C	5.5	44	1.47	393.84
CENTROPAGES TYPICUS AM	5.5	44	1.47	393.84
CENTROPAGES TYPICUS AF	7.0	35	1.17	313.28
COPEPODIDS UNID	8.0	32	1.07	286.43
ACARTIA TONSA	9.0	31	1.03	277.48
CENTROPAGES HAMATUS	10.0	17	0.57	152.17
EVAONE SPP	11.0	11	0.37	98.46
PSEUDOCALANUS SP AF	12.0	10	0.33	89.51
ACARTIA SPP C	13.0	8	0.27	71.61
DECAPOD LARVAE	14.5	7	0.23	62.66
PTEROPODS	14.5	7	0.23	62.66
PENILIA	16.5	6	0.20	53.71
PARACALANUS PARVUS AF	16.5	6	0.20	53.71
PARACALANUS PARVUS AM	18.5	3	0.10	26.85
PSEUDOCALANUS SP C	18.5	3	0.10	26.85
EUTERPINA SP	21.0	2	0.07	17.90
ANTHOZOA LARVAE	21.0	2	0.07	17.90
LARVACEAN	21.0	2	0.07	17.90
ONCAEA SPP	24.0	1	0.03	8.95
PSEUDOCALANUS SP AM	24.0	1	0.03	8.95
ECTOPROCT LARVAE	24.0	1	0.03	8.95

- DATA NOT TAKEN

TOTALS	25	3003	100	26879.70
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STATION 3	SERIES 1	CAST 1	DATE 5 AUG 77	LATITUDE 40 45.7 N	LONGITUDE 72 29.5 W
	START TIME 1604	FINISH TIME 1656	SONIC DEPTH 29	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 1632	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0238	VOLUME COUNT 0.0904	SAMPLE NUMBER 004

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	2070	44.82	22888.10
COPEPOD NAUPLII	2.0	1135	24.58	12549.76
PSEUDOCALANUS SP AF	3.0	410	8.88	4533.39
CENTROPAGES TYPICUS C	4.0	345	7.47	3814.68
PSEUDOCALANUS SP C	5.0	210	4.55	2321.98
COPEPOIDS UNID	6.5	112	2.43	1238.39
BIVALVE LARVAE	6.5	112	2.43	1238.39
PSEUDOCALANUS SP AM	8.0	41	0.89	453.34
CENTROPAGES HAMATUS	9.0	37	0.80	409.11
CENTROPAGES TYPICUS AM	10.0	27	0.58	298.54
ACARTIA TONSA	11.0	22	0.48	243.26
CENTROPAGES TYPICUS AF	12.0	20	0.43	221.14
EVADNE SPP	13.0	13	0.28	143.74
PARACALANUS PARVUS C	14.0	10	0.22	110.57
LARVACEAN	15.0	8	0.17	88.46
PTEROPODS	16.0	7	0.15	77.40
TEMORA SPP	17.5	6	0.13	66.34
POLYCHAETE LARVAE	17.5	6	0.13	66.34
PARACALANUS PARVUS AF	19.5	5	0.11	55.29
PODON SPP	19.5	5	0.11	55.29
PARACALANUS PARVUS AM	21.5	3	0.06	33.17
CALANUS SPP C	21.5	3	0.06	33.17
ECTOPROCT LARVAE	24.0	2	0.04	22.11
EUTERPINA SP	24.0	2	0.04	22.11
PLUTEI	24.0	2	0.04	22.11
EURYTEMORA SP	28.0	1	0.02	11.06
DECAPOD LARVAE	28.0	1	0.02	11.06
ONCAEA SPP	28.0	1	0.02	11.06
TEMORA LONGICORNIS AF	28.0	1	0.02	11.06
TEMORA LONGICORNIS C	28.0	1	0.02	11.06
TOTALS	30	4618	100	51061.48

- DATA NOT TAKEN

STATION 3	SERIES 1	CAST 1	DATE 5 AUG 77	LATITUDE 40 45.7 N	LONGITUDE 72 29.5 W
	START TIME 1604	FINISH TIME 1656	SONIC DEPTH 29	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 1644	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0200	VOLUME COUNT 0.0760	SAMPLE NUMBER 005

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	2080	56.19	27368.42
COPEPOD NAUPLII	2.0	670	18.10	8815.79
CENTROPAGES TYPICUS C	3.0	405	10.94	5328.95
PSEUDOCALANUS SP AF	4.0	155	4.19	2039.47
PSEUDOCALANUS SP C	5.0	112	3.03	1473.68
BIVALVE LARVAE	6.0	59	1.59	776.32
CENTROPAGES HAMATUS	7.0	57	1.54	750.00
CENTROPAGES TYPICUS AM	8.0	42	1.13	552.63
CENTROPAGES TYPICUS AF	9.0	25	0.68	328.95
PARACALANUS PARVUS AF	10.0	23	0.62	302.63
PSEUDOCALANUS SP AM	11.0	16	0.43	210.53
PARACALANUS PARVUS C	12.0	10	0.27	131.58
PTEROPODS	13.0	9	0.24	118.42
ACARTIA TONSA	14.5	8	0.22	105.26
LARVACEAN	14.5	8	0.22	105.26
MICROSETELLA NORVEGICA	16.0	6	0.16	78.95
ECTOPROCT LARVAE	17.0	4	0.11	52.63
CALANUS SPP C	18.5	3	0.08	39.47
PARACALANUS PARVUS AM	18.5	3	0.08	39.47
TEMORA LONGICORNIS C	20.0	2	0.05	26.32
TEMORA LONGICORNIS AM	23.0	1	0.03	13.16
TEMORA SPP	23.0	1	0.03	13.16
TEMORA LONGICORNIS AF	23.0	1	0.03	13.16
PODON SPP	23.0	1	0.03	13.16
POLYCHAETE LARVAE	23.0	1	0.03	13.16
TOTALS	25	3702	100	48710.52

- DATA NOT TAKEN

STATION 3	SERIES 1	CAST 1	DATE 5 AUG 77	LATITUDE 40 45.7 N	LONGITUDE 72 29.5 W
	START TIME 1604	FINISH TIME 1656	SONIC DEPTH 29	NET MESH 70	
SAMPLE DEPTH 25.0	SAMPLE TIME 1651	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0200	VOLUME COUNT 0.0760	SAMPLE NUMBER 006

S P E C I E S	RANK	COUNTS	%	NO./M3	
OITHONA SIMILIS	1.0	2865	53.42	37697.37	
COPEPOD NAUPLII	2.0	1165	21.72	15328.95	
CENTROPAGES TYPICUS C	3.0	400	7.46	5263.16	
PSEUDOCALANUS SP C	4.0	345	6.43	4539.47	
PSEUDOCALANUS SP AF	5.0	85	1.58	1118.42	
BIVALVE LARVAE	6.0	78	1.45	1026.32	
MICROSETELLA NORVEGICA	7.0	66	1.23	868.42	
CENTROPAGES HAMATUS	8.0	60	1.12	789.47	
PARACALANUS PARVUS AF	9.5	53	0.99	697.37	
CENTROPAGES TYPICUS AM	9.5	53	0.99	697.37	
PSEUDOCALANUS SP AM	11.0	42	0.78	552.63	
CENTROPAGES TYPICUS AF	12.0	23	0.43	302.63	
COPEPODIDS UNID	13.0	21	0.39	276.32	
PARACALANUS PARVUS C	14.5	20	0.37	263.16	
ECTOPROCT LARVAE	14.5	20	0.37	263.16	
TEMORA LONGICORNIS C	16.5	13	0.24	171.05	
PTEROPODS	16.5	13	0.24	171.05	
ACARTIA TONSA	18.0	11	0.21	144.74	
PARACALANUS PARVUS AM	19.5	6	0.11	78.95	
TEMORA LONGICORNIS AM	19.5	6	0.11	78.95	
TEMORA LONGICORNIS AF	21.5	4	0.07	52.63	
CALANUS SPP C	21.5	4	0.07	52.63	
LARVACEAN	24.0	2	0.04	26.32	
TORTANUS DISCAUDATUS	24.0	2	0.04	26.32	
POLYCHAETE LARVAE	24.0	2	0.04	26.32	
EVADNE SPP	27.5	1	0.02	13.16	
DECAPOD LARVAE	27.5	1	0.02	13.16	
ONCAEA SPP	27.5	1	0.02	13.16	
EURYTEMORA SP	27.5	1	0.02	13.16	
	TOTALS	29	5363	100	70565.77
- DATA NOT TAKEN					

STATION 4	SERIES 1	CAST 2	DATE 5 AUG 77	LATITUDE 40 45.1 N	LONGITUDE 72 30.4 W
	START TIME 2022	FINISH TIME 2155	SONIC DEPTH 31	NET MESH 73	
SAMPLE DEPTH 1.0	SAMPLE TIME 2022	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0167	VOLUME COUNT 0.0635	SAMPLE NUMBER 008

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS - - - - -	1.0	690	35.83	10872.99
CENTROPAGES TYPICUS C - - - - -	2.0	550	28.56	8666.88
COPEPOD NAUPLII - - - - -	3.0	340	17.65	5357.71
COPEPODIDS UNID - - - - -	4.0	87	4.52	1370.94
PARACALANUS PARVUS C - - - - -	5.0	76	3.95	1197.60
BIVALVE LARVAE - - - - -	6.0	65	3.37	1024.27
PARACALANUS PARVUS AF - - - - -	7.0	41	2.13	646.08
CENTROPAGES TYPICUS AM - - - - -	8.0	17	0.88	267.89
ACARTIA TONSA - - - - -	9.0	13	0.67	204.85
CENTROPAGES TYPICUS AF - - - - -	10.0	10	0.52	157.58
EVADNE SPP - - - - -	11.0	8	0.42	126.06
PARACALANUS PARVUS AM - - - - -	12.0	7	0.36	110.31
LARVACEAN - - - - -	13.5	4	0.21	63.03
PTEROPODS - - - - -	13.5	4	0.21	63.03
MICROSETELLA NORVEGICA - - - - -	15.0	3	0.16	47.27
PSEUDOCALANUS SP AF - - - - -	16.0	2	0.10	31.52
CENTROPAGES HAMATUS - - - - -	21.0	1	0.05	15.76
LABIDOCERA SP - - - - -	21.0	1	0.05	15.76
PARACALANUS CRASSIROSTRIS AM - - - - -	21.0	1	0.05	15.76
PENILIA - - - - -	21.0	1	0.05	15.76
ACARTIA SPP C - - - - -	21.0	1	0.05	15.76
PODON SPP - - - - -	21.0	1	0.05	15.76
PLUTEI - - - - -	21.0	1	0.05	15.76
EUPHAUSIID FURCILIAE - - - - -	21.0	1	0.05	15.76
GASTROPOD LARVAE - - - - -	21.0	1	0.05	15.76
TOTALS	25	1926	100	30349.83
- DATA NOT TAKEN				

STATION 4	SERIES 1	CAST 2	DATE 5 AUG 77	LATITUDE 40 45.1 N	LONGITUDE 72 30.4 W
	START TIME 2022	FINISH TIME 2155	SONIC DEPTH 31	NET MESH 73	
SAMPLE DEPTH 5.0	SAMPLE TIME 2032	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0167	VOLUME COUNT 0.0635	SAMPLE NUMBER 009

S P E C I E S	RANK COUNTS %			NO./M3	
OITHONA SIMILIS	- - - - -	1.0	985	44.75	15521.59
CENTROPAGES TYPICUS C	- - - - -	2.0	425	19.31	6697.13
COPEPOD NAUPLII	- - - - -	3.0	335	15.22	5278.92
COPEPODIDS UNID	- - - - -	4.0	280	12.72	4412.23
PARACALANUS PARVUS C	- - - - -	5.0	34	1.54	535.77
BIVALVE LARVAE	- - - - -	6.0	33	1.50	520.01
PSEUDOCALANUS SP C	- - - - -	7.0	27	1.23	425.46
CENTROPAGES TYPICUS AM	- - - - -	8.0	26	1.18	409.71
CENTROPAGES TYPICUS AF	- - - - -	9.0	16	0.73	252.13
PARACALANUS PARVUS AF	- - - - -	10.0	14	0.64	220.61
PSEUDOCALANUS SP AF	- - - - -	11.5	4	0.18	63.03
EVADNE SPP	- - - - -	11.5	4	0.18	63.03
PARACALANUS PARVUS AM	- - - - -	14.0	3	0.14	47.27
LARVACEAN	- - - - -	14.0	3	0.14	47.27
CENTROPAGES HAMATUS	- - - - -	14.0	3	0.14	47.27
ACARTIA SPP C	- - - - -	17.0	2	0.09	31.52
ACARTIA TONSA	- - - - -	17.0	2	0.09	31.52
EURYTEMORA SP	- - - - -	17.0	2	0.09	31.52
LABIDOCERA SP	- - - - -	20.0	1	0.05	15.76
POLYCHAETE LARVAE	- - - - -	20.0	1	0.05	15.76
FISH EGGS	- - - - -	20.0	1	0.05	15.76
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	TOTALS	21	2201	100	34683.27
- DATA NOT TAKEN					

STATION 4	SERIES 1	CAST 2	DATE 5 AUG 77	LATITUDE 40 45.1 N	LONGITUDE 72 30.4 W
	START TIME 2022	FINISH TIME 2155	SONIC DEPTH 31	NET MESH 73	
SAMPLE DEPTH 10.0	SAMPLE TIME 2100	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 010

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS - - - - -	1.0	690	34.74	18157.89
CENTROPAGES TYPICUS C - - - - -	2.0	400	20.14	10526.32
COPEPOD NAUPLII - - - - -	3.0	315	15.86	8289.47
COPEPOIDS UNID - - - - -	4.0	260	13.09	6842.10
PSEUDOCALANUS SP C - - - - -	5.0	168	8.46	4421.05
PSEUDOCALANUS SP AF - - - - -	6.0	38	1.91	1000.00
CENTROPAGES TYPICUS AM - - - - -	7.0	31	1.56	815.79
CENTROPAGES TYPICUS AF - - - - -	9.0	19	0.96	500.00
PARACALANUS PARVUS C - - - - -	9.0	19	0.96	500.00
BIVALVE LARVAE - - - - -	9.0	19	0.96	500.00
PSEUDOCALANUS SP AM - - - - -	11.0	4	0.20	105.26
ACARTIA SPP C - - - - -	13.0	3	0.15	78.95
ACARTIA TONSA - - - - -	13.0	3	0.15	78.95
EVADNE SPP - - - - -	13.0	3	0.15	78.95
PARACALANUS PARVUS AM - - - - -	17.0	2	0.10	52.63
PTEROPODS - - - - -	17.0	2	0.10	52.63
CENTROPAGES HAMATUS - - - - -	17.0	2	0.10	52.63
PARACALANUS PARVUS AF - - - - -	17.0	2	0.10	52.63
PODON SPP - - - - -	17.0	2	0.10	52.63
PARACALANUS CRASSIROSTRIS AM - - - - -	21.5	1	0.05	26.32
CALANUS SPP C - - - - -	21.5	1	0.05	26.32
FISH EGGS - - - - -	21.5	1	0.05	26.32
EUPHAUSIID FURCILIAE - - - - -	21.5	1	0.05	26.32
TOTALS	23	1986	100	52263.17

- DATA NOT TAKEN

STATION 4	SERIES 1	CAST 2	DATE 5 AUG 77	LATITUDE 40 45.1 N	LONGITUDE 72 30.4 W
	START TIME 2022	FINISH TIME 2155	SONIC DEPTH 31	NET MESH 73	
SAMPLE DEPTH 15.0	SAMPLE TIME 2130	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 011

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPOD NAUPLII	1.0	1355	41.82	35657.89
OITHONA SIMILIS	2.0	480	14.81	12631.58
PSEUDOCALANUS SP C	3.0	450	13.89	11842.10
CENTROPAGES TYPICUS C	4.0	425	13.12	11184.21
COPEPODIDS UNID	5.0	310	9.57	8157.89
PSEUDOCALANUS SP AF	6.0	83	2.56	2184.21
CENTROPAGES TYPICUS AM	7.0	45	1.39	1184.21
BIVALVE LARVAE	8.0	23	0.71	605.26
CENTROPAGES TYPICUS AF	9.0	17	0.52	447.37
PARACALANUS PARVUS C	10.0	11	0.34	289.47
EVADNE SPP	11.0	7	0.22	184.21
PARACALANUS PARVUS AF	13.5	4	0.12	105.26
CALANUS SPP C	13.5	4	0.12	105.26
LARVACEAN	13.5	4	0.12	105.26
PSEUDOCALANUS SP AM	13.5	4	0.12	105.26
MICROSETELLA NORVEGICA	17.0	3	0.09	78.95
CENTROPAGES HAMATUS	17.0	3	0.09	78.95
ACARTIA SPP C	17.0	3	0.09	78.95
PTEROPODS	19.0	2	0.06	52.63
ACARTIA LONGIREMIS	23.0	1	0.03	26.32
TEMORA LONGICORNIS AM	23.0	1	0.03	26.32
PARACALANUS PARVUS AM	23.0	1	0.03	26.32
PODON SPP	23.0	1	0.03	26.32
POLYCHAETE LARVAE	23.0	1	0.03	26.32
GASTROPOD LARVAE	23.0	1	0.03	26.32
TEMORA LONGICORNIS AF	23.0	1	0.03	26.32
TOTALS	26	3240	100	85263.13
- DATA NOT TAKEN				

STATION 4	SERIES 1	CAST 2	DATE 5 AUG 77	LATITUDE 40 45.1 N	LONGITUDE 72 30.4 W
	START TIME 2022	FINISH TIME 2155	SONIC DEPTH 31	NET MESH 73	
SAMPLE DEPTH 20.0	SAMPLE TIME 2140	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 012

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPOD NAUPLII	1.0	900	37.24	23684.21
OITHONA SIMILIS	2.0	560	23.17	14736.84
PSEUDOCALANUS SP C	3.0	320	13.24	8421.05
COPEPODIDS UNID	4.0	255	10.55	6710.53
CENTROPAGES TYPICUS C	5.0	170	7.03	4473.68
PSEUDOCALANUS SP AF	6.0	85	3.52	2236.84
PSEUDOCALANUS SP AM	7.0	24	0.99	631.58
BIVALVE LARVAE	8.0	19	0.79	500.00
MICROSETELLA NORVEGICA	9.5	11	0.46	289.47
CENTROPAGES TYPICUS AM	9.5	11	0.46	289.47
PARACALANUS PARVUS C	11.0	10	0.41	263.16
CENTROPAGES HAMATUS	12.0	9	0.37	236.84
EVADNE SPP	13.0	8	0.33	210.53
PTEROPODS	14.5	6	0.25	157.89
TEMORA LONGICORNIS C	14.5	6	0.25	157.89
PARACALANUS PARVUS AM	16.0	5	0.21	131.58
CENTROPAGES TYPICUS AF	17.0	4	0.17	105.26
EURYTEMORA SP	18.0	3	0.12	78.95
TEMORA LONGICORNIS AM	20.0	2	0.08	52.63
PARACALANUS PARVUS AF	20.0	2	0.08	52.63
TEMORA LONGICORNIS AF	20.0	2	0.08	52.63
CHAETOGNATHS	24.0	1	0.04	26.32
ECTOPROCT LARVAE	24.0	1	0.04	26.32
CALANUS SPP C	24.0	1	0.04	26.32
EUPHAUSIID FURCILIAE	24.0	1	0.04	26.32
GAMMARIDS	24.0	1	0.04	26.32
TOTALS	26	2417	100	63605.27

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION 4	SERIES 1	CAST 2	DATE 5 AUG 77	LATITUDE 40 45.1 N	LONGITUDE 72 30.4 W
	START TIME 2022	FINISH TIME 2155	SONIC DEPTH 31	NET MESH 73	
SAMPLE DEPTH 25.0	SAMPLE TIME 2150	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0062	VOLUME COUNT 0.0236	SAMPLE NUMBER 013

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1380	58.80	58573.85
COPEPOD NAUPLII	2.0	480	20.45	20373.51
PSEUDOCALANUS SP C	3.0	120	5.11	5093.38
COPEPODIDS UNID	4.0	100	4.26	4244.48
PSEUDOCALANUS SP AF	5.0	63	2.68	2674.02
ECTOPROCT LARVAE	6.0	33	1.41	1400.68
PSEUDOCALANUS SP AM	7.0	29	1.24	1230.90
MICROSETELLA NORVEGICA	8.0	26	1.11	1103.57
CENTROPAGES TYPICUS C	9.0	24	1.02	1018.68
TEMORA LONGICORNIS C	10.0	21	0.89	891.34
CENTROPAGES HAMATUS	11.0	19	0.81	806.45
BIVALVE LARVAE	12.0	15	0.64	636.67
CENTROPAGES TYPICUS AM	13.0	12	0.51	509.34
TEMORA LONGICORNIS AM	14.5	6	0.26	254.67
CENTROPAGES TYPICUS AF	14.5	6	0.26	254.67
TEMORA LONGICORNIS AF	16.0	5	0.21	212.22
CALANUS SPP C	17.0	3	0.13	127.33
ACARTIA TONSA	20.0	1	0.04	42.44
TORTANUS DISCAUDATUS	20.0	1	0.04	42.44
PTEROPODS	20.0	1	0.04	42.44
PARACALANUS PARVUS AM	20.0	1	0.04	42.44
GAMMARIDS	20.0	1	0.04	42.44
TOTALS	22	2347	100	99617.99

- DATA NOT TAKEN

STATION 5	SERIES 1	CAST 3	DATE 6 AUG 77	LATITUDE 40 44.3 N	LONGITUDE 72 28.4 W
	START TIME 0015	FINISH TIME 0108	SONIC DEPTH 30	NET MESH 73	
SAMPLE DEPTH 1.0	SAMPLE TIME 0015	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0217	VOLUME COUNT 0.0825	SAMPLE NUMBER 014

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	730	42.07	8852.78
CENTROPAGES TYPICUS C	2.0	300	17.29	3638.13
COPEPOD NAUPLII	3.0	190	10.95	2304.15
BIVALVE LARVAE	4.0	108	6.22	1309.73
CENTROPAGES TYPICUS AF	5.0	100	5.76	1212.71
PARACALANUS PARVUS AF	6.5	83	4.78	1006.55
CENTROPAGES TYPICUS AM	6.5	83	4.78	1006.55
PARACALANUS PARVUS C	8.0	71	4.09	861.02
COPEPODIDS UNID	9.0	13	0.75	157.65
ECTOPROCT LARVAE	10.0	8	0.46	97.02
PARACALANUS PARVUS AM	11.5	7	0.40	84.89
EVADNE SPP	11.5	7	0.40	84.89
ACARTIA TONSA	13.5	6	0.35	72.76
PTEROPODS	13.5	6	0.35	72.76
PSEUDOCALANUS SP C	15.0	4	0.23	48.51
DECAPOD LARVAE	16.5	3	0.17	36.38
LABIDOCERA SP	16.5	3	0.17	36.38
LARVACEAN	19.0	2	0.12	24.25
POLYCHAETE LARVAE	19.0	2	0.12	24.25
MICROSETELLA NORVEGICA	19.0	2	0.12	24.25
BARNACLE CYPRISES	24.0	1	0.06	12.13
CENTROPAGES HAMATUS	24.0	1	0.06	12.13
EURYTEMORA SP	24.0	1	0.06	12.13
ACARTIA SPP C	24.0	1	0.06	12.13
LABIDOCERA AESTIVA	24.0	1	0.06	12.13
TEMORA LONGICORNIS AF	24.0	1	0.06	12.13
CALANUS SPP C	24.0	1	0.06	12.13
TOTALS	27	1735	100	21040.50

- DATA NOT TAKEN

STATION 5	SERIES 1	CAST 3	DATE 6 AUG 77	LATITUDE 40 44.3 N	LONGITUDE 72 28.4 W
	START TIME 0015	FINISH TIME 0108	SONIC DEPTH 30	NET MESH 73	
SAMPLE DEPTH 5.0	SAMPLE TIME 0024	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0185	VOLUME COUNT 0.0703	SAMPLE NUMBER 015

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	705	40.87	10028.45
CENTROPAGES TYPICUS C	2.0	240	13.91	3413.94
COPEPOD NAUPLII	3.0	230	13.33	3271.69
BIVALVE LARVAE	4.0	135	7.83	1920.34
CENTROPAGES TYPICUS AF	5.0	102	5.91	1450.92
CENTROPAGES TYPICUS AM	6.0	92	5.33	1308.68
PARACALANUS PARVUS AF	7.0	78	4.52	1109.53
PARACALANUS PARVUS C	8.0	75	4.35	1066.86
EVADNE SPP	9.0	16	0.93	227.60
ECTOPROCT LARVAE	10.0	9	0.52	128.02
CENTROPAGES HAMATUS	12.0	7	0.41	99.57
PARACALANUS PARVUS AM	12.0	7	0.41	99.57
COPEPODIDS UNID	12.0	7	0.41	99.57
ACARTIA TONSA	14.0	6	0.35	85.35
PTEROPODS	15.0	4	0.23	56.90
POLYCHAETE LARVAE	16.0	2	0.12	28.45
PARACALANUS CRASSIROSTRIS C	21.5	1	0.06	14.22
EURYTEMORA SP	21.5	1	0.06	14.22
ACARTIA LONGIREMIS	21.5	1	0.06	14.22
LABIDOCERA AESTIVA	21.5	1	0.06	14.22
LABIDOCERA SP	21.5	1	0.06	14.22
PSEUDOCALANUS SP C	21.5	1	0.06	14.22
PODON SPP	21.5	1	0.06	14.22
MICROSETELLA NORVEGICA	21.5	1	0.06	14.22
CALANUS SPP C	21.5	1	0.06	14.22
EUTERPINA SP	21.5	1	0.06	14.22
TOTALS	26	1725	100	24537.70

- DATA NOT TAKEN

STATION 5	SERIES 1	CAST 3	DATE 6 AUG 77	LATITUDE 40 44.3 N	LONGITUDE 72 28.4 W
	START TIME 0015	FINISH TIME 0108	SONIC DEPTH 30	NET MESH 73	
SAMPLE DEPTH 10.0	SAMPLE TIME 0033	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0185	VOLUME COUNT 0.0703	SAMPLE NUMBER 016

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS - - - - -	1.0	920	47.33	13086.77
CENTROPAGES TYPICUS C - - - - -	2.0	360	18.52	5120.91
COPEPOD NAUPLII - - - - -	3.0	208	10.70	2958.75
BIVALVE LARVAE - - - - -	4.0	96	4.94	1365.58
CENTROPAGES TYPICUS AF - - - - -	5.0	85	4.37	1209.10
CENTROPAGES TYPICUS AM - - - - -	6.0	80	4.12	1137.98
PARACALANUS PARVUS C - - - - -	7.0	65	3.34	924.61
PARACALANUS PARVUS AF - - - - -	8.0	52	2.67	739.69
COPEPODIDS UNID - - - - -	9.0	12	0.62	170.70
PTEROPODS - - - - -	10.5	11	0.57	156.47
EVAONE SPP - - - - -	10.5	11	0.57	156.47
PARACALANUS PARVUS AM - - - - -	12.0	10	0.51	142.25
ACARTIA TONSA - - - - -	13.0	7	0.36	99.57
ECTOPROCT LARVAE - - - - -	14.0	6	0.31	85.35
ACARTIA SPP C - - - - -	15.0	4	0.21	56.90
TEMORA LONGICORNIS C - - - - -	16.5	3	0.15	42.67
CENTROPAGES HAMATUS - - - - -	16.5	3	0.15	42.67
POLYCHAETE LARVAE - - - - -	19.0	2	0.10	28.45
MICROSETELLA NORVEGICA - - - - -	19.0	2	0.10	28.45
PLUTEI - - - - -	19.0	2	0.10	28.45
PARACALANUS CRASSIROSTRIS C - - - - -	23.0	1	0.05	14.22
EUTERPINA SP - - - - -	23.0	1	0.05	14.22
PENILIA - - - - -	23.0	1	0.05	14.22
CANDACIA ARMATA A - - - - -	23.0	1	0.05	14.22
LABIDOCERA SP - - - - -	23.0	1	0.05	14.22
TOTALS	25	1944	100	27652.91

- DATA NOT TAKEN

STATION 5	SERIES 1	CAST 3	DATE 6 AUG 77	LATITUDE 40 44.3 N	LONGITUDE 72 28.4 W
	START TIME 0015	FINISH TIME 0108	SONIC DEPTH 30	NET MESH 73	
SAMPLE DEPTH 15.0	SAMPLE TIME 0044	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 017

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPOD NAUPLII	1.0	915	32.62	24078.95
CENTROPAGES TYPICUS C	2.0	885	31.55	23289.47
OITHONA SIMILIS	3.0	510	18.18	13421.05
PSEUDOCALANUS SP C	4.0	200	7.13	5263.16
BIVALVE LARVAE	5.0	95	3.39	2500.00
ACARTIA TONSA	6.0	45	1.60	1184.21
COPEPODIDS UNID	7.0	43	1.53	1131.58
PSEUDOCALANUS SP AF	8.0	37	1.32	973.68
CENTROPAGES TYPICUS AM	9.0	22	0.78	578.95
CENTROPAGES TYPICUS AF	10.0	15	0.53	394.74
PTEROPODS	11.0	9	0.32	236.84
PARACALANUS PARVUS C	12.0	8	0.29	210.53
PARACALANUS PARVUS AF	13.5	3	0.11	78.95
PARACALANUS PARVUS AM	13.5	3	0.11	78.95
MICROSETELLA NORVEGICA	16.5	2	0.07	52.63
ACARTIA SPP C	16.5	2	0.07	52.63
ECTOPROCT LARVAE	16.5	2	0.07	52.63
EVADNE SPP	16.5	2	0.07	52.63
PSEUDOCALANUS SP AM	22.0	1	0.04	26.32
LARVACEAN	22.0	1	0.04	26.32
PARACALANUS CRASSIROSTRIS AM	22.0	1	0.04	26.32
PARACALANUS CRASSIROSTRIS C	22.0	1	0.04	26.32
PODON SPP	22.0	1	0.04	26.32
TEMORA LONGICORNIS AF	22.0	1	0.04	26.32
CENTROPAGES HAMATUS	22.0	1	0.04	26.32

- DATA NOT TAKEN

TOTALS	25	2805	100	73815.76
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STATION 5	SERIES 1	CAST 3	DATE 6 AUG 77	LATITUDE 40 44.3 N	LONGITUDE 72 28.4 W
	START TIME 0015	FINISH TIME 0108	SONIC DEPTH 30	NET MESH 73	
SAMPLE DEPTH 20.0	SAMPLE TIME 0054	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0125	VOLUME COUNT 0.0475	SAMPLE NUMBER 018

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPOD NAUPLII	1.0	1525	49.58	32105.26
OITHONA SIMILIS	2.0	820	26.66	17263.16
PSEUDOCALANUS SP C	3.0	265	8.62	5578.95
CENTROPAGES TYPICUS C	4.0	135	4.39	2842.10
PSEUDOCALANUS SP AF	5.0	108	3.51	2273.68
PSEUDOCALANUS SP AM	6.0	43	1.40	905.26
BIVALVE LARVAE	7.0	40	1.30	842.11
CENTROPAGES TYPICUS AM	8.0	30	0.98	631.58
CENTROPAGES TYPICUS AF	9.0	26	0.85	547.37
CENTROPAGES HAMATUS	10.0	21	0.68	442.11
MICROSETELLA NORVEGICA	11.0	17	0.55	357.89
EVADNE SPP	12.5	10	0.33	210.53
PTEROPODS	12.5	10	0.33	210.53
PARACALANUS PARVUS AF	14.0	6	0.20	126.32
CALANUS SPP C	15.0	4	0.13	84.21
PARACALANUS PARVUS C	17.0	3	0.10	63.16
TEMORA LONGICORNIS AM	17.0	3	0.10	63.16
TEMORA LONGICORNIS C	17.0	3	0.10	63.16
PARACALANUS PARVUS AM	19.5	2	0.07	42.11
LABIDOCERA SP	19.5	2	0.07	42.11
PARACALANUS CRASSIROSTRIS C	22.0	1	0.03	21.05
EURYTEMORA SP	22.0	1	0.03	21.05
DECAPOD LARVAE	22.0	1	0.03	21.05
TOTALS	23	3076	100	64757.88

- DATA NOT TAKEN

STATION 5	SERIES 1	CAST 3	DATE 6 AUG 77	LATITUDE 40 44.3 N	LONGITUDE 72 28.4 W
	START TIME 0015	FINISH TIME 0108	SONIC DEPTH 30	NET MESH 73	
SAMPLE DEPTH 25.0	SAMPLE TIME 0103	VOLUME SAMPLE .3.80	FRACTION COUNT 0.0062	VOLUME COUNT 0.0236	SAMPLE NUMBER 019

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS - - - - -	1.0	1340	53.34	56876.05
COPEPOD NAUPLII - - - - -	2.0	615	24.48	26103.56
PSEUDOCALANUS SP C - - - - -	3.0	230	9.16	9762.31
PSEUDOCALANUS SP AF - - - - -	4.0	118	4.70	5008.49
CENTROPAGES TYPICUS C - - - - -	5.0	69	2.75	2928.69
PSEUDOCALANUS SP AM - - - - -	6.0	33	1.31	1400.68
MICROSETELLA NORVEGICA - - - - -	7.0	25	1.00	1061.12
CENTROPAGES HAMATUS - - - - -	8.0	22	0.88	933.79
ECTOPROCT LARVAE - - - - -	9.0	11	0.44	466.89
CENTROPAGES TYPICUS AM - - - - -	10.0	10	0.40	424.45
CENTROPAGES TYPICUS AF - - - - -	12.0	6	0.24	254.67
BIVALVE LARVAE - - - - -	12.0	6	0.24	254.67
PARACALANUS PARVUS AF - - - - -	12.0	6	0.24	254.67
TEMORA LONGICORNIS AF - - - - -	14.0	4	0.16	169.78
PTEROPODS - - - - -	15.5	3	0.12	127.33
TEMORA LONGICORNIS AM - - - - -	15.5	3	0.12	127.33
CALANUS SPP C - - - - -	18.0	2	0.08	84.89
ACARTIA TONSA - - - - -	18.0	2	0.08	84.89
CHAETOGNATHS - - - - -	18.0	2	0.08	84.89
EVAONE SPP - - - - -	22.0	1	0.04	42.44
OITHONA ATLANTICA - - - - -	22.0	1	0.04	42.44
EUCALANUS SPP C - - - - -	22.0	1	0.04	42.44
TORTANUS DISCAUDATUS - - - - -	22.0	1	0.04	42.44
TEMORA LONGICORNIS C - - - - -	22.0	1	0.04	42.44
TOTALS	24	2512	100	106621.40

- DATA NOT TAKEN

STATION 6	SERIES 1	CAST 4	DATE 6 AUG 77	LATITUDE 40 46.7 N	LONGITUDE 72 29.2 W
	START TIME 0416	FINISH TIME 0503	SONIC DEPTH 27	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 0416	VOLUME SAMPLE 3.80	FRACTION COUNT 0.1428	VOLUME COUNT 0.5426	SAMPLE NUMBER 020

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	4910	63.93	9048.36
BIVALVE LARVAE	2.0	795	10.35	1465.06
COPEPOD NAUPLII	3.0	655	8.53	1207.06
CENTROPAGES TYPICUS C	4.0	535	6.97	985.92
PARACALANUS PARVUS C	5.0	235	3.06	433.07
CENTROPAGES TYPICUS AM	6.0	123	1.60	226.67
CENTROPAGES TYPICUS AF	7.0	100	1.30	184.28
COPEPODIDS UNID	8.5	44	0.57	81.09
ACARTIA TONSA	8.5	44	0.57	81.09
PARACALANUS PARVUS AF	10.5	36	0.47	66.34
PSEUDOCALANUS SP C	10.5	36	0.47	66.34
ECTOPROCT LARVAE	12.0	32	0.42	58.97
PTEROPODS	13.0	30	0.39	55.29
PSEUDOCALANUS SP AF	14.0	19	0.25	35.01
EVADNE SPP	15.0	18	0.23	33.17
POLYCHAETE LARVAE	16.0	15	0.20	27.64
MICROSETELLA NORVEGICA	17.0	11	0.14	20.27
PARACALANUS CRASSIROSTRIS AF	18.0	9	0.12	16.59
LARVACEAN	19.0	5	0.07	9.21
DECAPOD LARVAE	21.5	3	0.04	5.53
PARACALANUS PARVUS AM	21.5	3	0.04	5.53
ACARTIA SPP C	21.5	3	0.04	5.53
TEMORA LONGICORNIS AF	21.5	3	0.04	5.53
PENILIA	26.0	2	0.03	3.69
PSEUDOCALANUS SP AM	26.0	2	0.03	3.69
CHAETOGNATHS	26.0	2	0.03	3.69
TEMORA LONGICORNIS AM	26.0	2	0.03	3.69
CENTROPAGES HAMATUS	26.0	2	0.03	3.69
ACTINOTROCHA LARVAE	31.5	1	0.01	1.84
PLUTEI	31.5	1	0.01	1.84
DOLIOLIDS	31.5	1	0.01	1.84
PODON SPP	31.5	1	0.01	1.84
PARACALANUS CRASSIROSTRIS C	31.5	1	0.01	1.84
ANTHOZOA LARVAE	31.5	1	0.01	1.84
TOTALS	34	7680	100	14153.03

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION 6	SERIES 1	CAST 4	DATE 6 AUG 77	LATITUDE 40 46.7 N	LONGITUDE 72 29.2 W
	START TIME 0416	FINISH TIME 0503	SONIC DEPTH 27	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 0425	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0714	VOLUME COUNT 0.2713	SAMPLE NUMBER 021

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1865	58.05	6873.80
COPEPOD NAUPLII	2.0	555	17.27	2045.55
BIVALVE LARVAE	3.0	202	6.29	744.51
CENTROPAGES TYPICUS C	4.0	168	5.23	619.20
PARACALANUS PARVUS C	5.0	74	2.30	272.74
CENTROPAGES TYPICUS AM	6.0	53	1.65	195.34
COPEPODIDS UNID	7.0	41	1.28	151.11
CENTROPAGES TYPICUS AF	8.0	39	1.21	143.74
PSEUDOCALANUS SP C	9.0	37	1.15	136.37
ECTOPROCT LARVAE	10.0	34	1.06	125.31
PARACALANUS PARVUS AF	11.0	31	0.96	114.26
PTEROPODS	12.0	24	0.75	88.46
MICROSETELLA NORVEGICA	13.0	21	0.65	77.40
POLYCHAETE LARVAE	14.0	17	0.53	62.66
EVADNE SPP	15.0	14	0.44	51.60
LARVACEAN	17.0	5	0.16	18.43
PSEUDOCALANUS SP AF	17.0	5	0.16	18.43
PARACALANUS PARVUS AM	17.0	5	0.16	18.43
PARACALANUS CRASSIROSTRIS AF	19.0	4	0.12	14.74
PSEUDOCALANUS SP AM	21.5	3	0.09	11.06
ACARTIA TONSA	21.5	3	0.09	11.06
PODON SPP	21.5	3	0.09	11.06
DECAPOD LARVAE	21.5	3	0.09	11.06
TEMORA LONGICORNIS C	24.5	2	0.06	7.37
CENTROPAGES HAMATUS	24.5	2	0.06	7.37
PENILIA	27.0	1	0.03	3.69
CALANUS SPP C	27.0	1	0.03	3.69
ONCAEA SPP	27.0	1	0.03	3.69
TOTALS	28	3213	100	11842.10
- DATA NOT TAKEN				

STATION 6	SERIES 1	CAST 4	DATE 6 AUG 77	LATITUDE 40 46.7 N	LONGITUDE 72 29.2 W
	START TIME 0416	FINISH TIME 0503	SONIC DEPTH 27	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 0432	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0625	VOLUME COUNT 0.2375	SAMPLE NUMBER 022

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS - - - - -	1.0	4075	68.00	17157.89
COPEPOD NAUPLII - - - - -	2.0	670	11.18	2821.05
BIVALVE LARVAE - - - - -	3.0	615	10.26	2589.47
CENTROPAGES TYPICUS C - - - - -	4.0	172	2.87	724.21
PARACALANUS PARVUS C - - - - -	5.0	120	2.00	505.26
CENTROPAGES TYPICUS AM - - - - -	6.0	60	1.00	252.63
COPEPODIDS UNID - - - - -	7.0	50	0.83	210.53
CENTROPAGES TYPICUS AF - - - - -	8.0	38	0.63	160.00
PTEROPODS - - - - -	9.0	37	0.62	155.79
PARACALANUS PARVUS AF - - - - -	10.0	28	0.47	117.89
EVADNE SPP - - - - -	11.0	25	0.42	105.26
ACARTIA TONSA - - - - -	12.0	23	0.38	96.84
ECTOPROCT LARVAE - - - - -	13.0	14	0.23	58.95
LARVACEAN - - - - -	14.0	11	0.18	46.32
PSEUDOCALANUS SP C - - - - -	15.0	10	0.17	42.11
PARACALANUS CRASSIROSTRIS AF - - - - -	16.0	9	0.15	37.89
PENILIA - - - - -	17.5	7	0.12	29.47
PARACALANUS PARVUS AM - - - - -	17.5	7	0.12	29.47
POLYCHAETE LARVAE - - - - -	19.0	6	0.10	25.26
MICROSETELLA NORVEGICA - - - - -	20.0	4	0.07	16.84
PARACALANUS CRASSIROSTRIS C - - - - -	22.0	2	0.03	8.42
ACARTIA SPP C - - - - -	22.0	2	0.03	8.42
PSEUDOCALANUS SP AF - - - - -	22.0	2	0.03	8.42
POLYCHAETE LAR EAR - - - - -	26.5	1	0.02	4.21
PLUTEI - - - - -	26.5	1	0.02	4.21
DECAPOD LARVAE - - - - -	26.5	1	0.02	4.21
TEMORA LONGICORNIS C - - - - -	26.5	1	0.02	4.21
HARPACTICOIDA UNID - - - - -	26.5	1	0.02	4.21
TEMORA LONGICORNIS AF - - - - -	26.5	1	0.02	4.21
TOTALS	29	5993	100	25233.69

- DATA NOT TAKEN

STATION 6	SERIES 1	CAST 4	DATE 6 AUG 77	LATITUDE 40 46.7 N	LONGITUDE 72 29.2 W
	START TIME 0416	FINISH TIME 0503	SONIC DEPTH 27	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 0441	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0555	VOLUME COUNT 0.2109	SAMPLE NUMBER 023

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	2100	44.23	9957.33
COPEPOD NAUPLII	2.0	965	20.32	4575.63
CENTROPAGES TYPICUS C	3.0	610	12.85	2892.37
BIVALVE LARVAE	4.0	335	7.06	1588.43
COPEPODIDS UNID	5.0	295	6.21	1398.77
PARACALANUS PARVUS C	6.0	115	2.42	545.28
PTEROPODS	7.0	88	1.85	417.26
CENTROPAGES TYPICUS AM	8.0	65	1.37	308.20
CENTROPAGES TYPICUS AF	9.0	32	0.67	151.73
LARVACEAN	10.0	24	0.51	113.80
PSEUDOCALANUS SP C	11.0	20	0.42	94.83
EVADNE SPP	12.0	19	0.40	90.09
PSEUDOCALANUS SP AF	13.5	12	0.25	56.90
ACARTIA TONSA	13.5	12	0.25	56.90
PARACALANUS PARVUS AF	15.0	10	0.21	47.42
POLYCHAETE LARVAE	16.0	9	0.19	42.67
ECTOPROCT LARVAE	17.0	7	0.15	33.19
PARACALANUS CRASSIROSTRIS AF	18.0	5	0.11	23.71
PARACALANUS CRASSIROSTRIS C	19.0	4	0.08	18.97
PARACALANUS PARVUS AM	21.5	3	0.06	14.22
PODON SPP	21.5	3	0.06	14.22
CENTROPAGES HAMATUS	21.5	3	0.06	14.22
MICROSETELLA NORVEGICA	21.5	3	0.06	14.22
TEMORA LONGICORNIS AM	24.5	2	0.04	9.48
TEMORA LONGICORNIS AF	24.5	2	0.04	9.48
OITHONA ATLANTICA	28.0	1	0.02	4.74
PARACALANUS CRASSIROSTRIS AM	28.0	1	0.02	4.74
PENILIA	28.0	1	0.02	4.74
EURYTEMORA SP	28.0	1	0.02	4.74
PSEUDOCALANUS SP AM	28.0	1	0.02	4.74
TOTALS	30	4748	100	22513.04
- DATA NOT TAKEN				

STATION 6	SERIES 1	CAST 4	DATE 6 AUG 77	LATITUDE 40 46.7 N	LONGITUDE 72 29.2 W
	START TIME 0416	FINISH TIME 0503	SONIC DEPTH 27	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 0450	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0385	VOLUME COUNT 0.1463	SAMPLE NUMBER 024

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1965	46.58	13431.31
COPEPOD NAUPLII	2.0	1050	24.89	7177.03
CENTROPAGES TYPICUS C	3.0	525	12.44	3588.52
BIVALVE LARVAE	4.0	170	4.03	1162.00
COPEPODIDS UNID	5.0	140	3.32	956.94
PARACALANUS PARVUS C	6.0	78	1.85	533.15
PSEUDOCALANUS SP C	7.0	68	1.61	464.80
LARVACEAN	8.0	50	1.19	341.76
CENTROPAGES TYPICUS AM	9.0	25	0.59	170.88
CENTROPAGES TYPICUS AF	10.0	24	0.57	164.05
ACARTIA TONSA	11.0	21	0.50	143.54
PSEUDOCALANUS SP AF	12.0	20	0.47	136.71
PTEROPODS	13.0	19	0.45	129.87
ECTOPROCT LARVAE	14.0	13	0.31	88.86
POLYCHAETE LARVAE	15.0	8	0.19	54.68
PARACALANUS PARVUS AF	16.0	7	0.17	47.85
PSEUDOCALANUS SP AM	18.5	5	0.12	34.18
MICROSETELLA NORVEGICA	18.5	5	0.12	34.18
TEMORA LONGICORNIS C	18.5	5	0.12	34.18
TEMORA LONGICORNIS AM	18.5	5	0.12	34.18
TEMORA SPP	21.0	4	0.09	27.34
PARACALANUS PARVUS AM	22.5	2	0.05	13.67
CENTROPAGES HAMATUS	22.5	2	0.05	13.67
PODON SPP	27.5	1	0.02	6.84
ACARTIA SPP C	27.5	1	0.02	6.84
PARACALANUS CRASSIROSTRIS AF	27.5	1	0.02	6.84
OITHONA ATLANTICA	27.5	1	0.02	6.84
EURYTEMORA SP	27.5	1	0.02	6.84
TEMORA LONGICORNIS AF	27.5	1	0.02	6.84
CALANUS SPP C	27.5	1	0.02	6.84
FISH EGGS	27.5	1	0.02	6.84
TOTALS	31	4219	100	28838.01
- DATA NOT TAKEN				

STATION 6	SERIES 1	CAST 4	DATE 6 AUG 77	LATITUDE 40 46.7 N	LONGITUDE 72 29.2 W
	START TIME 0416	FINISH TIME 0503	SONIC DEPTH 27	NET MESH 70	
SAMPLE DEPTH 25.0	SAMPLE TIME 0458	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0182	VOLUME COUNT 0.0692	SAMPLE NUMBER 025

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1605	50.09	23207.05
COPEPOD NAUPLII	2.0	390	12.17	5639.10
CENTROPAGES TYPICUS C	3.0	350	10.92	5060.73
PSEUDOCALANUS SP C	4.0	280	8.74	4048.58
COPEPODIDS UNID	5.0	142	4.43	2053.21
ECTOPROCT LARVAE	6.0	71	2.22	1026.60
PSEUDOCALANUS SP AF	7.0	64	2.00	925.39
CENTROPAGES HAMATUS	8.0	46	1.44	665.12
BIVALVE LARVAE	9.0	33	1.03	477.15
MICROSETELLA NORVEGICA	10.0	29	0.91	419.32
TEMORA LONGICORNIS C	11.0	27	0.84	390.40
ACARTIA TONSA	12.0	26	0.81	375.94
TEMORA LONGICORNIS AM	13.0	20	0.62	289.18
TEMORA LONGICORNIS AF	14.0	18	0.56	260.27
LARVACEAN	15.0	16	0.50	231.35
CENTROPAGES TYPICUS AM	16.5	13	0.41	187.97
CENTROPAGES TYPICUS AF	16.5	13	0.41	187.97
PARACALANUS PARVUS C	18.0	9	0.28	130.13
PSEUDOCALANUS SP AM	19.5	7	0.22	101.21
POLYCHAETE LARVAE	19.5	7	0.22	101.21
PTEROPODS	21.5	6	0.19	86.76
TEMORA SPP	21.5	6	0.19	86.76
EVADNE SPP	24.0	5	0.16	72.30
EURYTEMORA SP	24.0	5	0.16	72.30
PARACALANUS PARVUS AF	24.0	5	0.16	72.30
PARACALANUS CRASSIROSTRIS AF	26.5	3	0.09	43.38
PARACALANUS PARVUS AM	26.5	3	0.09	43.38
OITHONA ATLANTICA	30.0	1	0.03	14.46
PARACALANUS CRASSIROSTRIS AM	30.0	1	0.03	14.46
ONCAEA SPP	30.0	1	0.03	14.46
DECAPOD LARVAE	30.0	1	0.03	14.46
TORTANUS DISCAUDATUS	30.0	1	0.03	14.46
TOTALS	32	3204	100	46327.36

- DATA NOT TAKEN

STATION 7	SERIES 1	CAST 5	DATE 6 AUG 77	LATITUDE 40 46.2 N	LONGITUDE 72 28.9 W
	START TIME 0805	FINISH TIME 0855	SONIC DEPTH 28	NET MESH 73	
SAMPLE DEPTH 1.0	SAMPLE TIME 0805	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0200	VOLUME COUNT 0.0760	SAMPLE NUMBER 026

SPECIES	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	975	63.39	12828.95
COPEPOD NAUPLII	2.0	138	8.97	1815.79
CENTROPAGES TYPICUS C	3.0	127	8.26	1671.05
BIVALVE LARVAE	4.0	113	7.35	1486.84
PARACALANUS PARVUS C	5.0	49	3.19	644.74
COPEPODIDS UNID	6.0	45	2.93	592.11
CENTROPAGES TYPICUS AM	7.0	18	1.17	236.84
CENTROPAGES TYPICUS AF	8.0	16	1.04	210.53
EVADNE SPP	9.0	14	0.91	184.21
PARACALANUS PARVUS AF	10.0	12	0.78	157.89
PARACALANUS CRASSIROSTRIS C	11.0	7	0.46	92.11
PARACALANUS CRASSIROSTRIS AF	12.5	6	0.39	78.95
PTEROPODS	12.5	6	0.39	78.95
ECTOPROCT LARVAE	14.0	5	0.33	65.79
ACARTIA TONSA	15.0	3	0.20	39.47
PSEUDOCALANUS SP C	17.5	1	0.07	13.16
CENTROPAGES HAMATUS	17.5	1	0.07	13.16
EURYTEMORA SP	17.5	1	0.07	13.16
PODON SPP	17.5	1	0.07	13.16

STATION 7	SERIES 1	CAST 5	DATE 6 AUG 77	LATITUDE 40 46.2 N	LONGITUDE 72 28.9 W
	START TIME 0805	FINISH TIME 0855	SONIC DEPTH 28	NET MESH 73	
SAMPLE DEPTH 5.0	SAMPLE TIME 0812	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0200	VOLUME COUNT 0.0760	SAMPLE NUMBER 027

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1180	68.97	15526.31
COPEPOD NAUPLII	2.0	163	9.53	2144.74
BIVALVE LARVAE	3.0	155	9.06	2039.47
COPEPODIDS UNID	4.0	59	3.45	776.32
CENTROPAGES TYPICUS C	5.0	30	1.75	394.74
PARACALANUS PARVUS C	6.0	26	1.52	342.11
EVADNE SPP	7.0	22	1.29	289.47
PTEROPODS	8.0	18	1.05	236.84
PARACALANUS CRASSIROSTRIS C	9.0	15	0.88	197.37
ECTOPROCT LARVAE	10.0	11	0.64	144.74
PARACALANUS CRASSIROSTRIS AF	11.0	7	0.41	92.11
PARACALANUS PARVUS AF	12.5	6	0.35	78.95
MICROSETELLA NORVEGICA	12.5	6	0.35	78.95
CENTROPAGES TYPICUS AF	14.0	4	0.23	52.63
ACARTIA TONSA	15.0	3	0.18	39.47
CENTROPAGES TYPICUS AM	16.0	2	0.12	26.32
ACARTIA SPP C	18.5	1	0.06	13.16
CENTROPAGES HAMATUS	18.5	1	0.06	13.16
PARACALANUS PARVUS AM	18.5	1	0.06	13.16
PSEUDOCALANUS SP C	18.5	1	0.06	13.16
TOTALS	20	1711	100	22513.16

- DATA NOT TAKEN

STATION 7	SERIES 1	CAST 5	DATE 6 AUG 77	LATITUDE 40 46.2 N	LONGITUDE 72 28.9 W
	START TIME 0805	FINISH TIME 0855	SONIC DEPTH 28	NET MESH 73	
SAMPLE DEPTH 10.0	SAMPLE TIME 0820	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0149	VOLUME COUNT 0.0566	SAMPLE NUMBER 028

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS - - - - -	1.0	1335	55.33	23578.24
COPEPOD NAUPLII - - - - -	2.0	560	23.21	9890.50
CENTROPAGES TYPICUS C - - - - -	3.0	150	6.22	2649.24
COPEPOIDS UNID - - - - -	4.0	98	4.06	1730.84
BIVALVE LARVAE - - - - -	5.0	90	3.73	1589.54
PARACALANUS PARVUS C - - - - -	6.0	24	0.99	423.88
CENTROPAGES TYPICUS AM - - - - -	7.0	22	0.91	388.56
ACARTIA SPP C - - - - -	8.5	20	0.83	353.23
ACARTIA TONSA - - - - -	8.5	20	0.83	353.23
EVADNE SPP - - - - -	10.0	19	0.79	335.57
PLUTEI - - - - -	11.0	15	0.62	264.92
PTEROPODS - - - - -	12.0	14	0.58	247.26
PARACALANUS CRASSIROSTRIS C - - - - -	13.5	10	0.41	176.62
CENTROPAGES HAMATUS - - - - -	13.5	10	0.41	176.62
PENILIA - - - - -	15.0	7	0.29	123.63
CENTROPAGES TYPICUS AF - - - - -	16.0	6	0.25	105.97
ECTOPROCT LARVAE - - - - -	17.0	3	0.12	52.98
PARACALANUS CRASSIROSTRIS AF - - - - -	19.0	2	0.08	35.32
PARACALANUS PARVUS AF - - - - -	19.0	2	0.08	35.32
PARACALANUS CRASSIROSTRIS AM - - - - -	19.0	2	0.08	35.32
PSEUDOCALANUS SP AM - - - - -	22.5	1	0.04	17.66
MICROSETELLA NORVEGICA - - - - -	22.5	1	0.04	17.66
PSEUDOCALANUS SP AF - - - - -	22.5	1	0.04	17.66
LARVACEAN - - - - -	22.5	1	0.04	17.66
TOTALS	24	2413	100	42617.45
- DATA NOT TAKEN				

STATION 7	SERIES 1	CAST 5	DATE 6 AUG 77	LATITUDE 40 46.2 N	LONGITUDE 72 28.9 W
	START TIME 0805	FINISH TIME 0855	SONIC DEPTH 28	NET MESH 73	
SAMPLE DEPTH 15.0	SAMPLE TIME 0830	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0125	VOLUME COUNT 0.0475	SAMPLE NUMBER 029

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS - - - - -	1.0	1275	57.20	26842.10
COPEPOD NAUPLII - - - - -	2.0	630	28.26	13263.16
CENTROPAGES TYPICUS C - - - - -	3.0	152	6.82	3200.00
BIVALVE LARVAE - - - - -	4.0	38	1.70	800.00
COPEPODIDS UNID - - - - -	5.0	35	1.57	736.84
PTEROPODS - - - - -	6.0	18	0.81	378.95
PARACALANUS PARVUS C - - - - -	7.0	16	0.72	336.84
ACARTIA SPP C - - - - -	8.5	12	0.54	252.63
CENTROPAGES HAMATUS - - - - -	8.5	12	0.54	252.63
ECTOPROCT LARVAE - - - - -	10.0	8	0.36	168.42
EVADNE SPP - - - - -	11.0	7	0.31	147.37
CENTROPAGES TYPICUS AM - - - - -	12.0	6	0.27	126.32
LARVACEAN - - - - -	13.0	4	0.18	84.21
PSEUDOCALANUS SP C - - - - -	15.0	3	0.13	63.16
PARACALANUS PARVUS AF - - - - -	15.0	3	0.13	63.16
ACARTIA TONSA - - - - -	15.0	3	0.13	63.16
EURYTEMORA SP - - - - -	20.0	1	0.04	21.05
PARACALANUS PARVUS AM - - - - -	20.0	1	0.04	21.05
TEMORA LONGICORNIS AF - - - - -	20.0	1	0.04	21.05
TEMORA LONGICORNIS C - - - - -	20.0	1	0.04	21.05
PARACALANUS CRASSIROSTRIS C - - - - -	20.0	1	0.04	21.05
PSEUDOCALANUS SP AF - - - - -	20.0	1	0.04	21.05
POLYCHAETE LARVAE - - - - -	20.0	1	0.04	21.05
TOTALS	23	2229	100	46926.30

- DATA NOT TAKEN

STATION 7	SERIES 1	CAST 5	DATE 6 AUG 77	LATITUDE 40 46.2 N	LONGITUDE 72 28.9 W
	START TIME 0805	FINISH TIME 0855	SONIC DEPTH 28	NET MESH 73	
SAMPLE DEPTH 20.0	SAMPLE TIME 0838	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0111	VOLUME COUNT 0.0422	SAMPLE NUMBER 030

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS - - - - -	1.0	835	63.11	19796.11
COPEPOD NAUPLII - - - - -	2.0	230	17.38	5452.82
CENTROPAGES TYPICUS C - - - - -	3.0	76	5.74	1801.80
COPEPODIDS UNID - - - - -	4.0	53	4.01	1256.52
BIVALVE LARVAE - - - - -	5.0	27	2.04	640.11
PARACALANUS PARVUS C - - - - -	6.0	19	1.44	450.45
PTEROPODS - - - - -	7.0	18	1.36	426.74
ECTOPROCT LARVAE - - - - -	8.0	17	1.28	403.03
CENTROPAGES HAMATUS - - - - -	9.0	13	0.98	308.20
PSEUDOCALANUS SP C - - - - -	10.0	7	0.53	165.96
CENTROPAGES TYPICUS AF - - - - -	11.0	5	0.38	118.54
PARACALANUS PARVUS AF - - - - -	13.0	4	0.30	94.83
PSEUDOCALANUS SP AF - - - - -	13.0	4	0.30	94.83
ACARTIA TONSA - - - - -	13.0	4	0.30	94.83
TEMORA LONGICORNIS C - - - - -	16.5	2	0.15	47.42
PARACALANUS CRASSIROSTRIS C - - - - -	16.5	2	0.15	47.42
EVADNE SPP - - - - -	16.5	2	0.15	47.42
CENTROPAGES TYPICUS AM - - - - -	16.5	2	0.15	47.42
PARACALANUS PARVUS AM - - - - -	20.0	1	0.08	23.71
LARVACEAN - - - - -	20.0	1	0.08	23.71
POLYCHAETE LARVAE - - - - -	20.0	1	0.08	23.71
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TOTALS	21	1323	100	31365.57
- DATA NOT TAKEN				

STATION 7	SERIES 1	CAST 5	DATE 6 AUG 77	LATITUDE 40 46.2 N	LONGITUDE 72 28.9 W
	START TIME 0805	FINISH TIME 0855	SONIC DEPTH 28	NET MESH 73	
SAMPLE DEPTH 25.0	SAMPLE TIME 0850	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0111	VOLUME COUNT 0.0422	SAMPLE NUMBER 031

S P E C I E S	RANK	COUNTS	%	NO. /M3
OITHONA SIMILIS	1.0	975	56.55	23115.22
COPEPOD NAUPLII	2.0	380	22.04	9009.01
PSEUDOCALANUS SP C	3.0	68	3.94	1612.14
COPEPODIDS UNID	4.0	67	3.89	1588.43
CENTROPAGES TYPICUS C	5.0	34	1.97	806.07
ECTOPROCT LARVAE	6.0	31	1.80	734.95
BIVALVE LARVAE	7.0	24	1.39	568.99
TEMORA LONGICORNIS C	8.0	22	1.28	521.57
CENTROPAGES HAMATUS	9.0	20	1.16	474.16
TEMORA LONGICORNIS AM	10.0	15	0.87	355.62
POLYCHAETE LARVAE	11.0	14	0.81	331.91
PSEUDOCALANUS SP AF	12.5	13	0.75	308.20
MICROSETELLA NORVEGICA	12.5	13	0.75	308.20
PTEROPODS	14.0	11	0.64	260.79
PARACALANUS PARVUS AF	15.0	10	0.58	237.08
PSEUDOCALANUS SP AM	16.5	6	0.35	142.25
PARACALANUS PARVUS C	16.5	6	0.35	142.25
TEMORA LONGICORNIS AF	18.0	5	0.29	118.54
PARACALANUS PARVUS AM	20.5	2	0.12	47.42
LARVACEAN	20.5	2	0.12	47.42
CENTROPAGES TYPICUS AM	20.5	2	0.12	47.42
PARACALANUS CRASSIROSTRIS AM	20.5	2	0.12	47.42
CENTROPAGES TYPICUS AF	23.5	1	0.06	23.71
PARACALANUS CRASSIROSTRIS C	23.5	1	0.06	23.71
TOTALS	24	1724	100	40872.43

- DATA NOT TAKEN

STATION 8	SERIES 1	CAST 6	DATE 6 AUG 77	LATITUDE 40 46.4 N	LONGITUDE 72 28.7 W
	START TIME 1200	FINISH TIME 1256	SONIC DEPTH 28	NET MESH 73	
SAMPLE DEPTH 1.0	SAMPLE TIME 1200	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0200	VOLUME COUNT 0.0760	SAMPLE NUMBER 032

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS - - - - -	1.0	1980	66.04	26052.63
BIVALVE LARVAE - - - - -	2.0	435	14.51	5723.68
COPEPOD NAUPLII - - - - -	3.0	315	10.51	4144.74
CENTROPAGES TYPICUS C - - - - -	4.0	77	2.57	1013.16
PLUTEI - - - - -	5.0	48	1.60	631.58
ACARTIA TONSA - - - - -	6.0	39	1.30	513.16
COPEPODIDS UNID - - - - -	7.5	14	0.47	184.21
EVADNE SPP - - - - -	7.5	14	0.47	184.21
CENTROPAGES TYPICUS AF - - - - -	9.0	11	0.37	144.74
PTEROPODS - - - - -	10.5	10	0.33	131.58
CENTROPAGES TYPICUS AM - - - - -	10.5	10	0.33	131.58
PSEUDOCALANUS SP C - - - - -	12.0	7	0.23	92.11
CENTROPAGES HAMATUS - - - - -	13.0	6	0.20	78.95
ACARTIA SPP C - - - - -	14.5	5	0.17	65.79
MICROSETELLA NORVEGICA - - - - -	14.5	5	0.17	65.79
LARVACEAN - - - - -	16.0	4	0.13	52.63
PARACALANUS CRASSIROSTRIS C - - - - -	17.0	3	0.10	39.47
PARACALANUS PARVUS C - - - - -	20.5	2	0.07	26.32
ONCAEA VENUSTA - - - - -	20.5	2	0.07	26.32
PARACALANUS CRASSIROSTRIS AM - - - - -	20.5	2	0.07	26.32
PARACALANUS CRASSIROSTRIS AF - - - - -	20.5	2	0.07	26.32
LABIDOCERA SP - - - - -	20.5	2	0.07	26.32
ANTHOZOA LARVAE - - - - -	20.5	2	0.07	26.32
EUTERPINA SP - - - - -	25.0	1	0.03	13.16
ECTOPROCT LARVAE - - - - -	25.0	1	0.03	13.16
PSEUDOCALANUS SP AM - - - - -	25.0	1	0.03	13.16
TOTALS	26	2998	100	39447.36

- DATA NOT TAKEN

STATION 8	SERIES 1	CAST 6	DATE 6 AUG 77	LATITUDE 40 46.4 N	LONGITUDE 72 28.7 W
	START TIME 1200	FINISH TIME 1256	SONIC DEPTH 28	NET MESH 73	
SAMPLE DEPTH 5.0	SAMPLE TIME 1209	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 033

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS - - - - -	1.0	880	61.50	23157.89
COPEPOD NAUPLII - - - - -	2.0	230	16.07	6052.63
CENTROPAGES TYPICUS C - - - - -	3.0	93	6.50	2447.37
BIVALVE LARVAE - - - - -	4.0	80	5.59	2105.26
PLUTEI - - - - -	5.0	59	4.12	1552.63
ACARTIA TONSA - - - - -	6.0	31	2.17	815.79
PSEUDOCALANUS SP C - - - - -	7.0	9	0.63	236.84
PTEROPODS - - - - -	8.0	6	0.42	157.89
PARACALANUS PARVUS C - - - - -	10.0	5	0.35	131.58
PENILIA - - - - -	10.0	5	0.35	131.58
EVADNE SPP - - - - -	10.0	5	0.35	131.58
COPEPODIDS UNID - - - - -	12.5	4	0.28	105.26
ACARTIA SPP C - - - - -	12.5	4	0.28	105.26
CENTROPAGES TYPICUS AM - - - - -	15.0	3	0.21	78.95
PARACALANUS CRASSIROSTRIS C - - - - -	15.0	3	0.21	78.95
ECTOPROCT LARVAE - - - - -	15.0	3	0.21	78.95
PARACALANUS CRASSIROSTRIS AF - - - - -	17.5	2	0.14	52.63
PARACALANUS CRASSIROSTRIS AM - - - - -	17.5	2	0.14	52.63
CENTROPAGES HAMATUS - - - - -	22.0	1	0.07	26.32
TEMORA LONGICORNIS C - - - - -	22.0	1	0.07	26.32
DOLIOLIDS - - - - -	22.0	1	0.07	26.32
PARACALANUS PARVUS AM - - - - -	22.0	1	0.07	26.32
PARACALANUS PARVUS AF - - - - -	22.0	1	0.07	26.32
PSEUDOCALANUS SP AF - - - - -	22.0	1	0.07	26.32
ANTHOZOA LARVAE - - - - -	22.0	1	0.07	26.32
TOTALS	25	1431	100	37657.90

- DATA NOT TAKEN

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
8	1	6	6 AUG 77	40 46.4 N	72 28.7 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	1200	1256	28	73	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
10.0	1219	3.80	0.0172	0.0654	034

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1590	50.00	24326.80
COPEPOD NAUPLII	2.0	1050	33.02	16064.87
BIVALVE LARVAE	3.0	232	7.30	3549.57
CENTROPAGES TYPICUS C	4.0	145	4.56	2218.48
PTEROPODS	5.0	38	1.19	581.40
PSEUDOCALANUS SP C	6.0	35	1.10	535.50
MICROSETELLA NORVEGICA	7.5	12	0.38	183.60
PARACALANUS PARVUS C	7.5	12	0.38	183.60
ACARTIA TONSA	9.0	10	0.31	153.00
ECTOPROCT LARVAE	10.0	9	0.28	137.70
CENTROPAGES TYPICUS AM	12.0	5	0.16	76.50
EVADNE SPP	12.0	5	0.16	76.50
TEMORA LONGICORNIS C	12.0	5	0.16	76.50
COPEPODIDS UNID	14.5	4	0.13	61.20
PARACALANUS PARVUS AF	14.5	4	0.13	61.20
LARVACEAN	17.0	3	0.09	45.90
TEMORA LONGICORNIS AF	17.0	3	0.09	45.90
CENTROPAGES HAMATUS	17.0	3	0.09	45.90
PLUTEI	21.0	2	0.06	30.60
CENTROPAGES TYPICUS AF	21.0	2	0.06	30.60
TEMORA LONGICORNIS AM	21.0	2	0.06	30.60
PSEUDOCALANUS SP AF	21.0	2	0.06	30.60
PARACALANUS CRASSIROSTRIS AF	21.0	2	0.06	30.60
PARACALANUS CRASSIROSTRIS AM	26.0	1	0.03	15.30
POLYCHAETE LARVAE	26.0	1	0.03	15.30
PSEUDOCALANUS SP AM	26.0	1	0.03	15.30
PARACALANUS CRASSIROSTRIS C	26.0	1	0.03	15.30
ACARTIA SPP C	26.0	1	0.03	15.30
TOTALS	28	3180	100	48653.62

- DATA NOT TAKEN

STATION 8	SERIES 1	CAST 6	DATE 6 AUG 77	LATITUDE 40 46.4 N	LONGITUDE 72 28.7 W
	START TIME 1200	FINISH TIME 1256	SONIC DEPTH 28	NET MESH 73	
SAMPLE DEPTH 15.0	SAMPLE TIME 1229	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0167	VOLUME COUNT 0.0635	SAMPLE NUMBER 035

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1340	54.76	21115.66
COPEPOD NAUPLII	2.0	730	29.83	11503.31
BIVALVE LARVAE	3.0	135	5.52	2127.32
CENTROPAGES TYPICUS C	4.0	75	3.06	1181.85
COPEPODIDS UNID	5.0	52	2.13	819.41
ECTOPROCT LARVAE	6.0	41	1.68	646.08
TEMORA LONGICORNIS C	7.5	12	0.49	189.10
PTEROPODS	7.5	12	0.49	189.10
PARACALANUS PARVUS C	9.0	9	0.37	141.82
PSEUDOCALANUS SP C	10.0	8	0.33	126.06
CENTROPAGES HAMATUS	11.0	7	0.29	110.31
PARACALANUS PARVUS AF	12.0	4	0.16	63.03
EVADNE SPP	13.5	3	0.12	47.27
POLYCHAETE LARVAE	13.5	3	0.12	47.27
LARVACEAN	17.0	2	0.08	31.52
PLUTEI	17.0	2	0.08	31.52
TEMORA LONGICORNIS AF	17.0	2	0.08	31.52
ACARTIA TONSA	17.0	2	0.08	31.52
PARACALANUS CRASSIROSTRIS C	17.0	2	0.08	31.52
MICROSETELLA NORVEGICA	22.5	1	0.04	15.76
PARACALANUS CRASSIROSTRIS AM	22.5	1	0.04	15.76
ACARTIA SPP C	22.5	1	0.04	15.76
CENTROPAGES TYPICUS AF	22.5	1	0.04	15.76
TORTANUS DISCAUDATUS	22.5	1	0.04	15.76
ONCAEA SPP	22.5	1	0.04	15.76
TOTALS	25	2447	100	38559.72

- DATA NOT TAKEN

STATION 8	SERIES 1	CAST 6	DATE 6 AUG 77	LATITUDE 40 46.4 N	LONGITUDE 72 28.7 W
	START TIME 1200	FINISH TIME 1256	SONIC DEPTH 28	NET MESH 73	
SAMPLE DEPTH 20.0	SAMPLE TIME 1240	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0167	VOLUME COUNT 0.0635	SAMPLE NUMBER 036

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1400	66.23	22061.14
COPEPOD NAUPLII	2.0	405	19.16	6381.97
PSEUDOCALANUS SP C	3.0	58	2.74	913.96
BIVALVE LARVAE	4.0	53	2.51	835.17
COPEPODIDS UNID	5.0	43	2.03	677.59
ECTOPROCT LARVAE	6.0	35	1.66	551.53
TEMORA LONGICORNIS C	7.0	25	1.18	393.95
CENTROPAGES TYPICUS C	8.0	15	0.71	236.37
POLYCHAETE LARVAE	9.0	12	0.57	189.10
PTEROPODS	10.0	11	0.52	173.34
TEMORA LONGICORNIS AM	11.0	10	0.47	157.58
ACARTIA TONSA	12.0	8	0.38	126.06
PARACALANUS PARVUS C	13.5	6	0.28	94.55
TEMORA LONGICORNIS AF	13.5	6	0.28	94.55
MICROSETELLA NORVEGICA	15.0	5	0.24	78.79
PARACALANUS PARVUS AF	16.0	4	0.19	63.03
LARVACEAN	18.0	3	0.14	47.27
ACARTIA SPP C	18.0	3	0.14	47.27
CENTROPAGES HAMATUS	18.0	3	0.14	47.27
PSEUDOCALANUS SP AM	20.5	2	0.09	31.52
PSEUDOCALANUS SP AF	20.5	2	0.09	31.52
CALANUS SPP C	24.0	1	0.05	15.76
EURYTEMORA SP	24.0	1	0.05	15.76
PARACALANUS PARVUS AM	24.0	1	0.05	15.76
POLYCHAETE LAR EAR	24.0	1	0.05	15.76
TORTANUS DISCAUDATUS	24.0	1	0.05	15.76
TOTALS	26	2114	100	33312.32

- DATA NOT TAKEN

STATION 8	SERIES 1	CAST 6	DATE 6 AUG 77	LATITUDE 40 46.4 N	LONGITUDE 72 28.7 W
	START TIME 1200	FINISH TIME 1256	SONIC DEPTH 28	NET MESH 73	
SAMPLE DEPTH 25.0	SAMPLE TIME 1251	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0250	VOLUME COUNT 0.0950	SAMPLE NUMBER 037

SPECIES	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	570	31.93	6000.00
COPEPOD NAUPLII	2.0	440	24.65	4631.58
PSEUDOCALANUS SP C	3.0	218	12.21	2294.74
COPEPODIDS UNID	4.0	202	11.32	2126.32
BIVALVE LARVAE	5.0	84	4.71	884.21
TEMORA LONGICORNIS C	6.0	40	2.24	421.05
PTEROPODS	7.0	39	2.18	410.53
PSEUDOCALANUS SP AF	8.0	28	1.57	294.74
POLYCHAETE LARVAE	9.0	24	1.34	252.63
TEMORA LONGICORNIS AM	10.0	20	1.12	210.53
CENTROPAGES HAMATUS	11.5	19	1.06	200.00
MICROSETELLA NORVEGICA	11.5	19	1.06	200.00
CENTROPAGES TYPICUS C	13.0	17	0.95	178.95
ACARTIA SPP C	14.0	14	0.78	147.37
TEMORA LONGICORNIS AF	15.0	13	0.73	136.84
PSEUDOCALANUS SP AM	16.0	11	0.62	115.79
ACARTIA TONSA	17.0	10	0.56	105.26
PARACALANUS PARVUS AF	18.0	4	0.22	42.11
PARACALANUS PARVUS C	19.0	3	0.17	31.58
CENTROPAGES TYPICUS AM	21.0	2	0.11	21.05
TORTANUS DISCAUDATUS	21.0	2	0.11	21.05
DECAPOD LARVAE	21.0	2	0.11	21.05
ECTOPROCT LARVAE	24.5	1	0.06	10.53
ONCAEA SPP	24.5	1	0.06	10.53
BARNACLE NAUPLII	24.5	1	0.06	10.53
CALANUS SPP C	24.5	1	0.06	10.53
TOTALS	26	1785	100	18789.47

- DATA NOT TAKEN

STATION 9	SERIES 1	CAST 7	DATE 6 AUG 77	LATITUDE 40 46.2 N	LONGITUDE 72 29.8 W
	START TIME 1600	FINISH TIME 1651	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 1600	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0500	VOLUME COUNT 0.1900	SAMPLE NUMBER 038

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS - - - - -	1.0	2480	74.61	13052.63
CENTROPAGES TYPICUS C - - - - -	2.0	210	6.32	1105.26
BIVALVE LARVAE - - - - -	3.0	188	5.66	989.47
COPEPOD NAUPLII - - - - -	4.0	105	3.16	552.63
COPEPODIDS UNID - - - - -	5.0	54	1.62	284.21
PARACALANUS PARVUS C - - - - -	6.0	51	1.53	268.42
PTEROPODS - - - - -	7.0	50	1.50	263.16
CENTROPAGES TYPICUS AF - - - - -	8.5	29	0.87	152.63
ACARTIA TONSA - - - - -	8.5	29	0.87	152.63
EVAONE SPP - - - - -	10.0	25	0.75	131.58
CENTROPAGES TYPICUS AM - - - - -	11.0	22	0.66	115.79
PARACALANUS CRASSIROSTRIS AF - - - - -	12.0	17	0.51	89.47
LARVACEAN - - - - -	13.0	15	0.45	78.95
CENTROPAGES HAMATUS - - - - -	14.0	12	0.36	63.16
PENILIA - - - - -	15.0	10	0.30	52.63
PARACALANUS CRASSIROSTRIS C - - - - -	16.0	8	0.24	42.11
PARACALANUS PARVUS AF - - - - -	17.0	6	0.18	31.58
ECTOPROCT LARVAE - - - - -	18.0	4	0.12	21.05
PLUTEI - - - - -	20.0	2	0.06	10.53
ACARTIA SPP C - - - - -	20.0	2	0.06	10.53
POLYCHAETE LARVAE - - - - -	20.0	2	0.06	10.53
POLYCHAETE LAR EAR - - - - -	23.0	1	0.03	5.26
PODON SPP - - - - -	23.0	1	0.03	5.26
EURYTEMORA SP - - - - -	23.0	1	0.03	5.26
TOTALS	24	3324	100	17494.73

- DATA NOT TAKEN

STATION 9	SERIES 1	CAST 7	DATE 6 AUG 77	LATITUDE 40 46.2 N	LONGITUDE 72 29.8 W
	START TIME 1600	FINISH TIME 1651	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 1605	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0500	VOLUME COUNT 0.1900	SAMPLE NUMBER 039

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	2900	73.66	15263.16
BIVALVE LARVAE	2.0	530	13.46	2789.47
COPEPOD NAUPLII	3.0	285	7.24	1500.00
PTEROPODS	4.5	44	1.12	231.58
ACARTIA TONSA	4.5	44	1.12	231.58
LARVACEAN	6.0	32	0.81	168.42
CENTROPAGES TYPICUS C	7.0	30	0.76	157.89
COPEPODIDS UNID	8.0	20	0.51	105.26
PENILIA	9.0	15	0.38	78.95
PLUTEI	10.0	14	0.36	73.68
EVADNE SPP	11.0	11	0.28	57.89
ECTOPROCT LARVAE	12.0	5	0.13	26.32
CENTROPAGES TYPICUS AF	13.0	3	0.08	15.79
CENTROPAGES TYPICUS AM	15.5	1	0.03	5.26
PSEUDOCALANUS SP C	15.5	1	0.03	5.26
ACARTIA SPP C	15.5	1	0.03	5.26
POLYCHAETE LARVAE	15.5	1	0.03	5.26
TOTALS	17	3937	100	20721.05

- DATA NOT TAKEN

STATION 9	SERIES 1	CAST 7	DATE 6 AUG 77	LATITUDE 40 46.2 N	LONGITUDE 72 29.8 W
	START TIME 1600	FINISH TIME 1651	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 1615	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0417	VOLUME COUNT 0.1585	SAMPLE NUMBER 040

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	2130	48.05	13441.88
COPEPOD NAUPLII	2.0	1115	25.15	7036.48
CENTROPAGES TYPICUS C	3.0	370	8.35	2334.97
COPEPODIDS UNID	4.0	320	7.22	2019.44
BIVALVE LARVAE	5.0	272	6.14	1716.52
PARACALANUS PARVUS C	6.0	60	1.35	378.64
PSEUDOCALANUS SP C	7.0	40	0.90	252.43
ACARTIA TONSA	8.0	29	0.65	183.01
PTEROPODS	9.0	18	0.41	113.59
PSEUDOCALANUS SP AF	10.0	14	0.32	88.35
LARVACEAN	11.0	13	0.29	82.04
PLUTEI	12.0	9	0.20	56.80
EVADNE SPP	13.5	6	0.14	37.86
CENTROPAGES TYPICUS AM	13.5	6	0.14	37.86
ECTOPROCT. LARVAE	15.0	5	0.11	31.55
ACARTIA SPP C	17.0	4	0.09	25.24
CENTROPAGES HAMATUS	17.0	4	0.09	25.24
CENTROPAGES TYPICUS AF	17.0	4	0.09	25.24
TEMORA LONGICORNIS C	19.5	3	0.07	18.93
PENILIA	19.5	3	0.07	18.93
DECAPOD LARVAE	21.0	2	0.05	12.62
MICROSETELLA NORVEGICA	24.5	1	0.02	6.31
PARACALANUS CRASSIROSTRIS C	24.5	1	0.02	6.31
PARACALANUS CRASSIROSTRIS AF	24.5	1	0.02	6.31
POLYCHAETE LARVAE	24.5	1	0.02	6.31
PODON SPP	24.5	1	0.02	6.31
TEMORA LONGICORNIS AF	24.5	1	0.02	6.31
TOTALS	27	4433	100	27975.51
- DATA NOT TAKEN				

STATION 9	SERIES 1	CAST 7	DATE 6 AUG 77	LATITUDE 40 46.2 N	LONGITUDE 72 29.8 W
	START TIME 1600	FINISH TIME 1651	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 1625	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0417	VOLUME COUNT 0.1585	SAMPLE NUMBER 041

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	2785	60.45	17575.41
COPEPOD NAUPLII	2.0	870	18.88	5490.34
BIVALVE LARVAE	3.0	320	6.95	2019.44
CENTROPAGES TYPICUS C	4.0	265	5.75	1672.35
COPEPODIDS UNID	5.0	68	1.48	429.13
PSEUDOCALANUS SP C	6.0	58	1.26	366.02
ACARTIA TONSA	7.0	52	1.13	328.16
ECTOPROCT LARVAE	8.0	48	1.04	302.92
PARACALANUS PARVUS C	9.0	46	1.00	290.29
PTEROPODS	10.0	31	0.67	195.63
TEMORA LONGICORNIS C	11.0	14	0.30	88.35
CENTROPAGES HAMATUS	12.0	11	0.24	69.42
LARVACEAN	13.0	8	0.17	50.49
CENTROPAGES TYPICUS AM	14.5	7	0.15	44.18
PSEUDOCALANUS SP AF	14.5	7	0.15	44.18
PARACALANUS PARVUS AM	16.0	4	0.09	25.24
PARACALANUS PARVUS AF	17.5	3	0.07	18.93
EVADNE SPP	17.5	3	0.07	18.93
CENTROPAGES TYPICUS AF	19.0	2	0.04	12.62
PSEUDOCALANUS SP AM	22.0	1	0.02	6.31
PLUTEI	22.0	1	0.02	6.31
PARACALANUS CRASSIROSTRIS C	22.0	1	0.02	6.31
TEMORA LONGICORNIS AF	22.0	1	0.02	6.31
CALANUS SPP C	22.0	1	0.02	6.31
TOTALS	24	4607	100	29073.58

- DATA NOT TAKEN

STATION 9	SERIES 1	CAST 7	DATE 6 AUG 77	LATITUDE 40 46.2 N	LONGITUDE 72 29.8 W
	START TIME 1600	FINISH TIME 1651	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 1635	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0278	VOLUME COUNT 0.1056	SAMPLE NUMBER 042

S P E C I E S	RANK	COUNTS	%	NO./M3
CENTROPAGES TYPICUS C	1.0	2345	72.51	22198.03
COPEPOD NAUPLII	2.0	585	18.09	5537.67
BIVALVE LARVAE	3.0	76	2.35	719.42
PSEUDOCALANUS SP C	4.0	39	1.21	369.18
POLYCHAETE LARVAE	5.0	35	1.08	331.31
COPEPODIDS UNID	6.0	34	1.05	321.85
MICROSETELLA NORVEGICA	7.0	20	0.62	189.32
ECTOPROCT LARVAE	8.0	17	0.53	160.92
TEMORA LONGICORNIS C	9.5	13	0.40	123.06
PTEROPODS	9.5	13	0.40	123.06
LARVACEAN	11.5	9	0.28	85.19
CENTROPAGES HAMATUS	11.5	9	0.28	85.19
PARACALANUS PARVUS C	13.0	8	0.25	75.73
ACARTIA TONSA	14.0	7	0.22	66.26
CENTROPAGES TYPICUS AF	15.0	5	0.15	47.33
PSEUDOCALANUS SP AF	16.0	4	0.12	37.86
CENTROPAGES TYPICUS AM	18.0	3	0.09	28.40
POLYCHAETE LAR EAR	18.0	3	0.09	28.40
CALANUS SPP C	18.0	3	0.09	28.40
ONCAEA SPP	22.5	1	0.03	9.47
TEMORA LONGICORNIS AF	22.5	1	0.03	9.47
PARACALANUS PARVUS AF	22.5	1	0.03	9.47
PSEUDOCALANUS SP AM	22.5	1	0.03	9.47
OITHONA ATLANTICA	22.5	1	0.03	9.47
ACARTIA SPP C	22.5	1	0.03	9.47
TOTALS	25	3234	100	30613.41

- DATA NOT TAKEN

STATION 9	SERIES 1	CAST 7	DATE 6 AUG 77	LATITUDE 40 46.2 N	LONGITUDE 72 29.8 W
	START TIME 1600	FINISH TIME 1651	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 25.0	SAMPLE TIME 1645	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0294	VOLUME COUNT 0.1117	SAMPLE NUMBER 043

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS - - - - -	1.0	1290	58.24	11546.72
COPEPOD NAUPLII - - - - -	2.0	270	12.19	2416.76
CENTROPAGES TYPICUS C - - - - -	3.0	113	5.10	1011.46
PSEUDOCALANUS SP C - - - - -	4.0	112	5.06	1002.51
TEMORA LONGICORNIS C - - - - -	5.0	97	4.38	868.24
BIVALVE LARVAE - - - - -	6.0	64	2.89	572.86
COPEPODIDS UNID - - - - -	7.0	60	2.71	537.06
TEMORA LONGICORNIS AM - - - - -	8.0	48	2.17	429.65
CENTROPAGES HAMATUS - - - - -	9.0	25	1.13	223.77
PSEUDOCALANUS SP AF - - - - -	10.0	24	1.08	214.82
POLYCHAETE LARVAE - - - - -	11.0	17	0.77	152.17
PTEROPODS - - - - -	12.0	16	0.72	143.22
ACARTIA TONSA - - - - -	13.0	15	0.68	134.26
TEMORA LONGICORNIS AF - - - - -	14.0	12	0.54	107.41
MICROSETELLA NORVEGICA - - - - -	15.0	11	0.50	98.46
ECTOPROCT LARVAE - - - - -	16.5	9	0.41	80.56
CENTROPAGES TYPICUS AM - - - - -	16.5	9	0.41	80.56
PARACALANUS PARVUS C - - - - -	18.0	6	0.27	53.71
CENTROPAGES TYPICUS AF - - - - -	19.0	5	0.23	44.75
CALANUS SPP C - - - - -	21.0	3	0.14	26.85
LARVACEAN - - - - -	21.0	3	0.14	26.85
PSEUDOCALANUS SP AM - - - - -	21.0	3	0.14	26.85
BARNACLE NAUPLII - - - - -	24.0	1	0.05	8.95
EURYTEMOPA SP - - - - -	24.0	1	0.05	8.95
PARACALANUS PARVUS AF - - - - -	24.0	1	0.05	8.95
TOTALS	25	2215	100	19826.35

- DATA NOT TAKEN

STATION 10	SERIES 1	CAST 8	DATE 6 AUG 77	LATITUDE 40 46.0 N	LONGITUDE 72 29.9 W
	START TIME 2005	FINISH TIME 2055	SONIC DEPTH 27	NET MESH 73	
SAMPLE DEPTH 1.0	SAMPLE TIME 2005	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0333	VOLUME COUNT 0.1265	SAMPLE NUMBER 044

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1130	61.05	8929.98
BIVALVE LARVAE	2.0	255	13.78	2015.17
COPEPOD NAUPLII	3.0	220	11.89	1738.58
CENTROPAGES TYPICUS C	4.0	41	2.22	324.01
COPEPODIDS UNID	5.0	39	2.11	308.20
PARACALANUS PARVUS C	6.0	33	1.78	260.79
PLUTEI	7.0	27	1.46	213.37
ACARTIA TONSA	8.0	26	1.40	205.47
ACARTIA SPP C	9.0	18	0.97	142.25
PTEROPODS	10.0	17	0.92	134.34
PARACALANUS CRASSIROSTRIS C	11.0	13	0.70	102.73
PARACALANUS PARVUS AF	12.0	9	0.49	71.12
CENTROPAGES HAMATUS	13.5	5	0.27	39.51
PENILIA	13.5	5	0.27	39.51
PARACALANUS CRASSIROSTRIS AM	16.5	2	0.11	15.81
LARVACEAN	16.5	2	0.11	15.81
EVADNE SPP	16.5	2	0.11	15.81
ECTOPROCT LARVAE	16.5	2	0.11	15.81
PSEUDOCALANUS SP C	21.0	1	0.05	7.90
MICROSETELLA NORVEGICA	21.0	1	0.05	7.90
ONCAEA SPP	21.0	1	0.05	7.90
PARACALANUS CRASSIROSTRIS AF	21.0	1	0.05	7.90
GASTROPOD LARVAE	21.0	1	0.05	7.90
TOTALS	23	1851	100	14627.79
- DATA NOT TAKEN				

STATION 10	SERIES 1	CAST 8	DATE 6 AUG 77	LATITUDE 40 46.0 N	LONGITUDE 72 29.9 W
	START TIME 2005	FINISH TIME 2055	SONIC DEPTH 27	NET MESH 73	
SAMPLE DEPTH 5.0	SAMPLE TIME 2012	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0333	VOLUME COUNT 0.1265	SAMPLE NUMBER 045

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1585	65.99	12525.68
COPEPOD NAUPLII	2.0	320	13.32	2528.84
BIVALVE LARVAE	3.0	215	8.95	1699.07
CENTROPAGES TYPICUS C	4.0	75	3.12	592.70
COPEPODIDS UNID	5.0	38	1.58	300.30
ACARTIA TONSA	6.0	33	1.37	260.79
PARACALANUS PARVUS C	7.0	29	1.21	229.18
ACARTIA SPP C	8.0	24	1.00	189.66
PLUTEI	9.0	23	0.96	181.76
CENTROPAGES HAMATUS	10.0	10	0.42	79.03
ECTOPROCT LARVAE	11.0	8	0.33	63.22
PENILIA	12.5	7	0.29	55.32
PARACALANUS CRASSIROSTRIS C	12.5	7	0.29	55.32
EVADNE SPP	14.0	6	0.25	47.42
PARACALANUS PARVUS AF	15.5	5	0.21	39.51
PARACALANUS CRASSIROSTRIS AF	15.5	5	0.21	39.51
PTEROPODS	17.5	4	0.17	31.61
ANTHOZOA LARVAE	17.5	4	0.17	31.61
POLYCHAETE LARVAE	20.5	1	0.04	7.90
GASTROPOD LARVAE	20.5	1	0.04	7.90
MICROSETELLA NORVEGICA	20.5	1	0.04	7.90
POLYCHAETE LAR EAR	20.5	1	0.04	7.90
TOTALS	22	2402	100	18982.14

- DATA NOT TAKEN

STATION 10	SERIES 1	CAST 8	DATE 6 AUG 77	LATITUDE 40 46.0 N	LONGITUDE 72 29.9 W
	START TIME 2005	FINISH TIME 2055	SONIC DEPTH 27	NET MESH 73	
SAMPLE DEPTH 10.0	SAMPLE TIME 2022	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0250	VOLUME COUNT 0.0950	SAMPLE NUMBER 046

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS - - - - -	1.0	1230	58.57	12947.37
COPEPOD NAUPLII - - - - -	2.0	395	18.81	4157.89
CENTROPAGES TYPICUS C - - - - -	3.0	170	8.10	1789.47
BIVALVE LARVAE - - - - -	4.0	113	5.38	1189.47
COPEPODIDS UNID - - - - -	5.0	48	2.29	505.26
PTEROPODS - - - - -	6.0	24	1.14	252.63
PARACALANUS PARVUS C - - - - -	7.5	18	0.86	189.47
ECTOPROCT LARVAE - - - - -	7.5	18	0.86	189.47
ACARTIA SPP C - - - - -	9.0	16	0.76	168.42
ACARTIA TONSA - - - - -	10.0	15	0.71	157.89
EVAONE SPP - - - - -	11.0	9	0.43	94.74
CENTROPAGES HAMATUS - - - - -	12.0	6	0.29	63.16
PSEUDOCALANUS SP C - - - - -	14.0	4	0.19	42.11
PARACALANUS CRASSIROSTRIS C - - - - -	14.0	4	0.19	42.11
TEMORA LONGICORNIS C - - - - -	14.0	4	0.19	42.11
PSEUDOCALANUS SP AF - - - - -	17.0	3	0.14	31.58
PARACALANUS PARVUS AM - - - - -	17.0	3	0.14	31.58
CENTROPAGES TYPICUS AF - - - - -	17.0	3	0.14	31.58
LARVACEAN - - - - -	20.5	2	0.10	21.05
PARACALANUS PARVUS AF - - - - -	20.5	2	0.10	21.05
PARACALANUS CRASSIROSTRIS AM - - - - -	20.5	2	0.10	21.05
POLYCHAETE LAR EAR - - - - -	20.5	2	0.10	21.05
TEMORA LONGICORNIS AM - - - - -	27.0	1	0.05	10.53
MICROSETELLA NORVEGICA - - - - -	27.0	1	0.05	10.53
PLUTEI - - - - -	27.0	1	0.05	10.53
CENTROPAGES TYPICUS AM - - - - -	27.0	1	0.05	10.53
PARACALANUS CRASSIROSTRIS AF - - - - -	27.0	1	0.05	10.53
GASTROPOD LARVAE - - - - -	27.0	1	0.05	10.53
PSEUDOCALANUS SP AM - - - - -	27.0	1	0.05	10.53
ANTHOZOA LARVAE - - - - -	27.0	1	0.05	10.53
DECAPOD LARVAE - - - - -	27.0	1	0.05	10.53
TOTALS	31	2100	100	22105.25
- DATA NOT TAKEN				

STATION 10	SERIES 1	CAST 8	DATE 6 AUG 77	LATITUDE 40 46.0 N	LONGITUDE 72 29.9 W
	START TIME 2005	FINISH TIME 2055	SONIC DEPTH 27	NET MESH 73	
SAMPLE DEPTH 15.0	SAMPLE TIME 2032	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0200	VOLUME COUNT 0.0760	SAMPLE NUMBER 047

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1605	57.78	21118.42
COPEPOD NAUPLII	2.0	670	24.12	8815.79
CENTROPAGES TYPICUS C	3.0	102	3.67	1342.11
COPEPODIDS UNID	4.0	96	3.46	1263.16
BIVALVE LARVAE	5.0	93	3.35	1223.68
ECTOPROCT LARVAE	6.0	48	1.73	631.58
PTEROPODS	7.0	41	1.48	539.47
PSEUDOCALANUS SP C	8.0	28	1.01	368.42
TEMORA LONGICORNIS C	9.0	22	0.79	289.47
MICROSETELLA NORVEGICA	10.0	11	0.40	144.74
CENTROPAGES TYPICUS AM	12.0	9	0.32	118.42
PSEUDOCALANUS SP AF	12.0	9	0.32	118.42
ACARTIA TONSA	12.0	9	0.32	118.42
ACARTIA SPP C	14.5	7	0.25	92.11
CENTROPAGES HAMATUS	14.5	7	0.25	92.11
POLYCHAETE LARVAE	16.0	4	0.14	52.63
PARACALANUS CRASSIROSTRIS C	17.5	3	0.11	39.47
ANTHOZOA LARVAE	17.5	3	0.11	39.47
PSEUDOCALANUS SP AM	20.0	2	0.07	26.32
POLYCHAETE LAR EAR	20.0	2	0.07	26.32
TEMORA LONGICORNIS AM	20.0	2	0.07	26.32
EVADNE SPP	24.0	1	0.04	13.16
PARACALANUS CRASSIROSTRIS AM	24.0	1	0.04	13.16
PARACALANUS CRASSIROSTRIS AF	24.0	1	0.04	13.16
TEMORA LONGICORNIS AF	24.0	1	0.04	13.16
LARVACEAN	24.0	1	0.04	13.16
TOTALS	26	2778	100	36552.63

- DATA NOT TAKEN

STATION 10	SERIES 1	CAST 8	DATE 6 AUG 77	LATITUDE 40 46.0 N	LONGITUDE 72 29.9 W
	START TIME 2005	FINISH TIME 2055	SONIC DEPTH 27	NET MESH 73	
SAMPLE DEPTH 20.0	SAMPLE TIME 2040	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0154	VOLUME COUNT 0.0585	SAMPLE NUMBER 048

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1287	58.98	21992.48
COPEPOD NAUPLII	2.0	570	26.12	9740.26
BIVALVE LARVAE	3.0	80	3.67	1367.05
PSEUDOCALANUS SP C	4.0	34	1.56	581.00
PTEROPODS	6.0	31	1.42	529.73
COPEPODIDS UNID	6.0	31	1.42	529.73
ECTOPROCT LARVAE	6.0	31	1.42	529.73
MICROSETELLA NORVEGICA	8.0	23	1.05	393.03
CENTROPAGES TYPICUS.C	9.0	20	0.92	341.76
PSEUDOCALANUS SP AF	10.0	13	0.60	222.15
TEMORA LONGICORNIS C	11.0	10	0.46	170.88
ACARTIA TONSA	12.5	7	0.32	119.62
CENTROPAGES HAMATUS	12.5	7	0.32	119.62
TEMORA LONGICORNIS AM	14.0	6	0.27	102.53
PARACALANUS PARVUS C	15.0	5	0.23	85.44
TEMORA LONGICORNIS AF	16.5	4	0.18	68.35
POLYCHAETE LARVAE	16.5	4	0.18	68.35
EVADNE SPP	19.5	3	0.14	51.26
PARACALANUS PARVUS AF	19.5	3	0.14	51.26
LARVACEAN	19.5	3	0.14	51.26
BARNACLE NAUPLII	19.5	3	0.14	51.26
ACARTIA SPP C	22.5	2	0.09	34.18
PARACALANUS PARVUS AM	22.5	2	0.09	34.18
PSEUDOCALANUS SP AM	25.0	1	0.05	17.09
CLYTEMNESTRA SPP	25.0	1	0.05	17.09
PARACALANUS CRASSIROSTRIS C	25.0	1	0.05	17.09
TOTALS	26	2182	100	37286.40

- DATA NOT TAKEN

STATION 10	SERIES 1	CAST 8	DATE 6 AUG 77	LATITUDE 40 46.0 N	LONGITUDE 72 29.9 W
	START TIME 2005	FINISH TIME 2055	SONIC DEPTH 27	NET MESH 73	
SAMPLE DEPTH 25.0	SAMPLE TIME 2050	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0167	VOLUME COUNT 0.0635	SAMPLE NUMBER 049

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1215	53.52	19145.92
COPEPOD NAUPLII	2.0	460	20.26	7248.66
PSEUDOCALANUS SP C	3.0	135	5.95	2127.32
COPEPODIDS UNID	4.0	95	4.19	1497.01
TEMORA LONGICORNIS C	5.0	62	2.73	976.99
CENTROPAGES HAMATUS	6.5	52	2.29	819.41
BIVALVE LARVAE	6.5	52	2.29	819.41
MICROSETELLA NORVEGICA	8.0	41	1.81	646.08
TEMORA LONGICORNIS AM	9.5	25	1.10	393.95
ECTOPROCT LARVAE	9.5	25	1.10	393.95
CENTROPAGES TYPICUS C	11.0	24	1.06	378.19
PSEUDOCALANUS SP AF	12.0	22	0.97	346.68
PSEUDOCALANUS SP AM	13.0	16	0.70	252.13
TEMORA LONGICORNIS AF	14.0	11	0.48	173.34
PTEROPODS	15.0	10	0.44	157.58
ACARTIA TONSA	16.0	9	0.40	141.82
ACARTIA SPP C	17.0	6	0.26	94.55
POLYCHAETE LARVAE	18.0	5	0.22	78.79
PARACALANUS PARVUS C	21.0	1	0.04	15.76
TORTANUS DISCAUDATUS	21.0	1	0.04	15.76
PARACALANUS CRASSIROSTRIS AF	21.0	1	0.04	15.76
GAMMARIDS	21.0	1	0.04	15.76
POLYCHAETE LAR EAR	21.0	1	0.04	15.76
TOTALS	23	2270	100	35770.56

- DATA NOT TAKEN

STATION 11	SERIES 1	CAST 9	DATE 7 AUG 77	LATITUDE 40 46.2 N	LONGITUDE 72 29.9 W
	START TIME 0000	FINISH TIME 0052	SONIC DEPTH 28	NET MESH 73	
SAMPLE DEPTH 1.0	SAMPLE TIME 0000	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0286	VOLUME COUNT 0.1087	SAMPLE NUMBER 050

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1345	54.23	12375.78
COPEPOD NAUPLII	2.0	335	13.51	3082.44
CENTROPAGES TYPICUS C	3.0	245	9.88	2254.32
BIVALVE LARVAE	4.0	198	7.98	1821.86
COPEPODIDS UNID	5.0	64	2.58	588.88
PTEROPODS	6.0	61	2.46	561.28
PSEUDOCALANUS SP C	7.0	51	2.06	469.27
PARACALANUS PARVUS C	8.0	25	1.01	230.03
CENTROPAGES TYPICUS AM	9.0	23	0.93	211.63
PSEUDOCALANUS SP AF	10.0	21	0.85	193.23
PARACALANUS CRASSIROSTRIS C	11.5	13	0.52	119.62
ACARTIA SPP C	11.5	13	0.52	119.62
ACARTIA TONSA	13.0	12	0.48	110.42
PARACALANUS PARVUS AF	14.0	11	0.44	101.21
EVADNE SPP	15.0	10	0.40	92.01
PLUTEI	16.5	8	0.32	73.61
CENTROPAGES TYPICUS AF	16.5	8	0.32	73.61
ECTOPROCT LARVAE	18.0	7	0.28	64.41
MICROSETELLA NORVEGICA	19.0	5	0.20	46.01
PSEUDOCALANUS SP AM	20.5	4	0.16	36.81
PARACALANUS CRASSIROSTRIS AF	20.5	4	0.16	36.81
CENTROPAGES HAMATUS	22.5	3	0.12	27.60
PENILIA	22.5	3	0.12	27.60
PARACALANUS PARVUS AM	25.5	2	0.08	18.40
TEMORA LONGICORNIS AF	25.5	2	0.08	18.40
POLYCHAETE LARVAE	25.5	2	0.08	18.40
GASTROPOD LARVAE	25.5	2	0.08	18.40
TORTANUS DISCAUDATUS	29.0	1	0.04	9.20
CALANUS SPP C	29.0	1	0.04	9.20
CYCLOPOIDA	29.0	1	0.04	9.20
TOTALS	30	2480	100	22819.29

- DATA NOT TAKEN

STATION 11	SERIES 1	CAST 9	DATE 7 AUG 77	LATITUDE 40 46.2 N	LONGITUDE 72 29.9 W
	START TIME 0000	FINISH TIME 0052	SONIC DEPTH 28	NET MESH 73	
SAMPLE DEPTH 5.0	SAMPLE TIME	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0167	VOLUME COUNT 0.0635	SAMPLE NUMBER

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1170	57.41	18436.81
COPEPOD NAUPLII	2.0	355	17.42	5594.08
BIVALVE LARVAE	3.0	178	8.73	2804.92
CENTROPAGES TYPICUS C	4.0	122	5.99	1922.47
COPEPODIDS UNID	5.0	57	2.80	898.20
PTEROPODS	6.0	43	2.11	677.59
PSEUDOCALANUS SP C	7.0	23	1.13	362.43
CENTROPAGES TYPICUS AM	8.0	19	0.93	299.40
CENTROPAGES TYPICUS AF	9.5	10	0.49	157.58
PSEUDOCALANUS SP AF	9.5	10	0.49	157.58
EVADNE SPP	11.0	9	0.44	141.82
TEMORA LONGICORNIS C	13.0	5	0.25	78.79
PARACALANUS PARVUS AF	13.0	5	0.25	78.79
PARACALANUS PARVUS C	13.0	5	0.25	78.79
MICROSETELLA NORVEGICA	17.0	3	0.15	47.27
ACARTIA SPP C	17.0	3	0.15	47.27
PARACALANUS CRASSIROSTRIS AM	17.0	3	0.15	47.27
PLUTEI	17.0	3	0.15	47.27
PARACALANUS CRASSIROSTRIS C	17.0	3	0.15	47.27
PSEUDOCALANUS SP AM	21.5	2	0.10	31.52
PENILIA	21.5	2	0.10	31.52
ACARTIA TONSA	21.5	2	0.10	31.52
POLYCHAETE LARVAE	21.5	2	0.10	31.52
PARACALANUS CRASSIROSTRIS AF	25.5	1	0.05	15.76
TEMORA LONGICORNIS AM	25.5	1	0.05	15.76
GASTROPOD LARVAE	25.5	1	0.05	15.76
BARNACLE NAUPLII	25.5	1	0.05	15.76
TOTALS	27	2038	100	32114.71

- DATA NOT TAKEN

STATION 11	SERIES 1	CAST 9	DATE 7 AUG 77	LATITUDE 40 46.2 N	LONGITUDE 72 29.9 W
	START TIME 0000	FINISH TIME 0052	SONIC DEPTH 28	NET MESH 73	
SAMPLE DEPTH 10.0	SAMPLE TIME 0018	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0167	VOLUME COUNT 0.0635	SAMPLE NUMBER 052

SPECIES	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	685	40.48	10794.20
COPEPOD NAUPLII	2.0	425	25.12	6697.13
CENTROPAGES TYPICUS C	3.0	295	17.43	4648.60
COPEPODIDS UNID	4.0	69	4.08	1087.30
BIVALVE LARVAE	5.0	64	3.78	1008.51
CENTROPAGES TYPICUS AM	6.0	35	2.07	551.53
PSEUDOCALANUS SP C	7.0	23	1.36	362.43
PTEROPODS	8.0	16	0.95	252.13
ACARTIA SPP C	9.0	12	0.71	189.10
ACARTIA TONSA	10.5	9	0.53	141.82
CENTROPAGES TYPICUS AF	10.5	9	0.53	141.82
EVADNE SPP	12.0	8	0.47	126.06
MICROSETELLA NORVEGICA	13.5	6	0.35	94.55
PARACALANUS PARVUS C	13.5	6	0.35	94.55
CENTROPAGES HAMATUS	15.5	4	0.24	63.03
PSEUDOCALANUS SP AM	15.5	4	0.24	63.03
PARACALANUS PARVUS AM	17.5	3	0.18	47.27
POLYCHAETE LARVAE	17.5	3	0.18	47.27
PARACALANUS CRASSIROSTRIS AM	20.5	2	0.12	31.52
PARACALANUS PARVUS AF	20.5	2	0.12	31.52
ECTOPROCT LARVAE	20.5	2	0.12	31.52
TEMORA LONGICORNIS C	20.5	2	0.12	31.52
CALANUS SPP C	26.5	1	0.06	15.76
PARACALANUS CRASSIROSTRIS AF	26.5	1	0.06	15.76
TEMORA LONGICORNIS AM	26.5	1	0.06	15.76
LARVACEAN	26.5	1	0.06	15.76
TEMORA LONGICORNIS AF	26.5	1	0.06	15.76
PSEUDOCALANUS SP AF	26.5	1	0.06	15.76
PARACALANUS CRASSIROSTRIS C	26.5	1	0.06	15.76
FISH EGGS	26.5	1	0.06	15.76
TOTALS	30	1692	100	26662.46
- DATA NOT TAKEN				

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
11	1	9	7 AUG 77	40 46.2 N	72 29.9 W
	START TIME 0000	FINISH TIME 0052	SONIC DEPTH 28	NET MESH 73	
SAMPLE DEPTH 15.0	SAMPLE TIME 0027	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0105	VOLUME COUNT 0.0399	SAMPLE NUMBER 053

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	745	43.36	18671.68
COPEPOD NAUPLII	2.0	470	27.36	11779.45
PSEUDOCALANUS SP C	3.0	162	9.43	4060.15
CENTROPAGES TYPICUS C	4.0	122	7.10	3057.64
COPEPOIDS UNID	5.0	83	4.83	2080.20
BIVALVE LARVAE	6.0	30	1.75	751.88
PSEUDOCALANUS SP AF	7.0	24	1.40	601.50
MICROSETELLA NORVEGICA	8.0	15	0.87	375.94
CENTROPAGES HAMATUS	9.5	12	0.70	300.75
CENTROPAGES TYPICUS AM	9.5	12	0.70	300.75
PARACALANUS PARVUS C	11.0	8	0.47	200.50
CENTROPAGES TYPICUS AF	12.0	7	0.41	175.44
PTEROPODS	13.0	5	0.29	125.31
ACARTIA TONSA	14.0	4	0.23	100.25
ACARTIA SPP C	15.5	3	0.17	75.19
TEMORA LONGICORNIS AM	15.5	3	0.17	75.19
PARACALANUS PARVUS AM	18.5	2	0.12	50.13
PSEUDOCALANUS SP AM	18.5	2	0.12	50.13
TEMORA LONGICORNIS AF	18.5	2	0.12	50.13
PARACALANUS PARVUS AF	18.5	2	0.12	50.13
EURYTEMORA SP	23.0	1	0.06	25.06
PARACALANUS CRASSIROSTRIS AF	23.0	1	0.06	25.06
TEMORA LONGICORNIS C	23.0	1	0.06	25.06
LARVACEAN	23.0	1	0.06	25.06
POLYCHAETE LARVAE	23.0	1	0.06	25.06
TOTALS				43057.63

- DATA NOT TAKEN

STATION 11	SERIES 1	CAST 9	DATE 7 AUG 77	LATITUDE 40 46.2 N	LONGITUDE 72 29.9 W
	START TIME 0000	FINISH TIME 0052	SONIC DEPTH 28	NET MESH 73	
SAMPLE DEPTH 20.0	SAMPLE TIME 0037	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 054

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1130	45.58	29736.84
COPEPOD NAUPLII	2.0	485	19.56	12763.16
PSEUDOCALANUS SP C	3.0	395	15.93	10394.74
CENTROPAGES TYPICUS C	4.0	188	7.58	4947.37
COPEPODIDS UNID	5.0	97	3.91	2552.63
PSEUDOCALANUS SP AF	6.0	79	3.19	2078.95
BIVALVE LARVAE	7.0	21	0.85	552.63
CENTROPAGES HAMATUS	8.5	16	0.65	421.05
MICROSETELLA NORVEGICA	8.5	16	0.65	421.05
TEMORA LONGICORNIS AM	10.0	14	0.56	368.42
CENTROPAGES TYPICUS AM	11.0	9	0.36	236.84
PARACALANUS PARVUS C	12.0	6	0.24	157.89
PARACALANUS PARVUS AM	13.0	4	0.16	105.26
TEMORA LONGICORNIS AF	15.5	3	0.12	78.95
PSEUDOCALANUS SP AM	15.5	3	0.12	78.95
PTEROPODS	15.5	3	0.12	78.95
TEMORA LONGICORNIS C	15.5	3	0.12	78.95
CENTROPAGES TYPICUS AF	18.0	2	0.08	52.63
ACARTIA SPP C	21.0	1	0.04	26.32
PARACALANUS PARVUS AF	21.0	1	0.04	26.32
ACARTIA TONSA	21.0	1	0.04	26.32
ECTOPROCT LARVAE	21.0	1	0.04	26.32
POLYCHAETE LARVAE	21.0	1	0.04	26.32
TOTALS	23	2479	100	65236.85

- DATA NOT TAKEN

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STATION 11	SERIES 1	CAST 9	DATE 7 AUG 77	LATITUDE 40 46.2 N	LONGITUDE 72 29.9 W
	START TIME 0000	FINISH TIME 0052	SONIC DEPTH 28	NET MESH 73	
SAMPLE DEPTH 25.0	SAMPLE TIME 0047	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 055

S P E C I E S		RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	- - - - -	1.0	830	33.67	26315.79
PSEUDOCALANUS SP C	- - - - -	2.0	465	18.86	14743.18
CENTROPAGES TYPICUS C	- - - - -	3.0	315	12.78	9987.32
COPEPOD NAUPLII	- - - - -	4.0	288	11.68	9131.26
COPEPODIDS UNID	- - - - -	5.0	188	7.63	5960.68
PSEUDOCALANUS SP AF	- - - - -	6.0	135	5.48	4280.28
PSEUDOCALANUS SP AM	- - - - -	7.0	53	2.15	1680.41
MICROSETELLA NORVEGICA	- - - - -	8.0	35	1.42	1109.70
BIVALVE LARVAE	- - - - -	9.0	30	1.22	951.17
TEMORA LONGICORNIS C	- - - - -	10.0	23	0.93	729.23
CENTROPAGES HAMATUS	- - - - -	11.0	17	0.69	539.00
ECTOPROCT LARVAE	- - - - -	12.0	16	0.65	507.29
CENTROPAGES TYPICUS AM	- - - - -	13.0	12	0.49	380.47
PTEROPODS	- - - - -	14.0	11	0.45	348.76
ACARTIA TONSA	- - - - -	15.5	6	0.24	190.23
PARACALANUS PARVUS AM	- - - - -	15.5	6	0.24	190.23
PARACALANUS PARVUS AF	- - - - -	18.0	5	0.20	158.53
CENTROPAGES TYPICUS AF	- - - - -	18.0	5	0.20	158.53
TEMORA LONGICORNIS AM	- - - - -	18.0	5	0.20	158.53
TORTANUS DISCAUDATUS	- - - - -	20.5	4	0.16	126.82
TEMORA LONGICORNIS AF	- - - - -	20.5	4	0.16	126.82
PARACALANUS PARVUS C	- - - - -	22.5	3	0.12	95.12
ACARTIA SPP C	- - - - -	22.5	3	0.12	95.12
ANTHOZOA LARVAE	- - - - -	24.0	2	0.08	63.41
EVADNE SPP	- - - - -	26.5	1	0.04	31.71
CALANUS SPP C	- - - - -	26.5	1	0.04	31.71
EURYTEMORA SP	- - - - -	26.5	1	0.04	31.71
OITHONA ATLANTICA	- - - - -	26.5	1	0.04	31.71
	TOTALS	28	2465	100	78154.72

- DATA NOT TAKEN

STATION 12	SERIES 1	CAST 10	DATE 7 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 30.1 W
	START TIME 0415	FINISH TIME 0510	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 0415	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0385	VOLUME COUNT 0.1463	SAMPLE NUMBER 056

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	725	47.67	4955.57
CENTROPAGES TYPICUS C	2.0	280	18.41	1913.88
BIVALVE LARVAE	3.0	160	10.52	1093.64
COPEPOD NAUPLII	4.0	152	9.99	1038.96
PSEUDOCALANUS SP C	5.0	39	2.56	266.58
CENTROPAGES TYPICUS AM	6.0	21	1.38	143.54
PTEROPODS	8.0	17	1.12	116.20
PARACALANUS PARVUS C	8.0	17	1.12	116.20
ECTOPROCT LARVAE	8.0	17	1.12	116.20
COPEPOIDS UNID	10.0	15	0.99	102.53
ACARTIA TONSA	11.5	12	0.79	82.02
PSEUDOCALANUS SP AF	11.5	12	0.79	82.02
CENTROPAGES TYPICUS AF	13.0	11	0.72	75.19
CENTROPAGES HAMATUS	14.0	9	0.59	61.52
PARACALANUS PARVUS AF	15.5	7	0.46	47.85
POLYCHAETE LARVAE	15.5	7	0.46	47.85
PARACALANUS PARVUS AM	17.0	5	0.33	34.18
PARACALANUS CRASSIROSTRIS AF	18.0	4	0.26	27.34
PARACALANUS CRASSIROSTRIS C	20.5	2	0.13	13.67
PENILIA	20.5	2	0.13	13.67
EVADNE SPP	20.5	2	0.13	13.67
PLUTEI	20.5	2	0.13	13.67
ACARTIA SPP C	24.0	1	0.07	6.84
DECAPOD LARVAE	24.0	1	0.07	6.84
LABIDOCERA SP	24.0	1	0.07	6.84
TOTALS	25	1521	100	10396.45

- DATA NOT TAKEN

STATION 12	SERIES 1	CAST 10	DATE 7 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 30.1 W
	START TIME 0415	FINISH TIME 0510	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 0425	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0250	VOLUME COUNT 0.0950	SAMPLE NUMBER 057

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1610	56.85	16947.37
COPEPOD NAUPLII	2.0	470	16.60	4947.37
CENTROPAGES TYPICUS C	3.0	260	9.18	2736.84
BIVALVE LARVAE	4.0	133	4.70	1400.00
PTEROPODS	5.0	72	2.54	757.89
CENTROPAGES TYPICUS AM	6.0	56	1.98	589.47
ACARTIA TONSA	7.0	42	1.48	442.11
PSEUDOCALANUS SP C	8.0	40	1.41	421.05
CENTROPAGES TYPICUS AF	9.0	32	1.13	336.84
COPEPODIDS UNID	10.0	22	0.78	231.58
PARACALANUS PARVUS AF	12.0	12	0.42	126.32
CENTROPAGES HAMATUS	12.0	12	0.42	126.32
PARACALANUS CRASSIROSTRIS AF	12.0	12	0.42	126.32
EVADNE SPP	14.0	11	0.39	115.79
PARACALANUS PARVUS C	15.0	9	0.32	94.74
PARACALANUS CRASSIROSTRIS C	16.5	7	0.25	73.68
POLYCHAETE LARVAE	16.5	7	0.25	73.68
PARACALANUS CRASSIROSTRIS AM	18.5	6	0.21	63.16
PARACALANUS PARVUS AM	18.5	6	0.21	63.16
PSEUDOCALANUS SP AF	20.0	4	0.14	42.11
MICROSETELLA NORVEGICA	21.5	2	0.07	21.05
ECTOPROCT LARVAE	21.5	2	0.07	21.05
PSEUDOCALANUS SP AM	25.0	1	0.04	10.53
TEMORA LONGICORNIS AM	25.0	1	0.04	10.53
BARNACLE NAUPLII	25.0	1	0.04	10.53
LARVACEAN	25.0	1	0.04	10.53
DECAPOD LARVAE	25.0	1	0.04	10.53
TOTALS	27	2832	100	29810.52

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION 12	SERIES 1	CAST 10	DATE 7 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 30.1 W
	START TIME 0415	FINISH TIME 0510	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 0432	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0167	VOLUME COUNT 0.0635	SAMPLE NUMBER 058

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1465	54.75	23085.41
COPEPOD NAUPLII	2.0	720	26.91	11345.73
CENTROPAGES TYPICUS C	3.0	180	6.73	2836.43
PSEUDOCALANUS SP C	4.0	80	2.99	1260.64
BIVALVE LARVAE	5.0	71	2.65	1118.82
ACARTIA TONSA	6.0	40	1.49	630.32
PTEROPODS	7.0	27	1.01	425.46
CENTROPAGES TYPICUS AM	8.0	26	0.97	409.71
COPEPODIDS UNID	9.0	12	0.45	189.10
POLYCHAETE LARVAE	10.0	8	0.30	126.06
PARACALANUS PARVUS AF	11.5	5	0.19	78.79
CENTROPAGES HAMATUS	11.5	5	0.19	78.79
ECTOPROCT LARVAE	14.0	4	0.15	63.03
EVADNE SPP	14.0	4	0.15	63.03
MICROSETELLA NORVEGICA	14.0	4	0.15	63.03
PSEUDOCALANUS SP AM	18.5	3	0.11	47.27
PARACALANUS CRASSIROSTRIS AM	18.5	3	0.11	47.27
CENTROPAGES TYPICUS AF	18.5	3	0.11	47.27
PARACALANUS CRASSIROSTRIS AF	18.5	3	0.11	47.27
ACARTIA SPP C	18.5	3	0.11	47.27
PARACALANUS PARVUS C	18.5	3	0.11	47.27
TEMORA LONGICORNIS AF	23.0	2	0.07	31.52
CALANUS SPP C	23.0	2	0.07	31.52
TEMORA LONGICORNIS AM	23.0	2	0.07	31.52
BARNACLE CYPRISES	25.0	1	0.04	15.76
TOTALS	25	2676	100	42168.29

- DATA NOT TAKEN

STATION 12	SERIES 1	CAST 10	DATE 7 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 30.1 W
	START TIME 0415	FINISH TIME 0510	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 0455	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 060

SPECIES	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	875	36.55	27742.55
COPEPOD NAUPLII	2.0	600	25.06	19023.46
PSEUDOCALANUS SP C	3.0	540	22.56	17121.12
PSEUDOCALANUS SP AF	4.0	135	5.64	4280.28
CENTROPAGES TYPICUS C	5.0	88	3.68	2790.11
BIVALVE LARVAE	6.0	41	1.71	1299.94
COPEPODIDS UNID	7.0	26	1.09	824.35
MICROSETELLA NORVEGICA	8.0	20	0.84	634.12
ACARTIA TONSA	9.0	15	0.63	475.59
PSEUDOCALANUS SP AM	10.0	12	0.50	380.47
CENTROPAGES TYPICUS AF	11.0	11	0.46	348.76
CENTROPAGES TYPICUS AM	12.0	7	0.29	221.94
TEMORA LONGICORNIS AM	13.5	6	0.25	190.23
CENTROPAGES HAMATUS	13.5	6	0.25	190.23
TEMORA LONGICORNIS C	15.0	3	0.13	95.12
TEMORA LONGICORNIS AF	17.5	2	0.08	63.41
PTERPODS	17.5	2	0.08	63.41
PARACALANUS PARVUS AM	17.5	2	0.08	63.41
POLYCHAETE LARVAE	17.5	2	0.08	63.41
CHAETOGNATHS	20.0	1	0.04	31.71
TOTALS	20	2394	100	75903.63

- DATA NOT TAKEN

STATION 12	SERIES 1	CAST 10	DATE 7 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 30.1 W
	START TIME 0415	FINISH TIME 0510	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 25.0	SAMPLE TIME 0505	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0167	VOLUME COUNT 0.0635	SAMPLE NUMBER 061

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	950	35.63	14970.06
PSEUDOCALANUS SP C	2.0	730	27.38	11503.31
COPEPOD NAUPLII	3.0	360	13.50	5672.86
PSEUDOCALANUS SP AF	4.0	100	3.75	1575.80
TEMORA LONGICORNIS AM	5.0	81	3.04	1276.39
CENTROPAGES TYPICUS C	6.0	71	2.66	1118.82
MICROSETELLA NORVEGICA	7.0	62	2.33	976.99
CENTROPAGES HAMATUS	8.0	48	1.80	756.38
BIVALVE LARVAE	9.0	47	1.76	740.62
TEMORA LONGICORNIS AF	10.0	38	1.43	598.80
ECTOPROCT LARVAE	11.0	36	1.35	567.29
TEMORA LONGICORNIS C	12.0	31	1.16	488.50
PTEROPODS	13.0	27	1.01	425.46
PSEUDOCALANUS SP AM	14.0	22	0.83	346.68
COPEPODIDS UNID	15.0	14	0.53	220.61
POLYCHAETE LARVAE	16.0	11	0.41	173.34
CENTROPAGES TYPICUS AM	17.0	9	0.34	141.82
ONCAEA SPP	18.0	8	0.30	126.06
ACARTIA TONSA	19.0	4	0.15	63.03
CENTROPAGES TYPICUS AF	21.0	3	0.11	47.27
CALANUS SPP C	21.0	3	0.11	47.27
ACARTIA SPP C	21.0	3	0.11	47.27
TORTANUS DISCAUDATUS	23.5	2	0.08	31.52
PARACALANUS PARVUS AF	23.5	2	0.08	31.52
ACARTIA LONGIREMIS	26.5	1	0.04	15.76
ISOPODS	26.5	1	0.04	15.76
CHAETOGNATHS	26.5	1	0.04	15.76
EUTERPINA SP	26.5	1	0.04	15.76
TOTALS	28	2666	100	42010.71

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION 13	SERIES 1	CAST 11	DATE 7 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 29.9 W
	START TIME 0808	FINISH TIME 0900	SONIC DEPTH 26	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 0808	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0357	VOLUME COUNT 0.1357	SAMPLE NUMBER 062

SPECIES	RANK COUNTS %			NO./M3	
OITHONA SIMILIS	- - - - -	1.0	1365	59.92	10061.92
CENTROPAGES TYPICUS C	- - - - -	2.0	590	25.90	4349.11
COPEPOD NAUPLII	- - - - -	3.0	128	5.62	943.54
BIVALVE LARVAE	- - - - -	4.0	52	2.28	383.31
COPEPODIDS UNID	- - - - -	5.0	43	1.89	316.97
PTERPODS	- - - - -	6.0	21	0.92	154.80
PARACALANUS PARVUS C	- - - - -	7.0	20	0.88	147.43
CENTROPAGES TYPICUS AM	- - - - -	8.0	15	0.66	110.57
CENTROPAGES TYPICUS AF	- - - - -	9.0	8	0.35	58.97
ACARTIA TONSA	- - - - -	10.0	7	0.31	51.60
PARACALANUS CRASSIROSTRIS AF	- -	11.5	6	0.26	44.23
EVADNE SPP	- - - - -	11.5	6	0.26	44.23
CENTROPAGES HAMATUS	- - - - -	13.0	5	0.22	36.86
PSEUDOCALANUS SP C	- - - - -	14.0	3	0.13	22.11
ECTOPROCT LARVAE	- - - - -	16.0	2	0.09	14.74
PSEUDOCALANUS SP AF	- - - - -	16.0	2	0.09	14.74
PARACALANUS CRASSIROSTRIS C	- -	16.0	2	0.09	14.74
PENILIA	- - - - -	19.0	1	0.04	7.37
EUTERPINA SP	- - - - -	19.0	1	0.04	7.37
POLYCHAETE LARVAE	- - - - -	19.0	1	0.04	7.37
TOTALS		20	2278	100	16791.98
- DATA NOT TAKEN					

STATION 13	SERIES 1	CAST 11	DATE 7 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 29.9 W
	START TIME 0808	FINISH TIME 0900	SONIC DEPTH 26	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 0817	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0500	VOLUME COUNT 0.1900	SAMPLE NUMBER 063

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1430	51.00	7526.32
COPEPOD NAUPLII	2.0	700	24.96	3684.21
CENTROPAGES TYPICUS C	3.0	320	11.41	1684.21
BIVALVE LARVAE	4.0	128	4.56	673.68
COPEPODIDS UNID	5.0	58	2.07	305.26
ACARTIA TONSA	6.0	49	1.75	257.89
PARACALANUS PARVUS C	7.0	34	1.21	178.95
PTEROPODS	8.0	20	0.71	105.26
LARVACEAN	9.0	12	0.43	63.16
PSEUDOCALANUS SP C	10.0	8	0.29	42.11
PSEUDOCALANUS SP AF	12.0	6	0.21	31.58
CENTROPAGES TYPICUS AM	12.0	6	0.21	31.58
EVADNE SPP	12.0	6	0.21	31.58
ECTOPROCT LARVAE	14.5	5	0.18	26.32
PARACALANUS CRASSIROSTRIS C	14.5	5	0.18	26.32
ACARTIA SPP C	16.5	4	0.14	21.05
CENTROPAGES HAMATUS	16.5	4	0.14	21.05
PENILIA	18.5	2	0.07	10.53
PODON SPP	18.5	2	0.07	10.53
CANDACIA ARMATA C	22.0	1	0.04	5.26
PARACALANUS CRASSIROSTRIS AF	22.0	1	0.04	5.26
MICROSETELLA NORVEGICA	22.0	1	0.04	5.26
PARACALANUS PARVUS AF	22.0	1	0.04	5.26
POLYCHAETE LARVAE	22.0	1	0.04	5.26
TOTALS	24	2804	100	14757.89

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION 13	SERIES 1	CAST 11	DATE 7 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 29.9 W
	START TIME 0808	FINISH TIME 0900	SONIC DEPTH 26	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 0827	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0556	VOLUME COUNT 0.2113	SAMPLE NUMBER 064

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1490	55.62	7052.25
COPEPOD NAUPLII	2.0	645	24.08	3052.82
CENTROPAGES TYPICUS C	3.0	235	8.77	1112.27
ACARTIA TONSA	4.0	72	2.69	340.78
BIVALVE LARVAE	5.0	65	2.43	307.65
COPEPODIDS UNID	6.0	59	2.20	279.25
PTEROPODS	7.0	32	1.19	151.46
LARVACEAN	8.0	18	0.67	85.19
PARACALANUS PARVUS C	9.0	15	0.56	71.00
PSEUDOCALANUS SP C	10.0	8	0.30	37.86
PSEUDOCALANUS SP AF	11.5	6	0.22	28.40
PARACALANUS CRASSIROSTRIS C	11.5	6	0.22	28.40
CENTROPAGES HAMATUS	13.5	5	0.19	23.67
ECTOPROCT LARVAE	13.5	5	0.19	23.67
EVAONE SPP	15.0	3	0.11	14.20
PSEUDOCALANUS SP AM	18.0	2	0.07	9.47
ACARTIA SPP C	18.0	2	0.07	9.47
PARACALANUS CRASSIROSTRIS AF	18.0	2	0.07	9.47
TEMORA LONGICORNIS C	18.0	2	0.07	9.47
CENTROPAGES TYPICUS AM	18.0	2	0.07	9.47
CALANUS SPP C	23.0	1	0.04	4.73
PARACALANUS CRASSIROSTRIS AM	23.0	1	0.04	4.73
PARACALANUS PARVUS AM	23.0	1	0.04	4.73
MICROSETELLA NORVEGICA	23.0	1	0.04	4.73
POLYCHAETE LARVAE	23.0	1	0.04	4.73
TOTALS	25	2679	100	12679.86
- DATA NOT TAKEN				

STATION 13	SERIES 1	CAST 11	DATE 7 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 29.9 W
	START TIME 0808	FINISH TIME 0900	SONIC DEPTH 26	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 0835	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0294	VOLUME COUNT 0.1117	SAMPLE NUMBER 065

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	2280	62.19	20408.16
COPEPOD NAUPLII	2.0	760	20.73	6802.72
CENTROPAGES TYPICUS C	3.0	305	8.32	2730.04
BIVALVE LARVAE	4.0	76	2.07	680.27
PSEUDOCALANUS SP C	5.0	65	1.77	581.81
COPEPODIDS UNID	6.0	51	1.39	456.50
PSEUDOCALANUS SP AF	7.0	29	0.79	259.58
ACARTIA TONSA	8.0	26	0.71	232.72
PTEROPODS	9.0	24	0.65	214.82
MICROSETELLA NORVEGICA	10.0	12	0.33	107.41
LARVACEAN	11.0	8	0.22	71.61
CENTROPAGES TYPICUS AM	12.5	4	0.11	35.80
PSEUDOCALANUS SP AM	12.5	4	0.11	35.80
CENTROPAGES HAMATUS	15.0	3	0.08	26.85
CENTROPAGES TYPICUS AF	15.0	3	0.08	26.85
POLYCHAETE LARVAE	15.0	3	0.08	26.85
PARACALANUS PARVUS AF	18.5	2	0.05	17.90
TEMORA LONGICORNIS C	18.5	2	0.05	17.90
EVADNE SPP	18.5	2	0.05	17.90
ECTOPROCT LARVAE	18.5	2	0.05	17.90
PARACALANUS PARVUS C	23.0	1	0.03	8.95
EURYTEMORA SP	23.0	1	0.03	8.95
DECAPOD LARVAE	23.0	1	0.03	8.95
PARACALANUS CRASSIROSTRIS C	23.0	1	0.03	8.95
PARACALANUS PARVUS AM	23.0	1	0.03	8.95
TOTALS	25	3666	100	32814.17

- DATA NOT TAKEN

STATION 13	SERIES 1	CAST 11	DATE 7 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 29.9 W
	START TIME 0808	FINISH TIME 0900	SONIC DEPTH 26	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 0845	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0250	VOLUME COUNT 0.0950	SAMPLE NUMBER 066

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1895	60.52	19947.37
COPEPOD NAUPLII	2.0	625	19.96	6578.95
CENTROPAGES TYPICUS C	3.0	250	7.98	2631.58
PSEUDOCALANUS SP C	4.0	128	4.09	1347.37
BIVALVE LARVAE	5.0	53	1.69	557.89
COPEPODIDS UNID	6.0	50	1.60	526.32
PSEUDOCALANUS SP AF	7.0	43	1.37	452.63
CENTROPAGES TYPICUS AF	8.0	14	0.45	147.37
CENTROPAGES TYPICUS AM	9.0	13	0.42	136.84
MICROSETELLA NORVEGICA	10.0	11	0.35	115.79
LARVACEAN	11.0	10	0.32	105.26
ACARTIA TONSA	12.0	9	0.29	94.74
PTEROPODS	13.0	7	0.22	73.68
PSEUDOCALANUS SP AM	14.0	5	0.16	52.63
CENTROPAGES HAMATUS	15.0	4	0.13	42.11
CALANUS SPP C	15.0	4	0.13	42.11
PARACALANUS PARVUS AM	17.0	3	0.10	31.58
TEMORA LONGICORNIS C	18.0	2	0.06	21.05
POLYCHAETE LARVAE	18.0	2	0.06	21.05
PARACALANUS PARVUS AF	21.0	1	0.03	10.53
PARACALANUS CRASSIROSTRIS AF	21.0	1	0.03	10.53
PARACALANUS PARVUS C	21.0	1	0.03	10.53
TOTALS	22	3131	100	32957.89

- DATA NOT TAKEN

STATION 13	SERIES 1	CAST 11	DATE 7 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 29.9 W
	START TIME 0808	FINISH TIME 0900	SONIC DEPTH 26	NET MESH 70	
SAMPLE DEPTH 25.0	SAMPLE TIME 0855	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0125	VOLUME COUNT 0.0475	SAMPLE NUMBER 067

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	610	31.06	12842.10
PSEUDOCALANUS SP C	2.0	605	30.80	12736.84
CENTROPAGES TYPICUS C	3.0	185	9.42	3894.74
PSEUDOCALANUS SP AF	4.0	152	7.74	3200.00
COPEPOD NAUPLII	5.0	137	6.98	2884.21
COPEPODIDS UNID	6.0	125	6.36	2631.58
CENTROPAGES HAMATUS	7.0	25	1.27	526.32
MICROSETELLA NORVEGICA	8.5	22	1.12	463.16
BIVALVE LARVAE	8.5	22	1.12	463.16
TEMORA LONGICORNIS C	10.0	13	0.66	273.68
PSEUDOCALANUS SP AM	11.5	10	0.51	210.53
ACARTIA TONSA	11.5	10	0.51	210.53
PTEROPODS	13.5	9	0.46	189.47
CENTROPAGES TYPICUS AM	13.5	9	0.46	189.47
CENTROPAGES TYPICUS AF	15.0	7	0.36	147.37
TEMORA LONGICORNIS AF	17.0	5	0.25	105.26
ECTOPROCT LARVAE	17.0	5	0.25	105.26
TEMORA LONGICORNIS AM	17.0	5	0.25	105.26
CALANUS SPP C	19.0	3	0.15	63.16
POLYCHAETE LARVAE	20.0	2	0.10	42.11
EURYTEMORA SP	22.0	1	0.05	21.05
LARVACEAN	22.0	1	0.05	21.05
CALANUS FINMARCHICUS A	22.0	1	0.05	21.05
TOTALS	23	1964	100	41347.35

- DATA NOT TAKEN

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
14	1	12	7 AUG 77	40 46.7 N	72 29.9 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	1204	1259	26	70	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
1.0	1204	3.80	0.0167	0.0635	068

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1200	65.08	18909.55
COPEPOD NAUPLII	2.0	255	13.83	4018.28
BIVALVE LARVAE	3.0	142	7.70	2237.63
CENTROPAGES TYPICUS C	4.0	85	4.61	1339.43
PTEROPODS	5.0	83	4.50	1307.91
ACARTIA TONSA	6.5	17	0.92	267.89
COPEPODIDS UNID	6.5	17	0.92	267.89
PARACALANUS CRASSIROSTRIS AF	8.0	8	0.43	126.06
ACARTIA SPP C	9.5	6	0.33	94.55
EVADNE SPP	9.5	6	0.33	94.55
PARACALANUS CRASSIROSTRIS C	11.0	5	0.27	78.79
ECTOPROCT LARVAE	12.0	4	0.22	63.03
CENTROPAGES TYPICUS AF	14.0	3	0.16	47.27
CENTROPAGES TYPICUS AM	14.0	3	0.16	47.27
PARACALANUS CRASSIROSTRIS AM	14.0	3	0.16	47.27
HARPACTICOIDA UNID	16.5	2	0.11	31.52
PLUTEI	16.5	2	0.11	31.52
PARACALANUS PARVUS AF	19.0	1	0.05	15.76
PARACALANUS PARVUS C	19.0	1	0.05	15.76
DOLIOLIDS	19.0	1	0.05	15.76
TOTALS				
	20	1844	100	29057.67
- DATA NOT TAKEN				

STATION 14	SERIES 1	CAST 12	DATE 7 AUG 77	LATITUDE 40 46.7 N	LONGITUDE 72 29.9 W
	START TIME 1204	FINISH TIME 1259	SONIC DEPTH 26	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 1213	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0385	VOLUME COUNT 0.1463	SAMPLE NUMBER 069

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	2335	68.62	15960.36
BIVALVE LARVAE	2.0	295	8.67	2016.40
COPEPOD NAUPLII	3.0	270	7.93	1845.52
PTEROPODS	4.0	225	6.61	1537.94
CENTROPAGES TYPICUS C	5.0	115	3.38	786.06
ACARTIA TONSA	6.0	54	1.59	369.10
ACARTIA SPP C	7.0	15	0.44	102.53
PLUTEI	8.0	11	0.32	75.19
PARACALANUS CRASSIROSTRIS AM	9.5	10	0.29	68.35
PARACALANUS PARVUS C	9.5	10	0.29	68.35
EVADNE SPP	11.0	7	0.21	47.85
PARACALANUS CRASSIROSTRIS C	14.0	6	0.18	41.01
COPEPODIDS UNID	14.0	6	0.18	41.01
PARACALANUS CRASSIROSTRIS AF	14.0	6	0.18	41.01
POLYCHAETE LARVAE	14.0	6	0.18	41.01
ECTOPROCT LARVAE	14.0	6	0.18	41.01
PENILIA	17.0	5	0.15	34.18
PSEUDOCALANUS SP AF	18.5	4	0.12	27.34
PARACALANUS PARVUS AF	18.5	4	0.12	27.34
CENTROPAGES TYPICUS AF	20.5	3	0.09	20.51
PSEUDOCALANUS SP C	20.5	3	0.09	20.51
PODON SPP	22.0	2	0.06	13.67
CALANUS SPP C	25.0	1	0.03	6.84
CENTROPAGES TYPICUS AM	25.0	1	0.03	6.84
CENTROPAGES HAMATUS	25.0	1	0.03	6.84
HARPACTICOIDA UNID	25.0	1	0.03	6.84
FISH EGGS	25.0	1	0.03	6.84
TOTALS	27	3403	100	23260.43

- DATA NOT TAKEN

STATION 14	SERIES 1	CAST 12	DATE 7 AUG 77	LATITUDE 40 46.7 N	LONGITUDE 72 29.9 W
	START TIME 1204	FINISH TIME 1259	SONIC DEPTH 26	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 1222	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0385	VOLUME COUNT 0.1463	SAMPLE NUMBER 070

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	2785	63.99	19036.23
COPEPOD NAUPLII	2.0	925	21.25	6322.62
CENTROPAGES TYPICUS C	3.0	240	5.51	1640.46
BIVALVE LARVAE	4.0	215	4.94	1469.58
PTEROPODS	5.0	31	0.71	211.89
ACARTIA TONSA	6.5	16	0.37	109.36
PSEUDOCALANUS SP C	6.5	16	0.37	109.36
PARACALANUS PARVUS C	8.5	13	0.30	88.86
CENTROPAGES TYPICUS AF	8.5	13	0.30	88.86
COPEPODIDS UNID	10.0	12	0.28	82.02
PENILIA	11.0	11	0.25	75.19
CENTROPAGES HAMATUS	13.5	9	0.21	61.52
ECTOPROCT LARVAE	13.5	9	0.21	61.52
CENTROPAGES TYPICUS AM	13.5	9	0.21	61.52
EVADNE SPP	13.5	9	0.21	61.52
PARACALANUS PARVUS AF	16.0	8	0.18	54.68
PLUTEI	18.0	4	0.09	27.34
PARACALANUS CRASSIROSTRIS C	18.0	4	0.09	27.34
PARACALANUS CRASSIROSTRIS AF	18.0	4	0.09	27.34
PARACALANUS CRASSIROSTRIS AM	20.0	3	0.07	20.51
PSEUDOCALANUS SP AF	23.0	2	0.05	13.67
ONCAEA SPP	23.0	2	0.05	13.67
PSEUDOCALANUS SP AM	23.0	2	0.05	13.67
DECAPOD LARVAE	23.0	2	0.05	13.67
POLYCHAETE LARVAE	23.0	2	0.05	13.67
EUTERPINA SP	28.5	1	0.02	6.84
PARACALANUS PARVUS AM	28.5	1	0.02	6.84
TORTANUS DISCAUDATUS	28.5	1	0.02	6.84
HARPACTICOIDA UNID	28.5	1	0.02	6.84
TEMORA LONGICORNIS AM	28.5	1	0.02	6.84
TEMORA LONGICORNIS C	28.5	1	0.02	6.84
TOTALS	31	4352	100	29747.10
- DATA NOT TAKEN				

STATION 14	SERIES 1	CAST 12	DATE 7 AUG 77	LATITUDE 40 46.7 N	LONGITUDE 72 29.9 W
	START TIME 1204	FINISH TIME 1259	SONIC DEPTH 26	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 1232	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0250	VOLUME COUNT 0.0950	SAMPLE NUMBER 071

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1465	49.59	15421.05
COPEPOD NAUPLII	2.0	940	31.82	9894.74
BIVALVE LARVAE	3.0	265	8.97	2789.47
CENTROPAGES TYPICUS C	4.0	110	3.72	1157.89
PTEROPODE	5.0	34	1.15	357.89
ECTOPROCT LARVAE	6.0	22	0.74	231.58
PSEUDOCALANUS SP C	7.0	16	0.54	168.42
COPEPODIDS UNID	8.0	15	0.51	157.89
ACARTIA TONSA	9.5	13	0.44	136.84
PARACALANUS PARVUS C	9.5	13	0.44	136.84
PSEUDOCALANUS SP AF	11.0	11	0.37	115.79
CENTROPAGES HAMATUS	12.5	8	0.27	84.21
PARACALANUS PARVUS AF	12.5	8	0.27	84.21
PARACALANUS CRASSIROSTRIS C	14.5	6	0.20	63.16
TEMORA LONGICORNIS C	14.5	6	0.20	63.16
CENTROPAGES TYPICUS AM	16.0	5	0.17	52.63
MICROSETELLA NORVEGICA	17.0	4	0.14	42.11
PARACALANUS CRASSIROSTRIS AF	18.5	3	0.10	31.58
CENTROPAGES TYPICUS AF	18.5	3	0.10	31.58
ACARTIA SPP C	20.0	2	0.07	21.05
TORTANUS DISCAUDATUS	23.0	1	0.03	10.53
BARNACLE NAUPLII	23.0	1	0.03	10.53
HARPACTICOIDA UNID	23.0	1	0.03	10.53
TEMORA LONGICORNIS AF	23.0	1	0.03	10.53
PARACALANUS CRASSIROSTRIS AM	23.0	1	0.03	10.53
TOTALS	25	2954	100	31094.73

- DATA NOT TAKEN

STATION 14	SERIES 1	CAST 12	DATE 7 AUG 77	LATITUDE 40 46.7 N	LONGITUDE 72.29.9 W
	START TIME 1204	FINISH TIME 1259	SONIC DEPTH 26	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 1242	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0125	VOLUME COUNT 0.0475	SAMPLE NUMBER 072

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1335	70.08	28105.26
COPEPOD NAUPLII	2.0	225	11.81	4736.84
BIVALVE LARVAE	3.0	95	4.99	2000.00
PTEROPODS	4.0	44	2.31	926.32
ECTOPROCT LARVAE	5.0	36	1.89	757.89
COPEPODIDS UNID	6.5	30	1.57	631.58
CENTROPAGES TYPICUS C	6.5	30	1.57	631.58
PSEUDOCALANUS SP C	8.0	21	1.10	442.11
MICROSETELLA NORVEGICA	9.5	13	0.68	273.68
POLYCHAETE LARVAE	9.5	13	0.68	273.68
PARACALANUS PARVUS AF	11.0	12	0.63	252.63
PARACALANUS CRASSIROSTRIS C	12.0	9	0.47	189.47
ACARTIA TONSA	13.5	8	0.42	168.42
TEMORA LONGICORNIS C	13.5	8	0.42	168.42
CENTROPAGES HAMATUS	15.5	7	0.37	147.37
PARACALANUS PARVUS C	15.5	7	0.37	147.37
PSEUDOCALANUS SP AF	17.0	5	0.26	105.26
PARACALANUS PARVUS AM	18.0	2	0.10	42.11
ACARTIA SPP C	21.0	1	0.05	21.05
CALANUS SPP C	21.0	1	0.05	21.05
PARACALANUS CRASSIROSTRIS AM	21.0	1	0.05	21.05
CENTROPAGES TYPICUS AF	21.0	1	0.05	21.05
PSEUDOCALANUS SP AM	21.0	1	0.05	21.05
TOTALS	23	1905	100	40105.25

- DATA NOT TAKEN

STATION 14	SERIES 1	CAST 12	DATE 7 AUG 77	LATITUDE 40 46.7 N	LONGITUDE 72 29.9 W
	START TIME 1204	FINISH TIME 1259	SONIC DEPTH 26	NET MESH 70	
SAMPLE DEPTH 25.0	SAMPLE TIME 1254	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0333	VOLUME COUNT 0.1265	SAMPLE NUMBER 073

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	675	47.30	5334.28
PSEUDOCALANUS SP C	2.0	235	16.47	1857.12
COPEPOD NAUPLII	3.0	220	15.42	1738.58
BIVALVE LARVAE	4.0	53	3.71	418.84
POLYCHAETE LARVAE	5.0	38	2.66	300.30
PTEROPODS	6.0	36	2.52	284.49
ONCAEA SPP	7.0	35	2.45	276.59
MICROSETELLA NORVEGICA	9.0	23	1.61	181.76
PSEUDOCALANUS SP AF	9.0	23	1.61	181.76
TEMORA LONGICORNIS AM	9.0	23	1.61	181.76
TEMORA LONGICORNIS C	11.0	13	0.91	102.73
COPEPODIDS UNID	12.0	11	0.77	86.93
TEMORA LONGICORNIS AF	13.0	9	0.63	71.12
PARACALANUS CRASSIROSTRIS C	14.0	6	0.42	47.42
CENTROPAGES HAMATUS	15.5	4	0.28	31.61
ECTOPROCT LARVAE	15.5	4	0.28	31.61
CENTROPAGES TYPICUS AM	17.0	3	0.21	23.71
PSEUDOCALANUS SP AM	20.0	2	0.14	15.81
EUTERPINA SP	20.0	2	0.14	15.81
CALANUS SPP C	20.0	2	0.14	15.81
CENTROPAGES TYPICUS C	20.0	2	0.14	15.81
ACARTIA TONSA	20.0	2	0.14	15.81
PARACALANUS PARVUS AF	25.5	1	0.07	7.90
DECAPOD LARVAE	25.5	1	0.07	7.90
PARACALANUS CRASSIROSTRIS AM	25.5	1	0.07	7.90
LABIDOCERA SP	25.5	1	0.07	7.90
TORTANUS DISCAUDATUS	25.5	1	0.07	7.90
PARACALANUS CRASSIROSTRIS AF	25.5	1	0.07	7.90
TOTALS	28	1427	100	11277.07

- DATA NOT TAKEN

STATION 34	SERIES 2	CAST 13	DATE 10 AUG 77	LATITUDE 40 9.6 N	LONGITUDE 72 1.2 W
	START TIME 0810	FINISH TIME 1000	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH 1.0	SAMPLE TIME 0810	VOLUME SAMPLE 3.80	FRACTION COUNT 0.3000	VOLUME COUNT 1.1400	SAMPLE NUMBER 074

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPODIDS UNID	1.0	300	17.29	263.16
CENTROPAGES TYPICUS C	2.0	285	16.43	250.00
COPEPOD NAUPLII	3.0	270	15.56	236.84
PTEROPODS	4.0	175	10.09	153.51
CLAUSOCALANUS SPP C	5.0	152	8.76	133.33
ONCAEA SPP	6.0	135	7.78	118.42
EVADNE SPP	7.0	51	2.94	44.74
DOLIOLIDS	8.0	47	2.71	41.23
BIVALVE LARVAE	9.0	44	2.54	38.60
CORYCAEUS SPP	10.0	39	2.25	34.21
LARVACEAN	11.0	37	2.13	32.46
MICROSETELLA NORVEGICA	12.0	36	2.07	31.58
PARACALANUS PARVUS C	13.5	22	1.27	19.30
CLAUSOCALANUS FURCATUS	13.5	22	1.27	19.30
ONCAEA VENUSTA	15.0	18	1.04	15.79
OITHONA SIMILIS	16.0	14	0.81	12.28
TEMORA STYLIFERA	17.0	12	0.69	10.53
PARACALANUS CRASSIROSTRIS C	18.0	10	0.58	8.77
CENTROPAGES TYPICUS AF	19.5	9	0.52	7.89
POLYCHAETE LAR EAR	19.5	9	0.52	7.89
CENTROPAGES BRADYI	21.0	7	0.40	6.14
FISH EGGS	22.0	6	0.35	5.26
PARACALANUS PARVUS AF	23.0	5	0.29	4.39
CENTROPAGES TYPICUS AM	25.0	4	0.23	3.51
SIPHONOPHORES	25.0	4	0.23	3.51
ANTHOZOA LARVAE	25.0	4	0.23	3.51
ACARTIA SPP C	27.5	3	0.17	2.63
POLYCHAETE LARVAE	27.5	3	0.17	2.63
CALOCALANUS STYLIREMIS	30.0	2	0.12	1.75
ACARTIA TONSA	30.0	2	0.12	1.75
NANNOCALANUS MINOR	30.0	2	0.12	1.75
SAPPHIRINA SPP	34.5	1	0.06	0.88
PARACALANUS CRASSIROSTRIS AM	34.5	1	0.06	0.88
PARACALANUS CRASSIROSTRIS AF	34.5	1	0.06	0.88
OCULOSETELLA GRACILIS	34.5	1	0.06	0.88
HYPERIIDS	34.5	1	0.06	0.88
ISOPODS	34.5	1	0.06	0.88
TOTALS	37	1735	100	1521.93

- DATA NOT TAKEN

STATION 34	SERIES 2	CAST 13	DATE 10 AUG 77	LATITUDE 40 9.6.N	LONGITUDE 72 1.2 W
	START TIME 0810	FINISH TIME 1000	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH 5.0	SAMPLE TIME 0815	VOLUME SAMPLE 3.80	FRACTION COUNT 0.1500	VOLUME COUNT 0.5700	SAMPLE NUMBER 075

S P E C I E S	RANK	COUNTS	%	NO./M3
CENTROPAGES TYPICUS C	1.0	1015	41.99	1780.70
PTEROPODS	2.0	550	22.76	964.91
ONCAEA SPP	3.0	112	4.63	196.49
COPEPOD NAUPLII	4.0	103	4.26	180.70
OITHONA SIMILIS	5.0	93	3.85	163.16
COPEPODIDS UNID	6.0	90	3.72	157.89
ONCAEA VENUSTA	7.0	64	2.65	112.28
DOLIOLIDS	8.0	45	1.86	78.95
CLAUSOCALANUS SPP C	9.0	39	1.61	68.42
MICROSETELLA NORVEGICA	10.0	35	1.45	61.40
CORYCAEUS SPP	11.0	29	1.20	50.88
BIVALVE LARVAE	12.0	27	1.12	47.37
TEMORA STYLIFERA	13.0	26	1.08	45.61
NANNOCALANUS MINOR	14.0	24	0.99	42.11
PARACALANUS PARVUS C	15.0	22	0.91	38.60
ACARTIA SPP C	17.0	15	0.62	26.32
LARVACEAN	17.0	15	0.62	26.32
CLAUSOCALANUS FURCATUS	17.0	15	0.62	26.32
CENTROPAGES TYPICUS AM	19.5	13	0.54	22.81
ANTHOZOA LARVAE	19.5	13	0.54	22.81
CENTROPAGES TYPICUS AF	21.0	12	0.50	21.05
EVADNE SPP	22.5	9	0.37	15.79
CANDACIA ARMATA C	22.5	9	0.37	15.79
POLYCHAETE LAR EAR	24.0	6	0.25	10.53
PARACALANUS PARVUS AF	25.5	5	0.21	8.77
PENILIA	25.5	5	0.21	8.77
FISH EGGS	27.5	4	0.17	7.02
CALOCALANUS	27.5	4	0.17	7.02
SIPHONOPHORES	29.0	3	0.12	5.26
POLYCHAETE LARVAE	31.5	2	0.08	3.51
ACARTIA TONSA	31.5	2	0.08	3.51
CALOCALANUS STYLIREMIS	31.5	2	0.08	3.51
PARACALANUS CRASSIROSTRIS C	31.5	2	0.08	3.51
FISH LARVAE	37.0	1	0.04	1.75
CHAETOGNATHS	37.0	1	0.04	1.75
HYPERIIDIS	37.0	1	0.04	1.75
SAPPHIRINA SPP	37.0	1	0.04	1.75
CLAUSOCALANUS MASTIGOPHORUS	37.0	1	0.04	1.75
EUCHAETA MARINA	37.0	1	0.04	1.75
CANDACIA ARMATA A	37.0	1	0.04	1.75
TOTALS	40	2417	100	4240.35

- DATA NOT TAKEN

STATION 34	SERIES 2	CAST 13	DATE 10 AUG 77	LATITUDE 40 9.6 N	LONGITUDE 72 1.2 W
	START TIME 0810	FINISH TIME 1000	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH 10.0	SAMPLE TIME 0825	VOLUME SAMPLE 3.80	FRACTION COUNT 0.1667	VOLUME COUNT 0.6335	SAMPLE NUMBER 076

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	695	31.81	1097.15
CENTROPAGES TYPICUS C	2.0	385	17.62	607.77
COPEPOD NAUPLII	3.0	275	12.59	434.12
TEMORA STYLIFERA	4.0	132	6.04	208.38
ONCAEA SPP	5.5	83	3.80	131.03
MICROSETELLA NORVEGICA	5.5	83	3.80	131.03
PTEROPODS	7.0	79	3.62	124.71
COPEPODIDS UNID	8.0	66	3.02	104.19
NANNOCALANUS MINOR	9.0	65	2.97	102.61
CORYCAEUS SPP	10.0	54	2.47	85.25
CENTROPAGES TYPICUS AF	11.0	43	1.97	67.88
CENTROPAGES TYPICUS AM	12.0	42	1.92	66.30
CALOCALANUS	13.0	31	1.42	48.94
ONCAEA VENUSTA	14.0	28	1.28	44.20
CALOCALANUS PAVO	15.0	18	0.82	28.42
CALOCALANUS STYLIREMIS	16.5	15	0.69	23.68
ACARTIA SPP C	16.5	15	0.69	23.68
PARACALANUS PARVUS C	18.0	8	0.37	12.63
HYPERIIDS	21.0	6	0.27	9.47
BIVALVE LARVAE	21.0	6	0.27	9.47
LARVACEAN	21.0	6	0.27	9.47
FISH LARVAE	21.0	6	0.27	9.47
CLYTEMNESTRA SPP	21.0	6	0.27	9.47
ANTHOZOA LARVAE	24.0	5	0.23	7.89
PARACALANUS PARVUS AF	26.0	4	0.18	6.31
ISCHNOCALANUS PLUMULOSUS	26.0	4	0.18	6.31
PARACALANUS PARVUS AM	26.0	4	0.18	6.31
SIPHONOPHORES	28.5	3	0.14	4.74
POLYCHAETE LAR EAR	28.5	3	0.14	4.74
CLAUSOCALANUS SPP C	31.0	2	0.09	3.16
CHAETOGNATHS	31.0	2	0.09	3.16
PENILIA	31.0	2	0.09	3.16
EVADNE SPP	37.0	1	0.05	1.58
CANDACIA ARMATA C	37.0	1	0.05	1.58
DECAPOD LARVAE	37.0	1	0.05	1.58
GASTROPOD LARVAE	37.0	1	0.05	1.58
CENTROPAGES HAMATUS	37.0	1	0.05	1.58
ACARTIA DANAE	37.0	1	0.05	1.58
CANDACIA ARMATA A	37.0	1	0.05	1.58
EUTERPINA SP	37.0	1	0.05	1.58
FISH EGGS	37.0	1	0.05	1.58
TOTALS	41	2185	100	3449.31

- DATA NOT TAKEN

STATION 34	SERIES 2	CAST 13	DATE 10 AUG 77	LATITUDE 40 9.6 N	LONGITUDE 72 1.2 W
	START TIME 0810	FINISH TIME 1000	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH 15.0	SAMPLE TIME 0835	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0833	VOLUME COUNT 0.3165	SAMPLE NUMBER 077

SPECIES	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	460	27.96	1453.21
CENTROPAGES TYPICUS C	2.0	410	24.92	1295.25
COPEPOD NAUPLII	3.0	172	10.46	543.38
CENTROPAGES TYPICUS AF	4.0	66	4.01	208.50
CENTROPAGES TYPICUS AM	5.0	65	3.95	205.35
CORYCAEUS SPP	6.0	64	3.89	202.19
COPEPODIDS UNID	7.0	58	3.53	183.23
TEMORA STYLIFERA	8.0	53	3.22	167.44
PTEROPODS	9.0	49	2.98	154.80
MICROSETELLA NORVEGICA	10.0	44	2.67	139.00
NANNOCALANUS MINOR	11.0	42	2.55	132.68
CALOCALANUS	12.0	40	2.43	126.37
ONCAEA VENUSTA	13.0	28	1.70	88.46
ONCAEA SPP	14.0	20	1.22	63.18
LARVACEAN	15.5	16	0.97	50.55
CALOCALANUS PAVO	15.5	16	0.97	50.55
ISCHNOCALANUS PLUMULOSUS	17.0	5	0.30	15.80
CALOCALANUS STYLIREMIS	18.0	4	0.24	12.64
ACARTIA SPP C	20.0	3	0.18	9.48
POLYCHAETE LAR EAR	20.0	3	0.18	9.48
ACARTIA DANAE	20.0	3	0.18	9.48
CHAETOGNATHS	25.0	2	0.12	6.32
CANDACIA ARMATA C	25.0	2	0.12	6.32
ANTHOZOA LARVAE	25.0	2	0.12	6.32
BIVALVE LARVAE	25.0	2	0.12	6.32
CENTROPAGES HAMATUS	25.0	2	0.12	6.32
MECYNOCERA CLAUSI	25.0	2	0.12	6.32
OITHONA ATLANTICA	25.0	2	0.12	6.32
DOLIOLIDS	33.5	1	0.06	3.16
SIPHONOPHORES	33.5	1	0.06	3.16
EUTERPINA SP	33.5	1	0.06	3.16
HYPERIIDIS	33.5	1	0.06	3.16
CLAUSOCALANUS SPP C	33.5	1	0.06	3.16
EUCALANUS SPP C	33.5	1	0.06	3.16
PARACALANUS PARVUS C	33.5	1	0.06	3.16
CALANUS FINMARCHICUS A	33.5	1	0.06	3.16
PARACALANUS PARVUS AF	33.5	1	0.06	3.16
CLYTEMNESTRA SPP	33.5	1	0.06	3.16
TOTALS	38	1645	100	5196.82

- DATA NOT TAKEN

STATION 34	SERIES 2	CAST 13	DATE 10 AUG 77	LATITUDE 40 9.6 N	LONGITUDE 72 1.2 W
	START TIME 0810	FINISH TIME 1000	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH 20.0	SAMPLE TIME 0845	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0357	VOLUME COUNT 0.1357	SAMPLE NUMBER 078

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	855	45.38	6302.52
COPEPOD NAUPLII	2.0	495	26.27	3648.83
MICROSETELLA NORVEGICA	3.0	93	4.94	685.54
COPEPODIDS UNID	4.0	71	3.77	523.37
CENTROPAGES TYPICUS AM	5.5	69	3.66	508.62
CENTROPAGES TYPICUS C	5.5	69	3.66	508.62
CENTROPAGES TYPICUS AF	7.0	66	3.50	486.51
NANNOCALANUS MINOR	8.0	37	1.96	272.74
PARACALANUS PARVUS C	9.0	20	1.06	147.43
TEMORA STYLIFERA	10.0	17	0.90	125.31
CORYCAEUS SPP	11.0	16	0.85	117.94
CHAETOGNATHS	12.0	15	0.80	110.57
ACARTIA SPP C	13.0	12	0.64	88.46
PARACALANUS PARVUS AF	14.0	10	0.53	73.71
PTEROPODS	15.0	9	0.48	66.34
PARACALANUS PARVUS AM	16.0	6	0.32	44.23
HYPERIIDS	17.5	3	0.16	22.11
ISCHNOCALANUS PLUMULOSUS	17.5	3	0.16	22.11
ONCAEA SPP	21.5	2	0.11	14.74
ONCAEA VENUSTA	21.5	2	0.11	14.74
MECYNOCERA CLAUSI	21.5	2	0.11	14.74
ACARTIA DANAE	21.5	2	0.11	14.74
BIVALVE LARVAE	21.5	2	0.11	14.74
CANDACIA ARMATA C	21.5	2	0.11	14.74
CALOCALANUS PAVO	27.5	1	0.05	7.37
ANTHOZOA LARVAE	27.5	1	0.05	7.37
CANDACIA ARMATA A	27.5	1	0.05	7.37
FISH LARVAE	27.5	1	0.05	7.37
CALANUS SPP C	27.5	1	0.05	7.37
CALOCALANUS	27.5	1	0.05	7.37
TOTALS	30	1884	100	13887.66

- DATA NOT TAKEN

STATION 34	SERIES 2	CAST 13	DATE 10 AUG 77	LATITUDE 40 9.6 N	LONGITUDE 72 1.2 W
	START TIME 0810	FINISH TIME 1000	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH 25.0	SAMPLE TIME 0855	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0222	VOLUME COUNT 0.0844	SAMPLE NUMBER 079

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPOD NAUPLII - - - - -	1.0	1010	53.19	11972.50
OITHONA SIMILIS - - - - -	2.0	460	24.22	5452.82
PARACALANUS PARVUS C - - - - -	3.0	222	11.69	2631.58
COPEPODIDS UNID - - - - -	4.0	71	3.74	841.63
CENTROPAGES TYPICUS C - - - - -	5.0	51	2.69	604.55
PARACALANUS PARVUS AF - - - - -	6.0	21	1.11	248.93
MICROSETELLA NORVEGICA - - - - -	7.0	18	0.95	213.37
CENTROPAGES TYPICUS AF - - - - -	8.0	8	0.42	94.83
ONCAEA SPP - - - - -	9.5	5	0.26	59.27
ACARTIA DANAE - - - - -	9.5	5	0.26	59.27
PARACALANUS PARVUS AM - - - - -	12.0	4	0.21	47.42
PTEROPODS - - - - -	12.0	4	0.21	47.42
CHAETOGNATHS - - - - -	12.0	4	0.21	47.42
HYPERIIDS - - - - -	14.0	3	0.16	35.56
ONCAEA VENUSTA - - - - -	16.5	2	0.11	23.71
BIVALVE LARVAE - - - - -	16.5	2	0.11	23.71
CENTROPAGES TYPICUS AM - - - - -	16.5	2	0.11	23.71
CORYCAEUS SPP - - - - -	16.5	2	0.11	23.71
PSEUDOCALANUS SP AF - - - - -	21.0	1	0.05	11.85
TEMORA STYLIFERA - - - - -	21.0	1	0.05	11.85
ACARTIA SPP C - - - - -	21.0	1	0.05	11.85
NANNOCALANUS MINOR - - - - -	21.0	1	0.05	11.85
TEMORA LONGICORNIS C - - - - -	21.0	1	0.05	11.85
TOTALS	23	1899	100	22510.66

- DATA NOT TAKEN

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STATION 34	SERIES 2.	CAST 13	DATE 10 AUG 77	LATITUDE 40 9.6 N	LONGITUDE 72 1.2 W
	START TIME 0810	FINISH TIME 1000	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH 30.0	SAMPLE TIME 0920	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0312	VOLUME COUNT 0.1186	SAMPLE NUMBER 080

SPECIES	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	830	43.25	7000.67
COPEPOD NAUPLII	2.0	430	22.41	3626.86
PARACALANUS PARVUS C	3.0	155	8.08	1307.35
PARACALANUS PARVUS AF	4.0	138	7.19	1163.97
COPEPOD:DS UNID	5.0	115	5.99	969.97
CENTROPAGES TYPICUS C	6.0	81	4.22	683.20
PARACALANUS PARVUS AM	7.0	35	1.82	295.21
OITHONA ATLANTICA	8.0	25	1.30	210.86
CALANUS SPP C	9.0	17	0.89	143.39
PTEROPODS	10.0	13	0.68	109.65
MICROSETELLA NORVEGICA	11.0	12	0.63	101.21
ACARTIA DANAE	12.0	9	0.47	75.91
PSEUDOCALANUS SP C	13.5	7	0.36	59.04
CHAETOGNATHS	13.5	7	0.36	59.04
ONCAEA VENUSTA	16.5	6	0.31	50.61
CENTROPAGES TYPICUS AM	16.5	6	0.31	50.61
BIVALVE LARVAE	16.5	6	0.31	50.61
CALOCALANUS STYLIREMIS	16.5	6	0.31	50.61
PSEUDOCALANUS SP AF	19.0	5	0.26	42.17
HYPERIIDS	20.5	3	0.16	25.30
ONCAEA SPP	20.5	3	0.16	25.30
TEMORA STYLIFERA	23.0	2	0.10	16.87
ANTHOZOA LARVAE	23.0	2	0.10	16.87
CALANUS FINMARCHICUS A	23.0	2	0.10	16.87
CALOCALANUS	26.5	1	0.05	8.43
ISCHNOCALANUS PLUMULOSUS	26.5	1	0.05	8.43
CANDACIA ARMATA C	26.5	1	0.05	8.43
CORYCAEUS SPP	26.5	1	0.05	8.43
TOTALS	28	1919	100	16185.90
- DATA NOT TAKEN				

STATION 34	SERIES 2	CAST 13	DATE 10 AUG 77	LATITUDE 40 9.6 N	LONGITUDE 72 1.2 W
	START TIME 0810	FINISH TIME 1000	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH 40.0	SAMPLE TIME 0930	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0500	VOLUME COUNT 0.1900	SAMPLE NUMBER 081

S P E C I E S		RANK	COUNTS	%	NO./M3
COPEPOD NAUPLII	- - - - -	1.0	375	31.91	1973.68
PSEUDOCALANUS SP C	- - - - -	2.0	290	24.68	1526.32
COPEPODIDS UNID	- - - - -	3.0	170	14.47	894.74
OITHONA SIMILIS	- - - - -	4.0	165	14.04	868.42
CALANUS SPP C	- - - - -	5.0	50	4.26	263.16
PSEUDOCALANUS SP AF	- - - - -	6.5	41	3.49	215.79
PTEROPODS	- - - - -	6.5	41	3.49	215.79
BIVALVE LARVAE	- - - - -	8.0	16	1.36	84.21
PSEUDOCALANUS SP AM	- - - - -	9.0	8	0.68	42.11
CALANUS FINMARCHICUS A	- - - - -	10.0	6	0.51	31.58
CHAETOGNATHS	- - - - -	11.0	3	0.26	15.79
ONCAEA SPP	- - - - -	13.0	2	0.17	10.53
OITHONA ATLANTICA	- - - - -	13.0	2	0.17	10.53
CANDACIA ARMATA C	- - - - -	13.0	2	0.17	10.53
PARACALANUS PARVUS C	- - - - -	16.5	1	0.09	5.26
PARACALANUS PARVUS AF	- - - - -	16.5	1	0.09	5.26
CLYTEMNESTRA SPP	- - - - -	16.5	1	0.09	5.26
HYPERIIDIS	- - - - -	16.5	1	0.09	5.26
	TOTALS	18	1175	100	6184.21

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION 34	SERIES 2	CAST 13	DATE 10 AUG 77	LATITUDE 40 9.6 N	LONGITUDE 72 1.2 W
	START TIME 0810	FINISH TIME 1000	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH 50.0	SAMPLE TIME 0945	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0625	VOLUME COUNT 0.2375	SAMPLE NUMBER 082

S P E C I E S	RANK	COUNTS	%	NO./M3
PSEUDOCALANUS SP C	1.0	790	41.98	3326.32
COPEPODIDS UNID	2.0	275	14.61	1157.89
COPEPOD NAUPLII	3.0	265	14.08	1115.79
OITHONA SIMILIS	4.0	250	13.28	1052.63
PSEUDOCALANUS SP AF	5.0	86	4.57	362.11
PTEROPODS	6.0	60	3.19	252.63
BIVALVE LARVAE	7.0	54	2.87	227.37
CALANUS SPP C	8.0	44	2.34	185.26
ECTOPROCT LARVAE	9.0	20	1.06	84.21
CALANUS FINMARCHICUS A	10.0	11	0.58	46.32
PSEUDOCALANUS SP AM	11.0	10	0.53	42.11
CHAETOGNATHS	13.0	4	0.21	16.84
POLYCHAETE LARVAE	13.0	4	0.21	16.84
ONCAEA SPP	13.0	4	0.21	16.84
MICROSETELLA NORVEGICA	17.0	1	0.05	4.21
OITHONA ATLANTICA	17.0	1	0.05	4.21
CANDACIA ARMATA A	17.0	1	0.05	4.21
ACARTIA SPP C	17.0	1	0.05	4.21
HYPERIDS	17.0	1	0.05	4.21
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STATION 34	SERIES 2	CAST 13	DATE 10 AUG 77	LATITUDE 40 9.6 N	LONGITUDE 72 1.2 W
	START TIME 0810	FINISH TIME 1000	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH 60.0	SAMPLE TIME 0955	VOLUME SAMPLE 3.80	FRACTION COUNT 0.1250	VOLUME COUNT 0.4750	SAMPLE NUMBER 083

S P E C I E S	RANK	COUNTS	%	NO./M3
PSEUDOCALANUS SP C	1.0	855	42.90	1800.00
COPEPODIDS UNID	2.0	320	16.06	673.68
COPEPOD NAUPLII	3.0	275	13.80	578.95
PTEROPODS	4.0	100	5.02	210.53
OITHONA SIMILIS	5.0	93	4.67	195.79
CALANUS SPP C	6.0	90	4.52	189.47
PSEUDOCALANUS SP AF	7.0	76	3.81	160.00
POLYCHAETE LARVAE	8.0	71	3.56	149.47
BIVALVE LARVAE	9.0	37	1.86	77.89
PSEUDOCALANUS SP AM	10.0	17	0.85	35.79
CHAETOGNATHS	11.0	15	0.75	31.58
ONCAEA SPP	12.0	11	0.55	23.16
ECTOPROCT LARVAE	13.0	9	0.45	18.95
MICROSETELLA NORVEGICA	14.0	4	0.20	8.42
OITHONA ATLANTICA	16.0	3	0.15	6.32
HYPERIIDIS	16.0	3	0.15	6.32
GASTROPOD LARVAE	16.0	3	0.15	6.32
CALANUS FINMARCHICUS A	18.5	2	0.10	4.21
CLAUSOCALANUS PERGENS	18.5	2	0.10	4.21
ANTHOZOA LARVAE	23.0	1	0.05	2.11
CANDACIA ARMATA A	23.0	1	0.05	2.11
CANDACIA ARMATA C	23.0	1	0.05	2.11
PARACALANUS PARVUS AF	23.0	1	0.05	2.11
CENTROPAGES TYPICUS AF	23.0	1	0.05	2.11
BARNACLE CYPRISES	23.0	1	0.05	2.11
METRIDIA LUCENS AM	23.0	1	0.05	2.11
TOTALS	26	1993	100	4195.79
- DATA NOT TAKEN				

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
35	2	14	10 AUG 77	40 9.5 N	.72 0.7 W
	START TIME 1216	FINISH TIME 1345	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
1.0	1216	3.80	0.0667	0.2535	084

S P E C I E S	RANK	COUNTS	%	NO./M3
PTEROPODS - - - - -	1.0	2755	68.63	10869.57
CENTROPAGES TYPICUS C - - - - -	2.0	440	10.96	1735.97
COPEPOD NAUPLII - - - - -	3.0	230	5.73	907.44
CLAUSOCALANUS SPP C - - - - -	4.0	147	3.66	579.97
ONCAEA SPP - - - - -	5.0	82	2.04	323.52
COPEPODIDS UNID - - - - -	6.5	55	1.37	217.00
LARVACEAN - - - - -	6.5	55	1.37	217.00
CLAUSOCALANUS FURCATUS - - - - -	8.0	48	1.20	189.38
CORYCAEUS SPP - - - - -	9.0	43	1.07	169.65
ONCAEA VENUSTA - - - - -	10.0	23	0.57	90.74
OITHONA SIMILIS - - - - -	11.0	21	0.52	82.85
EVADNE SPP - - - - -	12.0	20	0.50	78.91
DOLIOLIDS - - - - -	13.0	16	0.40	63.13
CENTROPAGES TYPICUS AM - - - - -	14.0	15	0.37	59.18
CENTROPAGES TYPICUS AF - - - - -	15.0	14	0.35	55.24
MICROSETELLA NORVEGICA - - - - -	16.0	11	0.27	43.40
POLYCHAETE LAR EAR - - - - -	17.0	7	0.17	27.62
TEMORA STYLIFERA - - - - -	18.0	6	0.15	23.67
BIVALVE LARVAE - - - - -	19.5	4	0.10	15.78
PARACALANUS PARVUS AF - - - - -	19.5	4	0.10	15.78
CALOCALANUS PAVO - - - - -	21.0	3	0.07	11.84
ACARTIA SPP C - - - - -	23.5	2	0.05	7.89
ANTHOZOA LARVAE - - - - -	23.5	2	0.05	7.89
FISH EGGS - - - - -	23.5	2	0.05	7.89
CALANUS SPP C - - - - -	23.5	2	0.05	7.89
HARPACTICOIDA UNID - - - - -	29.0	1	0.02	3.95
CHAETOGNATHS - - - - -	29.0	1	0.02	3.95
PARACALANUS PARVUS C - - - - -	29.0	1	0.02	3.95
CENTROPAGES BRADYI - - - - -	29.0	1	0.02	3.95
EUCHAETA MARINA - - - - -	29.0	1	0.02	3.95
NANNOCALANUS MINOR - - - - -	29.0	1	0.02	3.95
SIPHONOPHORES - - - - -	29.0	1	0.02	3.95
TOTALS	32	4014	100	15836.82

- DATA NOT TAKEN

STATION 35	SERIES 2	CAST 14	DATE 10 AUG 77	LATITUDE 40 9.5 N	LONGITUDE 72 0.7 W
	START TIME 1216	FINISH TIME 1345	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH 5.0	SAMPLE TIME 1225	VOLUME SAMPLE 3.80	FRACTION COUNT 0.1000	VOLUME COUNT 0.3800	SAMPLE NUMBER 085

S P E C I E S	RANK COUNTS %			NO./M3
PTEROPODS - - - - -	1.0	1075	48.62	2828.95
OITHONA SIMILIS - - - - -	2.0	270	12.21	710.53
COPEPOD NAUPLII - - - - -	3.0	180	8.14	473.68
ONCAEA SPP - - - - -	4.0	150	6.78	394.74
CENTROPAGES TYPICUS C - - - - -	5.0	108	4.88	284.21
MICROSETELLA NORVEGICA - - - - -	6.0	69	3.12	181.58
COPEPODIDS UNID - - - - -	7.0	68	3.08	178.95
CORYCAEUS SPP - - - - -	8.0	45	2.04	118.42
NANNOCALANUS MINOR - - - - -	9.0	41	1.85	107.89
ONCAEA VENUSTA - - - - -	10.0	38	1.72	100.00
TEMORA STYLIFERA - - - - -	11.0	34	1.54	89.47
CENTROPAGES TYPICUS AF - - - - -	12.0	22	1.00	57.89
ACARTIA SPP C - - - - -	13.0	15	0.68	39.47
CALOCALANUS PAVO - - - - -	14.0	14	0.63	36.84
CENTROPAGES TYPICUS AM - - - - -	15.5	13	0.59	34.21
ANTHOZOA LARVAE - - - - -	15.5	13	0.59	34.21
POLYCHAETE LAR EAR - - - - -	17.0	10	0.45	26.32
PSEUDOCALANUS SP C - - - - -	18.5	7	0.32	18.42
CHAETOGNATHS - - - - -	18.5	7	0.32	18.42
DOLIOLIDS - - - - -	20.0	4	0.18	10.53
PARACALANUS PARVUS C - - - - -	21.5	3	0.14	7.89
PENILIA - - - - -	21.5	3	0.14	7.89
CANDACIA ARMATA C - - - - -	26.5	2	0.09	5.26
EVADNE SPP - - - - -	26.5	2	0.09	5.26
CALOCALANUS STYLIREMIS - - - - -	26.5	2	0.09	5.26
POLYCHAETE LARVAE - - - - -	26.5	2	0.09	5.26
FISH EGGS - - - - -	26.5	2	0.09	5.26
PARACALANUS CRASSIROSTRIS C - - - - -	26.5	2	0.09	5.26
CALANUS SPP C - - - - -	26.5	2	0.09	5.26
PARACALANUS PARVUS AM - - - - -	26.5	2	0.09	5.26
CLYTEMNESTRA SPP - - - - -	33.5	1	0.05	2.63
EUCHAETA MARINA - - - - -	33.5	1	0.05	2.63
LARVACEAN - - - - -	33.5	1	0.05	2.63
CENTROPAGES BRADYI - - - - -	33.5	1	0.05	2.63
ACARTIA DANAE - - - - -	33.5	1	0.05	2.63
PARACALANUS PARVUS AF - - - - -	33.5	1	0.05	2.63
TOTALS	36	2211	100	5818.42

- DATA NOT TAKEN

STATION 35	SERIES 2	CAST 14	DATE 10 AUG 77	LATITUDE 40 9.5 N	LONGITUDE 72 0.7 W
	START TIME 1216	FINISH TIME 1345	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH 10.0	SAMPLE TIME 1234	VOLUME SAMPLE 3.80	FRACTION COUNT 0.1364	VOLUME COUNT 0.5183	SAMPLE NUMBER 086

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPOD NAUPLII	1.0	785	31.58	1514.51
PTEROPODS	2.0	385	15.49	742.78
OITHONA SIMILIS	3.0	320	12.87	617.38
CALOCALANUS PAVO	4.0	175	7.04	337.63
CENTROPAGES TYPICUS C	5.0	170	6.84	327.98
MICROSETELLA NORVEGICA	6.0	130	5.23	250.81
NANNOCALANUS MINOR	7.0	90	3.62	173.64
COPEPODIDS UNID	8.0	85	3.42	163.99
ONCAEA SPP	9.0	61	2.45	117.69
CORYCAEUS SPP	10.0	58	2.33	111.90
TEMORA STYLIFERA	11.0	45	1.81	86.82
CENTROPAGES TYPICUS AF	12.0	29	1.17	55.95
ONCAEA VENUSTA	13.0	26	1.05	50.16
ACARTIA SPP C	14.0	24	0.97	46.30
CENTROPAGES TYPICUS AM	15.0	16	0.64	30.87
CANDACIA ARMATA C	16.0	14	0.56	27.01
LARVACEAN	17.0	10	0.40	19.29
PENILIA	18.0	9	0.36	17.36
SIPHONOPHORES	19.5	8	0.32	15.43
OITHONA ATLANTICA	19.5	8	0.32	15.43
CHAETOGNATHS	21.5	7	0.28	13.51
ANTHOZOA LARVAE	21.5	7	0.28	13.51
POLYCHAETE LAR EAR	23.0	6	0.24	11.58
POLYCHAETE LARVAE	24.0	4	0.16	7.72
HYPERIIDS	25.5	2	0.08	3.86
CANDACIA ARMATA A	25.5	2	0.08	3.86
ACARTIA TONSA	31.5	1	0.04	1.93
FISH LARVAE	31.5	1	0.04	1.93
PSEUDOCALANUS SP C	31.5	1	0.04	1.93
DECAPOD LARVAE	31.5	1	0.04	1.93
PARACALANUS PARVUS AM	31.5	1	0.04	1.93
BIVALVE LARVAE	31.5	1	0.04	1.93
PARACALANUS PARVUS C	31.5	1	0.04	1.93
MECYNOCERA CLAUSI	31.5	1	0.04	1.93
CENTROPAGES BRADYI	31.5	1	0.04	1.93
DOLIOLIDS	31.5	1	0.04	1.93
TOTALS	36	2486	100	4796.26

- DATA NOT TAKEN

STATION 35	SERIES 2	CAST 14	DATE 10 AUG 77	LATITUDE 40 9.5 N	LONGITUDE 72 0.7 W
	START TIME 1216	FINISH TIME 1345	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH 15.0	SAMPLE TIME 1243	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0182	VOLUME COUNT 0.0692	SAMPLE NUMBER 087

S P E C I E S	RANK COUNTS %			NO./M3
COPEPOD NAUPLII	1.0	765	44.02	11061.31
OITHONA SIMILIS	2.0	710	40.85	10266.05
MICROSETELLA NORVEGICA	3.0	53	3.05	766.34
COPEPODIDS UNID	4.0	49	2.82	708.50
CENTROPAGES TYPICUS C	5.0	44	2.53	636.21
NANNOCALANUS MINOR	6.0	33	1.90	477.15
PTEROPODS	7.0	20	1.15	289.18
CENTROPAGES TYPICUS AF	8.0	18	1.04	260.27
CENTROPAGES TYPICUS AM	9.0	11	0.63	159.05
TEMORA STYLIFERA	10.0	10	0.58	144.59
CORYCAEUS SPP	11.0	6	0.35	86.76
ONCAEA SPP	12.5	3	0.17	43.38
HYPERIIDIS	12.5	3	0.17	43.38
CHAETOGNATHS	14.5	2	0.12	28.92
CALOCALANUS	14.5	2	0.12	28.92
CANDACIA ARMATA C	20.0	1	0.06	14.46
ONCAEA VENUSTA	20.0	1	0.06	14.46
CENTROPAGES HAMATUS	20.0	1	0.06	14.46
PARACALANUS PARVUS C	20.0	1	0.06	14.46
CALOCALANUS STYLIREMIS	20.0	1	0.06	14.46
POLYCHAETE LARVAE	20.0	1	0.06	14.46
PARACALANUS PARVUS AF	20.0	1	0.06	14.46
SIPHONOPHORES	20.0	1	0.06	14.46
ACARTIA SPP C	20.0	1	0.06	14.46
TOTALS	24	1738	100	25130.13

- DATA NOT TAKEN

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
35	2	14	10 AUG 77	40 9.5 N	72 0.7 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	1216	1345	66	73	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
20.0	1252	3.80	0.0167	0.0635	088

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	655	47.09	10321.46
COPEPOD NAUPLII	2.0	535	38.46	8430.51
COPEPODIDS UNID	3.0	37	2.66	583.04
MICROSETELLA NORVEGICA	4.0	33	2.37	520.01
CENTROPAGES TYPICUS C	5.0	26	1.87	409.71
CENTROPAGES TYPICUS AM	6.0	20	1.44	315.16
NANNOCALANUS MINOR	7.0	15	1.08	236.37
CENTROPAGES TYPICUS AF	8.0	13	0.93	204.85
TEMORA STYLIFERA	9.5	9	0.65	141.82
PTEROPODS	9.5	9	0.65	141.82
CORYCAEUS SPP	11.0	8	0.58	126.06
ACARTIA SPP C	12.0	7	0.50	110.31
PARACALANUS PARVUS C	13.0	5	0.36	78.79
CHAETOGNATHS	14.0	4	0.29	63.03
ACARTIA DANAE	15.0	3	0.22	47.27
PARACALANUS PARVUS AF	16.0	2	0.14	31.52
CENTROPAGES BRADYI	21.5	1	0.07	15.76
CALOCALANUS	21.5	1	0.07	15.76
OITHONA ATLANTICA	21.5	1	0.07	15.76
ANTHOZOA LARVAE	21.5	1	0.07	15.76
DOLIOLIDS	21.5	1	0.07	15.76
SIPHONOPHORES	21.5	1	0.07	15.76
HYPERIDS	21.5	1	0.07	15.76
FISH LARVAE	21.5	1	0.07	15.76
ISCHNOCALANUS PLUMULOSUS	21.5	1	0.07	15.76
SAPPHIRINA SPP	21.5	1	0.07	15.76
TOTALS	26	1391	100	21919.32

- DATA NOT TAKEN

STATION 35	SERIES 2	CAST 14	DATE 10 AUG 77	LATITUDE 40 9.5 N	LONGITUDE 72 0.7 W
	START TIME 1216	FINISH TIME 1345	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH 25.0	SAMPLE TIME 1301	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0154	VOLUME COUNT 0.0585	SAMPLE NUMBER 089

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1590	39.05	27170.20
COPEPOD NAUPLII	2.0	1345	33.03	22983.59
COPEPODIDS UNID	3.0	695	17.07	11876.28
PARACALANUS PARVUS C	4.0	148	3.63	2529.05
CENTROPAGES TYPICUS C	5.0	74	1.82	1264.52
PARACALANUS PARVUS AF	6.0	44	1.08	751.88
MICROSETELLA NORVEGICA	7.0	42	1.03	717.70
CHAETOGNATHS	8.0	31	0.76	529.73
ACARTIA DANAE	9.0	18	0.44	307.59
PTEROPODS	10.0	12	0.29	205.06
ONCAEA SPP	11.0	10	0.25	170.88
HYPERIIDS	12.5	8	0.20	136.71
ISCHNOCALANUS PLUMULOSUS	12.5	8	0.20	136.71
TEMORA STYLIFERA	14.0	6	0.15	102.53
CLYTEMNESTRA SPP	16.0	5	0.12	85.44
CORYCAEUS SPP	16.0	5	0.12	85.44
PARACALANUS PARVUS AM	16.0	5	0.12	85.44
NANNOCALANUS MINOR	18.5	4	0.10	68.35
CENTROPAGES BRADYI	18.5	4	0.10	68.35
CENTROPAGES TYPICUS AF	20.5	3	0.07	51.26
CALOCALANUS	20.5	3	0.07	51.26
ONCAEA VENUSTA	23.5	2	0.05	34.18
MECYNOCERA CLAUSI	23.5	2	0.05	34.18
CALOCALANUS STYLIREMIS	23.5	2	0.05	34.18
BIVALVE LARVAE	23.5	2	0.05	34.18
CALOCALANUS PAVO	27.5	1	0.02	17.09
OITHONA ATLANTICA	27.5	1	0.02	17.09
CANDACIA ARMATA C	27.5	1	0.02	17.09
ACARTIA SPP C	27.5	1	0.02	17.09
TOTALS	29	4072	100	69583.04

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION 35	SERIES 2	CAST 14	DATE 10 AUG 77	LATITUDE 40 9.5 N	LONGITUDE 72 0.7 W
	START TIME 1216	FINISH TIME 1345	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH 30.0	SAMPLE TIME 1310	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0062	VOLUME COUNT 0.0236	SAMPLE NUMBER 090

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1130	50.70	47962.64
COPEPOD NAUPLII	2.0	680	30.51	28862.48
COPEPODIDS UNID	3.0	285	12.79	12096.77
PARACALANUS PARVUS C	4.0	41	1.84	1740.24
MICROSETELLA NORVEGICA	5.0	26	1.17	1103.57
CHAETOGNATHS	6.0	21	0.94	891.34
PARACALANUS PARVUS AF	7.0	19	0.85	806.45
CENTROPAGES TYPICUS C	8.0	9	0.40	382.00
BIVALVE LARVAE	9.5	3	0.13	127.33
ACARTIA DANAE	9.5	3	0.13	127.33
PTEROPODS	12.0	2	0.09	84.89
ONCAEA SPP	12.0	2	0.09	84.89
OITHONA ATLANTICA	12.0	2	0.09	84.89
PSEUDOCALANUS SP C	16.5	1	0.04	42.44
ONCAEA VENUSTA	16.5	1	0.04	42.44
PARACALANUS PARVUS AM	16.5	1	0.04	42.44
PENILIA	16.5	1	0.04	42.44
DECAPOD LARVAE	16.5	1	0.04	42.44
ANTHOZOA LARVAE	16.5	1	0.04	42.44
TOTALS	19	2229	100	94609.51
- DATA NOT TAKEN				

STATION 35	SERIES 2	CAST 14	DATE 10 AUG 77	LATITUDE 40 9.5 N	LONGITUDE 72 0.7 W
	START TIME 1216	FINISH TIME 1345	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH 40.0	SAMPLE TIME 1320	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0500	VOLUME COUNT 0.1900	SAMPLE NUMBER 091

S P E C I E S		RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	- - - - -	1.0	710	36.96	3736.84
COPEPOD NAUPLII	- - - - -	2.0	670	34.88	3526.32
COPEPODIDS UNID	- - - - -	3.0	158	8.22	831.58
PSEUDOCALANUS SP C	- - - - -	4.0	132	6.87	694.74
PSEUDOCALANUS SP AF	- - - - -	5.0	35	1.82	184.21
OITHONA ATLANTICA	- - - - -	6.0	34	1.77	178.95
ONCAEA SPP	- - - - -	7.0	32	1.67	168.42
CALANUS SPP C	- - - - -	8.5	30	1.56	157.89
PTEROPODS	- - - - -	8.5	30	1.56	157.89
BIVALVE LARVAE	- - - - -	10.0	28	1.46	147.37
CHAETOGNATHS	- - - - -	11.0	15	0.78	78.95
MICROSETELLA NORVEGICA	- - - - -	12.0	10	0.52	52.63
CENTROPAGES TYPICUS C	- - - - -	13.5	7	0.36	36.84
HYPERIIDIS	- - - - -	13.5	7	0.36	36.84
PARACALANUS PARVUS AF	- - - - -	15.0	6	0.31	31.58
PSEUDOCALANUS SP AM	- - - - -	16.0	4	0.21	21.05
PARACALANUS PARVUS AM	- - - - -	17.0	3	0.16	15.79
CENTROPAGES TYPICUS AM	- - - - -	18.0	2	0.10	10.53
CALOCALANUS STYLIREMIS	- - - - -	22.5	1	0.05	5.26
EUCALANUS SPP C	- - - - -	22.5	1	0.05	5.26
ONCAEA VENUSTA	- - - - -	22.5	1	0.05	5.26
PARACALANUS PARVUS C	- - - - -	22.5	1	0.05	5.26
NANNOCALANUS MINOR	- - - - -	22.5	1	0.05	5.26
CLYTEMNESTRA SPP	- - - - -	22.5	1	0.05	5.26
CALANUS FINMARCHICUS A	- - - - -	22.5	1	0.05	5.26
DOLIOLIDS	- - - - -	22.5	1	0.05	5.26
	TOTALS	26	1921	100	10110.52

- DATA NOT TAKEN

STATION 35	SERIES 2	CAST 14	DATE 10 AUG 77	LATITUDE 40 9.5 N	LONGITUDE 72 0.7 W
	START TIME 1216	FINISH TIME 1345	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH 50.0	SAMPLE TIME 1330	VOLUME SAMPLE 3.80	FRACTION COUNT 0.1000	VOLUME COUNT 0.3800	SAMPLE NUMBER 092

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPOD NAUPLII	1.0	510	34.93	1342.11
OITHONA SIMILIS	2.0	325	22.26	855.26
COPEPODIDS UNID	3.0	178	12.19	468.42
PSEUDOCALANUS SP C	4.0	175	11.99	460.53
CALANUS SPP C	5.0	62	4.25	163.16
OITHONA ATLANTICA	6.0	37	2.53	97.37
PTEROPODS	7.0	32	2.19	84.21
CHAETOGNATHS	8.0	27	1.85	71.05
PSEUDOCALANUS SP AF	9.0	22	1.51	57.89
BIVALVE LARVAE	10.0	21	1.44	55.26
ONCAEA SPP	11.0	16	1.10	42.11
MICROSETELLA NORVEGICA	12.0	15	1.03	39.47
CANDACIA ARMATA C	13.0	10	0.68	26.32
CALANUS FINMARCHICUS A	14.5	5	0.34	13.16
ECTOPROCT LARVAE	14.5	5	0.34	13.16
PARACALANUS PARVUS C	16.0	4	0.27	10.53
PSEUDOCALANUS SP AM	18.5	2	0.14	5.26
ANTHOZOA LARVAE	18.5	2	0.14	5.26
ACARTIA SPP C	18.5	2	0.14	5.26
RHINCALANUS NASUTUS	18.5	2	0.14	5.26
ACARTIA TONSA	24.5	1	0.07	2.63
CENTROPAGES TYPICUS C	24.5	1	0.07	2.63
CANDACIA ARMATA A	24.5	1	0.07	2.63
CLYTEMNESTRA SPP	24.5	1	0.07	2.63
POLYCHAETE LARVAE	24.5	1	0.07	2.63
HYPERIIDS	24.5	1	0.07	2.63
FISH EGGS	24.5	1	0.07	2.63
PARACALANUS PARVUS AM	24.5	1	0.07	2.63
TOTALS	28	1460	100	3842.11

- DATA NOT TAKEN

STATION 35	SERIES 2	CAST 14	DATE 10 AUG 77	LATITUDE 40 9.5 N	LONGITUDE 72 0.7 W
	START TIME 1216	FINISH TIME 1345	SONIC DEPTH 66	NET MESH 73	
SAMPLE DEPTH 60.0	SAMPLE TIME 1340	VOLUME SAMPLE 3.80	FRACTION COUNT 0.1250	VOLUME COUNT 0.4750	SAMPLE NUMBER 093

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPODIDS UNID	1.0	615	42.33	1294.74
PSEUDOCALANUS SP C	2.0	330	22.71	694.74
COPEPOD NAUPLII	3.0	255	17.55	536.84
OITHONA SIMILIS	4.5	41	2.82	86.32
ONCAEA SPP	4.5	41	2.82	86.32
BIVALVE LARVAE	6.0	32	2.20	67.37
PTEROPODS	7.5	31	2.13	65.26
CHAETOGNATHS	7.5	31	2.13	65.26
PSEUDOCALANUS SP AF	9.0	25	1.72	52.63
MICROSETELLA NORVEGICA	10.0	11	0.76	23.16
POLYCHAETE LARVAE	11.0	10	0.69	21.05
CLAUSOCALANUS SPP C	12.0	5	0.34	10.53
CALANUS SPP C	13.5	4	0.28	8.42
HARPACTICOIDA UNID	13.5	4	0.28	8.42
HYPERIIDIS	15.5	3	0.21	6.32
PSEUDOCALANUS SP AM	15.5	3	0.21	6.32
GASTROPOD LARVAE	17.5	2	0.14	4.21
EUPHAUSIID FURCILIAE	17.5	2	0.14	4.21
CALANUS FINMARCHICUS A	22.5	1	0.07	2.11
OITHONA ATLANTICA	22.5	1	0.07	2.11
CANDACIA ARMATA C	22.5	1	0.07	2.11
ECTOPROCT LARVAE	22.5	1	0.07	2.11
ACARTIA DANAE	22.5	1	0.07	2.11
ONCAEA VENUSTA	22.5	1	0.07	2.11
CLAUSOCALANUS PERGENS	22.5	1	0.07	2.11
METRIDIA LUCENS AF	22.5	1	0.07	2.11
TOTALS	26	1453	100	3058.95

- DATA NOT TAKEN

STATION 36	SERIES 2	CAST 15	DATE 10 AUG 77	LATITUDE 40 9.5 N	LONGITUDE 71 59.3 W
	START TIME 1625	FINISH TIME 1757	SONIC DEPTH 68	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 1625	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0333	VOLUME COUNT 0.1265	SAMPLE NUMBER 094

SPECIES	RANK	COUNTS	%	NO./M3
PTEROPODS - - - - -	1.0	1345	67.93	10629.05
CENTROPAGES TYPICUS C - - - - -	2.0	142	7.17	1122.17
COPEPOD NAUPLII - - - - -	3.0	125	6.31	987.83
OITHONA SIMILIS - - - - -	4.0	58	2.93	458.35
CORYCAEUS SPP - - - - -	5.0	44	2.22	347.72
COPEPODIDS UNID - - - - -	6.5	33	1.67	260.79
CENTROPAGES TYPICUS AM - - - - -	6.5	33	1.67	260.79
CLAUSOCALANUS SPP C - - - - -	8.5	32	1.62	252.88
ONCAEA VENUSTA - - - - -	8.5	32	1.62	252.88
TEMORA STYLIFERA - - - - -	10.0	25	1.26	197.57
CENTROPAGES TYPICUS AF - - - - -	11.5	18	0.91	142.25
ONCAEA SPP - - - - -	11.5	18	0.91	142.25
LARVACEAN - - - - -	13.0	17	0.86	134.34
MICROSETELLA NORVEGICA - - - - -	14.0	13	0.66	102.73
CLAUSOCALANUS FURCATUS - - - - -	15.0	8	0.40	63.22
BIVALVE LARVAE - - - - -	16.5	5	0.25	39.51
PARACALANUS CRASSIROSTRIS AF - - - - -	16.5	5	0.25	39.51
POLYCHAETE LAR EAR - - - - -	18.0	4	0.20	31.61
CHAETOGNATHS - - - - -	19.5	3	0.15	23.71
NANNOCALANUS MINOR - - - - -	19.5	3	0.15	23.71
PARACALANUS CRASSIROSTRIS C - - - - -	22.5	2	0.10	15.81
PENILIA - - - - -	22.5	2	0.10	15.81
POLYCHAETE LARVAE - - - - -	22.5	2	0.10	15.81
CALOCALANUS PAVO - - - - -	22.5	2	0.10	15.81
SIPHONOPHORES - - - - -	29.0	1	0.05	7.90
EVADNE SPP - - - - -	29.0	1	0.05	7.90
PODON SPP - - - - -	29.0	1	0.05	7.90
CALOCALANUS - - - - -	29.0	1	0.05	7.90
DOLIOLIDS - - - - -	29.0	1	0.05	7.90
TEMORA SPP - - - - -	29.0	1	0.05	7.90
EUTERPINA SP - - - - -	29.0	1	0.05	7.90
HETEROPODS - - - - -	29.0	1	0.05	7.90
CANDACIA ARMATA C - - - - -	29.0	1	0.05	7.90
TOTALS	33	1980	100	15647.23

- DATA NOT TAKEN

STATION 36	SERIES 2	CAST 15	DATE 10 AUG 77	LATITUDE 40 9.5 N	LONGITUDE 71 59.3 W
	START TIME 1625	FINISH TIME 1757	SONIC DEPTH 68	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 1635	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0417	VOLUME COUNT 0.1585	SAMPLE NUMBER 095

S P E C I E S	RANK	COUNTS	%	NO./M3
PTEROPODS - - - - -	1.0	1625	70.19	10254.95
CENTROPAGES TYPICUS C - - - - -	2.0	158	6.83	997.10
COPEPOD NAUPLII - - - - -	3.0	90	3.89	567.97
OITHONA SIMILIS - - - - -	4.0	69	2.98	435.44
COPEPODIDS UNID - - - - -	5.5	46	1.99	290.29
ONCAEA SPP - - - - -	5.5	46	1.99	290.29
CORYCAEUS SPP - - - - -	7.0	42	1.81	265.05
CENTROPAGES TYPICUS AM - - - - -	8.0	39	1.68	246.12
ONCAEA VENUSTA - - - - -	9.0	32	1.38	201.94
CENTROPAGES TYPICUS AF - - - - -	10.0	30	1.30	189.32
MICROSETELLA NORVEGICA - - - - -	11.0	28	1.21	176.70
TEMORA STYLIFERA - - - - -	12.0	22	0.95	138.84
CLAUSOCALANUS SPP C - - - - -	13.0	19	0.82	119.90
CLAUSOCALANUS FURCATUS - - - - -	14.0	17	0.73	107.28
DOLIOLIDS - - - - -	15.0	12	0.52	75.73
BIVALVE LARVAE - - - - -	16.5	8	0.35	50.49
EVADNE SPP - - - - -	16.5	8	0.35	50.49
NANNOCALANUS MINOR - - - - -	18.0	5	0.22	31.55
ACARTIA SPP C - - - - -	19.5	4	0.17	25.24
LARVACEAN - - - - -	19.5	4	0.17	25.24
CALOCALANUS - - - - -	22.5	2	0.09	12.62
CALANUS SPP C - - - - -	22.5	2	0.09	12.62
HYPERIIDS - - - - -	22.5	2	0.09	12.62
CALOCALANUS PAVO - - - - -	22.5	2	0.09	12.62
CLYTEMNESTRA SPP - - - - -	26.0	1	0.04	6.31
CANDACIA ARMATA C - - - - -	26.0	1	0.04	6.31
EUTERPINA SP - - - - -	26.0	1	0.04	6.31
TOTALS	27	2315	100	14609.36

- DATA NOT TAKEN

STATION 36	SERIES 2	CAST 15	DATE 10 AUG 77	LATITUDE 40 9.5 N	LONGITUDE 71 59.3 W
	START TIME 1625	FINISH TIME 1757	SONIC DEPTH 68	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 1645	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0909	VOLUME COUNT 0.3454	SAMPLE NUMBER 096

S P E C I E S	RANK	COUNTS	%	NO./M3
PTEROPODS - - - - -	1.0	600	33.59	1737.02
COPEPOD NAUPLII - - - - -	2.0	295	16.52	854.03
MICROSETELLA NORVEGICA - - - - -	3.0	178	9.97	515.31
COPEPODIDS UNID - - - - -	4.0	152	8.51	440.04
CALOCALANUS PAVO - - - - -	5.0	132	7.39	382.14
ONCAEA SPP - - - - -	6.0	122	6.83	353.19
CORYCAEUS SPP - - - - -	7.0	68	3.81	196.86
OITHONA SIMILIS - - - - -	8.0	63	3.53	182.39
TEMORA STYLIFERA - - - - -	9.0	44	2.46	127.38
ONCAEA VENUSTA - - - - -	10.0	25	1.40	72.38
OITHONA ATLANTICA - - - - -	11.0	18	1.01	52.11
CENTROPAGES TYPICUS AM - - - - -	12.0	17	0.95	49.22
CENTROPAGES TYPICUS AF - - - - -	13.0	14	0.78	40.53
CALOCALANUS - - - - -	14.0	13	0.73	37.64
CENTROPAGES TYPICUS C - - - - -	15.0	10	0.56	28.95
SIPHONOPHORES - - - - -	16.0	7	0.39	20.27
CHAETOGNATHS - - - - -	17.0	4	0.22	11.58
CLAUSOCALANUS SPP C - - - - -	19.0	3	0.17	8.69
NANNOCALANUS MINOR - - - - -	19.0	3	0.17	8.69
POLYCHAETE LARVAE - - - - -	19.0	3	0.17	8.69
POLYCHAETE LAR EAR - - - - -	23.0	2	0.11	5.79
PARACALANUS PARVUS AF - - - - -	23.0	2	0.11	5.79
ACARTIA DANAE - - - - -	23.0	2	0.11	5.79
CANDACIA ARMATA C - - - - -	23.0	2	0.11	5.79
SCOLECITHRIX SPP - - - - -	23.0	2	0.11	5.79
BARNACLE NAUPLII - - - - -	28.0	1	0.06	2.90
CLAUSOCALANUS FURCATUS - - - - -	28.0	1	0.06	2.90
ACARTIA SPP C - - - - -	28.0	1	0.06	2.90
CALANUS SPP C - - - - -	28.0	1	0.06	2.90
CANDACIA ARMATA A - - - - -	28.0	1	0.06	2.90
TOTALS	30	1786	100	5170.52
- DATA NOT TAKEN				

STATION 36	SERIES 2	CAST 15	DATE 10 AUG 77	LATITUDE 40 9.5 N	LONGITUDE 71 59.3 W
	START TIME 1625	FINISH TIME 1757	SONIC DEPTH 68	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 1655	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0500	VOLUME COUNT 0.1900	SAMPLE NUMBER 097

S P E C I E S	RANK COUNTS %			NO./M3
COPEPOD NAUPLII	1.0	825	38.21	4342.10
PTEROPODS	2.0	635	29.41	3342.10
OITHONA SIMILIS	3.0	400	18.53	2105.26
COPEPODIDS UNID	4.0	68	3.15	357.89
CENTROPAGES TYPICUS C	5.0	58	2.69	305.26
CENTROPAGES TYPICUS AM	6.0	30	1.39	157.89
CENTROPAGES TYPICUS AF	7.0	22	1.02	115.79
MICROSETELLA NORVEGICA	8.0	18	0.83	94.74
TEMORA STYLIFERA	9.5	17	0.79	89.47
ACARTIA DANAE	9.5	17	0.79	89.47
NANNOCALANUS MINOR	11.0	13	0.60	68.42
CORYCAEUS SPP	12.0	10	0.46	52.63
CALOCALANUS PAVO	13.0	8	0.37	42.11
ONCAEA SPP	15.0	6	0.28	31.58
ONCAEA VENUSTA	15.0	6	0.28	31.58
CHAETOGNATHS	15.0	6	0.28	31.58
CALOCALANUS	17.0	4	0.19	21.05
ACARTIA SPP C	19.0	3	0.14	15.79
CANDACIA ARMATA C	19.0	3	0.14	15.79
OITHONA ATLANTICA	19.0	3	0.14	15.79
BIVALVE LARVAE	21.5	2	0.09	10.53
ISCHNOCALANUS PLUMULOSUS	21.5	2	0.09	10.53
SIPHONOPHORES	24.0	1	0.05	5.26
PARACALANUS PARVUS AF	24.0	1	0.05	5.26
LARVACEAN	24.0	1	0.05	5.26
TOTALS	25	2159	100	11363.15

- DATA NOT TAKEN

STATION 36	SERIES 2	CAST 15	DATE 10 AUG 77	LATITUDE 40 9.5 N	LONGITUDE 71 59.3 W
	START TIME 1625	FINISH TIME 1757	SONIC DEPTH 68	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 1700	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0357	VOLUME COUNT 0.1357	SAMPLE NUMBER 098

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1190	44.12	8771.93
COPEPOD NAUPLII	2.0	1180	43.75	8698.22
PTEROPODS	3.0	175	6.49	1289.99
MICROSETELLA NORVEGICA	4.0	48	1.78	353.83
COPEPODIDS UNID	5.0	40	1.48	294.85
ACARTIA DANAE	6.0	21	0.78	154.80
CHAETOGNATHS	7.0	11	0.41	81.09
TEMORA SPP	8.0	9	0.33	66.34
CORYCAEUS SPP	9.0	7	0.26	51.60
ONCAEA VENUSTA	10.5	3	0.11	22.11
NANNOCALANUS MINOR	10.5	3	0.11	22.11
HYPERIIDS	12.5	2	0.07	14.74
DOLIOLIDS	12.5	2	0.07	14.74
ONCAEA SPP	16.5	1	0.04	7.37
CALOCALANUS	16.5	1	0.04	7.37
CENTROPAGES TYPICUS AM	16.5	1	0.04	7.37
SIPHONOPHORES	16.5	1	0.04	7.37
DECAPOD LARVAE	16.5	1	0.04	7.37
FISH LARVAE	16.5	1	0.04	7.37
TOTALS	19	2697	100	19880.58

- DATA NOT TAKEN

STATION 36	SERIES 2	CAST 15	DATE 10 AUG 77	LATITUDE 40 9.5 N	LONGITUDE 71 59.3 W
	START TIME 1625	FINISH TIME 1757	SONIC DEPTH 68	NET MESH 70	
SAMPLE DEPTH 25.0	SAMPLE TIME 1710	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0200	VOLUME COUNT 0.0760	SAMPLE NUMBER 099

S P E C I E S		RANK COUNTS %			NO./M3
OITHONA SIMILIS	- - - - -	1.0	1365	59.48	17960.53
COPEPOD NAUPLII	- - - - -	2.0	495	21.57	6513.16
COPEPODIDS UNID	- - - - -	3.0	240	10.46	3157.89
CENTROPAGES TYPICUS C	- - - - -	4.0	58	2.53	763.16
MICROSETELLA NORVEGICA	- - - - -	5.0	38	1.66	500.00
PTEROPODS	- - - - -	6.0	24	1.05	315.79
CHAETOGNATHS	- - - - -	7.0	20	0.87	263.16
ACARTIA DANAE	- - - - -	8.5	16	0.70	210.53
NANNOCALANUS MINOR	- - - - -	8.5	16	0.70	210.53
TEMORA SPP	- - - - -	10.0	8	0.35	105.26
CORYCAEUS SPP	- - - - -	11.0	7	0.31	92.11
CENTROPAGES TYPICUS AF	- - - - -	12.0	4	0.17	52.63
CLAUSOCALANUS SPP	- - - - -	13.0	2	0.09	26.32
MECYNOCERA CLAUSI	- - - - -	14.5	1	0.04	13.16
DECAPOD LARVAE	- - - - -	14.5	1	0.04	13.16
TOTALS		15	2295	100	30197.37
- DATA NOT TAKEN					

STATION 36	SERIES 2	CAST 15	DATE 10 AUG 77	LATITUDE 40 9.5 N	LONGITUDE 71 59.3 W
	START TIME 1625	FINISH TIME 1757	SONIC DEPTH 68	NET MESH 70	
SAMPLE DEPTH 30.0	SAMPLE TIME 1720	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0200	VOLUME COUNT 0.0760	SAMPLE NUMBER 100

S P E C I E S		RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	- - - - -	1.0	1115	46.67	14671.05
COPEPOD NAUPLII	- - - - -	2.0	690	28.88	9078.95
COPEPODIDS UNID	- - - - -	3.0	325	13.60	4276.32
MICROSETELLA NORVEGICA	- - - - -	4.0	70	2.93	921.05
PARACALANUS PARVUS C	- - - - -	5.0	58	2.43	763.16
CHAETOGNATHS	- - - - -	6.0	31	1.30	407.89
PTEROPODS	- - - - -	7.0	20	0.84	263.16
PARACALANUS PARVUS AF	- - - - -	8.0	15	0.63	197.37
ACARTIA DANAE	- - - - -	9.0	14	0.59	184.21
CENTROPAGES TYPICUS C	- - - - -	10.0	11	0.46	144.74
OITHONA ATLANTICA	- - - - -	11.0	10	0.42	131.58
TEMORA STYLIFERA	- - - - -	12.0	9	0.38	118.42
ONCAEA SPP	- - - - -	13.0	7	0.29	92.11
CALOCALANUS	- - - - -	14.5	3	0.13	39.47
ONCAEA VENUSTA	- - - - -	14.5	3	0.13	39.47
CALANUS SPP C	- - - - -	16.5	2	0.08	26.32
CORYCAEUS SPP	- - - - -	16.5	2	0.08	26.32
MECYNOCERA CLAUSI	- - - - -	19.5	1	0.04	13.16
BIVALVE LARVAE	- - - - -	19.5	1	0.04	13.16
CENTROPAGES TYPICUS AM	- - - - -	19.5	1	0.04	13.16
HYPERIIDS	- - - - -	19.5	1	0.04	13.16
	TOTALS	21	2389	100	31434.21
- DATA NOT TAKEN					

STATION 36	SERIES 2	CAST 15	DATE 10 AUG 77	LATITUDE 40 9.5 N	LONGITUDE 71 59.3 W
	START TIME 1625	FINISH TIME 1757	SONIC DEPTH 68	NET MESH 70	
SAMPLE DEPTH 40.0	SAMPLE TIME 1730	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0333	VOLUME COUNT 0.1265	SAMPLE NUMBER 101

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	510	46.11	4030.35
COPEPOD NAUPLII	2.0	300	27.12	2370.79
COPEPODIDS UNID	3.0	52	4.70	410.94
CENTROPAGES TYPICUS C	4.0	44	3.98	347.72
PARACALANUS PARVUS AF	5.0	36	3.25	284.49
CALANUS SPP C	6.0	24	2.17	189.66
CHAETOGNATHS	7.0	22	1.99	173.86
PTEROPODS	8.5	21	1.90	165.96
PARACALANUS PARVUS C	8.5	21	1.90	165.96
PSEUDOCALANUS SP C	10.0	17	1.54	134.34
OITHONA ATLANTICA	11.0	15	1.36	118.54
MICROSETELLA NORVEGICA	12.0	9	0.81	71.12
BIVALVE LARVAE	13.0	8	0.72	63.22
ONCAEA SPP	14.0	7	0.63	55.32
PARACALANUS PARVUS AM	15.5	4	0.36	31.61
PSEUDOCALANUS SP AF	15.5	4	0.36	31.61
ONCAEA VENUSTA	17.5	3	0.27	23.71
CALOCALANUS	17.5	3	0.27	23.71
PLUTEI	19.0	2	0.18	15.81
CENTROPAGES TYPICUS AM	21.5	1	0.09	7.90
CORYCAEUS SPP	21.5	1	0.09	7.90
PSEUDOCALANUS SP AM	21.5	1	0.09	7.90
CALANUS FINMARCHICUS A	21.5	1	0.09	7.90
TOTALS	23	1106	100	8740.32

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION 36	SERIES 2	CAST 15	DATE 10 AUG 77	LATITUDE 40 9.5 N	LONGITUDE 71 59.3 W
	START TIME 1625	FINISH TIME 1757	SONIC DEPTH 68	NET MESH 70	
SAMPLE DEPTH 50.0	SAMPLE TIME 1742	VOLUME SAMPLE 3.80	FRACTION COUNT 0.1250	VOLUME COUNT 0.4750	SAMPLE NUMBER 102

S P E C I E S	RANK	COUNTS	%	NO./M3
PSEUDOCALANUS SP C - - - - -	1.0	410	31.88	863.16
COPEPOD NAUPLII - - - - -	2.0	295	22.94	621.05
OITHONA SIMILIS - - - - -	3.0	188	14.62	395.79
COPEPOIDS UNID - - - - -	4.0	97	7.54	204.21
CALANUS SPP C - - - - -	5.0	81	6.30	170.53
OITHONA ATLANTICA - - - - -	6.0	37	2.88	77.89
PTEROPODS - - - - -	7.0	36	2.80	75.79
PSEUDOCALANUS SP AF - - - - -	8.0	30	2.33	63.16
ONCAEA SPP - - - - -	9.0	19	1.48	40.00
BIVALVE LARVAE - - - - -	10.0	17	1.32	35.79
CHAETOGNATHS - - - - -	11.0	12	0.93	25.26
MICROSETELLA NORVEGICA - - - - -	12.0	11	0.86	23.16
CANDACIA ARMATA C - - - - -	13.0	10	0.78	21.05
CALANUS FINMARCHICUS A - - - - -	14.0	7	0.54	14.74
ONCAEA VENUSTA - - - - -	15.5	6	0.47	12.63
PSEUDOCALANUS SP AM - - - - -	15.5	6	0.47	12.63
METRIDIA LUCENS AF - - - - -	17.0	5	0.39	10.53
PARACALANUS PARVUS C - - - - -	18.5	3	0.23	6.32
METRIDIA LUCENS C - - - - -	18.5	3	0.23	6.32
CENTROPAGES TYPICUS C - - - - -	22.0	2	0.16	4.21
HYPERIIDS - - - - -	22.0	2	0.16	4.21
PLUTEI - - - - -	22.0	2	0.16	4.21
CANDACIA ARMATA A - - - - -	22.0	2	0.16	4.21
ECTOPROCT LARVAE - - - - -	22.0	2	0.16	4.21
CENTROPAGES TYPICUS AM - - - - -	26.0	1	0.08	2.11
PARACALANUS PARVUS AF - - - - -	26.0	1	0.08	2.11
PARACALANUS PARVUS AM - - - - -	26.0	1	0.08	2.11
TOTALS	27	1286	100	2707.37
- DATA NOT TAKEN				

STATION 36	SERIES 2	CAST 15	DATE 10 AUG 77	LATITUDE 40 9.5 N	LONGITUDE 71 59.3 W
	START TIME 1625	FINISH TIME 1757	SONIC DEPTH 68	NET MESH 70	
SAMPLE DEPTH 60.0	SAMPLE TIME 1752	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0714	VOLUME COUNT 0.2713	SAMPLE NUMBER 103

S P E C I E S	RANK COUNTS %			NO./M3	
PSEUDOCALANUS SP C	- - - - -	1.0	710	66.85	2616.84
COPEPOD NAUPLII	- - - - -	2.0	210	19.77	773.99
OITHONA SIMILIS	- - - - -	3.0	41	3.86	151.11
PTEROPODS	- - - - -	4.0	33	3.11	121.63
ONCAEA SPP	- - - - -	5.0	17	1.60	62.66
PSEUDOCALANUS SP AF	- - - - -	6.0	15	1.41	55.29
BIVALVE LARVAE	- - - - -	7.0	10	0.94	36.86
CHAETOGNATHS	- - - - -	8.0	8	0.75	29.49
MICROSETELLA NORVEGICA	- - - - -	9.5	4	0.38	14.74
POLYCHAETE LARVAE	- - - - -	9.5	4	0.38	14.74
CALANUS SPP C	- - - - -	11.0	3	0.28	11.06
COPEPODIDS UNID	- - - - -	12.5	2	0.19	7.37
ACARTIA DANAÉ	- - - - -	12.5	2	0.19	7.37
PSEUDOCALANUS SP AM	- - - - -	15.0	1	0.09	3.69
EUPHAUSIID FURCILLIAE	- - - - -	15.0	1	0.09	3.69
CANDACIA ARMATA C	- - - - -	15.0	1	0.09	3.69
	TOTALS	16	1062	100	3914.20
- DATA NOT TAKEN					

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
37	2	16	10 AUG 77	40 9.4 N	72 0.0 W
	START TIME 2030	FINISH TIME 2200	SONIC DEPTH 68	NET MESH 73	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
1.0	2030	3.80	0.1000	0.3800	104

S P E C I E S				RANK	COUNTS	%	NO./M3
CENTROPAGES TYPICUS C	- - - - -	1.0	1080	54.49	2842.10		
PTEROPODS	- - - - -	2.0	510	25.73	1342.11		
CENTROPAGES TYPICUS AM	- - - - -	3.0	51	2.57	134.21		
CLAUSOCALANUS SPP C	- - - - -	4.0	44	2.22	115.79		
NANNOCALANUS MINOR	- - - - -	5.0	43	2.17	113.16		
COPEPOD NAUPLII	- - - - -	6.0	34	1.72	89.47		
DOLIOLIDS	- - - - -	7.0	28	1.41	73.68		
CORYCAEUS SPP	- - - - -	8.0	27	1.36	71.05		
CENTROPAGES TYPICUS AF	- - - - -	9.0	23	1.16	60.53		
TEMORA STYLIFERA	- - - - -	10.0	22	1.11	57.89		
ONCAEA VENUSTA	- - - - -	11.5	18	0.91	47.37		
COPEPODIDS UNID	- - - - -	11.5	18	0.91	47.37		
CALOCALANUS PAVO	- - - - -	13.0	13	0.66	34.21		
ONCAEA SPP	- - - - -	14.0	10	0.50	26.32		
OITHONA SIMILIS	- - - - -	15.0	9	0.45	23.68		
EVADNE SPP	- - - - -	16.0	7	0.35	18.42		
PARACALANUS CRASSIROSTRIS C	- - - - -	18.5	6	0.30	15.79		
CLAUSOCALANUS FURCATUS	- - - - -	18.5	6	0.30	15.79		
MICROSETELLA NORVEGICA	- - - - -	18.5	6	0.30	15.79		
DECAPOD LARVAE	- - - - -	18.5	6	0.30	15.79		
BIVALVE LARVAE	- - - - -	21.0	5	0.25	13.16		
LARVACEAN	- - - - -	22.0	4	0.20	10.53		
POLYCHAETE LAR EAR	- - - - -	23.0	3	0.15	7.89		
EUCHAETA MARINA	- - - - -	25.0	2	0.10	5.26		
CANDACIA ARMATA C	- - - - -	25.0	2	0.10	5.26		
FISH LARVAE	- - - - -	25.0	2	0.10	5.26		
ECTOPROCT LARVAE	- - - - -	28.0	1	0.05	2.63		
PENILIA	- - - - -	28.0	1	0.05	2.63		
PARACALANUS PARVUS C	- - - - -	28.0	1	0.05	2.63		
TOTALS		29	1982	100	5215.79		

- DATA NOT TAKEN

STATION 37	SERIES 2	CAST 16	DATE 10 AUG 77	LATITUDE 40 9.4 N	LONGITUDE 72 0.0 W
	START TIME 2030	FINISH TIME 2200	SONIC DEPTH 68	NET MESH 73	
SAMPLE DEPTH 5.0	SAMPLE TIME 2039	VOLUME SAMPLE 3.80	FRACTION COUNT 0.1071	VOLUME COUNT 0.4070	SAMPLE NUMBER 105

S P E C I E S	RANK	COUNTS	%	NO./M3
CENTROPAGES TYPICUS C	1.0	1030	40.25	2530.84
PTEROPODS	2.0	855	33.41	2100.84
COPEPOD NAUPLII	3.0	86	3.36	211.31
CLAUSOCALANUS SPP C	4.0	64	2.50	157.26
GITHONA SIMILIS	5.5	49	1.91	120.40
COPEPODIDS UNID	5.5	49	1.91	120.40
CORYCAEUS SPP	7.0	48	1.88	117.94
ONCAEA SPP	8.0	46	1.80	113.03
ONCAEA VENUSTA	9.0	41	1.60	100.74
NANNOCALANUS MINOR	10.0	39	1.52	95.83
TEMORA STYLIFERA	11.0	38	1.48	93.37
MICROSETELLA NORVEGICA	12.0	33	1.29	81.09
CENTROPAGES TYPICUS AM	13.0	32	1.25	78.63
CENTROPAGES TYPICUS AF	14.0	25	0.98	61.43
CALOCALANUS PAVO	15.0	20	0.78	49.14
DOLIOLIDS	16.0	19	0.74	46.69
LARVACEAN	17.0	13	0.51	31.94
CLAUSOCALANUS FURCATUS	18.0	12	0.47	29.49
PENILIA	19.0	11	0.43	27.03
BIVALVE LARVAE	20.0	9	0.35	22.11
EVADNE SPP	21.0	7	0.27	17.20
CANDACIA ARMATA C	22.0	5	0.20	12.29
MECYNOCERA CLAUSI	24.0	4	0.16	9.83
ACARTIA DANAE	24.0	4	0.16	9.83
POLYCHAETE LAR EAR	24.0	4	0.16	9.83
CHAETOGNATHS	26.0	3	0.12	7.37
HYPERIIDS	28.0	2	0.08	4.91
PARACALANUS CRASSIROSTRIS C	28.0	2	0.08	4.91
PARACALANUS PARVUS AF	28.0	2	0.08	4.91
POLYCHAETE LARVAE	33.0	1	0.04	2.46
TEMORA LONGICORNIS AM	33.0	1	0.04	2.46
CENTROPAGES BRADYI	33.0	1	0.04	2.46
FISH LARVAE	33.0	1	0.04	2.46
HARPACTICOIDA UNID	33.0	1	0.04	2.46
FISH EGGS	33.0	1	0.04	2.46
ISOPODS	33.0	1	0.04	2.46
TOTALS	36	2559	100	6287.78

- DATA NOT TAKEN

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
37	2	16	10 AUG 77	40 9.4 N	72 0.0 W
	START TIME 2030	FINISH TIME 2200	SONIC DEPTH 68	NET MESH 73	
SAMPLE DEPTH 10.0	SAMPLE TIME 2049	VOLUME SAMPLE 3.80	FRACTION COUNT 0.1000	VOLUME COUNT 0.3800	SAMPLE NUMBER 106

S P E C I E S	RANK COUNTS %			NO./M3
PTEROPODS	1.0	1200	42.13	3157.89
CENTROPAGES TYPICUS C	2.0	300	10.53	789.47
MICROSETELLA NORVEGICA	3.0	270	9.48	710.53
COPEPOD NAUPLII	4.0	225	7.90	592.11
ONCAEA SPP	5.0	143	5.02	376.32
OITHONA SIMILIS	6.0	112	3.93	294.74
CORYCAEUS SPP	7.0	80	2.81	210.53
NANNOCALANUS MINOR	8.0	69	2.42	181.58
CALOCALANUS PAVO	9.0	64	2.25	168.42
ONCAEA VENUSTA	10.0	60	2.11	157.89
COPEPODIDS UNID	11.0	59	2.07	155.26
TEMORA STYLIFERA	12.0	50	1.76	131.58
CENTROPAGES TYPICUS AF	13.0	49	1.72	128.95
CENTROPAGES TYPICUS AM	14.0	45	1.58	118.42
ACARTIA DANAE	15.0	21	0.74	55.26
ACARTIA SPP C	16.0	17	0.60	44.74
LARVACEAN	17.0	15	0.53	39.47
CLAUSOCALANUS SPP C	18.0	14	0.49	36.84
DOLIOLIDS	19.0	11	0.39	28.95
CLAUSOCALANUS FURCATUS	20.5	5	0.18	13.16
PENILIA	20.5	5	0.18	13.16
POLYCHAETE LARVAE	23.0	4	0.14	10.53
EVADNE SPP	23.0	4	0.14	10.53
SIPHONOPHORES	23.0	4	0.14	10.53
POLYCHAETE LAR EAR	26.0	3	0.11	7.89
BIVALVE LARVAE	26.0	3	0.11	7.89
OITHONA ATLANTICA	26.0	3	0.11	7.89
CANDACIA ARMATA C	29.5	2	0.07	5.26
CANDACIA ARMATA A	29.5	2	0.07	5.26
HARPACTICOIDA UNID	29.5	2	0.07	5.26
ANTHOZOA LARVAE	29.5	2	0.07	5.26
DECAPOD LARVAE	34.0	1	0.04	2.63
SCOLECITHRIX DANAE	34.0	1	0.04	2.63
HYPERIIDS	34.0	1	0.04	2.63
FISH LARVAE	34.0	1	0.04	2.63
CHAETOGNATHS	34.0	1	0.04	2.63
TOTALS	36	2848	100	7494.73

- DATA NOT TAKEN

STATION 37	SERIES 2	CAST 16	DATE 10 AUG 77	LATITUDE 40 9.4 N	LONGITUDE 72 0.0 W
	START TIME 2030	FINISH TIME 2200	SONIC DEPTH 68	NET MESH 73	
SAMPLE DEPTH 15.0	SAMPLE TIME 2100	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0500	VOLUME COUNT 0.1900	SAMPLE NUMBER 107

S P E C I E S	RANK COUNTS %			NO./M3
COPEPOD NAUPLII	1.0	455	32.50	2394.74
OITHONA SIMILIS	2.0	320	22.86	1684.21
COPEPODIDS UNID	3.0	132	9.43	694.74
MICROSETELLA NORVEGICA	4.0	74	5.29	389.47
CENTROPAGES TYPICUS C	5.0	71	5.07	373.68
PTEROPODS	6.0	52	3.71	273.68
CORYCAEUS SPP	7.0	37	2.64	194.74
CENTROPAGES TYPICUS AF	8.0	32	2.29	168.42
CENTROPAGES TYPICUS AM	9.0	28	2.00	147.37
NANNOCALANUS MINOR	10.0	27	1.93	142.11
TEMORA STYLIFERA	11.0	24	1.71	126.32
SIPHONOPHORES	12.0	23	1.64	121.05
CALOCALANUS	13.0	19	1.36	100.00
PARACALANUS PARVUS C	14.0	18	1.29	94.74
ONCAEA VENUSTA	15.0	14	1.00	73.68
ONCAEA SPP	16.0	12	0.86	63.16
ACARTIA SPP C	17.0	10	0.71	52.63
PARACALANUS PARVUS AF	18.5	7	0.50	36.84
ACARTIA DANAE	18.5	7	0.50	36.84
CHAETOGNATHS	21.0	6	0.43	31.58
PARACALANUS PARVUS AM	21.0	6	0.43	31.58
CALOCALANUS PAVO	21.0	6	0.43	31.58
OITHONA ATLANTICA	23.0	5	0.36	26.32
ISCHNOCALANUS PLUMULOSUS	24.0	4	0.29	21.05
POLYCHAETE LAR EAR	26.0	2	0.14	10.53
FISH LARVAE	26.0	2	0.14	10.53
HARPACTICOIDA UNID	26.0	2	0.14	10.53
PENILIA	30.0	1	0.07	5.26
HYPERIIDS	30.0	1	0.07	5.26
ANTHOZOA LARVAE	30.0	1	0.07	5.26
POLYCHAETE LARVAE	30.0	1	0.07	5.26
CANDACIA ARMATA C	30.0	1	0.07	5.26
TOTALS	32	1400	100	7368.42

- DATA NOT TAKEN

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
37	2	16	10 AUG 77	40 9.4 N	72 0.0 W
	START TIME 2030	FINISH TIME 2200	SONIC DEPTH 68	NET MESH 73	
SAMPLE DEPTH 20.0	SAMPLE TIME 2106	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0286	VOLUME COUNT 0.1087	SAMPLE NUMBER 108

S P E C I E S	RANK COUNTS %			NO./M3
COPEPOD NAUPLII	1.0	800	41.99	7361.06
OITHONA SIMILIS	2.0	435	22.83	4002.58
COPEPODIDS UNID	3.0	195	10.24	1794.26
PARACALANUS PARVUS C	4.0	162	8.50	1490.61
CENTROPAGES TYPICUS C	5.0	88	4.62	809.72
MICROSETELLA NORVEGICA	6.0	58	3.04	533.68
PARACALANUS PARVUS AF	7.0	34	1.78	312.85
NANNOCALANUS MINOR	8.0	20	1.05	184.03
PARACALANUS PARVUS AM	9.0	16	0.84	147.22
PTEROPODS	10.0	15	0.79	138.02
CHAETOGNATHS	11.0	13	0.68	119.62
TEMORA STYLIFERA	12.0	10	0.52	92.01
CENTROPAGES TYPICUS AM	13.0	9	0.47	82.81
ACARTIA SPP C	14.0	8	0.42	73.61
CENTROPAGES TYPICUS AF	15.5	7	0.37	64.41
ONCAEA SPP	15.5	7	0.37	64.41
PENILIA	17.0	6	0.31	55.21
ACARTIA DANAE	18.0	5	0.26	46.01
CORYCAEUS SPP	19.0	4	0.21	36.91
LARVACEAN	20.5	2	0.10	18.40
DOLLOIDS	20.5	2	0.10	18.40
SIPHONOPHORES	26.0	1	0.05	9.20
ONCAEA VENUSTA	26.0	1	0.05	9.20
EVADNE SPP	26.0	1	0.05	9.20
ANTHOZOA LARVAE	26.0	1	0.05	9.20
CLYTEMNESTRA SPP	26.0	1	0.05	9.20
CENTROPAGES BRADYI	26.0	1	0.05	9.20
PSEUDOCALANUS SP AF	26.0	1	0.05	9.20
CANDACIA ARMATA C	26.0	1	0.05	9.20
OSTRACODS	26.0	1	0.05	9.20
TOTALS	30	1905	100	17528.52

- DATA NOT TAKEN

STATION 37	SERIES 2	CAST 16	DATE 10 AUG 77	LATITUDE 40 9.4 N	LONGITUDE 72 0.0 W
	START TIME 2030	FINISH TIME 2200	SONIC DEPTH 68	NET MESH 73	
SAMPLE DEPTH 25.0	SAMPLE TIME 2115	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0143	VOLUME COUNT 0.0543	SAMPLE NUMBER 109

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1225	45.10	22543.25
COPEPOD NAUPLII	2.0	890	32.77	16378.36
COPEPODIDS UNID	3.0	198	7.29	3643.72
PARACALANUS PARVUS C	4.0	168	6.19	3091.65
PARACALANUS PARVUS AF	5.0	86	3.17	1582.63
MICROSETELLA NORVEGICA	6.0	31	1.14	570.48
CENTROPAGES TYPICUS C	7.0	30	1.10	552.08
CHAETOGNATHS	8.0	16	0.59	294.44
ACARTIA SPP C	9.5	15	0.55	276.04
PENILIA	9.5	15	0.55	276.04
TEMORA STYLIFERA	11.5	6	0.22	110.42
PTEROPODS	11.5	6	0.22	110.42
ONCAEA VENUSTA	13.5	4	0.15	73.61
CENTROPAGES TYPICUS AF	13.5	4	0.15	73.61
ONCAEA SPP	16.0	3	0.11	55.21
PARACALANUS PARVUS AM	16.0	3	0.11	55.21
DOLIOLIDS	16.0	3	0.11	55.21
HYPERIIDS	20.0	2	0.07	36.81
ACARTIA DANAE	20.0	2	0.07	36.81
LARVACEAN	20.0	2	0.07	36.81
NANNOCALANUS MINOR	20.0	2	0.07	36.81
CALOCALANUS	20.0	2	0.07	36.81
PSEUDOCALANUS SP AF	24.0	1	0.04	18.40
BIVALVE LARVAE	24.0	1	0.04	18.40
CENTROPAGES TYPICUS AM	24.0	1	0.04	18.40
TOTALS	25	2716	100	49981.58

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION 37	SERIES 2	CAST 16	DATE 10 AUG 77	LATITUDE 40 9.4 N	LONGITUDE 72 0.0 W
	START TIME 2030	FINISH TIME 2200	SONIC DEPTH 68	NET MESH 73	
SAMPLE DEPTH 30.0	SAMPLE TIME 2125	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0278	VOLUME COUNT 0.1056	SAMPLE NUMBER 110

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1860	45.57	17606.97
COPEPOD NAUPLII	2.0	1525	37.36	14435.82
COPEPODIDS UNID	3.0	305	7.47	2887.16
MICROSETELLA NORVEGICA	4.0	168	4.12	1590.31
PARACALANUS PARVUS C	5.0	38	0.93	359.71
PARACALANUS PARVUS AF	6.0	34	0.83	321.85
PTEROPODS	7.0	30	0.73	283.98
CHAETOGNATHS	8.0	19	0.47	179.86
OITHONA ATLANTICA	9.0	18	0.44	170.39
PSEUDOCALANUS SP C	10.0	16	0.39	151.46
PENILIA	11.0	15	0.37	141.99
CALOCALANUS STYLIREMIS	12.0	13	0.32	123.06
CENTROPAGES TYPICUS C	13.0	6	0.15	56.80
BIVALVE LARVAE	15.0	5	0.12	47.33
ONCAEA SPP	15.0	5	0.12	47.33
PSEUDOCALANUS SP AF	15.0	5	0.12	47.33
HYPERIIDS	17.0	4	0.10	37.86
ISCHNOCALANUS PLUMULOSUS	18.0	3	0.07	29.40
CANDACIA ARMATA C	20.5	2	0.05	18.93
SIPHONOPHORES	20.5	2	0.05	18.93
RHINCALANUS NASUTUS	20.5	2	0.05	18.93
CALANUS SPP C	20.5	2	0.05	18.93
EVADNE SPP	25.0	1	0.02	9.47
EUPHAUSIID NAUPLII	25.0	1	0.02	9.47
METRIDIA LUCENS AF	25.0	1	0.02	9.47
ACARTIA DANAE	25.0	1	0.02	9.47
PARACALANUS PARVUS AM	25.0	1	0.02	9.47
TOTALS	27	4082	100	38640.67

- DATA NOT TAKEN

STATION 37	SERIES 2	CAST 16	DATE 10 AUG 77	LATITUDE 40 9.4 N	LONGITUDE 72 0.0 W
	START TIME 2030	FINISH TIME 2200	SONIC DEPTH 68	NET MESH 73	
SAMPLE DEPTH 40.0	SAMPLE TIME 2133	VOLUME SAMPLE 3.80	FRACTION COUNT 0.1000	VOLUME COUNT 0.3800	SAMPLE NUMBER 111

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1160	59.43	3052.63
COPEPOD NAUPLII	2.0	345	17.67	907.89
COPEPOIDS UNID	3.0	178	9.12	468.42
OITHONA ATLANTICA	4.0	78	4.00	205.26
PSEUDOCALANUS SP C	5.0	65	3.33	171.05
CALANUS SPP C	6.5	26	1.33	68.42
PTEROPODS	6.5	26	1.33	68.42
PSEUDOCALANUS SP AF	8.0	19	0.97	50.00
ONCAEA SPP	9.0	10	0.51	26.32
BIVALVE LARVAE	10.0	9	0.46	23.68
HYPERIIDS	11.0	8	0.41	21.05
CHAETOGNATHS	12.0	7	0.36	18.42
ONCAEA VENUSTA	13.0	5	0.26	13.16
CANDACIA ARMATA C	14.5	4	0.20	10.53
CALANUS FINMARCHICUS A	14.5	4	0.20	10.53
MICROSETELLA NORVEGICA	16.0	3	0.15	7.89
PSEUDOCALANUS SP AM	19.0	1	0.05	2.63
OOLIOIDS	19.0	1	0.05	2.63
PENILIA	19.0	1	0.05	2.63
POLYCHAETE LARVAE	19.0	1	0.05	2.63
ISCHNOCALANUS PLUMULOSUS	19.0	1	0.05	2.63
TOTALS	21	1952	100	5136.84

- DATA NOT TAKEN

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
37	2	16	10 AUG 77	40 9.4 N	72 0.0 W
	START TIME 2030	FINISH TIME 2200	SONIC DEPTH 68	NET MESH 73	
SAMPLE DEPTH 50.0	SAMPLE TIME 2144	VOLUME SAMPLE 3.80	FRACTION COUNT 0.1176	VOLUME COUNT 0.4469	SAMPLE NUMBER 112

S P E C I E S	RANK COUNTS %			NO. /M3
COPEPOD NAUPLII	1.0	325	26.19	727.26
PSEUDOCALANUS SP C	2.0	270	21.76	604.19
COPEPOIDS UNID	3.0	260	20.95	581.81
OITHONA SIMILIS	4.0	122	9.83	273.00
CALANUS SPP C	5.0	107	8.62	239.44
PTEROPODS	6.0	43	3.46	96.22
PSEUDOCALANUS SP AF	7.0	40	3.22	89.51
BIVALVE LARVAE	8.0	18	1.45	40.28
CHAETOGNATHS	10.0	8	0.64	17.90
PSEUDOCALANUS SP AM	10.0	8	0.64	17.90
DECAPOD LARVAE	10.0	8	0.64	17.90
ONCAEA SPP	12.0	6	0.48	13.43
OITHONA ATLANTICA	13.0	5	0.40	11.19
CALANUS FINMARCHICUS A	15.0	3	0.24	6.71
MICROSETELLA NORVEGICA	15.0	3	0.24	6.71
HYPERIIDIS	15.0	3	0.24	6.71
POLYCHAETE LARVAE	18.0	2	0.16	4.48
GAMMARIDS	18.0	2	0.16	4.48
ANTHOZOA LARVAE	18.0	2	0.16	4.48
CORYCAEUS SPP	22.5	1	0.08	2.24
PENILIA	22.5	1	0.08	2.24
CUMACEANS	22.5	1	0.08	2.24
PLUTEI	22.5	1	0.08	2.24
EVADNE SPP	22.5	1	0.08	2.24
CENTROPAGES TYPICUS C	22.5	1	0.08	2.24
TOTALS	25	1241	100	2777.03

- DATA NOT TAKEN

STATION 37	SERIES 2	CAST 16	DATE 10 AUG 77	LATITUDE 40 9.4 N	LONGITUDE 72 0.0 W
	START TIME 2030	FINISH TIME 2200	SONIC DEPTH 68	NET MESH 73	
SAMPLE DEPTH 60.0	SAMPLE TIME 2155	VOLUME SAMPLE 3.80	FRACTION COUNT 0.1364	VOLUME COUNT 0.5183	SAMPLE NUMBER 113

S P E C I E S	RANK COUNTS %			NO./M3	
PSEUDOCALANUS SP C	1.0	680	62.56	1311.93	
COPEPOD NAUPLII	2.0	98	9.02	189.07	
PTEROPODS	3.0	66	6.07	127.33	
ONCAEA SPP	4.0	56	5.15	108.04	
BIVALVE LARVAE	5.0	53	4.88	102.25	
OITHONA SIMILIS	6.0	47	4.32	90.68	
PSEUDOCALANUS SP AF	7.0	32	2.94	61.74	
CHAETOGNATHS	8.0	13	1.20	25.08	
COPEPODIDS UNID	9.0	10	0.92	19.29	
HYPERIIDS	10.0	7	0.64	13.51	
POLYCHAETE LARVAE	11.0	6	0.55	11.58	
HARPACTICOIDA UNID	13.0	3	0.28	5.79	
CALANUS SPP C	13.0	3	0.28	5.79	
MICROSETELLA NORVEGICA	13.0	3	0.28	5.79	
PSEUDOCALANUS SP AM	15.5	2	0.18	3.86	
ONCAEA VENUSTA	15.5	2	0.18	3.86	
CENTROPAGES TYPICUS AF	19.5	1	0.09	1.93	
PENILIA	19.5	1	0.09	1.93	
ECTOPROCT LARVAE	19.5	1	0.09	1.93	
PARACALANUS PARVUS AF	19.5	1	0.09	1.93	
CUMACEANS	19.5	1	0.09	1.93	
DECAPOD LARVAE	19.5	1	0.09	1.93	
TOTALS		22	1087	100	2097.16
- DATA NOT TAKEN					

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
50	3	18	15 AUG 77	39 46.1 N	73 45.8 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	0035	0116	24	70	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
1.0	0035	3.80	0.0333	0.1265	119

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS - - - - -	1.0	780	51.18	6164.06
PARACALANUS CRASSIROSTRIS AF - -	2.0	285	18.70	2252.25
CENTROPAGES TYPICUS C - - - - -	3.0	103	6.76	813.97
PENILIA - - - - -	4.0	68	4.46	537.38
COPEPOD NAUPLII - - - - -	5.0	64	4.20	505.77
CENTROPAGES TYPICUS AF - - - - -	6.0	49	3.22	387.23
COPEPODIDS UNID - - - - -	7.0	38	2.49	300.30
CENTROPAGES TYPICUS AM - - - - -	8.0	35	2.30	276.59
ACARTIA LONGIREMIS - - - - -	9.0	29	1.90	229.18
PTEROPODS - - - - -	10.0	20	1.31	158.05
EVADNE SPP - - - - -	11.0	13	0.85	102.73
PARACALANUS PARVUS AF - - - - -	12.5	10	0.66	79.03
ANTHOZOA LARVAE - - - - -	12.5	10	0.66	79.03
PARACALANUS CRASSIROSTRIS AM - -	14.0	7	0.46	55.32
PARACALANUS CRASSIROSTRIS C - -	15.0	4	0.26	31.61
SALPS - - - - -	16.5	2	0.13	15.81
DECAPOD LARVAE - - - - -	16.5	2	0.13	15.81
ONCAEA VENUSTA - - - - -	20.0	1	0.07	7.90
BIVALVE LARVAE - - - - -	20.0	1	0.07	7.90
LARVACEAN - - - - -	20.0	1	0.07	7.90
DOLIOLIDS - - - - -	20.0	1	0.07	7.90
LABIDOCERA AESTIVA - - - - -	20.0	1	0.07	7.90
TOTALS				12043.62

- DATA NOT TAKEN

STATION 50	SERIES 3	CAST 18	DATE 15 AUG 77	LATITUDE 39 46.1 N	LONGITUDE 73 45.8 W
	START TIME 0035	FINISH TIME 0116	SONIC DEPTH 24	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 0044	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0500	VOLUME COUNT 0.1900	SAMPLE NUMBER 120

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	770	43.26	4052.63
PARACALANUS CRASSIROSTRIS AF	2.0	400	22.47	2105.26
CENTROPAGES TYPICUS C	3.0	135	7.58	710.53
PENILIA	4.0	115	6.46	605.26
CENTROPAGES TYPICUS AM	5.0	78	4.38	410.53
CENTROPAGES TYPICUS AF	6.0	72	4.04	378.95
PTEROPODS	7.0	38	2.13	200.00
PARACALANUS CRASSIROSTRIS AM	8.0	36	2.02	189.47
ACARTIA LONGIREMIS	9.0	23	1.29	121.05
COPEPODIDS UNID	10.0	21	1.18	110.53
PARACALANUS PARVUS AF	11.5	18	1.01	94.74
EVADNE SPP	11.5	18	1.01	94.74
COPEPOD NAUPLII	13.0	14	0.79	73.68
ANTHOZOA LARVAE	14.0	12	0.67	63.16
MEDUSAE	15.5	7	0.39	36.84
PARACALANUS CRASSIROSTRIS C	15.5	7	0.39	36.84
DOLIOLIDS	17.0	6	0.34	31.58
ACARTIA SPP C	18.0	4	0.22	21.05
SALPS	19.5	2	0.11	10.53
ONCAEA VENUSTA	19.5	2	0.11	10.53
MICROSETELLA NORVEGICA	21.5	1	0.06	5.26
BIVALVE LARVAE	21.5	1	0.06	5.26
TOTALS	22	1780	100	9368.42

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION 50	SERIES 3	CAST 18	DATE 15 AUG 77	LATITUDE 39 46.1 N	LONGITUDE 73 45.8 W
	START TIME 0035	FINISH TIME 0116	SONIC DEPTH 24	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 0053	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0056	VOLUME COUNT 0.0213	SAMPLE NUMBER 121

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	2330	83.90	109492.48
COPEPOD NAUPLII	2.0	168	6.05	7894.74
PENILIA	3.0	87	3.13	4088.35
COPEPODIDS UNID	4.0	43	1.55	2020.68
PARACALANUS CRASSIROSTRIS AF	5.0	37	1.33	1738.72
PTEROPODS	6.0	32	1.15	1503.76
CENTROPAGES TYPICUS C	7.0	19	0.68	892.86
PARACALANUS CRASSIROSTRIS C	8.0	12	0.43	563.91
EVADNE SPP	9.0	8	0.29	375.94
CENTROPAGES TYPICUS AF	10.0	7	0.25	328.95
CENTROPAGES TYPICUS AM	11.0	5	0.18	234.96
PARACALANUS PARVUS AF	14.5	3	0.11	140.98
PARACALANUS PARVUS C	14.5	3	0.11	140.98
PARACALANUS CRASSIROSTRIS AM	14.5	3	0.11	140.98
MICROSETELLA NORVEGICA	14.5	3	0.11	140.98
ACARTIA LONGIREMIS	14.5	3	0.11	140.98
ANTHOZOA LARVAE	14.5	3	0.11	140.98
BIVALVE LARVAE	19.0	2	0.07	93.98
TEMORA LONGICORNIS AF	19.0	2	0.07	93.98
DOLIOLIDS	19.0	2	0.07	93.98
PSEUDOCALANUS SP AM	23.0	1	0.04	46.99
SALPS	23.0	1	0.04	46.99
MEDUSAE	23.0	1	0.04	46.99
ACARTIA SPP C	23.0	1	0.04	46.99
PSEUDOCALANUS SP C	23.0	1	0.04	46.99

- DATA NOT TAKEN

TOTALS	25	2777	100	130498.10
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STATION 50	SERIES 3	CAST 18	DATE 15 AUG 77	LATITUDE 39 46.1 N	LONGITUDE 73 45.8 W
	START TIME 0035	FINISH TIME 0116	SONIC DEPTH 24	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 0102	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0062	VOLUME COUNT 0.0236	SAMPLE NUMBER 122

S P E C I E S	RANK COUNTS %			NO./M3
COPEPOD NAUPLII	1.0	1635	47.10	69397.27
OITHONA SIMILIS	2.0	1495	43.07	63455.00
PSEUDOCALANUS SP C	3.0	80	2.30	3395.59
MICROSETELLA NORVEGICA	4.0	79	2.28	3353.14
COPEPODIDS UNID	5.0	37	1.07	1570.46
PSEUDOCALANUS SP AF	6.0	35	1.01	1485.57
POLYCHAETE LARVAE	7.0	27	0.78	1146.01
PTEROPODS	8.0	21	0.61	891.34
TEMORA LONGICORNIS AM	9.0	12	0.35	509.34
PSEUDOCALANUS SP AM	10.0	8	0.23	339.56
PARACALANUS PARVUS AF	11.0	6	0.17	254.67
CENTROPAGES TYPICUS C	13.0	5	0.14	212.22
BIVALVE LARVAE	13.0	5	0.14	212.22
CENTROPAGES TYPICUS AM	13.0	5	0.14	212.22
CENTROPAGES TYPICUS AF	15.0	4	0.12	169.78
TEMORA SPP	16.5	3	0.09	127.33
TEMORA LONGICORNIS AF	16.5	3	0.09	127.33
PARACALANUS PARVUS C	19.5	2	0.06	84.89
PARACALANUS PARVUS AM	19.5	2	0.06	84.89
LARVACEAN	19.5	2	0.06	84.89
TEMORA LONGICORNIS C	19.5	2	0.06	84.89
PARACALANUS CRASSIROSTRIS AF	23.0	1	0.03	42.44
MYSID LARVAE	23.0	1	0.03	42.44
ANTHOZOA LARVAE	23.0	1	0.03	42.44
TOTALS	24	3471	100	147325.92

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION 50	SERIES 3	CAST 18	DATE 15 AUG 77	LATITUDE 39 46.1 N	LONGITUDE 73 45.8 W
	START TIME 0035	FINISH TIME 0116	SONIC DEPTH 24	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 0111	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0200	VOLUME COUNT 0.0760	SAMPLE NUMBER 123

S P E C I E S		RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	- - - - -	1.0	520	36.04	6842.10
COPEPOD NAUPLII	- - - - -	2.0	460	31.88	6052.63
POLYCHAETE LARVAE	- - - - -	3.0	265	18.36	3486.84
COPEPODIDS UNID	- - - - -	4.0	59	4.09	776.32
PSEUDOCALANUS SP C	- - - - -	5.0	30	2.08	394.74
CENTROPAGES TYPICUS AF	- - - - -	6.0	22	1.52	289.47
PSEUDOCALANUS SP AF	- - - - -	7.5	17	1.18	223.68
ANTHOZOA LARVAE	- - - - -	7.5	17	1.18	223.68
TEMORA LONGICORNIS AM	- - - - -	9.5	9	0.62	118.42
PTEROPODS	- - - - -	9.5	9	0.62	118.42
PSEUDOCALANUS SP AM	- - - - -	11.0	6	0.42	78.95
CENTROPAGES TYPICUS AM	- - - - -	12.0	5	0.35	65.79
CENTROPAGES TYPICUS C	- - - - -	14.0	4	0.28	52.63
TEMORA LONGICORNIS AF	- - - - -	14.0	4	0.28	52.63
HARPACTICOIDA UNID	- - - - -	14.0	4	0.28	52.63
PAPACALANUS PARVUS AF	- - - - -	16.5	2	0.14	26.32
CHAETOGNATHS	- - - - -	16.5	2	0.14	26.32
ACARTIA LONGIREMIS	- - - - -	21.5	1	0.07	13.16
PARACALANUS PARVUS C	- - - - -	21.5	1	0.07	13.16
BIVALVE LARVAE	- - - - -	21.5	1	0.07	13.16
PARACALANUS CRASSIROSTRIS AM	- - - - -	21.5	1	0.07	13.16
DECAPOD LARVAE	- - - - -	21.5	1	0.07	13.16
CENTROPAGES HAMATUS	- - - - -	21.5	1	0.07	13.16
MYSID LARVAE	- - - - -	21.5	1	0.07	13.16
MICROSETELLA NORVEGICA	- - - - -	21.5	1	0.07	13.16
	TOTALS	25	1443	100	18986.84
- DATA NOT TAKEN					

STATION 51	SERIES 3	CAST 19	DATE 15 AUG 77	LATITUDE 39 46.3 N	LONGITUDE 73 46.0 W
	START TIME 0430	FINISH TIME 0508	SONIC DEPTH 24	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 0430	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0167	VOLUME COUNT 0.0635	SAMPLE NUMBER 124

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS - - - - -	1.0	735	48.42	11582.10
PARACALANUS CRASSIROSTRIS AF - -	2.0	230	15.15	3624.33
COPEPOD NAUPLII - - - - -	3.0	130	8.56	2048.53
PENILIA - - - - -	4.0	90	5.93	1418.22
COPEPODIDS UNID - - - - -	5.0	83	5.47	1307.91
CENTROPAGES TYPICUS AF - - - - -	6.0	40	2.64	630.32
CENTROPAGES TYPICUS C - - - - -	7.0	35	2.31	551.53
PTEROPODS - - - - -	8.0	29	1.91	456.98
PARACALANUS CRASSIROSTRIS AM - -	9.0	27	1.78	425.46
CENTROPAGES TYPICUS AM - - - - -	10.0	24	1.58	378.19
PARACALANUS CRASSIROSTRIS C - -	11.5	20	1.32	315.16
ANTHOZOA LARVAE - - - - -	11.5	20	1.32	315.16
ACARTIA LONGIREMIS - - - - -	13.0	19	1.25	299.40
EVADNE SPP - - - - -	14.0	11	0.72	173.34
SALPS - - - - -	15.0	10	0.66	157.58
PARACALANUS PARVUS AF - - - - -	16.0	7	0.46	110.31
LARVACEAN - - - - -	17.0	4	0.26	63.03
BIVALVE LARVAE - - - - -	18.0	2	0.13	31.52
ONCAEA VENUSTA - - - - -	19.5	1	0.07	15.76
PSEUDOCALANUS SP AF - - - - -	19.5	1	0.07	15.76
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TOTALS	20	1518	100	23920.58
- DATA NOT TAKEN				

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
51	3	19	15 AUG 77	39 46.3 N	73 46.0 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	0430	0508	24	70	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
5.0	0437	3.80	0.0100	0.0380	125

S P E C I E S		RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	- - - - -	1.0	1960	70.38	51578.95
PENILIA	- - - - -	2.0	172	6.18	4526.32
PTEROPODS	- - - - -	3.0	140	5.03	3684.21
COPEPOD NAUPLII	- - - - -	4.0	132	4.74	3473.68
PARACALANUS CRASSIROSTRIS AF	- -	5.0	83	2.98	2184.21
EVADNE SPP	- - - - -	6.0	66	2.37	1736.84
COPEPODIDS UNID	- - - - -	7.0	57	2.05	1500.00
ACARTIA LONGIREMIS	- - - - -	8.0	51	1.83	1342.11
CENTROPAGES TYPICUS C	- - - - -	9.5	22	0.79	578.95
PARACALANUS CRASSIROSTRIS AM	- -	9.5	22	0.79	578.95
PARACALANUS CRASSIROSTRIS C	- -	11.0	21	0.75	552.63
CENTROPAGES TYPICUS AM	- - - - -	12.5	18	0.65	473.68
BIVALVE LARVAE	- - - - -	12.5	18	0.65	473.68
CENTROPAGES TYPICUS AF	- - - - -	14.0	11	0.39	289.47
SALPS	- - - - -	15.0	4	0.14	105.26
LARVACEAN	- - - - -	17.0	2	0.07	52.63
ACARTIA SPP C	- - - - -	17.0	2	0.07	52.63
ANTHOZOA LARVAE	- - - - -	17.0	2	0.07	52.63
MICROSETELLA NORVEGICA	- - - - -	19.5	1	0.04	26.32
FISH EGGS	- - - - -	19.5	1	0.04	26.32
	TOTALS	20	2785	100	73289.48

- DATA NOT TAKEN

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
51	3	19	15 AUG 77	39 46.3 N	73 46.0 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	0430	0508	24	70	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
10.0	0445	3.80	0.0056	0.0213	126

SPECIES	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	2380	77.07	111842.10
PENILIA	2.0	240	7.77	11278.20
COPEPODIDS UNID	3.0	132	4.27	6203.01
COPEPOD NAUPLII	4.0	118	3.82	5545.11
PARACALANUS CRASSIROSTRIS AF	5.0	43	1.39	2020.68
PARACALANUS CRASSIROSTRIS AM	6.5	27	0.87	1268.80
CENTROPAGES TYPICUS C	6.5	27	0.87	1268.80
ACARTIA LONGIREMIS	8.0	25	0.81	1174.81
EVADNE SPP	9.0	22	0.71	1033.83
PTEROPODS	10.0	21	0.68	986.84
PARACALANUS CRASSIROSTRIS C	11.0	19	0.62	892.86
CENTROPAGES TYPICUS AM	12.0	12	0.39	563.91
CENTROPAGES TYPICUS AF	13.0	8	0.26	375.94
ACARTIA SPP C	14.5	3	0.10	140.98
BIVALVE LARVAE	14.5	3	0.10	140.98
PARACALANUS PARVUS AF	16.5	2	0.06	93.98
SALPS	16.5	2	0.06	93.98
LARVACEAN	19.5	1	0.03	46.99
HARPACTICOIDA UNID	19.5	1	0.03	46.99
PARACALANUS PARVUS AM	19.5	1	0.03	46.99
CENTROPAGES HAMATUS	19.5	1	0.03	46.99
TOTALS	21	3088	100	145112.81

- DATA NOT TAKEN

STATION 51	SERIES 3	CAST 19	DATE 15 AUG 77	LATITUDE 39 46.3 N	LONGITUDE 73 46.0 W
	START TIME 0430	FINISH TIME 0508	SONIC DEPTH 24	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 0455	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0053	VOLUME COUNT 0.0201	SAMPLE NUMBER 127

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	2135	46.93	106007.95
COPEPOD NAUPLII	2.0	2095	46.05	104021.85
COPEPODIDS UNID	3.0	83	1.82	4121.15
PSEUDOCALANUS SP C	4.0	48	1.06	2383.32
PSEUDOCALANUS SP AF	5.0	39	0.86	1936.44
CENTROPAGES TYPICUS C	6.0	38	0.84	1886.79
MICROSETELLA NORVEGICA	7.0	35	0.77	1737.84
TEMORA LONGICORNIS AM	8.0	23	0.51	1142.01
PTEROPODS	9.0	16	0.35	794.44
PARACALANUS PARVUS AF	10.5	8	0.18	397.22
TEMORA LONGICORNIS AF	10.5	8	0.18	397.22
CENTROPAGES TYPICUS AM	12.0	6	0.13	297.91
CENTROPAGES TYPICUS AF	13.0	4	0.09	198.61
POLYCHAETE LARVAE	14.0	3	0.07	148.96
TEMORA LONGICORNIS C	15.5	2	0.04	99.30
PSEUDOCALANUS SP AM	15.5	2	0.04	99.30
BIVALVE LARVAE	18.5	1	0.02	49.65
DECAPOD LARVAE	18.5	1	0.02	49.65
ONCAEA SPP	18.5	1	0.02	49.65
PARACALANUS PARVUS AM	18.5	1	0.02	49.65
	TOTALS	20 4549	100	225868.94
- DATA NOT TAKEN				

STATION 51	SERIES 3	CAST 19	DATE 15 AUG 77	LATITUDE 39 46.3 N	LONGITUDE 73 46.0 W
	START TIME 0430	FINISH TIME 0508	SONIC DEPTH 24	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 0503	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 128

S P E C I E S		RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	- - - - -	1.0	1285	63.58	33815.79
COPEPOD NAUPLII	- - - - -	2.0	485	24.00	12763.16
COPEPODIDS UNID	- - - - -	3.0	62	3.07	1631.58
POLYCHAETE LARVAE	- - - - -	4.0	56	2.77	1473.68
PSEUDOCALANUS SP C	- - - - -	5.0	29	1.43	763.16
PSEUDOCALANUS SP AF	- - - - -	6.0	25	1.24	657.89
TEMORA LONGICORNIS AM	- - - - -	7.0	15	0.74	394.74
CENTROPAGES TYPICUS AM	- - - - -	8.0	10	0.49	263.16
TEMORA LONGICORNIS AF	- - - - -	9.0	9	0.45	236.84
PSEUDOCALANUS SP AM	- - - - -	10.0	8	0.40	210.53
PTEROPODS	- - - - -	11.0	7	0.35	184.21
CENTROPAGES TYPICUS C	- - - - -	12.5	6	0.30	157.89
CENTROPAGES TYPICUS AF	- - - - -	12.5	6	0.30	157.89
PARACALANUS PARVUS AF	- - - - -	14.5	5	0.25	131.58
MICROSETELLA NORVEGICA	- - - - -	14.5	5	0.25	131.58
ACARTIA LONGIREMIS	- - - - -	16.0	3	0.15	78.95
ANTHOZOA LARVAE	- - - - -	17.0	2	0.10	52.63
BIVALVE LARVAE	- - - - -	19.0	1	0.05	26.32
PENILIA	- - - - -	19.0	1	0.05	26.32
DECAPOD LARVAE	- - - - -	19.0	1	0.05	26.32
	TOTALS	20	2021	100	53184.21
- DATA NOT TAKEN					

STATION 52	SERIES 3	CAST 20	DATE 15 AUG 77	LATITUDE 39 46.5 N	LONGITUDE 73 46.1 W
	START TIME 0815	FINISH TIME 0855	SONIC DEPTH 25	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 0815	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0250	VOLUME COUNT 0.0950	SAMPLE NUMBER 129

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS - - - - -	1.0	620	51.03	6526.32
PARACALANUS CRASSIROSTRIS AF - -	2.0	178	14.65	1873.68
PENILIA - - - - -	3.0	128	10.53	1347.37
EVADNE SPP - - - - -	4.0	78	6.42	821.05
PTEROPODS - - - - -	5.0	48	3.95	505.26
COPEPOD NAUPLII - - - - -	6.0	40	3.29	421.05
COPEPODIDS UNID - - - - -	7.0	27	2.22	284.21
PARACALANUS CRASSIROSTRIS AM - -	9.0	23	1.89	242.11
PARACALANUS CRASSIROSTRIS C - -	9.0	23	1.89	242.11
SALPS - - - - -	9.0	23	1.89	242.11
MEDUSAE - - - - -	11.0	6	0.49	63.16
ACARTIA LONGIREMIS - - - - -	12.0	5	0.41	52.63
CENTROPAGES TYPICUS AF - - - - -	13.5	3	0.25	31.58
ANTHOZOA LARVAE - - - - -	13.5	3	0.25	31.58
MICROSETELLA NORVEGICA - - - - -	16.0	2	0.16	21.05
LARVACEAN - - - - -	16.0	2	0.16	21.05
FISH LARVAE - - - - -	16.0	2	0.16	21.05
ACARTIA SPP C - - - - -	19.5	1	0.08	10.53
TEMORA LONGICORNIS AF - - - - -	19.5	1	0.08	10.53
DECAPOD LARVAE - - - - -	19.5	1	0.08	10.53
POLYCHAETE LARVAE - - - - -	19.5	1	0.08	10.53
TOTALS	21	1215	100	12789.48
- DATA NOT TAKEN				

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
52	3	20	15 AUG 77	39 46.5 N	73 46.1 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	0815	0855	25	70	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
5.0	0825	3.80	0.0200	0.0760	130

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS - - - - -	1.0	1020	62.96	13421.05
PARACALANUS CRASSIROSTRIS AF - -	2.0	235	14.51	3092.10
PENILIA - - - - -	3.0	98	6.05	1289.47
PTEROPODS - - - - -	4.0	74	4.57	973.68
EVADNE SPP - - - - -	5.0	66	4.07	868.42
COPEPOIDS UNID - - - - -	6.0	31	1.91	407.89
PARACALANUS CRASSIROSTRIS AM - -	7.0	22	1.36	289.47
PARACALANUS CRASSIROSTRIS C - - -	8.0	13	0.80	171.05
MEDUSAE - - - - -	9.0	12	0.74	157.89
BIVALVE LARVAE - - - - -	10.0	9	0.56	118.42
COPEPOD NAUPLII - - - - -	11.5	8	0.49	105.26
SALPS - - - - -	11.5	8	0.49	105.26
CENTROPAGES TYPICUS AF - - - - -	13.5	7	0.43	92.11
ANTHOZOA LARVAE - - - - -	13.5	7	0.43	92.11
CENTROPAGES TYPICUS AM - - - - -	15.0	6	0.37	78.95
DECAPOD LARVAE - - - - -	16.0	3	0.19	39.47
FISH LARVAE - - - - -	17.0	1	0.06	13.16
	TOTALS	17	1620	100
				21315.79

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION 52	SERIES 3	CAST 20	DATE 15 AUG 77	LATITUDE 39 46.5 N	LONGITUDE 73 46.1 W
	START TIME 0815	FINISH TIME 0855	SONIC DEPTH 25	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 0835	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 131

S P E C I E S		RANK	COUNTS	%	NO. /M3
OITHONA SIMILIS	- - - - -	1.0	1990	79.06	52368.42
PENILIA	- - - - -	2.0	138	5.48	3631.58
CENTROPAGES TYPICUS C	- - - - -	3.0	75	2.98	1973.68
COPEPODIDS UNID	- - - - -	4.0	69	2.70	1789.47
PARACALANUS CRASSIROSTRIS AF	- -	5.0	47	1.87	1236.84
ACARTIA LONGIREMIS	- - - - -	6.0	46	1.83	1210.53
COPEPOD NAUPLII	- - - - -	7.0	39	1.55	1026.32
CENTROPAGES TYPICUS AM	- - - - -	8.0	33	1.31	868.42
CENTROPAGES TYPICUS AF	- - - - -	9.0	31	1.23	815.79
PTEROPODS	- - - - -	10.0	12	0.48	315.79
PARACALANUS CRASSIROSTRIS AM	- -	11.0	11	0.44	289.47
ACARTIA SPP C	- - - - -	12.0	8	0.32	210.53
PARACALANUS PARVUS AF	- - - - -	13.0	6	0.24	157.89
PARACALANUS CRASSIROSTRIS C	- - -	14.0	5	0.20	131.58
PARACALANUS PARVUS C	- - - - -	16.0	2	0.08	52.63
EVADNE SPP	- - - - -	16.0	2	0.08	52.63
MEDUSAE	- - - - -	16.0	2	0.08	52.63
POLYCHAETE LARVAE	- - - - -	18.5	1	0.04	26.32
TEMORA LONGICORNIS AM	- - - - -	18.5	1	0.04	26.32
		</			

- DATA NOT TAKEN

STATION 52	SERIES 3	CAST 20	DATE 15 AUG 77	LATITUDE 39 46.5 N	LONGITUDE 73 46.1 W
	START TIME 0815	FINISH TIME 0855	SONIC DEPTH 25	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 0840	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0025	VOLUME COUNT 0.0095	SAMPLE NUMBER 132

S P E C I E S		RANK COUNTS %			NO./M3
COPEPOD NAUPLII	- - - - -	1.0	2410	63.24	253684.19
OITHONA SIMILIS	- - - - -	2.0	1210	31.75	127368.41
COPEPODIDS UNID	- - - - -	3.0	43	1.13	4526.32
CENTROPAGES TYPICUS C	- - - - -	4.0	39	1.02	4105.26
PSEUDOCALANUS SP AF	- - - - -	5.0	26	0.68	2736.84
PSEUDOCALANUS SP C	- - - - -	6.0	23	0.60	2421.05
MICROSETELLA NORVEGICA	- - - - -	7.0	17	0.45	1789.47
PARACALANUS PARVUS AF	- - - - -	8.0	10	0.26	1052.63
TEMORA LONGICORNIS AF	- - - - -	9.5	6	0.16	631.58
TEMORA LONGICORNIS AM	- - - - -	9.5	6	0.16	631.58
CENTROPAGES TYPICUS AM	- - - - -	11.5	5	0.13	526.32
PARACALANUS PARVUS AM	- - - - -	11.5	5	0.13	526.32
PSEUDOCALANUS SP AM	- - - - -	13.0	4	0.10	421.05
PTEROPODS	- - - - -	14.0	3	0.08	315.79
CENTROPAGES TYPICUS AF	- - - - -	15.0	2	0.05	210.53
TEMORA LONGICORNIS C	- - - - -	16.5	1	0.03	105.26
PARACALANUS PARVUS C	- - - - -	16.5	1	0.03	105.26
TOTALS		17	3811	100	401157.84
- DATA NOT TAKEN					

STATION 52	SERIES 3	CAST 20	DATE 15 AUG 77	LATITUDE 39 46.5 N	LONGITUDE 73 46.1 W
	START TIME 0815	FINISH TIME 0855	SONIC DEPTH 25	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 0850	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 133

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	845	54.83	22236.84
COPEPOD NAUPLII	2.0	290	18.82	7631.58
COPEPODIDS UNID	3.0	135	8.76	3552.63
PSEUDOCALANUS SP C	4.0	93	6.04	2447.37
PSEUDOCALANUS SP AF	5.0	47	3.05	1236.84
CENTROPAGES TYPICUS AM	6.0	25	1.62	657.89
MICROSETELLA NORVEGICA	7.0	20	1.30	526.32
CENTROPAGES TYPICUS C	8.0	16	1.04	421.05
CENTROPAGES TYPICUS AF	9.5	12	0.78	315.79
TEMORA LONGICORNIS AF	9.5	12	0.78	315.79
PSEUDOCALANUS SP AM	11.0	10	0.65	263.16
TEMORA LONGICORNIS AM	12.0	9	0.58	236.84
PARACALANUS PARVUS AF	13.0	7	0.45	184.21
PTEROPODS	14.5	5	0.32	131.58
ANTHOZOA LARVAE	14.5	5	0.32	131.58
PARACALANUS CRASSIROSTRIS AF	17.5	2	0.13	52.63
DECAPOD LARVAE	17.5	2	0.13	52.63
POLYCHAETE LARVAE	17.5	2	0.13	52.63
CENTROPAGES HAMATUS	17.5	2	0.13	52.63
CHAETOGNATHS	20.5	1	0.06	26.32
TEMORA LONGICORNIS C	20.5	1	0.06	26.32
TOTALS	21	1541	100	40552.63

- DATA NOT TAKEN

STATION 53	SERIES 3	CAST 21	DATE 15 AUG 77	LATITUDE 39 46.6 N	LONGITUDE 73 46.8 W
	START TIME 1213	FINISH TIME 1253	SONIC DEPTH 24	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 1213	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 134

S P E C I E S			RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	- - - - -	1.0	2005	86.24	52763.16	
PARACALANUS CRASSIROSTRIS AF	- -	2.0	80	3.44	2105.26	
EVADNE SPP	- - - - -	3.0	57	2.45	1500.00	
PTEROPODS	- - - - -	4.0	51	2.19	1342.11	
ACARTIA LONGIREMIS	- - - - -	5.0	29	1.25	763.16	
COPEPODIDS UNID	- - - - -	6.0	28	1.20	736.84	
PENILIA	- - - - -	7.0	17	0.73	447.37	
CENTROPAGES TYPICUS AF	- - - - -	8.0	14	0.60	368.42	
PARACALANUS CRASSIROSTRIS AM	- -	9.0	12	0.52	315.79	
CENTROPAGES TYPICUS AM	- - - - -	10.0	11	0.47	289.47	
COPEPOD NAUPLII	- - - - -	11.0	7	0.30	184.21	
CENTROPAGES TYPICUS C	- - - - -	12.0	6	0.26	157.89	
PARACALANUS CRASSIROSTRIS C	- -	14.0	2	0.09	52.63	
SALPS	- - - - -	14.0	2	0.09	52.63	
ANTHOZOA LARVAE	- - - - -	14.0	2	0.09	52.63	
MEDUSAE	- - - - -	16.5	1	0.04	26.32	
PARACALANUS PARVUS AF	- - - - -	16.5	1	0.04	26.32	
	TOTALS	17	2325	100	61184.21	
- DATA NOT TAKEN						

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STATION 53	SERIES 3	CAST 21	DATE 15 AUG 77	LATITUDE 39 46.6 N	LONGITUDE 73 46.8 W
	START TIME 1213	FINISH TIME 1253	SONIC DEPTH 24	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 1222	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 135

S P E C I E S	RANK COUNTS %			NO. /M3
OITHONA SIMILIS - - - - -	1.0	2130	84.02	67533.29
PARACALANUS CRASSIROSTRIS AF - -	2.0	93	3.67	2948.64
PTEROPODS - - - - -	3.0	75	2.96	2377.93
EVADNE SPP - - - - -	4.0	51	2.01	1616.99
COPEPOD NAUPLII - - - - -	5.0	37	1.46	1173.11
ACARTIA LONGIREMIS - - - - -	6.0	32	1.26	1014.58
PENILIA - - - - -	7.0	29	1.14	919.47
COPEPODIDS UNID - - - - -	8.0	27	1.07	856.06
PARACALANUS CRASSIROSTRIS AM - -	9.0	18	0.71	570.70
CENTROPAGES TYPICUS AF - - - - -	10.0	11	0.43	348.76
CENTROPAGES TYPICUS AM - - - - -	11.0	9	0.36	285.35
PARACALANUS CRASSIROSTRIS C - - -	12.0	6	0.24	190.23
CENTROPAGES TYPICUS C - - - - -	13.0	5	0.20	158.53
ANTHOZOA LARVAE - - - - -	14.0	4	0.16	126.82
BIVALVE LARVAE - - - - -	15.0	3	0.12	95.12
MEDUSAE - - - - -	16.5	2	0.08	63.41
SALPS - - - - -	16.5	2	0.08	63.41
PARACALANUS PARVUS AF - - - - -	18.0	1	0.04	31.71
TOTALS	18	2535	100	80374.13
- DATA NOT TAKEN				

STATION 53	SERIES 3	CAST 21	DATE 15 AUG 77	LATITUDE 39 46.6 N	LONGITUDE 73 46.8 W
	START TIME 1213	FINISH TIME 1253	SONIC DEPTH 24	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 1230	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0167	VOLUME COUNT 0.0635	SAMPLE NUMBER 136

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1035	57.18	16309.49
PENILIA	2.0	215	11.88	3387.96
PTEROPODS	3.0	125	6.91	1969.74
CENTROPAGES TYPICUS C	4.0	97	5.36	1528.52
COPEPODIDS UNID	5.0	93	5.14	1465.49
PARACALANUS CRASSIROSTRIS AM	6.0	77	4.25	1213.36
EVADNE SPP	7.0	45	2.49	709.11
PARACALANUS CRASSIROSTRIS AF	8.0	28	1.55	441.22
COPEPOD NAUPLII	9.0	26	1.44	409.71
CENTROPAGES TYPICUS AF	10.0	17	0.94	267.89
ACARTIA LONGIREMIS	11.0	13	0.72	204.85
PARACALANUS CRASSIROSTRIS C	12.0	12	0.66	189.10
CENTROPAGES TYPICUS AM	13.0	11	0.61	173.34
ANTHOZOA LARVAE	14.0	8	0.44	126.06
PARACALANUS PARVUS AF	15.0	3	0.17	47.27
PSEUDOCALANUS SP AF	16.0	2	0.11	31.52
DOLIOLIDS	18.0	1	0.06	15.76
MEDUSAE	18.0	1	0.06	15.76
POLYCHAETE LARVAE	18.0	1	0.06	15.76
TOTALS	19	1810	100	28521.90

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
53	3	21	15 AUG 77	39 46.6 N	73 46.8 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	1213	1253	24	70	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
15.0	1239	3.80	0.0042	0.0160	137

S P E C I E S	RANK COUNTS %			NO./M3	
COPEPOD NAUPLII	- - - - -	1.0	1850	50.63	115914.78
OITHONA SIMILIS	- - - - -	2.0	1275	34.89	79887.22
PSEUDOCALANUS SP C	- - - - -	3.0	152	4.16	9523.81
PSEUDOCALANUS SP AF	- - - - -	4.0	142	3.89	8897.24
MICROSETELLA NORVEGICA	- - - - -	5.0	54	1.48	3383.46
CENTROPAGES TYPICUS C	- - - - -	6.0	47	1.29	2944.86
COPEPOIDS UNID	- - - - -	7.0	44	1.20	2756.89
PSEUDOCALANUS SP AM	- - - - -	8.0	19	0.52	1190.48
CENTROPAGES TYPICUS AM	- - - - -	9.0	16	0.44	1002.51
TEMORA LONGICORNIS AF	- - - - -	10.0	15	0.41	939.85
CENTROPAGES TYPICUS AF	- - - - -	11.0	14	0.38	877.19
PARACALANUS PARVUS AF	- - - - -	12.0	11	0.30	689.22
TEMORA LONGICORNIS AM	- - - - -	13.0	7	0.19	438.60
PTEROPODS	- - - - -	14.0	5	0.14	313.28
OITHONA ATLANTICA	- - - - -	16.0	1	0.03	62.66
POLYCHAETE LARVAE	- - - - -	16.0	1	0.03	62.66
ANTHOZOA LARVAE	- - - - -	16.0	1	0.03	62.66
TOTALS		17	3654	100	228947.33
- DATA NOT TAKEN					

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
53	3	21	15 AUG 77	39 46.6 N	73 46.8 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	1213	1253	24	70	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
20.0	1248	3.80	0.0083	0.0315	138

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS - - - - -	1.0	1050	58.46	33291.05
COPEPOD NAUPLII - - - - -	2.0	565	31.46	17913.76
MICROSETELLA NORVEGICA - - - - -	3.0	65	3.62	2060.88
COPEPODIDS UNID - - - - -	4.0	32	1.78	1014.53
PSEUDOCALANUS SP AF - - - - -	5.0	21	1.17	665.82
PSEUDOCALANUS SP C - - - - -	6.0	19	1.06	602.41
TEMORA LONGICORNIS AF - - - - -	7.0	13	0.72	412.17
PSEUDOCALANUS SP AM - - - - -	8.5	6	0.33	190.23
TEMORA LONGICORNIS AM - - - - -	8.5	6	0.33	190.23
CENTROPAGES TYPICUS AF - - - - -	10.5	4	0.22	126.82
ANTHOZOA LARVAE - - - - -	10.5	4	0.22	126.82
POLYCHAETE LARVAE - - - - -	12.0	3	0.17	95.12
CENTROPAGES TYPICUS AM - - - - -	13.0	2	0.11	63.41
PARACALANUS CRASSIROSTRIS AF - - - - -	16.5	1	0.06	31.71
CENTROPAGES TYPICUS C - - - - -	16.5	1	0.06	31.71
PTEROPODS - - - - -	16.5	1	0.06	31.71
DECAPOD LARVAE - - - - -	16.5	1	0.06	31.71
PARACALANUS PARVUS AM - - - - -	16.5	1	0.06	31.71
TEMORA LONGICORNIS C - - - - -	16.5	1	0.06	31.71
TOTALS	19	1796	100	56943.57

- DATA NOT TAKEN

STATION 54	SERIES 3	CAST 22	DATE 15 AUG 77	LATITUDE 39 46.2 N	LONGITUDE 73 46.3 W
	START TIME 1615	FINISH TIME 1650	SONIC DEPTH 24	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 1615	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0071	VOLUME COUNT 0.0270	SAMPLE NUMBER 139

S P E C I E S	RANK COUNTS %			NO./M3	
OITHONA SIMILIS	- - - - -	1.0	1540	91.39	57079.32
EVADNE SPP	- - - - -	2.0	30	1.78	1111.93
ACARTIA LONGIREMIS	- - - - -	3.0	25	1.48	926.61
PARACALANUS CRASSIROSTRIS AF	- -	4.0	24	1.42	889.55
PTEROPODS	- - - - -	5.0	14	0.83	518.90
PENILIA	- - - - -	6.0	13	0.77	481.84
CENTROPAGES TYPICUS AF	- - - - -	7.5	12	0.71	444.77
MEDUSAE	- - - - -	7.5	12	0.71	444.77
COPEPODIDS UNID	- - - - -	9.0	5	0.30	185.32
CENTROPAGES TYPICUS AM	- - - - -	10.0	3	0.18	111.19
ACARTIA SPP C	- - - - -	14.0	1	0.06	37.06
BIVALVE LARVAE	- - - - -	14.0	1	0.06	37.06
CENTROPAGES TYPICUS C	- - - - -	14.0	1	0.06	37.06
COPEPOD NAUPLII	- - - - -	14.0	1	0.06	37.06
FISH EGGS	- - - - -	14.0	1	0.06	37.06
PARACALANUS CRASSIROSTRIS AM	- -	14.0	1	0.06	37.06
LARVACEAN	- - - - -	14.0	1	0.06	37.06
	TOTALS	17	1685	100	62453.68
- DATA NOT TAKEN					

STATION 54	SERIES .3	CAST 22	DATE 15 AUG 77	LATITUDE 39 46.2 N	LONGITUDE 73 46.3 W
	START TIME 1615	FINISH TIME 1650	SONIC DEPTH 24	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 1623	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0071	VOLUME COUNT 0.0270	SAMPLE NUMBER 140

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1435	78.54	53187.54
PARACALANUS CRASSIROSTRIS AF	2.0	93	5.09	3447.00
PENILIA	3.0	75	4.11	2779.84
PTEROPODS	4.0	47	2.57	1742.03
PARACALANUS CRASSIROSTRIS C	5.0	37	2.03	1371.39
ACARTIA LONGIREMIS	6.0	36	1.97	1334.32
PARACALANUS CRASSIROSTRIS AM	7.0	30	1.64	1111.93
CENTROPAGES TYPICUS AF	8.0	19	1.04	704.23
COPEPOIDS UNID	9.0	18	0.99	667.16
COPEPOD NAUPLII	10.0	14	0.77	518.90
EVAONE SPP	11.0	9	0.49	333.58
CENTROPAGES TYPICUS AM	12.0	6	0.33	222.39
CENTROPAGES TYPICUS C	13.0	4	0.22	148.26
ACARTIA SPP C	14.0	2	0.11	74.13
CENTROPAGES HAMATUS	15.5	1	0.05	37.06
PARACALANUS PARVUS AF	15.5	1	0.05	37.06
TOTALS	16	1827	100	67716.83

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION 54	SERIES 3	CAST 22	DATE 15 AUG 77	LATITUDE 39 46.2 N	LONGITUDE 73 46.3 W
	START TIME 1615	FINISH TIME 1650	SONIC DEPTH 24	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 1630	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0062	VOLUME COUNT 0.0236	SAMPLE NUMBER 141

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1485	85.99	63030.55
CENTROPAGES TYPICUS C	2.0	49	2.84	2079.80
COPEPOD NAUPLII	3.0	43	2.49	1825.13
PENILIA	4.0	33	1.91	1400.68
COPEPODIDS UNID	5.0	25	1.45	1061.12
PTEROPODS	6.0	22	1.27	933.79
PARACALANUS CRASSIROSTRIS AF	7.0	18	1.04	764.01
PARACALANUS CRASSIROSTRIS AM	8.0	15	0.87	636.67
CENTROPAGES TYPICUS AF	9.0	8	0.46	339.56
CENTROPAGES TYPICUS AM	10.0	6	0.35	254.67
PARACALANUS CRASSIROSTRIS C	11.0	5	0.29	212.22
ACARTIA LONGIREMIS	12.0	4	0.23	169.78
ACARTIA SPP C	13.5	3	0.17	127.33
PARACALANUS PARVUS AF	13.5	3	0.17	127.33
EVADNE SPP	15.5	2	0.12	84.89
DECAPOD LARVAE	15.5	2	0.12	84.89
PSEUDOCALANUS SP AF	18.5	1	0.06	42.44
PSEUDOCALANUS SP AM	18.5	1	0.06	42.44
PSEUDOCALANUS SP C	18.5	1	0.06	42.44
GAMMARIDS	18.5	1	0.06	42.44
TOTALS	20	1727	100	73302.21

- DATA NOT TAKEN

STATION 54	SERIES 3	CAST 22	DATE 15 AUG 77	LATITUDE 39 46.2 N	LONGITUDE 73 46.3 W
	START TIME 1615	FINISH TIME 1650	SONIC DEPTH 24	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 1637	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0025	VOLUME COUNT 0.0095	SAMPLE NUMBER 142

SPECIES	RANK COUNTS %			NO./M3	
COPEPOD NAUPLII	- - - - -	1.0	2135	70.53	224736.83
OITHONA SIMILIS	- - - - -	2.0	530	17.51	55789.47
PSEUDOCALANUS SP C	- - - - -	3.0	83	2.74	8736.84
COPEPOIDS UNID	- - - - -	4.0	80	2.64	8421.05
PSEUDOCALANUS SP AF	- - - - -	5.0	78	2.58	8210.53
MICROSETELLA NORVEGICA	- - - - -	6.0	53	1.75	5578.95
CENTROPAGES TYPICUS C	- - - - -	7.0	12	0.40	1263.16
PSEUDOCALANUS SP AM	- - - - -	8.0	11	0.36	1157.89
TEMORA LONGICORNIS AF	- - - - -	9.0	10	0.33	1052.63
PARACALANUS PARVUS AF	- - - - -	10.5	6	0.20	631.58
CENTROPAGES TYPICUS AM	- - - - -	10.5	6	0.20	631.58
TEMORA LONGICORNIS AM	- - - - -	12.0	5	0.17	526.32
OITHONA ATLANTICA	- - - - -	13.5	4	0.13	421.05
CENTROPAGES TYPICUS AF	- - - - -	13.5	4	0.13	421.05
PARACALANUS PARVUS C	- - - - -	16.0	2	0.07	210.53
BIVALVE LARVAE	- - - - -	16.0	2	0.07	210.53
POLYCHAETE LARVAE	- - - - -	16.0	2	0.07	210.53
ACARTIA SPP C	- - - - -	19.5	1	0.03	105.26
PENILIA	- - - - -	19.5	1	0.03	105.26
EVADNE SPP	- - - - -	19.5	1	0.03	105.26
PTEROPODS	- - - - -	19.5	1	0.03	105.26
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	TOTALS	21	3027	100	318631.59
- DATA NOT TAKEN					

- DATA NOT TAKEN

STATION 54	SERIES 3	CAST 22	DATE 15 AUG 77	LATITUDE 39 46.2 N	LONGITUDE 73 46.3 W
	START TIME 1615	FINISH TIME 1650	SONIC DEPTH 24	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 1645	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 143

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1060	55.21	33608.11
COPEPOD NAUPLII	2.0	640	33.33	20291.69
MICROSETELLA NORVEGICA	3.0	40	2.08	1268.23
PSEUDOCALANUS SP AF	4.0	35	1.82	1109.70
PSEUDOCALANUS SP C	5.0	33	1.72	1046.29
TEMORA LONGICORNIS AF	6.0	27	1.41	856.06
TEMORA LONGICORNIS AM	7.0	20	1.04	634.12
COPEPODIDS UNID	8.0	15	0.78	475.59
CENTROPAGES TYPICUS AF	9.0	13	0.68	412.17
CENTROPAGES TYPICUS AM	10.5	6	0.31	190.23
PTEROPODS	10.5	6	0.31	190.23
POLYCHAETE LARVAE	12.0	5	0.26	158.53
PSEUDOCALANUS SP AM	13.0	4	0.21	126.82
CHAETOGNATHS	14.5	3	0.16	95.12
ANTHOZOA LARVAE	14.5	3	0.16	95.12
CENTROPAGES TYPICUS C	17.0	2	0.10	63.41
TORTANUS DISCAUDATUS	17.0	2	0.10	63.41
PARACALANUS PARVUS AF	17.0	2	0.10	63.41
PARACALANUS CRASSIROSTRIS AF	20.5	1	0.05	31.71
PENILIA	20.5	1	0.05	31.71
CALANUS SPP C	20.5	1	0.05	31.71
BIVALVE LARVAE	20.5	1	0.05	31.71
TOTALS	22	1920	100	60875.07

- DATA NOT TAKEN

STATION 55	SERIES 3	CAST 23	DATE 15 AUG 77	LATITUDE 39 46.3 N	LONGITUDE 73 46.3 W
	START TIME 2055	FINISH TIME 2135	SONIC DEPTH 25	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 2055	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 144

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1075	60.56	28289.47
PARACALANUS CRASSIROSTRIS AF	2.0	350	19.72	9210.53
PENILIA	3.0	68	3.83	1789.47
ACARTIA LONGIREMIS	4.0	57	3.21	1500.00
PTEROPODS	5.0	56	3.15	1473.68
EVADNE SPP	6.0	46	2.59	1210.53
CENTROPAGES TYPICUS AM	7.0	27	1.52	710.53
COPEPODIDS UNID	8.0	22	1.24	578.95
PARACALANUS CRASSIROSTRIS C	9.0	18	1.01	473.68
CENTROPAGES TYPICUS AF	10.0	15	0.85	394.74
PARACALANUS CRASSIROSTRIS AM	11.5	13	0.73	342.11
CENTROPAGES TYPICUS C	11.5	13	0.73	342.11
COPEPOD NAUPLII	13.0	5	0.28	131.58
ANTHOZOA LARVAE	14.0	2	0.11	52.63
BIVALVE LARVAE	18.5	1	0.06	26.32
LARVACEAN	18.5	1	0.06	26.32
ACARTIA SPP C	18.5	1	0.06	26.32
PARACALANUS PARVUS AF	18.5	1	0.06	26.32
DECAPOD LARVAE	18.5	1	0.06	26.32
FISH LARVAE	18.5	1	0.06	26.32
LABIDOCERA AESTIVA	18.5	1	0.06	26.32
EUPHAUSIID CALYPTOPSIS	18.5	1	0.06	26.32
TOTALS	22	1775	100	46710.54
- DATA NOT TAKEN				

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION 55	SERIES 3	CAST 23	DATE 15 AUG 77	LATITUDE 39 46.3 N	LONGITUDE 73 46.3 W
	START TIME 2055	FINISH TIME 2135	SONIC DEPTH 25	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 2100	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 145

S P E C I E S		RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	- - - - -	1.0	845	68.53	22236.84
PARACALANUS CRASSIROSTRIS AF	- -	2.0	140	11.35	3684.21
ACARTIA LONGIREMIS	- - - - -	3.0	52	4.22	1368.42
PENILIA	- - - - -	4.0	42	3.41	1105.26
PTEROPODS	- - - - -	5.0	34	2.76	894.74
EVADNE SPP	- - - - -	6.0	26	2.11	684.21
PARACALANUS CRASSIROSTRIS C	- -	7.0	20	1.62	526.32
PARACALANUS CRASSIROSTRIS AM	- -	8.0	19	1.54	500.00
COPEPOD NAUPLII	- - - - -	9.0	14	1.14	368.42
CENTROPAGES TYPICUS AF	- - - - -	10.5	9	0.73	236.84
CENTROPAGES TYPICUS C	- - - - -	10.5	9	0.73	236.84
COPEPODIDS UNID	- - - - -	12.5	6	0.49	157.89
LARVACEAN	- - - - -	12.5	6	0.49	157.89
ACARTIA SPP C	- - - - -	14.5	3	0.24	78.95
ANTHOZOA LARVAE	- - - - -	14.5	3	0.24	78.95
CENTROPAGES TYPICUS AM	- - - - -	16.0	2	0.16	52.63
TEMORA LONGICORNIS AM	- - - - -	18.0	1	0.08	26.32
PARACALANUS PARVUS AF	- - - - -	18.0	1	0.08	26.32
PSEUDOCALANUS SP AF	- - - - -	18.0	1	0.08	26.32
	TOTALS	19	1233	100	32447.37
- DATA NOT TAKEN					

STATION 55	SERIES 3	CAST 23	DATE 15 AUG 77	LATITUDE 39 46.3 N	LONGITUDE 73 46.3 W
	START TIME 2055	FINISH TIME 2135	SONIC DEPTH 25	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 2110	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0150	VOLUME COUNT 0.0570	SAMPLE NUMBER 146

S P E C I E S		RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	- - - - -	1.0	695	53.88	12192.98
PENILIA	- - - - -	2.0	152	11.78	2666.67
PTEROPODS	- - - - -	3.0	90	6.98	1578.95
COPEPODIDS UNID	- - - - -	4.0	73	5.66	1280.70
PARACALANUS CRASSIROSTRIS AM	- -	5.0	64	4.96	1122.81
CENTROPAGES TYPICUS C	- - - - -	6.0	52	4.03	912.28
ACARTIA LONGIREMIS	- - - - -	7.0	32	2.48	561.40
PARACALANUS CRASSIROSTRIS AF	- -	8.0	27	2.09	473.68
PARACALANUS CRASSIROSTRIS C	- -	9.0	22	1.71	385.96
EVADNE SPP	- - - - -	10.0	21	1.63	368.42
CENTROPAGES TYPICUS AM	- - - - -	11.0	18	1.40	315.79
CENTROPAGES TYPICUS AF	- - - - -	12.0	16	1.24	280.70
COPEPOD NAUPLII	- - - - -	13.0	12	0.93	210.53
MEDUSAE	- - - - -	14.0	9	0.70	157.89
SALPS	- - - - -	15.5	2	0.16	35.09
PARACALANUS PARVUS AF	- - - - -	15.5	2	0.16	35.09
POLYCHAETE LARVAE	- - - - -	18.0	1	0.08	17.54
FISH LARVAE	- - - - -	18.0	1	0.08	17.54
DOLIOLIDS	- - - - -	18.0	1	0.08	17.54
	TOTALS	19	1290	100	22631.58
- DATA NOT TAKEN					

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
55	3	23	15 AUG 77	39 46.3 N	73 46.3 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	2055	2135	25	70	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
15.0	2120	3.80	0.0033	0.0125	147

S P E C I E S	RANK COUNTS %			NO./M3	
COPEPOD NAUPLII	- - - - -	1.0	3010	67.67	240031.89
OITHONA SIMILIS	- - - - -	2.0	830	18.66	66188.20
COPEPODIDS UNID	- - - - -	3.0	178	4.00	14194.58
MICROSETELLA NORVEGICA	- - - - -	4.0	118	2.65	9409.89
PSEUDOCALANUS SP AF	- - - - -	5.0	100	2.25	7974.48
PSEUDOCALANUS SP C	- - - - -	6.0	68	1.53	5422.65
TEMORA LONGICORNIS AF	- - - - -	7.0	33	0.74	2631.58
TEMORA LONGICORNIS AM	- - - - -	8.0	26	0.58	2073.37
PSEUDOCALANUS SP AM	- - - - -	9.5	13	0.29	1036.68
PTEROPODS	- - - - -	9.5	13	0.29	1036.68
PARACALANUS PARVUS AF	- - - - -	11.0	12	0.27	956.94
CENTROPAGES TYPICUS C	- - - - -	12.0	11	0.25	877.19
CENTROPAGES TYPICUS AF	- - - - -	13.0	9	0.20	717.70
POLYCHAETE LARVAE	- - - - -	14.0	8	0.18	637.96
CENTROPAGES TYPICUS AM	- - - - -	15.0	5	0.11	398.72
TEMORA SPP	- - - - -	16.0	4	0.09	318.98
BIVALVE LARVAE	- - - - -	18.0	2	0.04	159.49
PENILIA	- - - - -	18.0	2	0.04	159.49
TEMORA LONGICORNIS C	- - - - -	18.0	2	0.04	159.49
PARACALANUS PARVUS C	- - - - -	21.5	1	0.02	79.74
ACARTIA LONGIREMIS	- - - - -	21.5	1	0.02	79.74
PARACALANUS PARVUS AM	- - - - -	21.5	1	0.02	79.74
OITHONA ATLANTICA	- - - - -	21.5	1	0.02	79.74
TOTALS		23	4448	100	354705.00
- DATA NOT TAKEN					

- DATA NOT TAKEN

STATION 55	SERIES 3	CAST 23	DATE 15 AUG 77	LATITUDE 39 46.3 N	LONGITUDE 73 46.3 W
	START TIME 2055	FINISH TIME 2135	SONIC DEPTH 25	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 2130	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0071	VOLUME COUNT 0.0270	SAMPLE NUMBER 148

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS - - - - -	1.0	855	47.95	31690.14
COPEPOD NAUPLII - - - - -	2.0	715	40.10	26501.11
PSEUDOCALANUS SP AF - - - - -	3.0	86	4.82	3187.55
PSEUDOCALANUS SP C - - - - -	4.0	40	2.24	1482.58
MICROSETELLA NORVEGICA - - - - -	5.0	22	1.23	815.42
COPEPODIDS UNID - - - - -	6.0	13	0.73	481.84
PSEUDOCALANUS SP AM - - - - -	7.0	10	0.56	370.64
POLYCHAETE LARVAE - - - - -	8.0	8	0.45	296.52
CENTROPAGES TYPICUS AF - - - - -	9.0	6	0.34	222.39
CENTROPAGES TYPICUS AM - - - - -	11.5	4	0.22	148.26
PARACALANUS PARVUS AF - - - - -	11.5	4	0.22	148.26
PARACALANUS PARVUS C - - - - -	11.5	4	0.22	148.26
ANTHOZOA LARVAE - - - - -	11.5	4	0.22	148.26
CENTROPAGES TYPICUS C - - - - -	14.5	3	0.17	111.19
PTEROPODS - - - - -	14.5	3	0.17	111.19
PENILIA - - - - -	16.0	2	0.11	74.13
PARACALANUS CRASSIROSTRIS AF - - -	18.5	1	0.06	37.06
DECAPOD LARVAE - - - - -	18.5	1	0.06	37.06
PARACALANUS CRASSIROSTRIS C - - -	18.5	1	0.06	37.06
CENTROPAGES HAMATUS - - - - -	18.5	1	0.06	37.06
TOTALS	20	1783	100	66085.98

- DATA NOT TAKEN

STATION 56	SERIES 3	CAST 24	DATE 16 AUG 77	LATITUDE 39 46.5 N	LONGITUDE 73 46.1 W
	START TIME 0025	FINISH TIME 0105	SONIC DEPTH 25	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 0025	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 149

S P E C I E S		RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	- - - - -	1.0	1080	73.27	28421.05
PENILIA	- - - - -	2.0	115	7.80	3026.32
PARACALANUS CRASSIROSTRIS AF	- -	3.0	68	4.61	1789.47
EVADNE SPP	- - - - -	4.0	49	3.32	1289.47
ACARTIA LONGIREMIS	- - - - -	5.0	26	1.76	684.21
CENTROPAGES TYPICUS AF	- - - - -	6.0	25	1.70	657.89
CENTROPAGES TYPICUS C	- - - - -	7.0	22	1.49	578.95
CENTROPAGES TYPICUS AM	- - - - -	8.5	18	1.22	473.68
COPEPODIDS UNID	- - - - -	8.5	18	1.22	473.68
PARACALANUS CRASSIROSTRIS AM	- -	10.0	14	0.95	368.42
PTEROPODS	- - - - -	11.0	10	0.68	263.16
COPEPOD NAUPLII	- - - - -	12.0	8	0.54	210.53
SALPS	- - - - -	13.0	7	0.47	184.21
PARACALANUS CRASSIROSTRIS C	- - -	14.0	5	0.34	131.58
LARVACEAN	- - - - -	15.5	3	0.20	78.95
PARACALANUS PARVUS AF	- - - - -	15.5	3	0.20	78.95
ACARTIA SPP C	- - - - -	18.0	1	0.07	26.32
BIVALVE LARVAE	- - - - -	18.0	1	0.07	26.32
MEDUSAE	- - - - -	18.0	1	0.07	26.32
	TOTALS	19	1474	100	38789.48

- DATA NOT TAKEN

STATION 56	SERIES 3	CAST 24	DATE 16 AUG 77	LATITUDE 39 46.5 N	LONGITUDE 73 46.1 W
	START TIME 0025	FINISH TIME 0105	SONIC DEPTH 25	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 0034	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 150

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1185	68.30	31184.21
PENILIA	2.0	120	6.92	3157.89
PARACALANUS CRASSIROSTRIS AF	3.5	100	5.76	2631.58
EVADNE SPP	3.5	100	5.76	2631.58
ACARTIA LONGIREMIS	5.0	35	2.02	921.05
CENTROPAGES TYPICUS AF	6.0	34	1.96	894.74
CENTROPAGES TYPICUS C	7.0	31	1.79	815.79
COPEPODIDS UNID	8.0	26	1.50	684.21
COPEPOD NAUPLII	9.5	21	1.21	552.63
PARACALANUS CRASSIROSTRIS AM	9.5	21	1.21	552.63
CENTROPAGES TYPICUS AM	11.0	19	1.10	500.00
PTEROPODS	12.0	16	0.92	421.05
SALPS	13.0	12	0.69	315.79
PARACALANUS CRASSIROSTRIS C	14.0	8	0.46	210.53
LARVACEAN	16.0	2	0.12	52.63
PARACALANUS PARVUS AF	16.0	2	0.12	52.63
MEDUSAE	16.0	2	0.12	52.63
FISH EGGS	18.0	1	0.06	26.32
TOTALS	18	1735	100	45657.90

- DATA NOT TAKEN

STATION 56	SERIES 3	CAST 24	DATE 16 AUG 77	LATITUDE 39 46.5 N	LONGITUDE 73 46.1 W
	START TIME 0025	FINISH TIME 0105	SONIC DEPTH 25	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 0043	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 151

SPECIES	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS - - - - -	1.0	1690	71.52	44473.68
PARACALANUS CRASSIROSTRIS AF - -	2.0	162	6.86	4263.16
PENILIA - - - - -	3.0	102	4.32	2684.21
PTEROPODS - - - - -	4.5	75	3.17	1973.68
CENTROPAGES TYPICUS C - - - - -	4.5	75	3.17	1973.68
ACARTIA LONGIREMIS - - - - -	6.0	64	2.71	1684.21
PARACALANUS CRASSIROSTRIS AM - -	7.0	57	2.41	1500.00
EVADNE SPP - - - - -	8.0	27	1.14	710.53
CENTROPAGES TYPICUS AM - - - - -	9.0	25	1.06	657.89
COPEPODIDS UNID - - - - -	10.5	24	1.02	631.58
CENTROPAGES TYPICUS AF - - - - -	10.5	24	1.02	631.58
COPEPOD NAUPLII - - - - -	12.0	18	0.76	473.68
PARACALANUS CRASSIROSTRIS C - -	13.0	4	0.17	105.26
BIVALVE LARVAE - - - - -	17.0	2	0.08	52.63
PARACALANUS PARVUS C - - - - -	17.0	2	0.08	52.63
ACARTIA SPP C - - - - -	17.0	2	0.08	52.63
DECAPOD LARVAE - - - - -	17.0	2	0.08	52.63
ANTHOZOA LARVAE - - - - -	17.0	2	0.08	52.63
SALPS - - - - -	17.0	2	0.08	52.63
MEDUSAE - - - - -	17.0	2	0.08	52.63
PARACALANUS PARVUS AF - - - - -	21.5	1	0.04	26.32
LARVACEAN - - - - -	21.5	1	0.04	26.32
TOTALS	22	2363	100	62184.21
- DATA NOT TAKEN				

STATION 56	SERIES 3	CAST 24	DATE 16 AUG 77	LATITUDE 39 46.5 N	LONGITUDE 73 46.1 W
	START TIME 0025	FINISH TIME 0105	SONIC DEPTH 25	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 0051	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0056	VOLUME COUNT 0.0213	SAMPLE NUMBER 152

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1605	46.23	75422.93
COPEPOD NAUPLII	2.0	1560	44.93	73308.27
MICROSETELLA NORVEGICA	3.0	61	1.76	2866.54
PSEUDOCALANUS SP C	4.0	58	1.67	2725.56
PSEUDOCALANUS SP AF	5.0	51	1.47	2396.62
COPEPODIDS UNID	6.0	45	1.30	2114.66
TEMORA LONGICORNIS AF	8.0	13	0.37	610.90
TEMORA LONGICORNIS AM	8.0	13	0.37	610.90
POLYCHAETE LARVAE	8.0	13	0.37	610.90
CENTROPAGES TYPICUS C	10.0	11	0.32	516.92
PTEROPODS	11.0	10	0.29	469.92
PARACALANUS PARVUS AF	12.0	8	0.23	375.94
CENTROPAGES TYPICUS AF	13.0	5	0.14	234.96
PENILIA	14.0	4	0.12	187.97
CENTROPAGES TYPICUS AM	16.0	3	0.09	140.98
DECAPOD LARVAE	16.0	3	0.09	140.98
OITHONA ATLANTICA	16.0	3	0.09	140.98
PSEUDOCALANUS SP AM	18.0	2	0.06	93.98
PARACALANUS PARVUS AM	20.5	1	0.03	46.99
EVADNE SPP	20.5	1	0.03	46.99
PARACALANUS CRASSIROSTRIS AM	20.5	1	0.03	46.99
PARACALANUS CRASSIROSTRIS AF	20.5	1	0.03	46.99
TOTALS	22	3472	100	163157.95

- DATA NOT TAKEN

STATION 56	SERIES 3	CAST 24	DATE 16 AUG 77	LATITUDE 39 46.5 N	LONGITUDE 73 46.1 W
	START TIME 0025	FINISH TIME 0105	SONIC DEPTH 25	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 0100	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0071	VOLUME COUNT 0.0270	SAMPLE NUMBER 153

S P E C I E S	RANK COUNTS %			NO./M3
COPEPOD NAUPLII - - - - -	1.0	600	49.59	22238.69
OITHONA SIMILIS - - - - -	2.0	395	32.64	14640.47
PSEUDOCALANUS SP AF - - - - -	3.0	71	5.87	2631.58
PSEUDOCALANUS SP C - - - - -	4.0	61	5.04	2260.93
MICROSETELLA NORVEGICA - - - - -	5.0	22	1.82	815.42
COPEPODIDS UNID - - - - -	6.0	18	1.49	667.16
PSEUDOCALANUS SP AM - - - - -	7.0	13	1.07	481.84
POLYCHAETE LARVAE - - - - -	8.0	10	0.83	370.64
CENTROPAGES TYPICUS AF - - - - -	9.0	6	0.50	222.39
PTEROPODS - - - - -	10.5	3	0.25	111.19
HARPACTICOIDA UNID - - - - -	10.5	3	0.25	111.19
PARACALANUS CRASSIROSTRIS AF - - -	12.5	2	0.17	74.13
ANTHOZOA LARVAE - - - - -	12.5	2	0.17	74.13
BIVALVE LARVAE - - - - -	15.5	1	0.08	37.06
CHAETOGNATHS - - - - -	15.5	1	0.08	37.06
CENTROPAGES HAMATUS - - - - -	15.5	1	0.08	37.06
CENTROPAGES TYPICUS C - - - - -	15.5	1	0.08	37.06
TOTALS	17	1210	100	44848.04

- DATA NOT TAKEN

STATION 63	SERIES 4	CAST 30	DATE 18 AUG 77	LATITUDE 40 30.0 N	LONGITUDE 73 46.0 W
	START TIME 1600	FINISH TIME 1645	SONIC DEPTH 23	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 1600	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0056	VOLUME COUNT 0.0213	SAMPLE NUMBER 179

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS - - - - -	1.0	3005	80.48	141212.41
COPEPOD NAUPLII - - - - -	2.0	270	7.23	12687.97
PARACALANUS CRASSIROSTRIS AF - -	3.0	128	3.43	6015.04
ACARTIA TONSA - - - - -	4.0	118	3.16	5545.11
PSEUDODIAPTOMUS CORONATUS - - -	5.0	40	1.07	1879.70
PARACALANUS CRASSIROSTRIS AM - -	6.0	36	0.96	1691.73
PARACALANUS CRASSIROSTRIS C - -	7.0	25	0.67	1174.81
ACARTIA SPP C - - - - -	8.0	22	0.59	1033.83
PTEROPODS - - - - -	9.0	20	0.54	939.85
COPEPODIDS UNID - - - - -	10.0	19	0.51	892.86
PARACALANUS PARVUS AF - - - - -	11.5	12	0.32	563.91
EVADNE SPP - - - - -	11.5	12	0.32	563.91
PENILIA - - - - -	13.5	4	0.11	187.97
BIVALVE LARVAE - - - - -	13.5	4	0.11	187.97
PARACALANUS PARVUS AM - - - - -	15.5	3	0.08	140.98
POLYCHAETE LARVAE - - - - -	15.5	3	0.08	140.98
PSEUDOCALANUS SP AF - - - - -	18.0	2	0.05	93.98
DECAPOD LARVAE - - - - -	18.0	2	0.05	93.98
TEMORA LONGICORNIS C - - - - -	18.0	2	0.05	93.98
PSEUDOCALANUS SP C - - - - -	23.0	1	0.03	46.99
TEMORA LONGICORNIS AF - - - - -	23.0	1	0.03	46.99
LARVACEAN - - - - -	23.0	1	0.03	46.99
CENTROPAGES TYPICUS AF - - - - -	23.0	1	0.03	46.99
CENTROPAGES TYPICUS C - - - - -	23.0	1	0.03	46.99
PARACALANUS PARVUS C - - - - -	23.0	1	0.03	46.99
PSEUDOCALANUS SP AM - - - - -	23.0	1	0.03	46.99
TOTALS	26	3734	100	175469.97

- DATA NOT TAKEN

STATION 63	SERIES 4	CAST 30	DATE 18 AUG 77	LATITUDE 40 30.0 N	LONGITUDE 73 46.0 W
	START TIME 1600	FINISH TIME 1645	SONIC DEPTH 23	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 1620	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0042	VOLUME COUNT 0.0160	SAMPLE NUMBER 180

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1455	68.02	91165.41
COPEPOD NAUPLII	2.0	165	7.71	10338.35
ACARTIA TONSA	3.5	128	5.98	8020.05
PARACALANUS CRASSIROSTRIS AM	3.5	128	5.98	8020.05
PARACALANUS CRASSIROSTRIS AF	5.0	51	2.38	3195.49
PARACALANUS CRASSIROSTRIS C	6.0	43	2.01	2694.24
COPEPODIDS UNID	7.0	38	1.78	2380.95
PSEUDODIAPTOMUS CORONATUS	8.0	31	1.45	1942.36
ACARTIA SPP C	9.0	24	1.12	1503.76
PTEROPODS	10.5	17	0.79	1065.16
EVAONE SPP	10.5	17	0.79	1065.16
PARACALANUS PARVUS AF	12.0	16	0.75	1002.51
CENTROPAGES TYPICUS C	13.0	14	0.65	877.19
TEMORA SPP	14.0	4	0.19	250.63
PARACALANUS PARVUS AM	15.0	2	0.09	125.31
MICROSETELLA NORVEGICA	18.5	1	0.05	62.66
PENILIA	18.5	1	0.05	62.66
TEMORA LONGICORNIS AM	18.5	1	0.05	62.66
DECAPOD LARVAE	18.5	1	0.05	62.66
POLYCHAETE LARVAE	18.5	1	0.05	62.66
ANTHOZOA LARVAE	18.5	1	0.05	62.66
TOTALS	21	2139	100	134022.53
- DATA NOT TAKEN				

STATION 63	SERIES 4	CAST 30	DATE 18 AUG 77	LATITUDE 40 30.0 N	LONGITUDE 73 46.0 W
	START TIME 1600	FINISH TIME 1645	SONIC DEPTH 23	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 1626	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0042	VOLUME COUNT 0.0160	SAMPLE NUMBER 181

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPOD NAUPLII	1.0	500	37.01	31328.32
OITHONA SIMILIS	2.0	360	26.65	22556.39
ACARTIA TONSA	3.0	192	14.21	12030.08
CENTROPAGES TYPICUS C	4.0	64	4.74	4010.02
PSEUDOCALANUS SP AF	5.0	52	3.85	3258.15
COPEPODIDS UNID	6.0	34	2.52	2130.33
ACARTIA SPP C	7.0	32	2.37	2005.01
PSEUDOCALANUS SP C	8.0	24	1.78	1503.76
PARACALANUS CRASSIROSTRIS AM	9.5	15	1.11	939.85
PARACALANUS PARVUS AF	9.5	15	1.11	939.85
TEMORA LONGICORNIS C	11.0	12	0.89	751.88
PTEROPODS	12.0	8	0.59	501.25
MICROSETELLA NORVEGICA	13.0	7	0.52	438.60
PARACALANUS CRASSIROSTRIS AF	14.5	6	0.44	375.94
PENILIA	14.5	6	0.44	375.94
PARACALANUS PARVUS AM	16.0	5	0.37	313.28
PARACALANUS PARVUS C	17.5	4	0.30	250.63
PSEUDODIAPTOMUS CORONATUS	17.5	4	0.30	250.63
PARACALANUS CRASSIROSTRIS C	19.5	3	0.22	187.97
EVADNE SPP	19.5	3	0.22	187.97
TEMORA LONGICORNIS AM	21.0	2	0.15	125.31
PSEUDOCALANUS SP AM	23.0	1	0.07	62.66
BIVALVE LARVAE	23.0	1	0.07	62.66
CALANUS SPP C	23.0	1	0.07	62.66
TOTALS	24	1351	100	84649.12

- DATA NOT TAKEN

STATION 63	SERIES 4	CAST 30	DATE 18 AUG 77	LATITUDE 40 30.0 N	LONGITUDE 73 46.0 W
	START TIME 1600	FINISH TIME 1645	SONIC DEPTH 23	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 1633	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0050	VOLUME COUNT 0.0190	SAMPLE NUMBER 182

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	355	32.01	18684.21
PSEUDOCALANUS SP C	2.0	175	15.78	9210.53
COPEPOD NAUPLII	3.0	170	15.33	8947.37
PSEUDOCALANUS SP AF	4.0	145	13.07	7631.58
MICROSETELLA NORVEGICA	5.0	138	12.44	7263.16
CENTROPAGES TYPICUS C	6.0	36	3.25	1894.74
COPEPODIDS UNID	7.0	16	1.44	842.11
ACARTIA TONSA	8.0	13	1.17	684.21
CHAETOGNATHS	9.0	11	0.99	578.95
BIVALVE LARVAE	10.0	10	0.90	526.32
PSEUDOCALANUS SP AM	11.5	7	0.63	368.42
PTEROPODS	11.5	7	0.63	368.42
TEMORA LONGICORNIS AM	14.0	4	0.36	210.53
PARACALANUS PARVUS C	14.0	4	0.36	210.53
PARACALANUS PARVUS AF	14.0	4	0.36	210.53
PARACALANUS CRASSIROSTRIS AM	16.0	3	0.27	157.89
PSEUDODIAPTOMUS CORONATUS	17.5	2	0.18	105.26
CALANUS SPP C	17.5	2	0.18	105.26
ACARTIA SPP C	22.0	1	0.09	52.63
TEMORA LONGICORNIS AF	22.0	1	0.09	52.63
CENTROPAGES TYPICUS AM	22.0	1	0.09	52.63
CENTROPAGES TYPICUS AF	22.0	1	0.09	52.63
DECAPOD LARVAE	22.0	1	0.09	52.63
POLYCHAETE LARVAE	22.0	1	0.09	52.63
PLUTEI	22.0	1	0.09	52.63
TOTALS	25	1109	100	58368.43

- DATA NOT TAKEN

STATION 63	SERIES 4	CAST 30	DATE 18 AUG 77	LATITUDE 40 30.0 N	LONGITUDE 73 46.0 W
	START TIME 1600	FINISH TIME 1645	SONIC DEPTH 23	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 1640	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 183

S P E C I E S	RANK COUNTS %			NO./M3
PSEUDOCALANUS SP C	1.0	540	32.43	14210.53
COPEPOD NAUPLII	2.0	335	20.12	8815.79
PSEUDOCALANUS SP AF	3.0	195	11.71	5131.58
CENTROPAGES TYPICUS C	4.0	130	7.81	3421.05
MICROSETELLA NORVEGICA	5.0	118	7.09	3105.26
OITHONA SIMILIS	6.0	115	6.91	3026.32
TEMORA LONGICORNIS AM	7.0	49	2.94	1289.47
CENTROPAGES TYPICUS AF	8.0	39	2.34	1026.32
TEMORA LONGICORNIS AF	9.0	27	1.62	710.53
PSEUDOCALANUS SP AM	10.0	24	1.44	631.58
CENTROPAGES TYPICUS AM	11.0	22	1.32	578.95
PSEUDODIAPTOMUS CORONATUS	12.0	16	0.96	421.05
CALANUS SPP C	13.0	12	0.72	315.79
ANTHOZOA LARVAE	14.0	9	0.54	236.84
ACARTIA TONSA	15.0	8	0.48	210.53
PTEROPODS	17.0	6	0.36	157.89
BIVALVE LARVAE	17.0	6	0.36	157.89
COPEPODIDS UNID	17.0	6	0.36	157.89
POLYCHAETE LARVAE	19.0	3	0.18	78.95
CHAETOGNATHS	20.5	2	0.12	52.63
DECAPOD LARVAE	20.5	2	0.12	52.63
ONCAEA SPP	22.0	1	0.06	26.32
TOTALS	22	1665	100	43815.79

- DATA NOT TAKEN

STATION 64	SERIES 4	CAST 31	DATE 18 AUG 77	LATITUDE 40 29.9 N	LONGITUDE 73 47.1 W
	START TIME 2100	FINISH TIME 2140	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 1.0	SAMPLE TIME 2100	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0062	VOLUME COUNT 0.0236	SAMPLE NUMBER 184

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	3970	77.54	168505.92
ACARTIA TONSA	2.0	400	7.81	16977.93
COPEPOD NAUPLII	3.0	240	4.69	10186.76
CENTROPAGES TYPICUS C	4.0	113	2.21	4796.26
PSEUDOCALANUS SP AF	5.0	85	1.66	3607.81
PARACALANUS CRASSIROSTRIS AF	6.0	34	0.66	1443.12
PARACALANUS CRASSIROSTRIS AM	7.0	33	0.64	1400.68
CENTROPAGES TYPICUS AM	8.0	29	0.57	1230.90
PTEROPODS	9.0	28	0.55	1188.45
PSEUDODIAPTOMUS CORONATUS	10.0	26	0.51	1103.57
PSEUDOCALANUS SP C	11.0	25	0.49	1061.12
COPEPODIDS UNID	12.0	24	0.47	1018.68
PARACALANUS CRASSIROSTRIS C	13.0	23	0.45	976.23
TEMORA LONGICORNIS AM	14.0	16	0.31	679.12
PARACALANUS PARVUS AF	15.0	13	0.25	551.78
CENTROPAGES TYPICUS AF	16.0	12	0.23	509.34
EVADNE SPP	17.0	11	0.21	466.89
PENILIA	18.0	7	0.14	297.11
ACARTIA SPP C	19.5	6	0.12	254.67
PARACALANUS PARVUS C	19.5	6	0.12	254.67
TEMORA LONGICORNIS C	22.0	4	0.08	169.78
DECAPOD LARVAE	22.0	4	0.08	169.78
PARACALANUS PARVUS AM	22.0	4	0.08	169.78
POLYCHAETE LARVAE	24.5	2	0.04	84.89
TEMORA LONGICORNIS AF	24.5	2	0.04	84.89
TEMORA SPP	27.0	1	0.02	42.44
TORTANUS DISCAUDATUS	27.0	1	0.02	42.44
MICROSETELLA NORVEGICA	27.0	1	0.02	42.44
TOTALS	28	5120	100	217317.44

- DATA NOT TAKEN

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
64	4	31	18 AUG 77	40 29.9 N	73 47.1 W
	START TIME 2100	FINISH TIME 2140	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
5.0	2110	3.80	0.0095	0.0361	185

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	685	40.80	18975.07
COPEPOD NAUPLII	2.0	290	17.27	8033.24
ACARTIA TONSA	3.0	240	14.29	6648.20
PSEUDOCALANUS SP AF	4.0	63	3.75	1745.15
CENTROPAGES TYPICUS C	5.0	56	3.34	1551.25
PSEUDODIAPTOMUS CORONATUS	6.0	52	3.10	1440.44
TEMORA LONGICORNIS AM	7.0	44	2.62	1218.84
COPEPODIDS UNID	8.0	36	2.14	997.23
PSEUDOCALANUS SP C	9.5	33	1.97	914.13
PARACALANUS CRASSIROSTRIS AM	9.5	33	1.97	914.13
PARACALANUS CRASSIROSTRIS C	11.0	29	1.73	803.32
ACARTIA SPP C	12.0	19	1.13	526.32
PARACALANUS CRASSIROSTRIS AF	13.5	17	1.01	470.91
MICROSETELLA NORVEGICA	13.5	17	1.01	470.91
PENILIA	16.0	9	0.54	249.31
TEMORA LONGICORNIS AF	16.0	9	0.54	249.31
PTEROPODS	16.0	9	0.54	249.31
CENTROPAGES TYPICUS AF	18.5	8	0.48	221.61
TEMORA LONGICORNIS C	18.5	8	0.48	221.61
PARACALANUS PARVUS AF	20.0	6	0.36	166.20
CENTROPAGES TYPICUS AM	21.0	4	0.24	110.80
PARACALANUS PARVUS AM	22.5	3	0.18	83.10
BIVALVE LARVAE	22.5	3	0.18	83.10
DECAPOD LARVAE	24.5	2	0.12	55.40
ANTHOZOA LARVAE	24.5	2	0.12	55.40
PARACALANUS PARVUS C	26.5	1	0.06	27.70
POLYCHAETE LARVAE	26.5	1	0.06	27.70
TOTALS	27	1679	100	46509.69

- DATA NOT TAKEN

STATION 64	SERIES 4	CAST 31	DATE 18 AUG 77	LATITUDE 40 29.9 N	LONGITUDE 73 47.1 W
	START TIME 2100	FINISH TIME 2140	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 10.0	SAMPLE TIME 2117	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0080	VOLUME COUNT 0.0304	SAMPLE NUMBER 186

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	325	31.16	10690.79
PSEUDOCALANUS SP C	2.0	250	23.97	8223.68
COPEPOD NAUPLII	3.0	158	15.15	5197.37
PSEUDOCALANUS SP AF	4.0	78	7.48	2565.79
ACARTIA TONSA	5.0	44	4.22	1447.37
MICROSETELLA NORVEGICA	6.0	30	2.88	986.84
CENTROPAGES TYPICUS C	7.0	27	2.59	888.16
TEMORA LONGICORNIS AM	8.0	20	1.92	657.89
PSEUDODIAPTOMUS CORONATUS	9.0	19	1.82	625.00
PTEROPODS	10.0	16	1.53	526.32
BIVALVE LARVAE	11.0	12	1.15	394.74
COPEPODIDS UNID	12.0	9	0.86	296.05
PARACALANUS PARVUS C	14.0	8	0.77	263.16
CENTROPAGES TYPICUS AM	14.0	8	0.77	263.16
PSEUDOCALANUS SP AM	14.0	8	0.77	263.16
CENTROPAGES TYPICUS AF	16.5	5	0.48	164.47
PARACALANUS CRASSIROSTRIS AF	16.5	5	0.48	164.47
TEMORA LONGICORNIS AF	18.5	4	0.38	131.58
PARACALANUS CRASSIROSTRIS AM	18.5	4	0.38	131.58
PARACALANUS PARVUS AF	21.5	2	0.19	65.79
ANTHOZOA LARVAE	21.5	2	0.19	65.79
TORTANUS DISCAUDATUS	21.5	2	0.19	65.79
PARACALANUS CRASSIROSTRIS C	21.5	2	0.19	65.79
POLYCHAETE LARVAE	26.0	1	0.10	32.89
ECTOPROCT LARVAE	26.0	1	0.10	32.89
CENTROPAGES HAMATUS	26.0	1	0.10	32.89
TEMORA LONGICORNIS C	26.0	1	0.10	32.89
CALANUS SPP C	26.0	1	0.10	32.89
TOTALS	28	1043	100	34309.20

- DATA NOT TAKEN

STATION 64	SERIES 4	CAST 31	DATE 18 AUG 77	LATITUDE 40 29.9 N	LONGITUDE 73 47.1 W
	START TIME 2100	FINISH TIME 2140	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 15.0	SAMPLE TIME 2125	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0250	VOLUME COUNT 0.0950	SAMPLE NUMBER 187

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS - - - - -	1.0	575	30.28	6052.63
PSEUDOCALANUS SP C - - - - -	2.0	455	23.96	4789.47
COPEPOD NAUPLII - - - - -	3.0	260	13.69	2736.84
PSEUDOCALANUS SP AF - - - - -	4.0	200	10.53	2105.26
MICROSETELLA NORVEGICA - - - - -	5.0	158	8.32	1663.16
CENTROPAGES TYPICUS C - - - - -	6.0	86	4.53	905.26
ACARTIA TONSA - - - - -	7.0	20	1.05	210.53
CHAETOGNATHS - - - - -	8.0	19	1.00	200.00
PSEUDOCALANUS SP AM - - - - -	9.0	16	0.84	168.42
COPEPODIDS UNID - - - - -	11.0	15	0.79	157.89
PSEUDODIAPTOMUS CORONATUS - - - - -	11.0	15	0.79	157.89
TEMORA LONGICORNIS AM - - - - -	11.0	15	0.79	157.89
ANTHOZOA LARVAE - - - - -	13.0	13	0.68	136.84
PTEROPODS - - - - -	14.5	6	0.32	63.16
ONCAEA SPP - - - - -	14.5	6	0.32	63.16
TEMORA LONGICORNIS AF - - - - -	16.5	5	0.26	52.63
POLYCHAETE LARVAE - - - - -	16.5	5	0.26	52.63
CALANUS SPP C - - - - -	19.0	4	0.21	42.11
POLYCHAETE LAR EAR - - - - -	19.0	4	0.21	42.11
CENTROPAGES TYPICUS AM - - - - -	19.0	4	0.21	42.11
BIVALVE LARVAE - - - - -	22.5	3	0.16	31.58
PARACALANUS CRASSIROSTRIS AF - - - - -	22.5	3	0.16	31.58
CENTROPAGES TYPICUS AF - - - - -	22.5	3	0.16	31.58
PARACALANUS PARVUS C - - - - -	22.5	3	0.16	31.58
ACARTIA SPP C - - - - -	25.0	2	0.11	21.05
TORTANUS DISCAUDATUS - - - - -	27.5	1	0.05	10.53
MYSID LARVAE - - - - -	27.5	1	0.05	10.53
PARACALANUS CRASSIROSTRIS AM - - - - -	27.5	1	0.05	10.53
TEMORA LONGICORNIS C - - - - -	27.5	1	0.05	10.53
TOTALS	29	1899	100	19989.46
- DATA NOT TAKEN				

STATION 64	SERIES 4	CAST 31	DATE 18 AUG 77	LATITUDE 40 29.9 N	LONGITUDE 73 47.1 W
	START TIME 2100	FINISH TIME 2140	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 20.0	SAMPLE TIME 2135	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0143	VOLUME COUNT 0.0543	SAMPLE NUMBER 188

S P E C I E S	RANK COUNTS %			NO./M3
PSEUDOCALANUS SP C	1.0	390	30.78	7177.03
OITHONA SIMILIS	2.0	250	19.73	4600.66
COPEPOD NAUPLII	3.0	202	15.94	3717.34
PSEUDOCALANUS SP AF	4.0	192	15.15	3533.31
MICROSETELLA NORVEGICA	5.0	71	5.60	1306.59
CENTROPAGES TYPICUS C	6.0	26	2.05	478.47
ANTHOZOA LARVAE	7.0	22	1.74	404.86
PTEROPODS	8.0	18	1.42	331.25
PSEUDOCALANUS SP AM	9.0	14	1.10	257.64
ACARTIA TONSA	10.5	10	0.79	184.03
POLYCHAETE LARVAE	10.5	10	0.79	184.03
HARPACTICOIDA UNID	12.5	8	0.63	147.22
CHAETOGNATHS	12.5	8	0.63	147.22
ONCAEA SPP	14.5	7	0.55	128.82
TEMORA LONGICORNIS AM	14.5	7	0.55	128.82
COPEPODIDS UNID	16.0	5	0.39	92.01
CALANUS SPP C	17.5	4	0.32	73.61
BIVALVE LARVAE	17.5	4	0.32	73.61
CENTROPAGES HAMATUS	19.0	3	0.24	55.21
CENTROPAGES TYPICUS AM	22.5	2	0.16	36.81
POLYCHAETE LAR EAR	22.5	2	0.16	36.81
TORTANUS DISCAUDATUS	22.5	2	0.16	36.81
PSEUDODIAPTOMUS CORONATUS	22.5	2	0.16	36.81
TEMORA LONGICORNIS AF	22.5	2	0.16	36.81
CENTROPAGES TYPICUS AF	22.5	2	0.16	36.81
PARACALANUS PARVUS AM	27.5	1	0.08	18.40
PARACALANUS PARVUS C	27.5	1	0.08	18.40
PARACALANUS CRASSIROSTRIS AF	27.5	1	0.08	18.40
CLYTEMNESTRA SPP	27.5	1	0.08	18.40
TOTALS	29	1267	100	23316.15
- DATA NOT TAKEN				

STATION 65	SERIES 4	CAST 32	DATE 19 AUG 77	LATITUDE 40 30.3 N	LONGITUDE 73 47.4 W
	START TIME 0024	FINISH TIME 0105	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 1.0	SAMPLE TIME 0024	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0062	VOLUME COUNT 0.0236	SAMPLE NUMBER 189

SPECIES	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS - - - - -	1.0	1220	55.63	51782.68
ACARTIA TONSA - - - - -	2.0	370	16.87	15704.58
CENTROPAGES TYPICUS C - - - - -	3.0	156	7.11	6621.39
COPEPOD NAUPLII - - - - -	4.0	112	5.11	4753.82
PARACALANUS CRASSIROSTRIS AF - -	5.0	86	3.92	3650.25
PARACALANUS CRASSIROSTRIS AM - -	6.0	66	3.01	2801.36
PTEROPODS - - - - -	7.0	35	1.60	1485.57
PARACALANUS CRASSIROSTRIS C - - -	8.0	28	1.28	1188.45
PARACALANUS PARVUS AF - - - - -	9.0	23	1.05	976.23
COPEPODIDS UNID - - - - -	10.0	22	1.00	933.79
CENTROPAGES TYPICUS AM - - - - -	11.0	18	0.82	764.01
PSEUDODIAPTOMUS CORONATUS - - - -	12.0	11	0.50	466.89
CENTROPAGES TYPICUS AF - - - - -	13.0	9	0.41	382.00
EVADNE SPP - - - - -	14.5	6	0.27	254.67
PENILIA - - - - -	14.5	6	0.27	254.67
TEMORA LONGICORNIS AM - - - - -	16.0	5	0.23	212.22
ACARTIA SPP C - - - - -	17.5	4	0.18	169.78
BIVALVE LARVAE - - - - -	17.5	4	0.18	169.78
MICROSETELLA NORVEGICA - - - - -	19.5	3	0.14	127.33
DECAPOD LARVAE - - - - -	19.5	3	0.14	127.33
POLYCHAETE LARVAE - - - - -	22.0	2	0.09	84.89
TEMORA LONGICORNIS C - - - - -	22.0	2	0.09	84.89
TEMORA LONGICORNIS AF - - - - -	22.0	2	0.09	84.89
TOTALS	23	2193	100	93081.51

- DATA NOT TAKEN

STATION 65	SERIES 4	CAST 32	DATE 19 AUG 77	LATITUDE 40 30.3 N	LONGITUDE 73 47.4 W
	START TIME 0024	FINISH TIME 0105	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 5.0	SAMPLE TIME 0033	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0062	VOLUME COUNT 0.0236	SAMPLE NUMBER 190

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	2735	77.77	116086.58
ACARTIA TONSA	2.0	260	7.39	11035.65
COPEPOD NAUPLII	3.0	150	4.26	6366.72
PARACALANUS CRASSIROSTRIS AM	4.0	81	2.30	3438.03
CENTROPAGES TYPICUS C	5.0	77	2.19	3268.25
PARACALANUS CRASSIROSTRIS AF	6.0	58	1.65	2461.80
PARACALANUS CRASSIROSTRIS C	7.0	31	0.88	1315.79
PTEROPODS	8.0	28	0.80	1188.45
PSEUDODIAPTOMUS CORONATUS	9.0	16	0.45	679.12
PARACALANUS PARVUS AF	10.0	13	0.37	551.78
CENTROPAGES TYPICUS AM	11.0	11	0.31	466.89
PSEUDOCALANUS SP C	12.0	9	0.26	382.00
COPEPODIDS UNID	13.5	8	0.23	339.56
PSEUDOCALANUS SP AF	13.5	8	0.23	339.56
TEMORA LONGICORNIS AM	15.0	5	0.14	212.22
POLYCHAETE LARVAE	16.5	4	0.11	169.78
CENTROPAGES TYPICUS AF	16.5	4	0.11	169.78
ACARTIA SPP C	18.5	3	0.09	127.33
DECAPOD LARVAE	18.5	3	0.09	127.33
PENILIA	21.0	2	0.06	84.89
TEMORA LONGICORNIS AF	21.0	2	0.06	84.89
PARACALANUS PARVUS AM	21.0	2	0.06	84.89
TORTANUS DISCAUDATUS	26.0	1	0.03	42.44
EVADNE SPP	26.0	1	0.03	42.44
POLYCHAETE LAR EAR	26.0	1	0.03	42.44
PARACALANUS PARVUS C	26.0	1	0.03	42.44
CALANUS SPP C	26.0	1	0.03	42.44
BIVALVE LARVAE	26.0	1	0.03	42.44
ANTHOZOA LARVAE	26.0	1	0.03	42.44
TOTALS	29	3517	100	149278.36
- DATA NOT TAKEN				

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
65	4	32	19 AUG 77	40 30.3 N	73 47.4 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	0024	0105	23	73	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
10.0	0042	3.80	0.0083	0.0315	191

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	335	28.49	10621.43
COPEPOD NAUPLII	2.0	215	18.28	6816.74
PSEUDOCALANUS SP C	3.0	168	14.29	5326.57
ACARTIA TONSA	4.0	145	12.33	4597.34
PSEUDOCALANUS SP AF	5.0	86	7.31	2726.70
MICROSETELLA NORVEGICA	6.0	42	3.57	1331.64
CENTROPAGES TYPICUS C	7.0	37	3.15	1173.11
TEMORA LONGICORNIS AM	8.0	34	2.89	1078.00
PSEUDODIAPTOMUS CORONATUS	9.0	24	2.04	760.94
CENTROPAGES TYPICUS AM	10.0	16	1.36	507.29
COPEPODIDS UNID	11.0	14	1.19	443.88
CENTROPAGES TYPICUS AF	12.0	13	1.11	412.17
BIVALVE LARVAE	13.0	10	0.85	317.06
PENILIA	14.0	9	0.77	285.35
TEMORA LONGICORNIS AF	15.0	6	0.51	190.23
PSEUDOCALANUS SP AM	17.0	4	0.34	126.82
PTEROPODS	17.0	4	0.34	126.82
PARACALANUS PARVUS AF	17.0	4	0.34	126.82
CALANUS SPP C	19.0	3	0.26	95.12
TORTANUS DISCAUDATUS	20.5	2	0.17	63.41
PARACALANUS CRASSIROSTRIS C	20.5	2	0.17	63.41
TEMORA LONGICORNIS C	23.0	1	0.09	31.71
PARACALANUS CRASSIROSTRIS AM	23.0	1	0.09	31.71
POLYCHAETE LARVAE	23.0	1	0.09	31.71
TOTALS	24	1176	100	37285.99

- DATA NOT TAKEN

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
65	4	32	19 AUG 77	40 30.3 N	73 47.4 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	0024	0105	23	73	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
15.0	0051	3.80	0.0083	0.0315	192

SPECIES	RANK COUNTS %			NO./M3
PSEUDOCALANUS SP C	1.0	325	27.52	10304.38
OITHONA SIMILIS	2.0	295	24.98	9353.20
COPEPOD NAUPLII	3.0	168	14.23	5326.57
MICROSETELLA NORVEGICA	4.0	143	12.11	4533.92
PSEUDOCALANUS SP AF	5.0	125	10.58	3963.22
CHAETOGNATHS	6.0	19	1.61	602.41
PSEUDOCALANUS SP AM	7.5	17	1.44	539.00
CENTROPAGES TYPICUS C	7.5	17	1.44	539.00
CENTROPAGES TYPICUS AM	9.0	13	1.10	412.17
BIVALVE LARVAE	10.0	10	0.85	317.06
TEMORA LONGICORNIS AM	11.0	9	0.76	285.35
ANTHOZOA LARVAE	12.0	8	0.68	253.65
CENTROPAGES TYPICUS AF	13.0	7	0.59	221.94
POLYCHAETE LARVAE	14.5	5	0.42	158.53
PTEROPODS	14.5	5	0.42	158.53
DECAPOD LARVAE	16.0	4	0.34	126.82
CALANUS SPP C	17.0	3	0.25	95.12
PARACALANUS CRASSIROSTRIS AM	19.0	2	0.17	63.41
ACARTIA TONSA	19.0	2	0.17	63.41
TORTANUS DISCAUDATUS	19.0	2	0.17	63.41
POLYCHAETE LAR EAR	21.5	1	0.08	31.71
PARACALANUS PARVUS AF	21.5	1	0.08	31.71
TOTALS				
	22	1181	100	37444.52

- DATA NOT TAKEN

STATION 65	SERIES 4	CAST 32	DATE 19 AUG 77	LATITUDE 40 30.3 N	LONGITUDE 73 47.4 W
	START TIME 0024	FINISH TIME 0105	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 20.0	SAMPLE TIME 0100	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0250	VOLUME COUNT 0.0950	SAMPLE NUMBER 193

S P E C I E S	RANK COUNTS %			NO./M3
PSEUDOCALANUS SP C	1.0	530	31.14	5578.95
COPEPOD NAUPLII	2.0	425	24.97	4473.68
OITHONA SIMILIS	3.0	265	15.57	2789.47
PSEUDOCALANUS SP AF	4.0	210	12.34	2210.53
MICROSETELLA NORVEGICA	5.0	57	3.35	600.00
ACARTIA TONSA	6.0	31	1.82	326.32
CHAETOGNATHS	7.0	27	1.59	284.21
CENTROPAGES TYPICUS C	8.0	24	1.41	252.63
PSEUDOCALANUS SP AM	9.0	21	1.23	221.05
CENTROPAGES TYPICUS AM	10.0	16	0.94	168.42
ANTHOZOA LARVAE	11.0	15	0.88	157.89
CENTROPAGES TYPICUS AF	12.0	13	0.76	136.84
PSEUDODIAPTOMUS CORONATUS	13.0	11	0.65	115.79
BIVALVE LARVAE	14.0	9	0.53	94.74
PTEROPODS	15.5	8	0.47	84.21
COPEPODIDS UNID	15.5	8	0.47	84.21
POLYCHAETE LARVAE	17.0	7	0.41	73.68
HARPACTICOIDA UNID	18.0	6	0.35	63.16
DECAPOD LARVAE	20.0	3	0.18	31.58
PARACALANUS PARVUS C	20.0	3	0.18	31.58
TEMORA LONGICORNIS AM	20.0	3	0.18	31.58
TEMORA LONGICORNIS AF	23.0	2	0.12	21.05
TORTANUS DISCAUDATUS	23.0	2	0.12	21.05
CALANUS SPP C	23.0	2	0.12	21.05
PARACALANUS CRASSIROSTRIS AF	26.5	1	0.06	10.53
TEMORA LONGICORNIS C	26.5	1	0.06	10.53
PARACALANUS CRASSIROSTRIS AM	26.5	1	0.06	10.53
PARACALANUS PARVUS AF	26.5	1	0.06	10.53
TOTALS	28	1702	100	17915.78
- DATA NOT TAKEN				

STATION 66	SERIES 4	CAST 33	DATE 19 AUG 77	LATITUDE 40 29.3 N	LONGITUDE 73 47.3 W
	START TIME 0420	FINISH TIME 0454	SONIC DEPTH 23	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 0420	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0053	VOLUME COUNT 0.0201	SAMPLE NUMBER 194

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	2610	74.44	129592.85
ACARTIA TONSA	2.0	315	8.98	15640.52
COPEPOD NAUPLII	3.0	255	7.27	12661.37
CENTROPAGES TYPICUS C	4.0	69	1.97	3426.02
ACARTIA SPP C	5.0	58	1.65	2879.84
PARACALANUS CRASSIROSTRIS AF	6.0	47	1.34	2333.66
COPEPODIDS UNID	7.0	32	0.91	1588.88
PTEROPODS	8.0	26	0.74	1290.96
PARACALANUS CRASSIROSTRIS AM	9.0	22	0.63	1092.35
PARACALANUS CRASSIROSTRIS C	10.0	16	0.46	794.44
PSEUDODIAPTOMUS CORONATUS	11.0	14	0.40	695.13
CENTROPAGES TYPICUS AM	12.0	8	0.23	397.22
CENTROPAGES TYPICUS AF	13.0	7	0.20	347.57
EVADNE SPP	14.0	6	0.17	297.91
PSEUDOCALANUS SP C	15.0	5	0.14	248.26
MICROSETELLA NORVEGICA	16.5	4	0.11	198.61
PARACALANUS PARVUS AF	16.5	4	0.11	198.61
PENILIA	18.0	2	0.06	99.30
TEMORA LONGICORNIS AM	21.5	1	0.03	49.65
BIVALVE LARVAE	21.5	1	0.03	49.65
PSEUDOCALANUS SP AF	21.5	1	0.03	49.65
ONCAEA SPP	21.5	1	0.03	49.65
DECAPOD LARVAE	21.5	1	0.03	49.65
POLYCHAETE LARVAE	21.5	1	0.03	49.65
TOTALS	24	3506	100	174081.50

- DATA NOT TAKEN

STATION 66	SERIES 4	CAST 33	DATE 19 AUG 77	LATITUDE 40 29.3 N	LONGITUDE 73 47.3 W
	START TIME 0420	FINISH TIME 0454	SONIC DEPTH 23	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 0426	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0071	VOLUME COUNT 0.0270	SAMPLE NUMBER 195

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	770	36.00	28539.66
COPEPOD NAUPLII	2.0	745	34.83	27613.04
PSEUDOCALANUS SP AF	3.0	118	5.52	4373.61
ACARTIA TONSA	4.0	83	3.88	3076.35
CENTROPAGES TYPICUS C	5.0	76	3.55	2816.90
COPEPODIDS UNID	6.0	60	2.81	2223.87
PSEUDOCALANUS SP C	7.0	38	1.78	1408.45
TEMORA LONGICORNIS AM	8.0	30	1.40	1111.93
PSEUDODIAPTOMUS CORONATUS	9.0	28	1.31	1037.81
CENTROPAGES TYPICUS AM	10.0	23	1.08	852.48
CENTROPAGES TYPICUS AF	11.0	22	1.03	815.42
PARACALANUS PARVUS AF	12.0	20	0.94	741.29
MICROSETELLA NORVEGICA	13.0	19	0.89	704.23
PARACALANUS CRASSIROSTRIS AM	14.0	18	0.84	667.16
TEMORA LONGICORNIS C	15.5	12	0.56	444.77
PARACALANUS CRASSIROSTRIS AF	15.5	12	0.56	444.77
ACARTIA SPP C	17.0	10	0.47	370.64
TEMORA LONGICORNIS AF	19.0	8	0.37	296.52
PARACALANUS CRASSIROSTRIS C	19.0	8	0.37	296.52
PTEROPODS	19.0	8	0.37	296.52
TEMORA SPP	21.5	7	0.33	259.45
PARACALANUS PARVUS AM	21.5	7	0.33	259.45
PSEUDOCALANUS SP AM	23.5	4	0.19	148.26
PENILIA	23.5	4	0.19	148.26
ANTHOZOA LARVAE	25.0	3	0.14	111.19
DECAPOD LARVAE	26.5	2	0.09	74.13
TORTANUS DISCAUDATUS	26.5	2	0.09	74.13
ECTOPROCT LARVAE	28.5	1	0.05	37.06
POLYCHAETE LARVAE	28.5	1	0.05	37.06
TOTALS	29	2139	100	79280.96
- DATA NOT TAKEN				

STATION 66	SERIES 4	CAST 33	DATE 19 AUG 77	LATITUDE 40 29.3 N	LONGITUDE 73 47.3 W
	START TIME 0420	FINISH TIME 0454	SONIC DEPTH 23	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 0434	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0071	VOLUME COUNT 0.0270	SAMPLE NUMBER 196

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPOD NAUPLII	1.0	520	32.70	19273.54
OITHONA SIMILIS	2.0	405	25.47	15011.12
PSEUDOCALANUS SP AF	3.0	152	9.56	5633.80
PSEUDOCALANUS SP C	4.0	98	6.16	3632.32
PSEUDODIAPTOMUS CORONATUS	5.0	66	4.15	2446.26
CENTROPAGES TYPICUS C	6.0	62	3.90	2298.00
ACARTIA TONSA	7.0	54	3.40	2001.48
TEMORA LONGICORNIS AM	8.0	32	2.01	1186.06
COPEPOIDS UNID	9.0	31	1.95	1149.00
MICROSETELLA NORVEGICA	10.0	30	1.89	1111.93
PARACALANUS PARVUS AF	11.0	25	1.57	926.61
ACARTIA SPP C	12.0	15	0.94	555.97
CENTROPAGES TYPICUS AF	13.0	14	0.88	518.90
CENTROPAGES TYPICUS AM	14.0	11	0.69	407.71
TEMORA LONGICORNIS AF	15.0	10	0.63	370.64
PARACALANUS CRASSIROSTRIS AF	16.5	8	0.50	296.52
PTEROPODS	16.5	8	0.50	296.52
TEMORA LONGICORNIS C	18.5	7	0.44	259.45
TEMORA SPP	18.5	7	0.44	259.45
PARACALANUS CRASSIROSTRIS AM	20.5	6	0.38	222.39
PSEUDOCALANUS SP AM	20.5	6	0.38	222.39
PARACALANUS CRASSIROSTRIS C	22.0	5	0.31	185.32
TORTANUS DISCAUDATUS	24.0	4	0.25	148.26
PENILIA	24.0	4	0.25	148.26
DECAPOD LARVAE	24.0	4	0.25	148.26
CENTROPAGES HAMATUS	26.0	2	0.13	74.13
ECTOPROCT LARVAE	28.5	1	0.06	37.06
CALANUS SPP C	28.5	1	0.06	37.06
PARACALANUS PARVUS C	28.5	1	0.06	37.06
PARACALANUS PARVUS AM	28.5	1	0.06	37.06
TOTALS	30	1590	100	58932.56

- DATA NOT TAKEN

STATION 66	SERIES 4	CAST 33	DATE 19 AUG 77	LATITUDE 40 29.3 N	LONGITUDE 73 47.3 W
	START TIME 0420	FINISH TIME 0454	SONIC DEPTH 23	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 0441	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0071	VOLUME COUNT 0.0270	SAMPLE NUMBER 197

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	480	29.65	17790.96
COPEPOD NAUPLII	2.0	340	21.00	12601.93
PSEUDOCALANUS SP C	3.0	275	16.99	10192.73
PSEUDOCALANUS SP AF	4.0	170	10.50	6300.96
MICROSETELLA NORVEGICA	5.0	150	9.26	5559.67
PSEUDODIAPTOMUS CORONATUS	6.0	33	2.04	1223.13
TEMORA LONGICORNIS AM	7.0	30	1.85	1111.93
ACARTIA TONSA	8.0	29	1.79	1074.87
CENTROPAGES TYPICUS C	9.0	15	0.93	555.97
PSEUDOCALANUS SP AM	10.0	14	0.86	518.90
PTEROPODS	11.0	12	0.74	444.77
CENTROPAGES TYPICUS AM	12.5	10	0.62	370.64
TEMORA LONGICORNIS AF	12.5	10	0.62	370.64
COPEPODIDS UNID	14.0	8	0.49	296.52
CENTROPAGES TYPICUS AF	15.5	7	0.43	259.45
CHAETOGNATHS	15.5	7	0.43	259.45
BIVALVE LARVAE	17.5	4	0.25	148.26
POLYCHAETE LAR EAR	17.5	4	0.25	148.26
ACARTIA SPP C	20.0	3	0.19	111.19
POLYCHAETE LARVAE	20.0	3	0.19	111.19
PARACALANUS PARVUS AF	20.0	3	0.19	111.19
DECAPOD LARVAE	23.0	2	0.12	74.13
TORTANUS DISCAUDATUS	23.0	2	0.12	74.13
PARACALANUS CRASSIROSTRIS AM	23.0	2	0.12	74.13
TEMORA LONGICORNIS C	27.5	1	0.06	37.06
CALANUS SPP C	27.5	1	0.06	37.06
ECTOPROCT LARVAE	27.5	1	0.06	37.06
ONCAEA SPP	27.5	1	0.06	37.06
CENTROPAGES HAMATUS	27.5	1	0.06	37.06
PARACALANUS CRASSIROSTRIS AF	27.5	1	0.06	37.06
TOTALS	30	1619	100	60007.43

- DATA NOT TAKEN

STATION 66	SERIES 4	CAST 33	DATE 19 AUG 77	LATITUDE 40 29.3 N	LONGITUDE 73 47.3 W
	START TIME 0420	FINISH TIME 0454	SONIC DEPTH 23	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 0449	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0167	VOLUME COUNT 0.0635	SAMPLE NUMBER 198

S P E C I E S	RANK COUNTS %			NO./M3
COPEPOD NAUPLII	1.0	330	27.85	5200.13
OITHONA SIMILIS	2.0	260	21.94	4097.07
PSEUDOCALANUS SP C	3.0	255	21.52	4018.28
PSEUDOCALANUS SP AF	4.0	115	9.70	1812.17
MICROSETELLA NORVEGICA	5.0	75	6.33	1181.85
ACARTIA TONSA	6.0	24	2.03	378.19
PSEUDODIAPTOMUS CORONATUS	7.0	20	1.69	315.16
PSEUDOCALANUS SP AM	8.0	19	1.60	299.40
COPEPODIDS UNID	9.5	12	1.01	189.10
CENTROPAGES TYPICUS AF	9.5	12	1.01	189.10
CENTROPAGES TYPICUS C	11.0	10	0.84	157.58
PTEROPODS	12.0	9	0.76	141.82
POLYCHAETE LARVAE	13.0	7	0.59	110.31
CHAETOGNATHS	14.0	6	0.51	94.55
CENTROPAGES TYPICUS AM	15.0	5	0.42	78.79
BIVALVE LARVAE	17.0	4	0.34	63.03
TORTANUS DISCAUDATUS	17.0	4	0.34	63.03
ACARTIA SPP C	17.0	4	0.34	63.03
ANTHOZOA LARVAE	19.0	3	0.25	47.27
DECAPOD LARVAE	21.0	2	0.17	31.52
TEMORA LONGICORNIS AM	21.0	2	0.17	31.52
PARACALANUS PARVUS AF	21.0	2	0.17	31.52
TEMORA LONGICORNIS AF	25.0	1	0.08	15.76
PARACALANUS CRASSIROSTRIS C	25.0	1	0.08	15.76
HARPACTICOIDA UNID	25.0	1	0.08	15.76
CALANUS SPP C	25.0	1	0.08	15.76
PARACALANUS CRASSIROSTRIS AF	25.0	1	0.08	15.76
TOTALS	27	1185	100	18673.18

- DATA NOT TAKEN

STATION 67	SERIES 4	CAST 34	DATE 19 AUG 77	LATITUDE 40 29.4 N	LONGITUDE 73 47.6 W
	START TIME 0830	FINISH TIME 0915	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 1.0	SAMPLE TIME 0830	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0105	VOLUME COUNT 0.0399	SAMPLE NUMBER 199

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS - - - - -	1.0	2640	78.64	66165.41
ACARTIA TONSA - - - - -	2.0	355	10.57	8897.24
COPEPOD NAUPLII - - - - -	3.0	180	5.36	4511.28
CENTROPAGES TYPICUS C - - - - -	4.0	27	0.80	676.69
PARACALANUS CRASSIROSTRIS AF - -	5.5	26	0.77	651.63
PARACALANUS PARVUS AF - - - - -	5.5	26	0.77	651.63
PSEUDODIAPTOMUS CORONATUS - - -	7.0	23	0.69	576.44
ACARTIA SPP C - - - - -	8.0	19	0.57	476.19
PTEROPODS - - - - -	9.0	15	0.45	375.94
COPEPODIDS UNID - - - - -	10.0	9	0.27	225.56
PARACALANUS CRASSIROSTRIS AM - -	11.0	7	0.21	175.44
PARACALANUS CRASSIROSTRIS C - - -	12.0	6	0.18	150.38
MICROSETELLA NORVEGICA - - - - -	13.5	5	0.15	125.31
POLYCHAETE LARVAE - - - - -	13.5	5	0.15	125.31
PSEUDOCALANUS SP C - - - - -	15.5	3	0.09	75.19
ANTHOZOA LARVAE - - - - -	15.5	3	0.09	75.19
ONCAEA SPP - - - - -	17.0	2	0.06	50.13
PARACALANUS PARVUS C - - - - -	20.5	1	0.03	25.06
PARACALANUS PARVUS AM - - - - -	20.5	1	0.03	25.06
BIVALVE LARVAE - - - - -	20.5	1	0.03	25.06
DECAPOD LARVAE - - - - -	20.5	1	0.03	25.06
CENTROPAGES TYPICUS AF - - - - -	20.5	1	0.03	25.06
TEMORA LONGICORNIS C - - - - -	20.5	1	0.03	25.06
TOTALS	23	3357	100	84135.34

- DATA NOT TAKEN

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STATION 67	SERIES 4	CAST 34	DATE 19 AUG 77	LATITUDE 40 29.4 N	LONGITUDE 73 47.6 W
	START TIME 0830	FINISH TIME 0915	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 5.0	SAMPLE TIME 0840	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0143	VOLUME COUNT 0.0543	SAMPLE NUMBER 200

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	3600	78.60	66249.54
ACARTIA TONSA	2.0	355	7.75	6532.94
COPEPOD NAUPLII	3.0	255	5.57	4692.68
PSEUDODIAPTOMUS CORONATUS	4.5	85	1.86	1564.23
PARACALANUS CRASSIROSTRIS AF	4.5	85	1.86	1564.23
PTEROPODS	6.0	55	1.20	1012.15
PARACALANUS PARVUS AF	7.0	34	0.74	625.69
CENTROPAGES TYPICUS C	8.0	21	0.46	386.46
PARACALANUS CRASSIROSTRIS C	9.0	17	0.37	312.85
ACARTIA SPP C	10.0	14	0.31	257.64
PARACALANUS CRASSIROSTRIS AM	11.0	9	0.20	165.62
PSEUDOCALANUS SP AF	12.0	7	0.15	128.82
COPEPODIDS UNID	14.0	6	0.13	110.42
MICROSETELLA NORVEGICA	14.0	6	0.13	110.42
TEMORA LONGICORNIS C	14.0	6	0.13	110.42
POLYCHAETE LARVAE	16.0	4	0.09	73.61
BIVALVE LARVAE	19.0	3	0.07	55.21
DECAPOD LARVAE	19.0	3	0.07	55.21
EVADNE SPP	19.0	3	0.07	55.21
PARACALANUS PARVUS AM	19.0	3	0.07	55.21
PARACALANUS PARVUS C	19.0	3	0.07	55.21
PSEUDOCALANUS SP C	22.0	2	0.04	36.81
FISH EGGS	24.5	1	0.02	18.40
PENILIA	24.5	1	0.02	18.40
TEMORA LONGICORNIS AM	24.5	1	0.02	18.40
CENTROPAGES TYPICUS AF	24.5	1	0.02	18.40
TOTALS	26	4580	100	84284.16
- DATA NOT TAKEN				

STATION 67	SERIES 4	CAST 34	DATE 19 AUG 77	LATITUDE 40 29.4 N	LONGITUDE 73 47.6 W
	START TIME 0830	FINISH TIME 0915	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 10.0	SAMPLE TIME 0850	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0111	VOLUME COUNT 0.0422	SAMPLE NUMBER 201

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	775	46.46	18373.64
COPEPOD NAUPLII	2.0	255	15.29	6045.52
CENTROPAGES TYPICUS C	3.0	180	10.79	4267.43
PSEUDOCALANUS SP AF	4.0	142	8.51	3366.52
PSEUDOCALANUS SP C	5.0	92	5.52	2181.13
ACARTIA TONSA	6.0	85	5.10	2015.17
COPEPODIDS UNID	7.0	27	1.62	640.11
PSEUDODIAPTOMUS CORONATUS	8.0	20	1.20	474.16
MICROSETELLA NORVEGICA	9.0	16	0.96	379.33
PARACALANUS PARVUS AF	10.5	10	0.60	237.08
TEMORA LONGICORNIS C	10.5	10	0.60	237.08
CENTROPAGES TYPICUS AM	12.0	8	0.48	189.66
TEMORA LONGICORNIS AM	13.0	7	0.42	165.96
PARACALANUS CRASSIROSTRIS AM	14.0	6	0.36	142.25
PARACALANUS CRASSIROSTRIS C	15.0	5	0.30	118.54
DECAPOD LARVAE	17.5	4	0.24	94.83
TEMORA LONGICORNIS AF	17.5	4	0.24	94.83
PARACALANUS CRASSIROSTRIS AF	17.5	4	0.24	94.83
PARACALANUS PARVUS AM	17.5	4	0.24	94.83
CENTROPAGES TYPICUS AF	20.5	3	0.18	71.12
PTEROPODS	20.5	3	0.18	71.12
CALANUS SPP C	23.0	2	0.12	47.42
PSEUDOCALANUS SP AM	23.0	2	0.12	47.42
POLYCHAETE LARVAE	23.0	2	0.12	47.42
TORTANUS DISCAUDATUS	25.5	1	0.06	23.71
ECTOPROCT LARVAE	25.5	1	0.06	23.71
TOTALS	26	1668	100	39544.80

- DATA NOT TAKEN

STATION 67	SERIES 4	CAST 34	DATE 19 AUG 77	LATITUDE 40 29.4 N	LONGITUDE 73 47.6 W
	START TIME 0830	FINISH TIME 0915	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 15.0	SAMPLE TIME 0900	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0308	VOLUME COUNT 0.1170	SAMPLE NUMBER 202

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	380	18.81	3246.75
COPEPOD NAUPLII	2.0	360	17.82	3075.87
PSEUDOCALANUS SP C	3.0	325	16.09	2776.83
ACARTIA TONSA	4.0	245	12.13	2093.30
CENTROPAGES TYPICUS C	5.0	225	11.14	1922.42
MICROSETELLA NORVEGICA	6.0	208	10.30	1777.17
PSEUDOCALANUS SP AF	7.0	155	7.67	1324.33
PSEUDODIAPTOMUS CORONATUS	8.5	17	0.84	145.25
PSEUDOCALANUS SP AM	8.5	17	0.84	145.25
CENTROPAGES TYPICUS AF	10.0	13	0.64	111.07
CENTROPAGES TYPICUS AM	11.0	12	0.59	102.53
PTEROPODS	12.0	11	0.54	93.98
CHAETOGNATHS	13.0	9	0.45	76.90
TEMORA LONGICORNIS AM	14.0	8	0.40	68.35
TORTANUS DISCAUDATUS	15.5	6	0.30	51.26
BIVALVE LARVAE	15.5	6	0.30	51.26
TEMORA LONGICORNIS AF	17.5	5	0.25	42.72
PARACALANUS PARVUS AF	17.5	5	0.25	42.72
COPEPODIDS UNID	19.0	4	0.20	34.18
CALANUS SPP C	20.0	3	0.15	25.63
TEMORA LONGICORNIS C	21.0	2	0.10	17.09
POLYCHAETE LAR EAR	23.5	1	0.05	8.54
PARACALANUS CRASSIROSTRIS AM	23.5	1	0.05	8.54
PARACALANUS CRASSIROSTRIS AF	23.5	1	0.05	8.54
ECTOPROCT LARVAE	23.5	1	0.05	8.54
TOTALS	25	2020	100	17259.06
- DATA NOT TAKEN				

STATION 67	SERIES 4	CAST 34	DATE 19 AUG 77	LATITUDE 40 29.4 N	LONGITUDE 73 47.6 W
	START TIME 0830	FINISH TIME 0915	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 20.0	SAMPLE TIME 0910	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0286	VOLUME COUNT 0.1087	SAMPLE NUMBER 203

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPOD NAUPLII	1.0	470	25.23	4324.62
OITHONA SIMILIS	2.0	315	16.91	2898.42
PSEUDOCALANUS SP C	3.0	310	16.64	2852.41
MICROSETELLA NORVEGICA	4.5	165	8.86	1518.22
PSEUDOCALANUS SP AF	4.5	165	8.86	1518.22
CENTROPAGES TYPICUS C	6.0	134	7.19	1232.98
TEMORA LONGICORNIS AM	7.0	56	3.01	515.27
CENTROPAGES TYPICUS AM	8.5	48	2.58	441.66
CENTROPAGES TYPICUS AF	8.5	48	2.58	441.66
TEMORA LONGICORNIS AF	10.0	30	1.61	276.04
PSEUDOCALANUS SP AM	11.5	22	1.18	202.43
PTEROPODS	11.5	22	1.18	202.43
PSEUDODIAPTOMUS CORONATUS	13.0	13	0.70	119.62
CHAETOGNATHS	14.0	10	0.54	92.01
ACARTIA TONSA	15.0	8	0.43	73.61
BIVALVE LARVAE	16.5	7	0.38	64.41
POLYCHAETE LAR EAR	16.5	7	0.38	64.41
PARACALANUS PARVUS AF	18.0	6	0.32	55.21
POLYCHAETE LARVAE	20.0	4	0.21	36.81
CALANUS SPP C	20.0	4	0.21	36.81
ANTHOZOA LARVAE	20.0	4	0.21	36.81
COPEPODIDS UNID	22.0	3	0.16	27.60
DECAPOD LARVAE	24.5	2	0.11	18.40
PARACALANUS CRASSIROSTRIS AM	24.5	2	0.11	18.40
TORTANUS DISCAUDATUS	24.5	2	0.11	18.40
ONCAEA SPP	24.5	2	0.11	18.40
PARACALANUS PARVUS C	28.5	1	0.05	9.20
PARACALANUS CRASSIROSTRIS C	28.5	1	0.05	9.20
CENTROPAGES HAMATUS	28.5	1	0.05	9.20
PARACALANUS CRASSIROSTRIS AF	28.5	1	0.05	9.20
TOTALS	30	1863	100	17142.07
- DATA NOT TAKEN				

STATION 68	SERIES 4	CAST 35	DATE 19 AUG 77	LATITUDE 40 29.3 N	LONGITUDE 73 47.5 W
	START TIME 1209	FINISH TIME 1248	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 1.0	SAMPLE TIME 1209	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0172	VOLUME COUNT 0.0654	SAMPLE NUMBER 204

S P E C I E S	RANK	COUNTS	%	NO./M3
GITHONA SIMILIS - - - - -	1.0	2070	52.00	31670.75
PSEUDODIAPTOMUS CORONATUS - - - - -	2.0	915	22.98	13999.39
COPEPOD NAUPLII - - - - -	3.0	395	9.92	6043.45
ACARTIA TONSA - - - - -	4.0	315	7.91	4819.46
PTEROPODS - - - - -	5.0	55	1.38	84.49
PARACALANUS CRASSIROSTRIS AF - - - - -	6.0	54	1.36	826.19
PARACALANUS CRASSIROSTRIS AM - - - - -	7.0	41	1.03	627.29
PARACALANUS PARVUS AF - - - - -	9.0	25	0.63	382.50
COPEPODIDS UNID - - - - -	9.0	25	0.63	382.50
PARACALANUS CRASSIROSTRIS C - - - - -	9.0	25	0.63	382.50
PSEUDOCALANUS SP AF - - - - -	11.5	11	0.28	168.30
CENTROPAGES TYPICUS C - - - - -	11.5	11	0.28	168.30
ACARTIA SPP C - - - - -	13.0	10	0.25	153.00
PSEUDOCALANUS SP C - - - - -	14.5	6	0.15	91.80
TEMORA LONGICORNIS C - - - - -	14.5	6	0.15	91.80
POLYCHAETE LARVAE - - - - -	16.5	3	0.08	45.90
PARACALANUS PARVUS C - - - - -	16.5	3	0.08	45.90
PENILIA - - - - -	19.5	2	0.05	30.60
PARACALANUS PARVUS AM - - - - -	19.5	2	0.05	30.60
TEMORA LONGICORNIS AM - - - - -	19.5	2	0.05	30.60
DECAPOD LARVAE - - - - -	19.5	2	0.05	30.60
CYCLOPOIDA - - - - -	23.0	1	0.03	15.30
BIVALVE LARVAE - - - - -	23.0	1	0.03	15.30
EVADNE SPP - - - - -	23.0	1	0.03	15.30
TOTALS	24	3981	100	60908.82

- DATA NOT TAKEN

STATION 68	SERIES 4	CAST 35	DATE 19 AUG 77	LATITUDE 40 29.3 N	LONGITUDE 73 47.5 W
	START TIME 1209	FINISH TIME 1248	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 5.0	SAMPLE TIME 1218	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0172	VOLUME COUNT 0.0654	SAMPLE NUMBER 205

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1810	55.88	27692.78
COPEPOD NAUPLII	2.0	705	21.77	10786.41
ACARTIA TONSA	3.0	195	6.02	2983.48
PARACALANUS CRASSIROSTRIS AM	4.0	98	3.03	1499.39
PARACALANUS CRASSIROSTRIS AF	5.0	95	2.93	1453.49
PSEUDODIAPTOMUS CORONATUS	6.0	66	2.04	1009.79
PARACALANUS CRASSIROSTRIS C	7.0	60	1.85	917.99
PTEROPODS	8.0	47	1.45	719.09
CENTROPAGES TYPICUS C	9.0	30	0.93	459.00
PSEUDOCALANUS SP AF	10.0	28	0.86	428.40
PARACALANUS PARVUS AF	11.0	26	0.80	397.80
COPEPODIDS UNID	12.0	18	0.56	275.40
PENILIA	13.0	13	0.40	198.90
PSEUDOCALANUS SP C	14.0	10	0.31	153.00
ACARTIA SPP C	15.0	8	0.25	122.40
TEMORA LONGICORNIS C	16.0	6	0.19	91.80
PARACALANUS PARVUS C	17.5	5	0.15	76.50
BIVALVE LARVAE	17.5	5	0.15	76.50
POLYCHAETE LARVAE	19.0	3	0.09	45.90
PARACALANUS PARVUS AM	21.0	2	0.06	30.60
TEMORA LONGICORNIS AM	21.0	2	0.06	30.60
MICROSETELLA NORVEGICA	21.0	2	0.06	30.60
ECTOPROCT LARVAE	25.0	1	0.03	15.30
DECAPOD LARVAE	25.0	1	0.03	15.30
TEMORA LONGICORNIS AF	25.0	1	0.03	15.30
PSEUDOCALANUS SP AM	25.0	1	0.03	15.30
EVAONE SPP	25.0	1	0.03	15.30
TOTALS	27	3239	100	49556.32

- DATA NOT TAKEN

STATION 68	SERIES 4	CAST 35	DATE 19 AUG 77	LATITUDE 40 29.3 N	LONGITUDE 73 47.5 W
	START TIME 1209	FINISH TIME 1248	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 10.0	SAMPLE TIME 1226	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0125	VOLUME COUNT 0.0475	SAMPLE NUMBER 206

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	460	29.93	9684.21
COPEPOD NAUPLII	2.0	340	22.12	7157.89
ACARTIA TONSA	3.0	240	15.61	5052.63
CENTROPAGES TYPICUS C	4.0	155	10.08	3263.16
PSEUDOCALANUS SP AF	5.0	118	7.68	2484.21
PSEUDOCALANUS SP C	6.0	84	5.47	1768.42
PSEUDODIAPTOMUS CORONATUS	7.0	37	2.41	778.95
COPEPODIDS UNID	8.0	20	1.30	421.05
MICROSETELLA NORVEGICA	9.5	16	1.04	336.84
TEMORA LONGICORNIS AM	9.5	16	1.04	336.84
PTEROPODS	12.5	5	0.33	105.26
DECAPOD LARVAE	12.5	5	0.33	105.26
PSEUDOCALANUS SP AM	12.5	5	0.33	105.26
TEMORA LONGICORNIS C	12.5	5	0.33	105.26
PARACALANUS CRASSIROSTRIS C	15.5	4	0.26	84.21
PARACALANUS PARVUS AF	15.5	4	0.26	84.21
TEMORA LONGICORNIS AF	18.0	3	0.20	63.16
ACARTIA SPP C	18.0	3	0.20	63.16
PARACALANUS PARVUS AM	18.0	3	0.20	63.16
POLYCHAETE LARVAE	21.5	2	0.13	42.11
CHAETOGNATHS	21.5	2	0.13	42.11
PARACALANUS CRASSIROSTRIS AF	21.5	2	0.13	42.11
PENILIA	21.5	2	0.13	42.11
ECTOPROCT LARVAE	26.5	1	0.07	21.05
PARACALANUS CRASSIROSTRIS AM	26.5	1	0.07	21.05
CALANUS SPP C	26.5	1	0.07	21.05
BIVALVE LARVAE	26.5	1	0.07	21.05
CENTROPAGES TYPICUS AM	26.5	1	0.07	21.05
OITHONA ATLANTICA	26.5	1	0.07	21.05
TOTALS	29	1537	100	32357.90

- DATA NOT TAKEN

STATION 68	SERIES 4	CAST 35	DATE 19 AUG 77	LATITUDE 40 29.3 N	LONGITUDE 73 47.5 W
	START TIME 1209	FINISH TIME 1248	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 15.0	SAMPLE TIME 1235	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0167	VOLUME COUNT 0.0635	SAMPLE NUMBER 207

S P E C I E S	RANK COUNTS %			NO./M3
PSEUDOCALANUS SP C	1.0	500	29.55	7878.98
OITHONA SIMILIS	2.0	405	23.94	6381.97
COPEPOD NAUPLII	3.0	265	15.66	4175.86
PSEUDOCALANUS SP AF	4.0	245	14.48	3860.70
MICROSETELLA NORVEGICA	5.0	86	5.08	1355.18
CENTROPAGES TYPICUS C	6.0	80	4.73	1260.64
PSEUDOCALANUS SP AM	7.0	21	1.24	330.92
PSEUDODIAPTOMUS CORONATUS	8.0	13	0.77	204.85
CENTROPAGES TYPICUS AM	9.0	11	0.65	173.34
CENTROPAGES TYPICUS AF	10.5	10	0.59	157.58
CHAETOGNATHS	10.5	10	0.59	157.58
PTEROPODS	12.5	9	0.53	141.82
TEMORA LONGICORNIS AM	12.5	9	0.53	141.82
ACARTIA TONSA	14.0	7	0.41	110.31
POLYCHAETE LARVAE	15.0	4	0.24	63.03
ANTHOZOA LARVAE	16.5	3	0.18	47.27
CALANUS SPP C	16.5	3	0.18	47.27
COPEPODIDS UNID	19.5	2	0.12	31.52
PARACALANUS CRASSIROSTRIS AF	19.5	2	0.12	31.52
CENTROPAGES HAMATUS	19.5	2	0.12	31.52
BIVALVE LARVAE	19.5	2	0.12	31.52
PARACALANUS PARVUS AF	23.0	1	0.06	15.76
TEMORA LONGICORNIS AF	23.0	1	0.06	15.76
CYCLOPOIDA	23.0	1	0.06	15.76
TOTALS	24	1692	100	26662.46

- DATA NOT TAKEN

STATION 68	SERIES 4	CAST 35	DATE 19 AUG 77	LATITUDE 40 29.3 N	LONGITUDE 73 47.5 W
	START TIME 1209	FINISH TIME 1248	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 20.0	SAMPLE TIME 1243	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0182	VOLUME COUNT 0.0692	SAMPLE NUMBER 208

S P E C I E S	RANK	COUNTS	%	NO./M3
PSEUDOCALANUS SP C	1.0	865	34.37	12507.23
OITHONA SIMILIS	2.0	385	15.30	5566.80
PSEUDOCALANUS SP AF	3.0	375	14.90	5422.21
CENTROPAGES TYPICUS C	4.0	185	7.35	2674.96
COPEPOD NAUPLII	5.0	172	6.83	2486.99
MICROSETELLA NORVEGICA	6.0	140	5.56	2024.29
TEMORA LONGICORNIS AM	7.0	96	3.81	1388.09
CENTROPAGES TYPICUS AM	8.0	81	3.22	1171.20
CENTROPAGES TYPICUS AF	9.0	62	2.46	896.47
TEMORA LONGICORNIS AF	10.0	28	1.11	404.86
PSEUDOCALANUS SP AM	11.5	23	0.91	332.56
PTEROPODS	11.5	23	0.91	332.56
CHAETOGNATHS	13.0	17	0.68	245.81
ANTHOZOA LARVAE	14.0	15	0.60	216.89
PSEUDODIAPTOMUS CORONATUS	15.0	11	0.44	159.05
CALANUS SPP C	16.0	10	0.40	144.59
TORTANUS DISCAUDATUS	17.0	7	0.28	101.21
BIVALVE LARVAE	18.0	6	0.24	86.76
COPEPODIDS UNID	20.0	4	0.16	57.84
ONCAEA SPP	20.0	4	0.16	57.84
ACARTIA TONSA	20.0	4	0.16	57.84
DECAPOD LARVAE	23.5	1	0.04	14.46
POLYCHAETE LARVAE	23.5	1	0.04	14.46
HARPACTICOIDA UNID	23.5	1	0.04	14.46
PARACALANUS CRASSIROSTRIS C	23.5	1	0.04	14.46
TOTALS	25	2517	100	36393.87

- DATA NOT TAKEN

STATION 69	SERIES 4	CAST 36	DATE 19 AUG 77	LATITUDE 40 30.1 N	LONGITUDE 73 46.3 W
	START TIME 1600	FINISH TIME 1634	SONIC DEPTH 23	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 1600	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 209

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1985	80.56	62935.95
COPEPOD NAUPLII	2.0	310	12.58	9828.79
ACARTIA TONSA	3.0	43	1.75	1363.35
CENTROPAGES TYPICUS C	4.0	35	1.42	1109.70
PSEUDODIAPTOMUS CORONATUS	5.0	25	1.01	792.64
PARACALANUS PARVUS AF	6.0	15	0.61	475.59
COPEPODIDS UNID	7.0	13	0.53	412.17
PARACALANUS CRASSIROSTRIS AF	8.0	11	0.45	348.76
PTEROPODS	9.0	9	0.37	285.35
ACARTIA SPP C	10.0	4	0.16	126.82
MICROSETELLA NORVEGICA	11.0	3	0.12	95.12
PARACALANUS CRASSIROSTRIS AM	13.0	2	0.08	63.41
EVADNE SPP	13.0	2	0.08	63.41
POLYCHAETE LARVAE	13.0	2	0.08	63.41
PSEUDOCALANUS SP C	17.0	1	0.04	31.71
PARACALANUS PARVUS AM	17.0	1	0.04	31.71
PARACALANUS PARVUS C	17.0	1	0.04	31.71
DECAPOD LARVAE	17.0	1	0.04	31.71
PSEUDOCALANUS SP AM	17.0	1	0.04	31.71
TOTALS	19	2464	100	78123.00

- DATA NOT TAKEN

STATION 69	SERIES 4	CAST 36	DATE 19 AUG 77	LATITUDE 40 30.1 N	LONGITUDE 73 46.3 W
	START TIME 1600	FINISH TIME 1634	SONIC DEPTH 23	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 1607	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 210

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	900	42.82	28535.19
COPEPOD NAUPLII	2.0	540	25.69	17121.12
ACARTIA TONSA	3.0	230	10.94	7292.33
PSEUDODIAPTOMUS CORONATUS	4.0	92	4.38	2916.93
PARACALANUS CRASSIROSTRIS AF	5.0	68	3.24	2155.99
COPEPODIDS UNID	6.0	66	3.14	2092.58
PARACALANUS PARVUS AF	7.0	37	1.76	1173.11
PARACALANUS CRASSIROSTRIS AM	8.0	32	1.52	1014.58
PTEROPODS	9.5	31	1.47	982.88
ACARTIA SPP C	9.5	31	1.47	982.88
CENTROPAGES TYPICUS C	11.0	24	1.14	760.94
BIVALVE LARVAE	12.0	10	0.48	317.06
PARACALANUS CRASSIROSTRIS C	13.0	9	0.43	285.35
PSEUDOCALANUS SP C	15.0	5	0.24	158.53
EVADNE SPP	15.0	5	0.24	158.53
PARACALANUS PARVUS AM	15.0	5	0.24	158.53
PARACALANUS PARVUS C	17.0	4	0.19	126.82
PSEUDOCALANUS SP AF	19.5	2	0.10	63.41
DECAPOD LARVAE	19.5	2	0.10	63.41
ANTHOZOA LARVAE	19.5	2	0.10	63.41
TEMORA LONGICORNIS C	19.5	2	0.10	63.41
TEMORA SPP	24.0	1	0.05	31.71
TEMORA LONGICORNIS AM	24.0	1	0.05	31.71
POLYCHAETE LARVAE	24.0	1	0.05	31.71
MICROSETELLA NORVEGICA	24.0	1	0.05	31.71
PENILIA	24.0	1	0.05	31.71
TOTALS	26	2102	100	66645.53

- DATA NOT TAKEN

STATION 69	SERIES 4	CAST 36	DATE 19 AUG 77	LATITUDE 40 30.1 N	LONGITUDE 73 46.3 W
	START TIME 1600	FINISH TIME 1634	SONIC DEPTH 23	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 1615	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 211

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	370	30.40	11731.13
COPEPOD NAUPLII	2.0	225	18.49	7133.80
ACARTIA TONSA	3.0	205	16.84	6499.68
PSEUDOCALANUS SP C	4.0	112	9.20	3551.05
PSEUDOCALANUS SP AF	5.0	100	8.22	3170.58
COPEPODIDS UNID	6.0	57	4.68	1807.23
MICROSETELLA NORVEGICA	7.0	43	3.53	1363.35
CENTROPAGES TYPICUS C	8.0	28	2.30	887.76
PTEROPODS	9.0	16	1.31	507.29
PSEUDODIAPTOMUS CORONATUS	10.0	10	0.82	317.06
ACARTIA SPP C	11.0	8	0.66	253.65
PARACALANUS PARVUS AF	13.0	7	0.58	221.94
PSEUDOCALANUS SP AM	13.0	7	0.58	221.94
PENILIA	13.0	7	0.58	221.94
PARACALANUS CRASSIROSTRIS AM	15.0	4	0.33	126.82
DECAPOD LARVAE	16.0	3	0.25	95.12
TEMORA SPP	18.5	2	0.16	63.41
PARACALANUS CRASSIROSTRIS AF	18.5	2	0.16	63.41
PARACALANUS CRASSIROSTRIS C	18.5	2	0.16	63.41
FISH EGGS	18.5	2	0.16	63.41
TEMORA LONGICORNIS AF	24.0	1	0.08	31.71
TEMORA LONGICORNIS C	24.0	1	0.08	31.71
CHAETOGNATHS	24.0	1	0.08	31.71
PARACALANUS PARVUS AM	24.0	1	0.08	31.71
CENTROPAGES TYPICUS AF	24.0	1	0.08	31.71
POLYCHAETE LARVAE	24.0	1	0.08	31.71
TEMORA LONGICORNIS AM	24.0	1	0.08	31.71
TOTALS	27	1217	100	38585.93

- DATA NOT TAKEN

STATION 69	SERIES 4	CAST 36	DATE 19 AUG 77	LATITUDE 40 30.1 N	LONGITUDE 73 46.3 W
	START TIME 1600	FINISH TIME 1634	SONIC DEPTH 23	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 1622	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 212

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	385	24.81	10131.58
PSEUDOCALANUS SP C	2.0	370	23.84	9736.84
PSEUDOCALANUS SP AF	3.0	265	17.07	6973.68
COPEPOD NAUPLII	4.0	165	10.63	4342.10
CENTROPAGES TYPICUS C	5.0	100	6.44	2631.58
MICROSETELLA NORVEGICA	6.0	90	5.80	2368.42
PTEROPODS	7.0	29	1.87	763.16
COPEPODIDS UNID	8.5	24	1.55	631.58
CHAETOGNATHS	8.5	24	1.55	631.58
PSEUDOCALANUS SP AM	10.0	20	1.29	526.32
POLYCHAETE LARVAE	11.0	14	0.90	368.42
CENTROPAGES TYPICUS AM	12.0	13	0.84	342.11
CENTROPAGES TYPICUS AF	13.5	12	0.77	315.79
BIVALVE LARVAE	13.5	12	0.77	315.79
TEMORA LONGICORNIS AM	15.0	7	0.45	184.21
ACARTIA TONSA	16.0	4	0.26	105.26
TORTANUS DISCAUDATUS	20.5	2	0.13	52.63
PARACALANUS PARVUS AM	20.5	2	0.13	52.63
PSEUDODIAPTOMUS CORONATUS	20.5	2	0.13	52.63
CALANUS SPP C	20.5	2	0.13	52.63
DECAPOD LARVAE	20.5	2	0.13	52.63
ACARTIA SPP C	20.5	2	0.13	52.63
POLYCHAETE LAR EAR	20.5	2	0.13	52.63
ANTHOZOA LARVAE	20.5	2	0.13	52.63
TEMORA LONGICORNIS AF	25.5	1	0.06	26.32
PARACALANUS CRASSIROSTRIS AM	25.5	1	0.06	26.32
TOTALS	26	1552	100	40842.11

- DATA NOT TAKEN

STATION 69	SERIES 4	CAST 36	DATE 19 AUG 77	LATITUDE 40 30.1 N	LONGITUDE 73 46.3 W
	START TIME 1600	FINISH TIME 1634	SONIC DEPTH 23	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 1629	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0200	VOLUME COUNT 0.0760	SAMPLE NUMBER 213

S P E C I E S	RANK COUNTS %			NO./M3
PSEUDOCALANUS SP C	1.0	315	20.56	4144.74
COPEPOD NAUPLII	2.0	280	18.28	3684.21
PSEUDOCALANUS SP AF	3.0	215	14.03	2828.95
MICROSETELLA NORVEGICA	4.0	130	8.49	1710.53
TEMORA LONGICORNIS AM	5.0	128	8.36	1684.21
OITHONA SIMILIS	6.0	98	6.40	1289.47
CENTROPAGES TYPICUS AM	7.0	83	5.42	1092.11
CENTROPAGES TYPICUS AF	8.0	80	5.22	1052.63
PSEUDOCALANUS SP AM	9.0	42	2.74	552.63
TEMORA LONGICORNIS AF	10.0	22	1.44	289.47
CENTROPAGES TYPICUS C	11.0	19	1.24	250.00
PTEROPODS	12.0	16	1.04	210.53
PSEUDODIAPTOMUS CORONATUS	13.5	15	0.98	197.37
CHAETOGNATHS	13.5	15	0.98	197.37
COPEPODIDS UNID	15.0	13	0.85	171.05
BIVALVE LARVAE	16.0	12	0.78	157.89
ANTHOZOA LARVAE	17.0	11	0.72	144.74
POLYCHAETE LARVAE	18.5	7	0.46	92.11
TORTANUS DISCAUDATUS	18.5	7	0.46	92.11
PENILIA	20.0	5	0.33	65.79
TEMORA LONGICORNIS C	21.5	4	0.26	52.63
CALANUS SPP C	21.5	4	0.26	52.63
EUTERPINA SP	23.5	3	0.20	39.47
DECAPOD LARVAE	23.5	3	0.20	39.47
CENTROPAGES HAMATUS	25.0	2	0.13	26.32
PARACALANUS CRASSIROSTRIS AM	27.0	1	0.07	13.16
PARACALANUS PARVUS AF	27.0	1	0.07	13.16
ACARTIA TONSA	27.0	1	0.07	13.16
TOTALS	28	1532	100	20157.90
- DATA NOT TAKEN				

STATION 70	SERIES 4	CAST 37	DATE 19 AUG 77	LATITUDE 40 30.0 N	LONGITUDE 73 46.1 W
	START TIME 2020	FINISH TIME 2105	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 1.0	SAMPLE TIME 2020	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0095	VOLUME COUNT 0.0361	SAMPLE NUMBER 214

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	2560	62.00	70914.13
ACARTIA TONSA	2.0	560	13.56	15512.46
COPEPOD NAUPLII	3.0	370	8.96	10249.31
CENTROPAGES TYPICUS C	4.0	202	4.89	5595.57
PARACALANUS CRASSIROSTRIS AF	5.0	82	1.99	2271.47
PSEUDODIAPTOMUS CORONATUS	6.0	62	1.50	1717.45
PARACALANUS PARVUS AF	7.0	41	0.99	1135.73
PARACALANUS CRASSIROSTRIS AM	8.0	37	0.90	1024.93
CENTROPAGES TYPICUS AF	9.0	33	0.80	914.13
CENTROPAGES TYPICUS AM	10.0	31	0.75	858.73
PSEUDOCALANUS SP AF	11.5	25	0.61	692.52
COPEPODIDS UNID	11.5	25	0.61	692.52
PTEROPODS	13.0	24	0.58	664.82
PSEUDOCALANUS SP C	14.0	22	0.53	609.42
PARACALANUS CRASSIROSTRIS C	15.0	19	0.46	526.32
TEMORA LONGICORNIS AM	16.0	14	0.34	387.81
PARACALANUS PARVUS AM	17.5	4	0.10	110.80
PARACALANUS PARVUS C	17.5	4	0.10	110.80
BIVALVE LARVAE	20.0	3	0.07	83.10
PENILIA	20.0	3	0.07	83.10
MICROSETELLA NORVEGICA	20.0	3	0.07	83.10
ECTOPROCT LARVAE	24.0	1	0.02	27.70
PSEUDOCALANUS SP AM	24.0	1	0.02	27.70
POLYCHAETE LARVAE	24.0	1	0.02	27.70
TEMORA LONGICORNIS AF	24.0	1	0.02	27.70
DECAPOD LARVAE	24.0	1	0.02	27.70
TOTALS	26	4129	100	114376.75

- DATA NOT TAKEN

STATION 70	SERIES 4	CAST 37	DATE 19 AUG 77	LATITUDE 40 30.0 N	LONGITUDE 73 46.1 W
	START TIME 2020	FINISH TIME 2105	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 5.0	SAMPLE TIME 2030	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0105	VOLUME COUNT 0.0399	SAMPLE NUMBER 215

SPECIES	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	2050	47.31	51378.45
COPEPOD NAUPLII	2.0	980	22.62	24561.40
ACARTIA TONSA	3.0	555	12.81	13909.77
CENTROPAGES TYPICUS C	4.5	140	3.23	3508.77
PSEUDOCALANUS SP AF	4.5	140	3.23	3508.77
PARACALANUS CRASSIROSTRIS AM	6.0	66	1.52	1654.14
PARACALANUS PARVUS AF	7.0	54	1.25	1353.38
PSEUDODIAPTOMUS CORONATUS	8.0	52	1.20	1303.26
PSEUDOCALANUS SP C	9.0	50	1.15	1253.13
PARACALANUS CRASSIROSTRIS AF	10.0	43	0.99	1077.69
COPEPODIDS UNID	11.5	28	0.65	701.75
TEMORA LONGICORNIS AM	11.5	28	0.65	701.75
MICROSETELLA NORVEGICA	13.0	23	0.53	576.44
PTEROPODS	14.0	20	0.46	501.25
PARACALANUS CRASSIROSTRIS C	15.0	19	0.44	476.19
CENTROPAGES TYPICUS AF	16.0	18	0.42	451.13
PENILIA	17.0	15	0.35	375.94
TEMORA LONGICORNIS C	18.0	11	0.25	275.69
BIVALVE LARVAE	19.0	8	0.18	200.50
CENTROPAGES TYPICUS AM	20.5	6	0.14	150.38
TEMORA LONGICORNIS AF	20.5	6	0.14	150.38
DECAPOD LARVAE	23.0	3	0.07	75.19
CHAETOGNATHS	23.0	3	0.07	75.19
PARACALANUS PARVUS AM	23.0	3	0.07	75.19
TORTANUS DISCAUDATUS	27.0	2	0.05	50.13
CALANUS SPP C	27.0	2	0.05	50.13
PARACALANUS PARVUS C	27.0	2	0.05	50.13
PSEUDOCALANUS SP AM	27.0	2	0.05	50.13
ECTOPROCT LARVAE	27.0	2	0.05	50.13
NANNOCALANUS MINOR	30.5	1	0.02	25.06
POLYCHAETE LARVAE	30.5	1	0.02	25.06
TOTALS	31	4333	100	108596.48

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION 70	SERIES 4	CAST 37	DATE 19 AUG 77	LATITUDE 40 30.0 N	LONGITUDE 73 46.1 W
	START TIME 2020	FINISH TIME 2105	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 10.0	SAMPLE TIME 2040	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0091	VOLUME COUNT 0.0346	SAMPLE NUMBER 216

SPECIES	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	640	29.16	18507.81
ACARTIA TONSA	2.0	490	22.32	14170.04
COPEPOD NAUPLII	3.0	370	16.86	10699.83
PSEUDOCALANUS SP C	4.0	125	5.69	3614.81
PSEUDOCALANUS SP AF	5.0	122	5.56	3528.05
PSEUDODIAPTOMUS CORONATUS	6.0	101	4.60	2920.76
PARACALANUS CRASSIROSTRIS AM	7.0	78	3.55	2255.64
MICROSETELLA NORVEGICA	8.5	42	1.91	1214.57
PARACALANUS CRASSIROSTRIS C	8.5	42	1.91	1214.57
CENTROPAGES TYPICUS C	10.0	38	1.73	1098.90
COPEPODIDS UNID	11.0	30	1.37	867.55
TEMORA LONGICORNIS AM	12.0	25	1.14	722.96
PTEROPODS	13.0	15	0.68	433.78
TEMORA LONGICORNIS C	14.0	14	0.64	404.86
ACARTIA SPP C	15.0	12	0.55	347.02
PENILIA	17.0	8	0.36	231.35
PARACALANUS PARVUS AF	17.0	8	0.36	231.35
PARACALANUS CRASSIROSTRIS AF	17.0	8	0.36	231.35
CENTROPAGES TYPICUS AF	19.0	5	0.23	144.59
TEMORA LONGICORNIS AF	21.0	4	0.18	115.67
BIVALVE LARVAE	21.0	4	0.18	115.67
CENTROPAGES TYPICUS AM	21.0	4	0.18	115.67
PSEUDOCALANUS SP AM	23.0	3	0.14	86.76
PARACALANUS PARVUS AM	24.5	2	0.09	57.84
CALANUS SPP C	24.5	2	0.09	57.84
CHAETOGNATHS	27.0	1	0.05	28.92
PARACALANUS PARVUS C	27.0	1	0.05	28.92
POLYCHAETE LARVAE	27.0	1	0.05	28.92
TOTALS	28	2195	100	63475.98
- DATA NOT TAKEN				

STATION 70	SERIES 4	CAST 37	DATE 19 AUG 77	LATITUDE 40 30.0 N	LONGITUDE 73 46.1 W
	START TIME 2020	FINISH TIME 2105	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 15.0	SAMPLE TIME 2050	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0238	VOLUME COUNT 0.0904	SAMPLE NUMBER 217

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS - - - - -	1.0	435	29.12	4809.82
PSEUDOCALANUS SP C - - - - -	2.0	405	27.11	4478.11
COPEPOD NAUPLII - - - - -	3.0	255	17.07	2819.55
MICROSETELLA NORVEGICA - - - - -	4.0	180	12.05	1990.27
PSEUDOCALANUS SP AF - - - - -	5.0	105	7.03	1160.99
PTEROPODS - - - - -	6.0	23	1.54	254.31
CHAETOGNATHS - - - - -	7.0	20	1.34	221.14
PSEUDOCALANUS SP AM - - - - -	8.0	17	1.14	187.97
CENTROPAGES TYPICUS AF - - - - -	10.0	7	0.47	77.40
POLYCHAETE LARVAE - - - - -	10.0	7	0.47	77.40
BIVALVE LARVAE - - - - -	10.0	7	0.47	77.40
ACARTIA TONSA - - - - -	12.0	6	0.40	66.34
TEMORA LONGICORNIS AM - - - - -	13.5	5	0.33	55.29
COPEPODIDS UNID - - - - -	13.5	5	0.33	55.29
CALANUS SPP C - - - - -	15.0	4	0.27	44.23
CENTROPAGES TYPICUS C - - - - -	16.0	3	0.20	33.17
ONCAEA SPP - - - - -	17.5	2	0.13	22.11
PARACALANUS CRASSIROSTRIS AF - - - - -	17.5	2	0.13	22.11
CENTROPAGES HAMATUS - - - - -	21.5	1	0.07	11.06
CENTROPAGES TYPICUS AM - - - - -	21.5	1	0.07	11.06
PENILIA - - - - -	21.5	1	0.07	11.06
PARACALANUS CRASSIROSTRIS C - - - - -	21.5	1	0.07	11.06
PARACALANUS CRASSIROSTRIS AM - - - - -	21.5	1	0.07	11.06
PSEUDODIAPTOMUS CORONATUS - - - - -	21.5	1	0.07	11.06
TOTALS	24	1494	100	16519.23

- DATA NOT TAKEN

STATION 70	SERIES 4	CAST 37	DATE 19 AUG 77	LATITUDE 40 30.0 N	LONGITUDE 73 46.1 W
	START TIME 2020	FINISH TIME 2105	SONIC DEPTH 23	NET MESH 73	
SAMPLE DEPTH 20.0	SAMPLE TIME 2100	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0400	VOLUME COUNT 0.1520	SAMPLE NUMBER 218

S P E C I E S	RANK COUNTS %			NO./M3
PSEUDOCALANUS SP C	1.0	615	36.20	4046.05
COPEPOD NAUPLII	2.0	400	23.54	2631.58
OITHONA SIMILIS	3.0	230	13.54	1513.16
PSEUDOCALANUS SP AF	4.0	215	12.65	1414.47
MICROSETELLA NORVEGICA	5.0	105	6.18	690.79
PSEUDOCALANUS SP AM	6.0	37	2.18	243.42
CHAETOGNATHS	7.0	16	0.94	105.26
PTEROPODS	8.0	15	0.88	98.68
BIVALVE LARVAE	9.0	13	0.77	85.53
COPEPODIDS UNID	10.5	12	0.71	78.95
POLYCHAETE LARVAE	10.5	12	0.71	78.95
ACARTIA TONSA	12.0	5	0.29	32.89
ANTHOZOA LARVAE	13.0	4	0.24	26.32
CALANUS SPP C	15.0	3	0.18	19.74
PSEUDODIAPTOMUS CORONATUS	15.0	3	0.18	19.74
CENTROPAGES TYPICUS AF	15.0	3	0.18	19.74
PARACALANUS CRASSIROSTRIS C	18.0	2	0.12	13.16
CENTROPAGES TYPICUS AM	18.0	2	0.12	13.16
CENTROPAGES TYPICUS C	18.0	2	0.12	13.16
BARNACLE CYPRISES	22.0	1	0.06	6.58
PARACALANUS CRASSIROSTRIS AF	22.0	1	0.06	6.58
ECTOPROCT LARVAE	22.0	1	0.06	6.58
TORTANUS DISCAUDATUS	22.0	1	0.06	6.58
TEMORA LONGICORNIS AM	22.0	1	0.06	6.58
TOTALS	24	1699	100	11177.63

- DATA NOT TAKEN

STATION 71	SERIES 4	CAST 38	DATE 20 AUG 77	LATITUDE 40 30.0 N	LONGITUDE 73 46.4 W
	START TIME 0028	FINISH TIME 0111	SONIC DEPTH 24	NET MESH 73	
SAMPLE DEPTH 1.0	SAMPLE TIME 0028	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0080	VOLUME COUNT 0.0304	SAMPLE NUMBER 219

SPECIES	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1765	63.86	58059.21
ACARTIA TONSA	2.0	370	13.39	12171.05
COPEPOD NAUPLII	3.0	210	7.60	6907.89
CENTROPAGES TYPICUS C	4.0	130	4.70	4276.32
PARACALANUS CRASSIROSTRIS AF	5.0	82	2.97	2697.37
PARACALANUS CRASSIROSTRIS AM	6.0	39	1.41	1282.89
PTEROPODS	7.0	27	0.98	888.16
PSEUDODIAPTOMUS CORONATUS	8.0	25	0.90	822.37
PARACALANUS CRASSIROSTRIS C	9.0	20	0.72	657.89
PARACALANUS PARVUS AF	10.0	19	0.69	625.00
COPEPODIDS UNID	11.5	14	0.51	460.53
CENTROPAGES TYPICUS AM	11.5	14	0.51	460.53
CENTROPAGES TYPICUS AF	13.0	10	0.36	328.95
MICROSETELLA NORVEGICA	14.0	8	0.29	263.16
TEMORA LONGICORNIS AM	15.0	7	0.25	230.26
POLYCHAETE LARVAE	16.0	6	0.22	197.37
BIVALVE LARVAE	17.0	5	0.18	164.47
PARACALANUS PARVUS C	18.0	4	0.14	131.58
PARACALANUS PARVUS AM	19.0	3	0.11	98.68
ANTHOZOA LARVAE	20.0	2	0.07	65.79
PENILIA	22.5	1	0.04	32.89
EVADNE SPP	22.5	1	0.04	32.89
TORTANUS DISCAUDATUS	22.5	1	0.04	32.89
DECAPOD LARVAE	22.5	1	0.04	32.89
TOTALS	24	2764	100	90921.05

- DATA NOT TAKEN

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
71	4	38	20 AUG 77	40 30.0 N	73 46.4 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	0028	0111	24	73	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
5.0	0037	3.80	0.0080	0.0304	220

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	3340	75.98	109868.41
COPEPOD NAUPLII	2.0	305	6.94	10032.89
ACARTIA TONSA	3.0	300	6.82	9868.42
CENTROPAGES TYPICUS C	4.0	112	2.55	3684.21
PARACALANUS CRASSIROSTRIS AF	5.0	66	1.50	2171.05
PSEUDODIAPTOMUS CORONATUS	6.0	48	1.09	1578.95
PARACALANUS CRASSIROSTRIS AM	7.0	43	0.98	1414.47
PARACALANUS PARVUS AF	8.0	32	0.73	1052.63
PARACALANUS CRASSIROSTRIS C	9.0	25	0.57	822.37
COPEPODIDS UNID	10.5	14	0.32	460.53
PTEROPODS	10.5	14	0.32	460.53
PSEUDOCALANUS SP AF	12.0	13	0.30	427.63
CENTROPAGES TYPICUS AM	13.0	12	0.27	394.74
PSEUDOCALANUS SP C	14.0	10	0.23	328.95
TEMORA LONGICORNIS AM	15.0	8	0.18	263.16
CENTROPAGES TYPICUS AF	17.5	7	0.16	230.26
MICROSETELLA NORVEGICA	17.5	7	0.16	230.26
PARACALANUS PARVUS AM	17.5	7	0.16	230.26
PARACALANUS PARVUS C	17.5	7	0.16	230.26
DECAPOD LARVAE	21.0	5	0.11	164.47
BIVALVE LARVAE	21.0	5	0.11	164.47
TEMORA LONGICORNIS C	21.0	5	0.11	164.47
PENILIA	23.0	4	0.09	131.58
POLYCHAETE LARVAE	24.0	3	0.07	98.68
CALANUS SPP C	25.0	2	0.05	65.79
EVADNE SPP	26.5	1	0.02	32.89
TORTANUS DISCAUDATUS	26.5	1	0.02	32.89
TOTALS	27	4396	100	144605.25

- DATA NOT TAKEN

STATION 71	SERIES 4	CAST 38	DATE 20 AUG 77	LATITUDE 40 30.0 N	LONGITUDE 73 46.4 W
	START TIME 0028	FINISH TIME 0111	SONIC DEPTH 24	NET MESH 73	
SAMPLE DEPTH 10.0	SAMPLE TIME 0048	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0125	VOLUME COUNT 0.0475	SAMPLE NUMBER 221

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	485	28.99	10210.53
COPEPOD NAUPLII	2.0	410	24.51	8631.58
ACARTIA TONSA	3.0	238	14.23	5010.53
PSEUDOCALANUS SP AF	4.0	100	5.98	2105.26
CENTROPAGES TYPICUS C	5.0	66	3.95	1389.47
PSEUDOCALANUS SP C	6.0	63	3.77	1326.32
MICROSETELLA NORVEGICA	7.0	42	2.51	884.21
PSEUDODIAPTOMUS CORONATUS	8.0	39	2.33	821.05
COPEPODIDS UNID	9.0	38	2.27	800.00
TEMORA LONGICORNIS AM	10.0	37	2.21	778.95
CENTROPAGES TYPICUS AM	11.0	23	1.37	484.21
PARACALANUS CRASSIROSTRIS C	12.0	22	1.32	463.16
PARACALANUS PARVUS AF	13.0	20	1.20	421.05
CENTROPAGES TYPICUS AF	14.0	16	0.96	336.84
PARACALANUS CRASSIROSTRIS AM	15.0	15	0.90	315.79
PENILIA	16.0	14	0.84	294.74
TEMORA LONGICORNIS AF	17.5	7	0.42	147.37
PTEROPODS-	17.5	7	0.42	147.37
PSEUDOCALANUS SP AM	19.0	6	0.36	126.32
CHAETOGNATHS	21.0	4	0.24	84.21
POLYCHAETE LARVAE	21.0	4	0.24	84.21
TEMORA LONGICORNIS C	21.0	4	0.24	84.21
PARACALANUS CRASSIROSTRIS AF	23.5	3	0.18	63.16
BIVALVE LARVAE	23.5	3	0.18	63.16
PARACALANUS PARVUS AM	25.5	2	0.12	42.11
DECAPOD LARVAE	25.5	2	0.12	42.11
TORTANUS DISCAUDATUS	28.0	1	0.06	21.05
PARACALANUS PARVUS C	28.0	1	0.06	21.05
CALANUS SPP C	28.0	1	0.06	21.05
TOTALS	29	1673	100	35221.04

- DATA NOT TAKEN

STATION 71	SERIES 4	CAST 38	DATE 20 AUG 77	LATITUDE 40 30.0 N	LONGITUDE 73 46.4 W
	START TIME 0028	FINISH TIME 0111	SONIC DEPTH 24	NET MESH 73	
SAMPLE DEPTH 15.0	SAMPLE TIME 0057	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0200	VOLUME COUNT 0.0760	SAMPLE NUMBER 222

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	715	40.26	9407.89
COPEPOD NAUPLII	2.0	335	18.86	4407.89
PSEUDOCALANUS SP C	3.0	260	14.64	3421.05
PSEUDOCALANUS SP AF	4.0	175	9.85	2302.63
MICROSETELLA NORVEGICA	5.0	45	2.53	592.11
PTEROPODS	6.0	33	1.86	434.21
PSEUDODIAPTOMUS CORONATUS	7.0	32	1.80	421.05
BIVALVE LARVAE	8.5	23	1.30	302.63
TEMORA LONGICORNIS AM	8.5	23	1.30	302.63
CENTROPAGES TYPICUS C	10.0	21	1.18	276.32
ACARTIA TONSA	11.0	18	1.01	236.84
CENTROPAGES TYPICUS AF	12.0	17	0.96	223.68
COPEPODIDS UNID	13.0	16	0.90	210.53
CHAETOGNATHS	14.5	10	0.56	131.58
CENTROPAGES TYPICUS AM	14.5	10	0.56	131.58
PSEUDOCALANUS SP AM	16.0	9	0.51	118.42
ECTOPROCT LARVAE	18.5	5	0.28	65.79
POLYCHAETE LARVAE	18.5	5	0.28	65.79
TEMORA LONGICORNIS AF	18.5	5	0.28	65.79
PARACALANUS PARVUS AF	18.5	5	0.28	65.79
TORTANUS DISCAUDATUS	21.0	3	0.17	39.47
ONCAEA SPP	23.5	2	0.11	26.32
PARACALANUS PARVUS C	23.5	2	0.11	26.32
METRIDIA LUCENS AM	23.5	2	0.11	26.32
PARACALANUS CRASSIROSTRIS AM	23.5	2	0.11	26.32
PARACALANUS CRASSIROSTRIS AF	27.0	1	0.06	13.16
PARACALANUS CRASSIROSTRIS C	27.0	1	0.06	13.16
TEMORA LONGICORNIS C	27.0	1	0.06	13.16
TOTALS	28	1776	100	23368.42

- DATA NOT TAKEN

STATION 71	SERIES 4	CAST 38	DATE 20 AUG 77	LATITUDE 40 30.0 N	LONGITUDE 73 46.4 W
	START TIME 0028	FINISH TIME 0111	SONIC DEPTH 24	NET MESH 73	
SAMPLE DEPTH 20.0	SAMPLE TIME 0106	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0185	VOLUME COUNT 0.0703	SAMPLE NUMBER 223

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	455	29.66	6472.26
PSEUDOCALANUS SP C	2.0	440	28.68	6258.89
COPEPOD NAUPLII	3.0	320	20.86	4551.92
PSEUDOCALANUS SP AF	4.0	132	8.60	1877.67
MICROSETELLA NORVEGICA	5.0	65	4.24	924.61
PTEROPODS	6.0	27	1.76	384.07
CHAETOGNATHS	7.0	20	1.30	284.49
BIVALVE LARVAE	8.0	14	0.91	199.15
PSEUDOCALANUS SP AM	9.0	13	0.85	184.92
COPEPODIDS UNID	10.0	11	0.72	156.47
DECAPOD LARVAE	11.5	5	0.33	71.12
ACARTIA TONSA	11.5	5	0.33	71.12
PSEUDODIAPTOMUS CORONATUS	13.5	4	0.26	56.90
POLYCHAETE LARVAE	13.5	4	0.26	56.90
PARACALANUS CRASSIROSTRIS AM	15.0	3	0.20	42.67
POLYCHAETE LAR EAR	18.0	2	0.13	28.45
PARACALANUS CRASSIROSTRIS C	18.0	2	0.13	28.45
ANTHOZOA LARVAE	18.0	2	0.13	28.45
ECTOPROCT LARVAE	18.0	2	0.13	28.45
CENTROPAGES TYPICUS AM	18.0	2	0.13	28.45
ONCAEA SPP	23.5	1	0.07	14.22
PARACALANUS CRASSIROSTRIS AF	23.5	1	0.07	14.22
CENTROPAGES TYPICUS C	23.5	1	0.07	14.22
TORTANUS DISCAUDATUS	23.5	1	0.07	14.22
CENTROPAGES TYPICUS AF	23.5	1	0.07	14.22
TEMORA LONGICORNIS AM	23.5	1	0.07	14.22
TOTALS	26	1534	100	21820.76

- DATA NOT TAKEN

STATION 141	SERIES 6	CAST 55	DATE 28 AUG 77	LATITUDE 40 46.3 N	LONGITUDE 72 30.8 W
	START TIME 0805	FINISH TIME 0852	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 0805	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0125	VOLUME COUNT 0.0475	SAMPLE NUMBER 304

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	930	33.94	19578.95
COPEPOD NAUPLII	2.0	865	31.57	18210.53
CENTROPAGES TYPICUS C	3.0	350	12.77	7368.42
PENILIA	4.0	210	7.66	4421.05
COPEPODIDS UNID	5.0	82	2.99	1726.32
EVADNE SPP	6.0	55	2.01	1157.89
PARACALANUS PARVUS C	7.0	42	1.53	884.21
BIVALVE LARVAE	8.0	33	1.20	694.74
PARACALANUS CRASSIROSTRIS AF	9.0	24	0.88	505.26
LARVACEAN	10.0	17	0.62	357.89
PARACALANUS PARVUS AF	11.0	16	0.58	336.84
CENTROPAGES TYPICUS AM	12.5	15	0.55	315.79
ACARTIA SPP C	12.5	15	0.55	315.79
CENTROPAGES TYPICUS AF	14.0	14	0.51	294.74
PSEUDOCALANUS SP AF	15.5	13	0.47	273.68
PARACALANUS CRASSIROSTRIS C	15.5	13	0.47	273.68
PSEUDOCALANUS SP C	17.0	10	0.36	210.53
DOLIOLIDS	18.0	7	0.26	147.37
PODON SPP	19.0	6	0.22	126.32
ACARTIA TCNSA	20.5	5	0.18	105.26
PTEROPODS	20.5	5	0.18	105.26
CENTROPAGES HAMATUS	22.5	3	0.11	63.16
PARACALANUS PARVUS AM	22.5	3	0.11	63.16
PARACALANUS CRASSIROSTRIS AM	24.5	2	0.07	42.11
ECTOPROCT LARVAE	24.5	2	0.07	42.11
ONCAEA SPP	27.0	1	0.04	21.05
POLYCHAETE LARVAE	27.0	1	0.04	21.05
ACARTIA LONGIREMIS	27.0	1	0.04	21.05
TOTALS	28	2740	100	57684.20

- DATA NOT TAKEN

STATION 141	SERIES 6	CAST 55	DATE 28 AUG 77	LATITUDE 40 46.3 N	LONGITUDE 72 30.8 W
	START TIME 0805	FINISH TIME 0852	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 0814	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0167	VOLUME COUNT 0.0635	SAMPLE NUMBER 305

S P E C I E S	RANK	COUNTS	%	NO./M3
MICROSETELLA NORVEGICA - - - - -	1.0	1085	37.29	17097.38
COPEPOD NAUPLII - - - - -	2.0	750	25.77	11818.47
CENTROPAGES TYPICUS C - - - - -	3.0	370	12.71	5830.44
EVADNE SPP - - - - -	4.0	158	5.43	2489.76
PENILIA - - - - -	5.0	130	4.47	2048.53
COPEPODIDS UNID - - - - -	6.0	125	4.30	1969.74
PARACALANUS PARVUS C - - - - -	7.0	53	1.82	835.17
BIVALVE LARVAE - - - - -	8.0	45	1.55	709.11
LARVACEAN - - - - -	9.0	36	1.24	567.29
PARACALANUS PARVUS AF - - - - -	10.0	29	1.00	456.98
CENTROPAGES TYPICUS AM - - - - -	11.0	24	0.82	378.19
PARACALANUS CRASSIROSTRIS AF - - - - -	12.0	23	0.79	362.43
CENTROPAGES TYPICUS AF - - - - -	13.0	14	0.48	220.61
ACARTIA SPP C - - - - -	14.0	13	0.45	204.85
PARACALANUS CRASSIROSTRIS AM - - - - -	16.0	10	0.34	157.58
PTEROPODS - - - - -	16.0	10	0.34	157.58
PARACALANUS CRASSIROSTRIS C - - - - -	16.0	10	0.34	157.58
PSEUDOCALANUS SP AF - - - - -	18.5	5	0.17	78.79
ECTOPROCT LARVAE - - - - -	18.5	5	0.17	78.79
PSEUDOCALANUS SP C - - - - -	20.0	4	0.14	63.03
ACARTIA LONGIREMIS - - - - -	21.0	3	0.10	47.27
PARACALANUS PARVUS AM - - - - -	22.5	2	0.07	31.52
BARNACLE NAUPLII - - - - -	22.5	2	0.07	31.52
PODON SPP - - - - -	25.5	1	0.03	15.76
TORTANUS DISCAUDATUS - - - - -	25.5	1	0.03	15.76
ONCAEA VENUSTA - - - - -	25.5	1	0.03	15.76
POLYCHAETE LARVAE - - - - -	25.5	1	0.03	15.76
TOTALS	27	2910	100	45855.65

- DATA NOT TAKEN

STATION 141	SERIES 6	CAST 55	DATE 28 AUG 77	LATITUDE 40 46.3 N	LONGITUDE 72 30.8 W
	START TIME 0805	FINISH TIME 0852	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 0821	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0167	VOLUME COUNT 0.0635	SAMPLE NUMBER 306

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS - - - - -	1.0	1995	42.51	31437.13
COPEPOD NAUPLII - - - - -	2.0	1490	31.75	23479.36
CENTROPAGES TYPICUS C - - - - -	3.0	275	5.86	4333.44
COPEPODIDS UNID - - - - -	4.0	225	4.79	3545.54
PENILIA - - - - -	5.0	210	4.47	3309.17
BIVALVE LARVAE - - - - -	6.0	83	1.77	1307.91
PARACALANUS PARVUS C - - - - -	7.0	57	1.21	898.20
EVADNE SPP - - - - -	8.0	55	1.17	866.69
PARACALANUS CRASSIROSTRIS AF - - - - -	9.0	45	0.96	709.11
ACARTIA SPP C - - - - -	10.0	39	0.83	614.56
PARACALANUS CRASSIROSTRIS C - - - - -	11.0	37	0.79	583.04
PARACALANUS CRASSIROSTRIS AM - - - - -	12.0	24	0.51	378.19
PTEROPODS - - - - -	13.5	22	0.47	346.68
DOLIOLIDS - - - - -	13.5	22	0.47	346.68
LARVACEAN - - - - -	15.5	16	0.34	252.13
CENTROPAGES TYPICUS AF - - - - -	15.5	16	0.34	252.13
CENTROPAGES TYPICUS AM - - - - -	17.0	15	0.32	236.37
PARACALANUS PARVUS AF - - - - -	18.0	14	0.30	220.61
PODON SPP - - - - -	19.5	8	0.17	126.06
ACARTIA LONGIREMIS - - - - -	19.5	8	0.17	126.06
PSEUDOCALANUS SP C - - - - -	21.0	7	0.15	110.31
POLYCHAETE LARVAE - - - - -	22.5	5	0.11	78.79
PARACALANUS PARVUS AM - - - - -	22.5	5	0.11	78.79
ECTOPROCT LARVAE - - - - -	24.5	4	0.09	63.03
PSEUDOCALANUS SP AF - - - - -	24.5	4	0.09	63.03
OITHONA ATLANTICA - - - - -	26.5	3	0.06	47.27
ONCAEA VENUSTA - - - - -	26.5	3	0.06	47.27
BARNACLE NAUPLII - - - - -	29.0	2	0.04	31.52
FISH LARVAE - - - - -	29.0	2	0.04	31.52
PSEUDOCALANUS SP AM - - - - -	29.0	2	0.04	31.52
TOTALS	30	4693	100	73952.08

- DATA NOT TAKEN

STATION 141	SERIES 6	CAST 55	DATE 28 AUG 77	LATITUDE 40 46.3 N	LONGITUDE 72 30.8 W
	START TIME 0805	FINISH TIME 0852	SONIC DEPTH 28.	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 0830	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0125	VOLUME COUNT 0.0475	SAMPLE NUMBER 307

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	940	40.62	19789.47
COPEPOD NAUPLII	2.0	530	22.90	11157.89
CENTROPAGES TYPICUS C	3.0	160	6.91	3368.42
PSEUDOCALANUS SP C	4.0	122	5.27	2568.42
PSEUDOCALANUS SP AF	5.0	103	4.45	2168.42
PARACALANUS PARVUS C	6.0	102	4.41	2147.37
COPEPODIDS UNID	7.0	93	4.02	1957.89
BIVALVE LARVAE	8.0	80	3.46	1684.21
PARACALANUS PARVUS AF	9.0	37	1.60	778.95
PARACALANUS PARVUS AM	10.0	23	0.99	484.21
PENILIA	11.0	16	0.69	336.84
ACARTIA LONGIREMIS	12.0	15	0.65	315.79
CENTROPAGES TYPICUS AM	13.0	12	0.52	252.63
CENTROPAGES TYPICUS AF	14.0	10	0.43	210.53
PSEUDOCALANUS SP AM	15.0	9	0.39	189.47
CENTROPAGES HAMATUS	17.0	8	0.35	168.42
PTEROPODS	17.0	8	0.35	168.42
POLYCHAETE LARVAE	17.0	8	0.35	168.42
ACARTIA SPP C	19.0	7	0.30	147.37
LARVACEAN	20.0	6	0.26	126.32
PARACALANUS CRASSIROSTRIS AM	21.0	5	0.22	105.26
PARACALANUS CRASSIROSTRIS AF	22.5	4	0.17	84.21
PARACALANUS CRASSIROSTRIS C	22.5	4	0.17	84.21
PODON SPP	24.5	3	0.13	63.16
ECTOPROCT LARVAE	24.5	3	0.13	63.16
TEMORA SPP	26.0	2	0.09	42.11
ONCAEA VENUSTA	28.5	1	0.04	21.05
ANTHOZOA LARVAE	28.5	1	0.04	21.05
CALANUS SPP C	28.5	1	0.04	21.05
BARNACLE NAUPLII	28.5	1	0.04	21.05
TOTALS	30	2314	100	48715.79
- DATA NOT TAKEN				

STATION 141	SERIES 6	CAST 55	DATE 28 AUG 77	LATITUDE 40 46.3 N	LONGITUDE 72 30.8 W
	START TIME 0805	FINISH TIME 0852	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 0838	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0125	VOLUME COUNT 0.0475	SAMPLE NUMBER 308

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1055	42.49	22210.53
COPEPOD NAUPLII	2.0	505	20.34	10631.58
PSEUDOCALANUS SP C	3.0	250	10.07	5263.16
PARACALANUS PARVUS C	4.0	103	4.15	2168.42
PSEUDOCALANUS SP AF	5.0	88	3.54	1852.63
PARACALANUS PARVUS AF	6.0	83	3.34	1747.37
CENTROPAGES TYPICUS C	7.0	76	3.06	1600.00
BIVALVE LARVAE	8.0	74	2.98	1557.89
PARACALANUS PARVUS AM	9.0	71	2.86	1494.74
PTEROPODS	10.0	27	1.09	568.42
COPEPODIDS UNID	11.0	23	0.93	484.21
PENILIA	12.0	16	0.64	336.84
ECTOPROCT LARVAE	13.5	11	0.44	231.58
PARACALANUS CRASSIROSTRIS AM	13.5	11	0.44	231.58
PSEUDOCALANUS SP AM	15.5	10	0.40	210.53
CENTROPAGES TYPICUS AM	15.5	10	0.40	210.53
CENTROPAGES TYPICUS AF	17.0	9	0.36	189.47
PARACALANUS CRASSIROSTRIS C	19.5	8	0.32	168.42
LARVACEAN	19.5	8	0.32	168.42
MICROSETELLA NORVEGICA	19.5	8	0.32	168.42
CENTROPAGES HAMATUS	19.5	8	0.32	168.42
TEMORA SPP	22.5	6	0.24	126.32
POLYCHAETE LARVAE	22.5	6	0.24	126.32
ACARTIA LONGIREMIS	24.5	5	0.20	105.26
PARACALANUS CRASSIROSTRIS AF	24.5	5	0.20	105.26
DECAPOD LARVAE	26.5	2	0.08	42.11
ACARTIA SPP C	26.5	2	0.08	42.11
EUTERPINA SP	29.0	1	0.04	21.05
ONCAEA SPP	29.0	1	0.04	21.05
PODON SPP	29.0	1	0.04	21.05
TOTALS	30	2483	100	52273.68

- DATA NOT TAKEN

STATION 141	SERIES 6	CAST 55	DATE 28 AUG 77	LATITUDE 40 46.3 N	LONGITUDE 72 30.8 W
	START TIME 0805	FINISH TIME 0852	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 25.0	SAMPLE TIME 0847	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0125	VOLUME COUNT 0.0475	SAMPLE NUMBER 309

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPOD NAUPLII	1.0	385	19.03	8105.26
CENTROPAGES TYPICUS C	2.0	380	18.78	8000.00
OITHONA SIMILIS	3.0	310	15.32	6526.32
PSEUDOCALANUS SP C	4.0	280	13.84	5894.74
PARACALANUS PARVUS C	5.0	132	6.52	2778.95
PARACALANUS PARVUS AF	6.0	115	5.68	2421.05
PARACALANUS PARVUS AM	7.0	93	4.60	1957.89
PSEUDOCALANUS SP AF	8.0	74	3.66	1557.89
COPEPODIDS UNID	9.0	40	1.98	842.11
CENTROPAGES TYPICUS AM	10.0	35	1.73	736.84
CENTROPAGES TYPICUS AF	11.0	33	1.63	694.74
CENTROPAGES HAMATUS	12.0	23	1.14	484.21
PARACALANUS CRASSIROSTRIS AM	13.0	22	1.09	463.16
PTEROPODS	14.0	17	0.84	357.89
MICROSETELLA NORVEGICA	15.0	15	0.74	315.79
PARACALANUS CRASSIROSTRIS C	17.0	11	0.54	231.58
PSEUDOCALANUS SP AM	17.0	11	0.54	231.58
BIVALVE LARVAE	17.0	11	0.54	231.58
PARACALANUS CRASSIROSTRIS AF	19.0	9	0.44	189.47
ONCAEA SPP	20.0	7	0.35	147.37
POLYCHAETE LARVAE	21.0	6	0.30	126.32
ACARTIA LONGIREMIS	22.0	3	0.15	63.16
PODON SPP	23.0	2	0.10	42.11
TEMORA LONGICORNIS AM	28.0	1	0.05	21.05
EUTERPINA SP	28.0	1	0.05	21.05
LABIDOCERA AESTIVA	28.0	1	0.05	21.05
ACARTIA SPP C	28.0	1	0.05	21.05
ECTOPROCT LARVAE	28.0	1	0.05	21.05
EVADNE SPP	28.0	1	0.05	21.05
TEMORA SPP	28.0	1	0.05	21.05
TEMORA LONGICORNIS AF	28.0	1	0.05	21.05
BARNACLE NAUPLII	28.0	1	0.05	21.05
TOTALS	32	2023	100	42589.45

- DATA NOT TAKEN

STATION 142	SERIES 6	CAST 56	DATE 28 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 30.4 W
	START TIME 1220	FINISH TIME 1307	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 1220	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0125	VOLUME COUNT 0.0475	SAMPLE NUMBER 310

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1250	34.27	26315.79
COPEPOD NAUPLII	2.0	970	26.59	20421.05
CENTROPAGES TYPICUS C	3.0	510	13.98	10736.84
PENILIA	4.0	240	6.58	5052.63
COPEPODIDS UNID	5.0	220	6.03	4831.58
CENTROPAGES TYPICUS AM	6.0	64	1.75	1347.37
PARACALANUS PARVUS C	7.0	62	1.70	1305.26
EVADNE SPP	8.0	57	1.56	1200.00
PARACALANUS CRASSIROSTRIS AF	9.0	48	1.32	1010.53
BIVALVE LARVAE	10.0	37	1.01	778.95
PARACALANUS PARVUS AF	11.0	34	0.93	715.79
CENTROPAGES TYPICUS AF	12.0	28	0.77	589.47
ACARTIA SPP C	13.0	27	0.74	568.42
PARACALANUS CRASSIROSTRIS C	14.0	17	0.47	357.89
PARACALANUS CRASSIROSTRIS AM	15.0	16	0.44	336.84
LARVACEAN	15.0	16	0.44	336.84
ACARTIA LONGIREMIS	17.0	12	0.33	252.63
PSEUDOCALANUS SP C	18.0	7	0.19	147.37
PTEROPODS	18.0	7	0.19	147.37
PARACALANUS PARVUS AM	20.0	6	0.16	126.32
DOLICLIDS	21.0	5	0.14	105.26
PODON SPP	22.0	4	0.11	84.21
PSEUDOCALANUS SP AF	22.0	4	0.11	84.21
CENTROPAGES HAMATUS	24.0	2	0.05	42.11
MICROSETELLA NORVEGICA	27.0	1	0.03	21.05
ANTHOZOA LARVAE	27.0	1	0.03	21.05
ECTOPROCT LARVAE	27.0	1	0.03	21.05
LABIDOCERA SP	27.0	1	0.03	21.05
HARPACTICOIDA UNID	27.0	1	0.03	21.05
TOTALS	29	3648	100	76800.02

- DATA NOT TAKEN

STATION 142	SERIES 6	CAST 56	DATE 28 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 30.4 W
	START TIME 1220	FINISH TIME 1307	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 1228	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0091	VOLUME COUNT 0.0346	SAMPLE NUMBER 311

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1010	35.09	29207.63
COPEPOD NAUPLII	2.0	735	25.54	21255.06
CENTROPAGES TYPICUS C	3.0	355	12.33	10266.05
PENILIA	4.0	265	9.21	7663.39
COPEPODIDS UNID	5.0	156	5.42	4511.28
CENTROPAGES TYPICUS AF	6.0	50	1.74	1445.92
CENTROPAGES TYPICUS AM	7.0	49	1.70	1417.00
PARACALANUS PARVUS C	8.0	37	1.29	1069.98
BIVALVE LARVAE	9.0	29	1.01	838.63
ACARTIA SPP C	10.0	26	0.90	751.88
PARACALANUS CRASSIROSTRIS AF	11.0	20	0.69	578.37
PARACALANUS CRASSIROSTRIS AM	12.5	19	0.66	549.45
EVADNE SPP	12.5	19	0.66	549.45
PARACALANUS CRASSIROSTRIS C	14.0	18	0.63	520.53
PSEUDOCALANUS SP C	15.0	17	0.59	491.61
PTEROPODS	16.0	16	0.56	462.70
PARACALANUS PARVUS AF	17.0	12	0.42	347.02
ACARTIA LONGIREMIS	18.0	11	0.38	318.10
LARVACEAN	19.0	9	0.31	260.27
DOLIOLIDS	20.0	7	0.24	202.43
PSEUDOCALANUS SP AF	22.0	4	0.14	115.67
PARACALANUS PARVUS AM	22.0	4	0.14	115.67
CENTROPAGES HAMATUS	22.0	4	0.14	115.67
POLYCHAETE LARVAE	24.0	2	0.07	57.84
PODON SPP	26.5	1	0.03	28.92
MICROSETELLA NORVEGICA	26.5	1	0.03	28.92
LABIDOCERA SP	26.5	1	0.03	28.92
ONCAEA SPP	26.5	1	0.03	28.92
TOTALS	28	2878	100	83227.32

- DATA NOT TAKEN

STATION 142	SERIES 6	CAST 56	DATE 28 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 30.4 W
	START TIME 1220	FINISH TIME 1307	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 1237	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0062	VOLUME COUNT 0.0236	SAMPLE NUMBER 312

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	905	47.09	38412.56
COPEPOD NAUPLII	2.0	590	30.70	25042.44
CENTROPAGES TYPICUS C	3.0	122	6.35	5178.27
COPEPODIDS UNID	4.0	64	3.33	2716.47
PENILIA	5.0	39	2.03	1655.35
PSEUDOCALANUS SP C	6.0	33	1.72	1400.68
BIVALVE LARVAE	7.0	30	1.56	1273.34
PARACALANUS PARVUS C	8.0	25	1.30	1061.12
LARVACEAN	9.0	13	0.68	551.78
EVADNE SPP	10.0	12	0.62	509.34
PSEUDOCALANUS SP AF	11.0	11	0.57	466.89
PARACALANUS CRASSIROSTRIS AF	13.0	10	0.52	424.45
PARACALANUS CRASSIROSTRIS AM	13.0	10	0.52	424.45
PARACALANUS PARVUS AF	13.0	10	0.52	424.45
CENTROPAGES TYPICUS AM	15.5	9	0.47	382.00
ACARTIA LONGIREMIS	15.5	9	0.47	382.00
PARACALANUS CRASSIROSTRIS C	17.0	8	0.42	339.56
CENTROPAGES TYPICUS AF	18.0	6	0.31	254.67
PTEROPODS	20.0	3	0.16	127.33
PARACALANUS PARVUS AM	20.0	3	0.16	127.33
ACARTIA SPP C	20.0	3	0.16	127.33
DOLIOLIDS	22.5	2	0.10	84.89
POLYCHAETE LARVAE	22.5	2	0.10	84.89
DECAPOD LARVAE	25.0	1	0.05	42.44
ONCAEA SPP	25.0	1	0.05	42.44
ECTOPROCT LARVAE	25.0	1	0.05	42.44
TOTALS	26	1922	100	81578.92

- DATA NOT TAKEN

STATION 142	SERIES 6	CAST 56	DATE 28 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 30.4 W
	START TIME 1220	FINISH TIME 1307	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 1245	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 313

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPOD NAUPLII	1.0	595	34.22	18864.93
OITHONA SIMILIS	2.0	535	30.76	16962.59
CENTROPAGES TYPICUS C	3.0	125	7.19	3963.22
COPEPODIDS UNID	4.0	102	5.87	3233.99
PARACALANUS PARVUS C	5.0	83	4.77	2631.58
PSEUDOCALANUS SP C	6.0	82	4.72	2599.87
BIVALVE LARVAE	7.0	53	3.05	1680.41
PARACALANUS PARVUS AF	8.0	31	1.78	982.88
PSEUDOCALANUS SP AF	9.0	28	1.61	887.76
PENILIA	10.0	23	1.32	729.23
ECTOPROCT LARVAE	11.0	13	0.75	412.17
PARACALANUS PARVUS AM	12.0	10	0.58	317.06
CENTROPAGES TYPICUS AF	13.0	9	0.52	285.35
PTEROPODS	15.0	8	0.46	253.65
CENTROPAGES TYPICUS AM	15.0	8	0.46	253.65
EVADNE SPP	15.0	8	0.46	253.65
PSEUDOCALANUS SP AM	17.5	4	0.23	126.82
POLYCHAETE LARVAE	17.5	4	0.23	126.82
ACARTIA SPP C	20.0	3	0.17	95.12
LARVACEAN	20.0	3	0.17	95.12
PARACALANUS CRASSIROSTRIS AM	20.0	3	0.17	95.12
CENTROPAGES HAMATUS	23.5	2	0.12	63.41
ACARTIA LONGIREMIS	23.5	2	0.12	63.41
PARACALANUS CRASSIROSTRIS C	23.5	2	0.12	63.41
PARACALANUS CRASSIROSTRIS AF	23.5	2	0.12	63.41
BARNACLE NAUPLII	26.0	1	0.06	31.71
TOTALS	26	1739	100	55136.33

- DATA NOT TAKEN

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
142	6	56	28 AUG 77	40 46.5 N	72 30.4 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	1220	1307	28	70	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
20.0	1254	3.80	0.0083	0.0315	314

S P E C I E S		RANK	COUNTS	%	NO./M3	
OITHONA SIMILIS	- - - - -	1.0	835	46.06	26474.32	
COPEPOD NAUPLII	- - - - -	2.0	450	24.82	14267.60	
PSEUDOCALANUS SP C	- - - - -	3.0	102	5.63	3233.99	
CENTROPAGES TYPICUS C	- - - - -	4.0	81	4.47	2568.17	
PARACALANUS PARVUS C	- - - - -	5.0	76	4.19	2409.64	
COPEPODIDS UNID	- - - - -	6.0	62	3.42	1965.76	
PARACALANUS PARVUS AM	- - - - -	7.0	35	1.93	1109.70	
PARACALANUS PARVUS AF	- - - - -	8.0	34	1.88	1078.00	
CENTROPAGES TYPICUS AM	- - - - -	9.0	15	0.83	475.59	
PARACALANUS CRASSIROSTRIS C	- - -	10.5	14	0.77	443.88	
PARACALANUS CRASSIROSTRIS AM	- -	10.5	14	0.77	443.88	
PSEUDOCALANUS SP AF	- - - - -	12.0	11	0.61	348.76	
MICROSETELLA NORVEGICA	- - - - -	13.0	9	0.50	285.35	
CENTROPAGES HAMATUS	- - - - -	14.0	8	0.44	253.65	
CENTROPAGES TYPICUS AF	- - - - -	16.0	7	0.39	221.94	
PTEROPODS	- - - - -	16.0	7	0.39	221.94	
BIVALVE LARVAE	- - - - -	16.0	7	0.39	221.94	
LARVACEAN	- - - - -	18.5	6	0.33	190.23	
ECTOPROCT LARVAE	- - - - -	18.5	6	0.33	190.23	
PENILIA	- - - - -	20.0	5	0.28	158.53	
PARACALANUS CRASSIROSTRIS AF	- -	22.0	4	0.22	126.82	
ACAPTIA LONGIREMIS	- - - - -	22.0	4	0.22	126.82	
POLYCHAETE LARVAE	- - - - -	22.0	4	0.22	126.82	
TEMORA LONGICORNIS AF	- - - - -	25.5	3	0.17	95.12	
TEMORA LONGICORNIS AM	- - - - -	25.5	3	0.17	95.12	
PODON SPP	- - - - -	25.5	3	0.17	95.12	
PSEUDOCALANUS SP AM	- - - - -	25.5	3	0.17	95.12	
TEMORA LONGICORNIS C	- - - - -	30.0	1	0.06	31.71	
TEMORA SPP	- - - - -	30.0	1	0.06	31.71	
DECAPOD LARVAE	- - - - -	30.0	1	0.06	31.71	
DOLIOLIDS	- - - - -	30.0	1	0.06	31.71	
BARNACLE NAUPLII	- - - - -	30.0	1	0.06	31.71	
		TOTALS	32	1813	100	57482.56

- DATA NOT TAKEN

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
142	6	56	28 AUG 77	40 46.5 N	72 30.4 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	1220	1307	28	70	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
25.0	1302	3.80	0.0083	0.0315	315

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	725	45.00	22986.68
COPEPOD NAUPLII	2.0	340	21.10	10779.96
PSEUDOCALANUS SP C	3.0	108	6.70	3424.22
COPEPODIDS UNID	4.0	83	5.15	2631.58
CENTROPAGES TYPICUS C	5.0	71	4.41	2251.11
PARACALANUS PARVUS C	6.5	56	3.48	1775.52
PARACALANUS PARVUS AF	6.5	56	3.48	1775.52
BIVALVE LARVAE	8.0	22	1.37	697.53
CENTROPAGES TYPICUS AF	10.0	19	1.18	602.41
PSEUDOCALANUS SP AF	10.0	19	1.18	602.41
PARACALANUS PARVUS AM	10.0	19	1.18	602.41
CENTROPAGES TYPICUS AM	12.0	14	0.87	443.88
PARACALANUS CRASSIROSTRIS AM	13.0	10	0.62	317.06
PARACALANUS CRASSIROSTRIS C	15.0	9	0.56	285.35
MICROSETELLA NORVEGICA	15.0	9	0.56	285.35
TEMORA LONGICORNIS C	15.0	9	0.56	285.35
CENTROPAGES HAMATUS	17.5	6	0.37	190.23
ACARTIA LONGIREMIS	17.5	6	0.37	190.23
ECTOPROCT LARVAE	19.0	5	0.31	158.53
LARVACEAN	21.0	4	0.25	126.82
PARACALANUS CRASSIROSTRIS AF	21.0	4	0.25	126.82
POLYCHAETE LARVAE	21.0	4	0.25	126.82
TEMORA LONGICORNIS AM	24.0	3	0.19	95.12
PENILIA	24.0	3	0.19	95.12
PTEROPODS	24.0	3	0.19	95.12
PSEUDOCALANUS SP AM	26.0	2	0.12	63.41
PODON SPP	27.5	1	0.06	31.71
EVADNE SPP	27.5	1	0.06	31.71
TOTALS				
	28	1611	100	51078.00

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION 143	SERIES 6	CAST 57	DATE 28 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 30.6 W
	START TIME 1601	FINISH TIME 1640	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 1601	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 316

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	725	32.24	22986.68
COPEPOD NAUPLII	2.0	545	24.23	17279.64
PENILIA	3.0	295	13.12	9353.20
CENTROPAGES TYPICUS C	4.0	230	10.23	7292.33
COPEPODIDS UNID	5.0	115	5.11	3646.16
BIVALVE LARVAE	6.0	65	2.89	2060.88
PARACALANUS PARVUS C	7.0	42	1.87	1331.64
ACARTIA SPP C	8.0	32	1.42	1014.58
PARACALANUS CRASSIROSTRIS C	9.0	31	1.38	982.88
LARVACEAN	10.0	25	1.11	792.64
EVADNE SPP	11.0	24	1.07	760.94
PARACALANUS CRASSIROSTRIS AF	12.5	21	0.93	665.82
PARACALANUS PARVUS AF	12.5	21	0.93	665.82
CENTROPAGES TYPICUS AF	14.0	12	0.53	380.47
PARACALANUS CRASSIROSTRIS AM	15.5	10	0.44	317.06
ACARTIA LONGIREMIS	15.5	10	0.44	317.06
CENTROPAGES TYPICUS AM	17.0	9	0.40	285.35
PARACALANUS PARVUS AM	19.0	8	0.36	253.65
PSEUDOCALANUS SP C	19.0	8	0.36	253.65
PODON SPP	19.0	8	0.36	253.65
PTEROPODS	21.5	3	0.13	95.12
PSEUDOCALANUS SP AF	21.5	3	0.13	95.12
EUPHAUSIID NAUPLII	23.0	2	0.09	63.41
PSEUDOCALANUS SP AM	26.0	1	0.04	31.71
TEMORA LONGICORNIS AF	26.0	1	0.04	31.71
CENTROPAGES HAMATUS	26.0	1	0.04	31.71
ECTOPROCT LARVAE	26.0	1	0.04	31.71
DOLIOLIDS	26.0	1	0.04	31.71
TOTALS	28	2249	100	71306.26
- DATA NOT TAKEN				

STATION 143	SERIES 6	CAST 57	DATE 28 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 30.6 W
	START TIME 1601	FINISH TIME 1640	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 1608	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 317

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPOD NAUPLII	1.0	695	32.07	22035.51
OITHONA SIMILIS	2.0	590	27.23	18706.40
PENILIA	3.0	255	11.77	8084.97
CENTROPAGES TYPICUS C	4.0	188	8.68	5960.68
COPEPODIDS UNID	5.0	137	6.32	4343.69
BIVALVE LARVAE	6.0	43	1.98	1363.35
PARACALANUS PARVUS C	7.0	39	1.80	1236.52
PARACALANUS CRASSIROSTRIS AF	8.5	32	1.48	1014.58
ACARTIA SPP C	8.5	32	1.48	1014.58
PARACALANUS CRASSIROSTRIS C	10.0	30	1.38	951.17
LARVACEAN	11.5	24	1.11	760.94
EVADNE SPP	11.5	24	1.11	760.94
CENTROPAGES TYPICUS AF	13.0	22	1.02	697.53
ACARTIA LONGIREMIS	14.0	12	0.55	380.47
PARACALANUS PARVUS AF	15.0	8	0.37	253.65
CENTROPAGES TYPICUS AM	16.0	7	0.32	221.94
PSEUDOCALANUS SP C	17.0	6	0.28	190.23
PSEUDOCALANUS SP AF	18.5	5	0.23	158.53
PARACALANUS CRASSIROSTRIS AM	18.5	5	0.23	158.53
PARACALANUS PARVUS AM	21.0	3	0.14	95.12
CENTROPAGES HAMATUS	21.0	3	0.14	95.12
PODON SPP	21.0	3	0.14	95.12
PTEROPODS	23.0	2	0.09	63.41
ECTOPROCT LARVAE	24.5	1	0.05	31.71
DOLIOLIDS	24.5	1	0.05	31.71
TOTALS	25	2167	100	68706.40

- DATA NOT TAKEN

STATION 143	SERIES 6	CAST 57	DATE 28 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 30.6 W
	START TIME 1601	FINISH TIME 1640	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 1615	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 318

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPOD NAUPLII	1.0	615	29.67	19499.05
OITHONA SIMILIS	2.0	600	28.94	19023.46
CENTROPAGES TYPICUS C	3.0	240	11.58	7609.38
PENILIA	4.0	170	8.20	5389.98
COPEPODIDS UNID	5.0	145	6.93	4597.34
BIVALVE LARVAE	6.0	85	4.10	2694.99
PARACALANUS PARVUS C	7.0	28	1.35	887.76
PSEUDOCALANUS SP C	8.0	25	1.21	792.64
ACARTIA SPP C	9.0	24	1.16	760.94
ACARTIA LONGIREMIS	10.0	22	1.06	697.53
LARVACEAN	11.0	19	0.92	602.41
PARACALANUS CRASSIROSTRIS AF	12.0	18	0.87	570.70
PARACALANUS PARVUS AF	13.0	14	0.68	443.88
PARACALANUS CRASSIROSTRIS C	14.0	12	0.58	380.47
EVADNE SPP	15.0	11	0.53	348.76
PTEROPODS	16.5	9	0.43	285.35
ECTOPROCT LARVAE	16.5	9	0.43	285.35
PARACALANUS PARVUS AM	18.0	7	0.34	221.94
CENTROPAGES TYPICUS AF	19.0	5	0.24	158.53
PARACALANUS CRASSIROSTRIS AM	20.5	4	0.19	126.82
PSEUDOCALANUS SP AF	20.5	4	0.19	126.82
CENTROPAGES TYPICUS AM	22.5	3	0.14	95.12
PCDCN SPP	22.5	3	0.14	95.12
CENTROPAGES HAMATUS	24.0	1	0.05	31.71
TOTALS	24	2073	100	65726.05

- DATA NOT TAKEN

STATION 143	SERIES 6	CAST 57	DATE 28 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 30.6 W
	START TIME 1601	FINISH TIME 1640	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 1622	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 319

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPOD NAUPLII	1.0	1200	43.73	38046.92
OITHONA SIMILIS	2.0	925	33.71	29327.84
COPEPODIDS UNID	3.0	170	6.20	5389.98
PSEUDOCALANUS SP C	4.0	82	2.99	2599.87
BIVALVE LARVAE	5.0	77	2.81	2441.34
PARACALANUS PARVUS C	6.0	69	2.51	2187.70
CENTROPAGES TYPICUS C	7.0	48	1.75	1521.88
ECTOPROCT LARVAE	8.0	33	1.20	1046.29
PSEUDOCALANUS SP AF	9.0	22	0.80	697.53
PENILIA	10.0	18	0.66	570.70
PARACALANUS PARVUS AF	11.0	16	0.58	507.29
ACARTIA LONGIREMIS	12.0	12	0.44	380.47
EVAONE SPP	13.0	11	0.40	348.76
PTEROPODS	14.0	10	0.36	317.06
LARVACEAN	15.5	8	0.29	253.65
PARACALANUS CRASSIROSTRIS C	15.5	8	0.29	253.65
PARACALANUS CRASSIROSTRIS AM	17.5	5	0.18	158.53
PSEUDOCALANUS SP AM	17.5	5	0.18	158.53
ACARTIA SPP C	19.5	4	0.15	126.82
PODON SPP	19.5	4	0.15	126.82
PARACALANUS PARVUS AM	21.5	3	0.11	95.12
DECAPOD LARVAE	21.5	3	0.11	95.12
POLYCHAETE LARVAE	24.0	2	0.07	63.41
BARNACLE NAUPLII	24.0	2	0.07	63.41
CENTROPAGES TYPICUS AF	24.0	2	0.07	63.41
CENTROPAGES TYPICUS AM	28.0	1	0.04	31.71
ONCAEA SPP	28.0	1	0.04	31.71
MICROSETELLA NORVEGICA	28.0	1	0.04	31.71
PARACALANUS CRASSIROSTRIS AF	28.0	1	0.04	31.71
TEMORA SPP	28.0	1	0.04	31.71
TOTALS	30	2744	100	87000.62

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ZOOPLANKTON PUMP REPORT 18-MAR-83

STATION 143	SERIES 6	CAST 57	DATE 28 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 30.6 W
	START TIME 1601	FINISH TIME 1640	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 1629	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 320

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1005	44.93	31864.30
COPEPOD NAUPLII	2.0	605	27.05	19181.99
CENTROPAGES TYPICUS C	3.0	195	8.72	6182.62
PARACALANUS PARVUS AF	4.0	93	4.16	2948.64
PSEUDOCALANUS SP C	5.0	77	3.44	2441.34
COPEPODIDS UNID	6.0	58	2.59	1838.93
PARACALANUS PARVUS C	7.0	48	2.15	1521.88
PSEUDOCALANUS SP AF	8.0	22	0.98	697.53
PARACALANUS PARVUS AM	9.5	17	0.76	539.00
PENILIA	9.5	17	0.76	539.00
BIVALVE LARVAE	11.0	15	0.67	475.59
ECTOPROCT LARVAE	12.0	14	0.63	443.88
MICROSETELLA NORVEGICA	13.0	9	0.40	285.35
PSEUDOCALANUS SP AM	14.5	8	0.36	253.65
LARVACEAN	14.5	8	0.36	253.65
ACARTIA LONGIREMIS	16.5	7	0.31	221.94
CENTROPAGES HAMATUS	16.5	7	0.31	221.94
CENTROPAGES TYPICUS AF	18.0	6	0.27	190.23
CENTROPAGES TYPICUS AM	19.5	5	0.22	158.53
POLYCHAETE LARVAE	19.5	5	0.22	158.53
TEMORA LONGICORNIS C	21.5	4	0.18	126.82
PARACALANUS CRASSIROSTRIS AM	21.5	4	0.18	126.82
PARACALANUS CRASSIROSTRIS C	23.5	2	0.09	63.41
ANTHOZOA LARVAE	23.5	2	0.09	63.41
ONCAEA SPP	26.5	1	0.04	31.71
TEMORA LONGICORNIS AF	26.5	1	0.04	31.71
BARNACLE NAUPLII	26.5	1	0.04	31.71
PARACALANUS CRASSIROSTRIS AF	26.5	1	0.04	31.71
TOTALS	28	2237	100	70925.80
- DATA NOT TAKEN				

STATION 143	SERIES 6	CAST 57	DATE 28 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 30.6 W
	START TIME 1601	FINISH TIME 1640	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 25.0	SAMPLE TIME 1635	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 321

S P E C I E S	RANK COUNTS %			NO./M3
COPEPOD NAUPLII	1.0	420	38.22	13316.42
OITHONA SIMILIS	2.0	395	35.94	12523.78
PSEUDOCALANUS SP C	3.0	58	5.28	1838.93
CENTROPAGES TYPICUS C	4.0	41	3.73	1299.94
COPEPODIDS UNID	5.0	31	2.82	982.88
PARACALANUS PARVUS C	6.0	19	1.73	602.41
CENTROPAGES TYPICUS AM	7.5	16	1.46	507.29
CENTROPAGES HAMATUS	7.5	16	1.46	507.29
PSEUDOCALANUS SP AF	9.0	15	1.36	475.59
CENTROPAGES TYPICUS AF	10.0	14	1.27	443.88
PSEUDOCALANUS SP AM	11.0	12	1.09	380.47
PARACALANUS PARVUS AM	12.0	11	1.00	348.76
POLYCHAETE LARVAE	13.0	7	0.64	221.94
POLYCHAETE LAR EAR	14.0	5	0.45	158.53
CHAETOGNATHS	16.5	4	0.36	126.82
ONCAEA SPP	16.5	4	0.36	126.82
PARACALANUS CRASSIROSTRIS AM	16.5	4	0.36	126.82
BIVALVE LARVAE	16.5	4	0.36	126.82
PENILIA	20.5	3	0.27	95.12
ONCAEA VENUSTA	20.5	3	0.27	95.12
TORTANUS DISCAUDATUS	20.5	3	0.27	95.12
PARACALANUS PARVUS AF	20.5	3	0.27	95.12
PARACALANUS CRASSIROSTRIS C	24.0	2	0.18	63.41
PARACALANUS CRASSIROSTRIS AF	24.0	2	0.18	63.41
TEMORA SPP	24.0	2	0.18	63.41
HARPACTICOIDA UNID	28.0	1	0.09	31.71
ACARTIA LONGIREMIS	28.0	1	0.09	31.71
ACARTIA SPP C	28.0	1	0.09	31.71
GAMMARIDS	28.0	1	0.09	31.71
DECAPOD LARVAE	28.0	1	0.09	31.71
TOTALS	30	1099	100	34844.65

- DATA NOT TAKEN

STATION 144	SERIES 6	CAST 58	DATE 28 AUG 77	LATITUDE 40 46.3 N	LONGITUDE 72 30.6 W
	START TIME 2030	FINISH TIME 2121	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 2030	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 322

S P E C I E S		RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	- - - - -	1.0	730	33.20	23145.21
COPEPOD NAUPLII	- - - - -	2.0	565	25.69	17913.76
CENTROPAGES TYPICUS C	- - - - -	3.0	305	13.87	9670.26
PENILIA	- - - - -	4.0	158	7.19	5009.51
COPEPODIDS UNID	- - - - -	5.0	130	5.91	4121.75
PARACALANUS PARVUS AF	- - - - -	6.0	85	3.87	2694.99
PARACALANUS PARVUS C	- - - - -	7.0	41	1.86	1299.94
BIVALVE LARVAE	- - - - -	8.0	36	1.64	1141.41
ACARTIA SPP C	- - - - -	9.0	26	1.18	824.35
ACARTIA LONGIREMIS	- - - - -	10.5	24	1.09	760.94
EVADNE SPP	- - - - -	10.5	24	1.09	760.94
PODON SPP	- - - - -	12.0	12	0.55	380.47
CENTROPAGES TYPICUS AM	- - - - -	13.0	10	0.45	317.06
LARVACEAN	- - - - -	14.0	8	0.36	253.65
PSEUDOCALANUS SP C	- - - - -	16.0	6	0.27	190.23
CENTROPAGES HAMATUS	- - - - -	16.0	6	0.27	190.23
CENTROPAGES TYPICUS AF	- - - - -	16.0	6	0.27	190.23
ECTOPROCT LARVAE	- - - - -	18.5	4	0.18	126.82
PARACALANUS CRASSIROSTRIS AM	- - - - -	18.5	4	0.18	126.82
PARACALANUS PARVUS AM	- - - - -	21.0	3	0.14	95.12
PSEUDOCALANUS SP AF	- - - - -	21.0	3	0.14	95.12
PTEROPODS	- - - - -	21.0	3	0.14	95.12
TEMORA LONGICORNIS AF	- - - - -	24.0	2	0.09	63.41
POLYCHAETE LARVAE	- - - - -	24.0	2	0.09	63.41
PARACALANUS CRASSIROSTRIS C	- - - - -	24.0	2	0.09	63.41
PSEUDOCALANUS SP AM	- - - - -	27.5	1	0.05	31.71
PARACALANUS CRASSIROSTRIS AF	- - - - -	27.5	1	0.05	31.71
LABIDOCERA SP	- - - - -	27.5	1	0.05	31.71
DECAPOD LARVAE	- - - - -	27.5	1	0.05	31.71

TOTALS	29	2199	100	69720.97
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- DATA NOT TAKEN

STATION 144	SERIES 6	CAST 58	DATE 28 AUG 77	LATITUDE 40 46.3 N	LONGITUDE 72 30.6 W
	START TIME 2030	FINISH TIME 2121	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 2040	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0071	VOLUME COUNT 0.0270	SAMPLE NUMBER 323

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	665	37.30	24647.89
COPEPOD NAUPLII	2.0	355	19.91	13157.89
CENTROPAGES TYPICUS C	3.0	280	15.70	10378.06
PENILIA	4.0	112	6.28	4151.22
COPEPODIDS UNID	5.0	70	3.93	2594.51
PARACALANUS PARVUS C	6.0	61	3.42	2260.93
PARACALANUS PARVUS AF	7.0	55	3.08	2038.55
BIVALVE LARVAE	8.0	42	2.36	1556.71
ACARTIA SPP C	9.0	27	1.51	1000.74
ACARTIA LONGIREMIS	10.0	21	1.18	778.35
EVADNE SPP	11.0	15	0.84	555.97
CENTROPAGES TYPICUS AM	12.0	11	0.62	407.71
LARVACEAN	13.0	9	0.50	333.58
PODON SPP	14.0	8	0.45	296.52
PARACALANUS CRASSIROSTRIS AF	16.5	6	0.34	222.39
CENTROPAGES TYPICUS AF	16.5	6	0.34	222.39
PARACALANUS PARVUS AM	16.5	6	0.34	222.39
CENTROPAGES HAMATUS	16.5	6	0.34	222.39
PARACALANUS CRASSIROSTRIS AM	19.5	5	0.28	185.32
PSEUDOCALANUS SP C	19.5	5	0.28	185.32
PTEROPODS	22.0	4	0.22	148.26
PARACALANUS CRASSIROSTRIS C	22.0	4	0.22	148.26
PSEUDOCALANUS SP AF	22.0	4	0.22	148.26
ECTOPROCT LARVAE	24.5	2	0.11	74.13
DECAPOD LARVAE	24.5	2	0.11	74.13
POLYCHAETE LARVAE	26.5	1	0.06	37.06
ONCAEA VENUSTA	26.5	1	0.06	37.06
TOTALS	27	1783	100	66086.00

- DATA NOT TAKEN

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
144	6	58	28 AUG 77	40 46.3 N	72 30.6 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	2030	2121	28	70	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
10.0	2050	3.80	0.0071	0.0270	324

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	835	30.81	30948.85
COPEPOD NAUPLII	2.0	730	26.94	27057.08
CENTROPAGES TYPICUS C	3.0	510	18.82	18902.89
PENILIA	4.0	158	5.83	5856.19
COPEPODIDS UNID	5.0	77	2.84	2853.97
BIVALVE LARVAE	6.0	72	2.66	2668.64
DOLIOLIDS	7.0	38	1.40	1408.45
PARACALANUS PARVUS C	8.0	36	1.33	1334.32
PARACALANUS PARVUS AF	9.0	34	1.25	1260.19
CENTROPAGES TYPICUS AF	10.0	33	1.22	1223.13
CENTROPAGES TYPICUS AM	11.0	32	1.18	1186.06
ACARTIA LONGIREMIS	12.0	23	0.85	852.48
EVADNE SPP	13.5	20	0.74	741.29
PARACALANUS CRASSIROSTRIS C	13.5	20	0.74	741.29
LARVACEAN	15.0	18	0.66	667.16
PSEUDOCALANUS SP C	16.0	17	0.63	630.10
PARACALANUS CRASSIROSTRIS AF	17.0	15	0.55	555.97
PARACALANUS PARVUS AM	18.0	10	0.37	370.64
ACARTIA SPP C	19.0	9	0.33	333.58
PARACALANUS CRASSIROSTRIS AM	20.0	5	0.18	185.32
POLYCHAETE LARVAE	21.5	4	0.15	148.26
PTEROPODS	21.5	4	0.15	148.26
PODON SPP	23.0	3	0.11	111.19
ECTOPROCT LARVAE	25.0	2	0.07	74.13
ANTHOZOA LARVAE	25.0	2	0.07	74.13
LABIDOCERA SP	25.0	2	0.07	74.13
PSEUDOCALANUS SP AF	27.0	1	0.04	37.06
TOTALS	27	2710	100	100444.78

- DATA NOT TAKEN

STATION 144	SERIES 6	CAST 58	DATE 28 AUG 77	LATITUDE 40 46.3 N	LONGITUDE 72 30.6 W
	START TIME 2030	FINISH TIME 2121	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 2100	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0071	VOLUME COUNT 0.0270	SAMPLE NUMBER 325

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	925	38.72	34284.65
COPEPOD NAUPLII	2.0	820	34.32	30392.88
COPEPODIDS UNID	3.0	152	6.36	5633.80
PSEUDOCALANUS SP C	4.0	125	5.23	4633.06
PARACALANUS PARVUS C	5.0	82	3.43	3039.29
CENTROPAGES TYPICUS C	6.0	75	3.14	2779.84
PSEUDOCALANUS SP AF	7.0	39	1.63	1445.52
PARACALANUS PARVUS AF	8.0	35	1.47	1297.26
BIVALVE LARVAE	9.0	29	1.21	1074.87
PARACALANUS PARVUS AM	10.0	18	0.75	667.16
MICROSETELLA NORVEGICA	11.0	14	0.59	518.90
ECTOPROCT LARVAE	12.0	13	0.54	481.84
LARVACEAN	13.0	11	0.46	407.71
PSEUDOCALANUS SP AM	14.5	7	0.29	259.45
EURYTEMORA SP	14.5	7	0.29	259.45
EVADNE SPP	16.0	6	0.25	222.39
CENTROPAGES TYPICUS AM	17.0	5	0.21	185.32
CENTROPAGES TYPICUS AF	18.0	4	0.17	148.26
POLYCHAETE LARVAE	19.5	3	0.13	111.19
PODON SPP	19.5	3	0.13	111.19
PENILIA	24.0	2	0.08	74.13
CENTROPAGES HAMATUS	24.0	2	0.08	74.13
CHAETOGNATHS	24.0	2	0.08	74.13
TEMORA SPP	24.0	2	0.08	74.13
ANTHOZOA LARVAE	24.0	2	0.08	74.13
DECAPOD LARVAE	24.0	2	0.08	74.13
PTEROPODS	24.0	2	0.08	74.13
PARACALANUS CRASSIROSTRIS AM	28.5	1	0.04	37.06
PARACALANUS CRASSIROSTRIS AF	28.5	1	0.04	37.06
TOTALS	29	2389	100	88547.10

- DATA NOT TAKEN

STATION 144	SERIES 6	CAST 58	DATE 28 AUG 77	LATITUDE 40 46.3 N	LONGITUDE 72 30.6 W
	START TIME 2030	FINISH TIME 2121	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 2108	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0071	VOLUME COUNT 0.0270	SAMPLE NUMBER 326

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1095	51.77	40585.62
COPEPOD NAUPLII	2.0	360	17.02	13343.22
PSEUDOCALANUS SP C	3.0	305	14.42	11304.67
COPEPODIDS UNID	4.0	148	7.00	5485.54
CENTROPAGES TYPICUS C	5.0	34	1.61	1250.19
PSEUDOCALANUS SP AF	6.0	27	1.28	1000.74
ECTOPROCT LARVAE	7.0	24	1.13	889.55
PARACALANUS PARVUS C	8.0	16	0.76	593.03
BIVALVE LARVAE	9.0	15	0.71	555.97
PARACALANUS PARVUS AF	10.0	14	0.66	518.90
PARACALANUS PARVUS AM	11.0	12	0.57	444.77
MICROSETELLA NORVEGICA	12.0	11	0.52	407.71
PSEUDOCALANUS SP AM	13.0	9	0.43	333.58
LARVACEAN	14.0	8	0.38	296.52
PTEROPODS	15.0	6	0.28	222.39
ACARTIA LONGIREMIS	16.0	5	0.24	185.32
CENTROPAGES TYPICUS AF	17.0	4	0.19	148.26
CHAETOGNATHS	20.0	3	0.14	111.19
PARACALANUS CRASSIROSTRIS AM	20.0	3	0.14	111.19
CENTROPAGES HAMATUS	20.0	3	0.14	111.19
PODON SPP	20.0	3	0.14	111.19
EURYTEMORA SP	20.0	3	0.14	111.19
PARACALANUS CRASSIROSTRIS C	23.5	2	0.09	74.13
EVADNE SPP	23.5	2	0.09	74.13
PARACALANUS CRASSIROSTRIS AF	26.0	1	0.05	37.06
POLYCHAETE LARVAE	26.0	1	0.05	37.06
TEMORA LONGICORNIS AM	26.0	1	0.05	37.06
TOTALS	27	2115	100	78391.42

- DATA NOT TAKEN

STATION 144	SERIES 6	CAST 58	DATE 28 AUG 77	LATITUDE 40 46.3 N	LONGITUDE 72 30.6 W
	START TIME 2030	FINISH TIME 2121	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 25.0	SAMPLE TIME 2116	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 327

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	875	55.34	27742.55
COPEPOD NAUPLII	2.0	450	28.46	14267.60
PSEUDOCALANUS SP C	3.0	58	3.67	1838.93
COPEPODIDS UNID	4.0	36	2.28	1141.41
PSEUDOCALANUS SP AF	5.0	26	1.64	824.35
PTEROPODS	6.0	20	1.27	634.12
PARACALANUS PARVUS C	7.0	17	1.08	539.00
PARACALANUS PARVUS AM	8.0	14	0.89	443.88
PARACALANUS CRASSIROSTRIS AM	9.0	13	0.82	412.17
PSEUDOCALANUS SP AM	10.5	11	0.70	348.76
PARACALANUS PARVUS AF	10.5	11	0.70	348.76
MICROSETELLA NORVEGICA	12.0	10	0.63	317.06
PARACALANUS CRASSIROSTRIS C	13.0	8	0.51	253.65
PARACALANUS CRASSIROSTRIS AF	14.0	7	0.44	221.94
ONCAEA SPP	15.5	5	0.32	158.53
BIVALVE LARVAE	15.5	5	0.32	158.53
TEMORA LONGICORNIS C	18.0	3	0.19	95.12
CENTROPAGES TYPICUS C	18.0	3	0.19	95.12
EURYTEMORA SP	18.0	3	0.19	95.12
CENTROPAGES HAMATUS	20.0	2	0.13	63.41
CALANUS SPP C	22.5	1	0.06	31.71
ACARTIA SPP C	22.5	1	0.06	31.71
ECTOPROCT LARVAE	22.5	1	0.06	31.71
ANTHOZOA LARVAE	22.5	1	0.06	31.71
TOTALS	24	1581	100	50126.82

- DATA NOT TAKEN

STATION 145	SERIES 6	CAST 59	DATE 28 AUG 77	LATITUDE 40 46.3 N	LONGITUDE 72 30.7 W
	START TIME 2348	FINISH TIME 0038	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 2348	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 328

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS - - - - -	1.0	640	28.74	20291.69
COPEPOD NAUPLII - - - - -	2.0	630	28.29	19974.63
CENTROPAGES TYPICUS C - - - - -	3.0	265	11.90	8402.03
PENILIA - - - - -	4.0	210	9.43	6658.21
COPEPODIDS UNID - - - - -	5.0	97	4.36	3075.46
PARACALANUS PARVUS C - - - - -	6.0	95	4.27	3012.05
PARACALANUS PARVUS AF - - - - -	7.5	37	1.66	1173.11
BIVALVE LARVAE - - - - -	7.5	37	1.66	1173.11
ACARTIA SPP C - - - - -	9.0	29	1.30	919.47
PARACALANUS CRASSIROSTRIS AF - - - - -	10.0	27	1.21	856.06
CENTROPAGES TYPICUS AM - - - - -	11.0	19	0.85	602.41
ACARTIA LONGIREMIS - - - - -	12.5	17	0.76	539.00
LARVACEAN - - - - -	12.5	17	0.76	539.00
CENTROPAGES TYPICUS AF - - - - -	14.0	16	0.72	507.29
EVAONE SPP - - - - -	15.0	13	0.58	412.17
DOLICLIDS - - - - -	16.0	12	0.54	380.47
PARACALANUS CRASSIROSTRIS C - - - - -	17.0	11	0.49	348.76
PARACALANUS PARVUS AM - - - - -	18.0	10	0.45	317.06
PSEUDOCALANUS SP C - - - - -	19.0	9	0.40	285.35
CENTROPAGES HAMATUS - - - - -	20.0	7	0.31	221.94
PTEROPODS - - - - -	21.5	6	0.27	190.23
ECTOPROCT LARVAE - - - - -	21.5	6	0.27	190.23
LABIDOCERA SP - - - - -	24.0	4	0.18	126.82
PARACALANUS CRASSIROSTRIS AM - - - - -	24.0	4	0.18	126.82
PODON SPP - - - - -	24.0	4	0.18	126.82
PSEUDOCALANUS SP AF - - - - -	26.5	2	0.09	63.41
POLYCHAETE LARVAE - - - - -	26.5	2	0.09	63.41
ONCAEA VENUSTA - - - - -	28.0	1	0.04	31.71
TOTALS	28	2227	100	70608.73

- DATA NOT TAKEN

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
145	6	59	28 AUG 77	40 46.3 N	72 30.7 W
	START TIME 2348	FINISH TIME 0038	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 2357	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0056	VOLUME COUNT 0.0213	SAMPLE NUMBER 329

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPOD NAUPLII	1.0	640	30.92	30075.19
OITHONA SIMILIS	2.0	555	26.81	26080.83
PENILIA	3.0	225	10.87	10573.31
CENTROPAGES TYPICUS C	4.0	220	10.63	10338.35
COPEPODIDS UNID	5.0	108	5.22	5075.19
PARACALANUS PARVUS C	6.0	82	3.96	3853.38
EVAONE SPP	7.0	30	1.45	1409.77
CENTROPAGES TYPICUS AM	8.5	29	1.40	1362.78
BIVALVE LARVAE	8.5	29	1.40	1362.78
ACARTIA SPP C	10.0	24	1.16	1127.82
PARACALANUS PARVUS AF	11.0	22	1.06	1033.83
ACARTIA LONGIREMIS	12.0	19	0.92	892.86
CENTROPAGES TYPICUS AF	13.0	18	0.87	845.86
PARACALANUS CRASSIROSTRIS AF	14.0	14	0.68	657.89
DOLIOLIDS	15.0	11	0.53	516.92
PARACALANUS PARVUS AM	16.5	10	0.48	469.92
PARACALANUS CRASSIROSTRIS C	16.5	10	0.48	469.92
LARVACEAN	18.0	7	0.34	328.95
PTEROPODS	19.0	5	0.24	234.96
POLYCHAETE LARVAE	20.0	3	0.14	140.98
PARACALANUS CRASSIROSTRIS AM	22.5	2	0.10	93.98
PODON SPP	22.5	2	0.10	93.98
PSEUDOCALANUS SP AF	22.5	2	0.10	93.98
CENTROPAGES HAMATUS	22.5	2	0.10	93.98
LABIDOCERA SP	25.0	1	0.05	46.99
TOTALS	25	2070	100	97274.43

- DATA NOT TAKEN

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
145	6	59	28 AUG 77	40 46.3 N	72 30.7 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	2348	0038	28	70	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
10.0	0006	3.80	0.0071	0.0270	330

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	1110	33.96	41141.59
COPEPOD NAUPLII	2.0	650	19.88	24091.92
PENILIA	3.0	450	13.77	16679.02
CENTROPAGES TYPICUS C	4.0	310	9.48	11489.99
COPEPODIDS UNID	5.0	202	6.18	7487.03
PARACALANUS PARVUS C	6.0	71	2.17	2631.58
PARACALANUS CRASSIROSTRIS AF	7.0	63	1.93	2335.06
BIVALVE LARVAE	8.0	58	1.77	2149.74
ACARTIA SPP C	9.5	43	1.32	1593.77
EVADNE SPP	9.5	43	1.32	1593.77
CENTROPAGES TYPICUS AM	11.0	42	1.28	1556.71
ACARTIA LONGIREMIS	12.5	40	1.22	1482.58
CENTROPAGES TYPICUS AF	12.5	40	1.22	1482.58
DOLIOLIDS	14.0	33	1.01	1223.13
LARVACEAN	15.5	22	0.67	815.42
PARACALANUS CRASSIROSTRIS C	15.5	22	0.67	815.42
PARACALANUS PARVUS AF	17.0	18	0.55	667.16
PARACALANUS PARVUS AM	18.0	13	0.40	481.84
PARACALANUS CRASSIROSTRIS AM	19.0	10	0.31	370.64
POLYCHAETE LARVAE	20.0	8	0.24	296.52
PTEROPODS	21.0	7	0.21	259.45
PSEUDOCALANUS SP C	22.5	4	0.12	148.26
PODON SPP	22.5	4	0.12	148.26
PSEUDOCALANUS SP AF	24.0	3	0.09	111.19
BARNACLE NAUPLII	25.0	2	0.06	74.13
CENTROPAGES HAMATUS	26.0	1	0.03	37.06
TOTALS				
	26	3269	100	121163.93
- DATA NOT TAKEN				

STATION 145	SERIES 6	CAST 59	DATE 28 AUG 77	LATITUDE 40 46.3 N	LONGITUDE 72 30.7 W
	START TIME 2348	FINISH TIME 0038	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 0015	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0071	VOLUME COUNT 0.0270	SAMPLE NUMBER 331

S P E C I E S	RANK COUNTS %			NO./M3
COPEPOD NAUPLII	1.0	1095	37.73	40585.62
OITHONA SIMILIS	2.0	770	26.53	28539.66
PSEUDOCALANUS SP C	3.0	360	12.41	13343.22
COPEPODIDS UNID	4.0	192	6.62	7116.38
PARACALANUS PARVUS C	5.0	108	3.72	4002.96
CENTROPAGES TYPICUS C	6.0	93	3.20	3447.00
PSEUDOCALANUS SP AF	7.0	68	2.34	2520.39
BIVALVE LARVAE	8.0	59	2.03	2186.80
PARACALANUS PARVUS AM	9.0	20	0.69	741.29
PARACALANUS PARVUS AF	10.0	19	0.65	704.23
MICROSETELLA NORVEGICA	11.0	17	0.59	630.10
PSEUDOCALANUS SP AM	12.0	16	0.55	593.03
ECTOPROCT LARVAE	13.0	14	0.48	518.90
EVADNE SPP	14.0	12	0.41	444.77
CENTROPAGES TYPICUS AF	15.0	11	0.38	407.71
CENTROPAGES TYPICUS AM	16.5	10	0.34	370.64
LARVACEAN	16.5	10	0.34	370.64
PTEROPODS	18.0	5	0.17	185.32
PENILIA	19.0	4	0.14	148.26
TEMORA SPP	21.5	3	0.10	111.19
PARACALANUS CRASSIROSTRIS C	21.5	3	0.10	111.19
ACARTIA LONGIREMIS	21.5	3	0.10	111.19
POLYCHAETE LARVAE	21.5	3	0.10	111.19
ACARTIA SPP C	25.0	2	0.07	74.13
CENTROPAGES HAMATUS	25.0	2	0.07	74.13
DOLIOLIDS	25.0	2	0.07	74.13
POLYCHAETE LAR EAR	27.0	1	0.03	37.06
TOTALS	27	2902	100	107561.18

- DATA NOT TAKEN

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
145	6	59	28 AUG 77	40 46.3 N	72 30.7 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	2348	0038	28	70	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
20.0	0024	3.80	0.0071	0.0270	332

S P E C I E S	RANK COUNTS %			NO./M3	
OITHONA SIMILIS	- - - - -	1.0	1585	56.63	58747.22
COPEPOD NAUPLII	- - - - -	2.0	650	23.22	24091.92
PSEUDOCALANUS SP C	- - - - -	3.0	135	4.82	5003.71
COPEPODIDS UNID	- - - - -	4.0	132	4.72	4892.51
PSEUDOCALANUS SP AF	- - - - -	5.0	52	1.86	1927.35
BIVALVE LARVAE	- - - - -	6.0	45	1.61	1667.90
MICROSETELLA NORVEGICA	- - - - -	7.0	33	1.18	1223.13
PSEUDOCALANUS SP AM	- - - - -	8.0	30	1.07	1111.93
PARACALANUS PARVUS C	- - - - -	9.0	25	0.89	926.61
ECTOPROCT LARVAE	- - - - -	10.0	22	0.79	815.42
PARACALANUS PARVUS AM	- - - - -	11.0	21	0.75	778.35
CENTROPAGES TYPICUS C	- - - - -	12.0	15	0.54	555.97
PTEROPODS	- - - - -	13.0	9	0.32	333.58
PARACALANUS PARVUS AF	- - - - -	14.5	7	0.25	259.45
PENILIA	- - - - -	14.5	7	0.25	259.45
LARVACEAN	- - - - -	16.0	6	0.21	222.39
CENTROPAGES TYPICUS AF	- - - - -	18.0	4	0.14	148.26
CENTROPAGES HAMATUS	- - - - -	18.0	4	0.14	148.26
CHAETOGNATHS	- - - - -	18.0	4	0.14	148.26
CENTROPAGES TYPICUS AM	- - - - -	20.0	3	0.11	111.19
PARACALANUS CRASSIROSTRIS C	- -	22.0	2	0.07	74.13
ONCAEA SPP	- - - - -	22.0	2	0.07	74.13
TEMORA LONGICORNIS AM	- - - - -	22.0	2	0.07	74.13
PARACALANUS CRASSIROSTRIS AM	- -	25.5	1	0.04	37.06
OITHONA ATLANTICA	- - - - -	25.5	1	0.04	37.06
PODON SPP	- - - - -	25.5	1	0.04	37.06
POLYCHAETE LARVAE	- - - - -	25.5	1	0.04	37.06
TOTALS		27	2799	100	103743.52

- DATA NOT TAKEN

STATION 145	SERIES 6	CAST 59	DATE 28 AUG 77	LATITUDE 40 46.3 N	LONGITUDE 72 30.7 W
	START TIME 2348	FINISH TIME 0038	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 25.0	SAMPLE TIME 0033	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0200	VOLUME COUNT 0.0760	SAMPLE NUMBER 333

S P E C I E S	RANK	COUNTS	%	NO./M3
COPEPOD NAUPLII	1.0	685	37.70	9013.16
OITHONA SIMILIS	2.0	460	25.32	6052.63
COPEPODIDS UNID	3.0	135	7.43	1776.32
PSEUDOCALANUS SP C	4.0	133	7.32	1750.00
PSEUDOCALANUS SP AF	5.0	102	5.61	1342.11
PARACALANUS PARVUS AF	6.0	57	3.14	750.00
PSEUDOCALANUS SP AM	7.0	49	2.70	644.74
ECTOPROCT LARVAE	8.0	29	1.60	381.58
PARACALANUS PARVUS AM	9.0	27	1.49	355.26
MICROSETELLA NORVEGICA	10.0	21	1.16	276.32
PTEROPODS	11.0	20	1.10	263.16
PARACALANUS PARVUS C	12.0	15	0.83	197.37
CENTROPAGES HAMATUS	13.0	13	0.72	171.05
CENTROPAGES TYPICUS AM	14.0	9	0.50	118.42
BIVALVE LARVAE	15.5	8	0.44	105.26
CENTROPAGES TYPICUS C	15.5	8	0.44	105.26
CHAETOGNATHS	17.0	6	0.33	78.95
ACARTIA LONGIREMIS	19.0	5	0.28	65.79
CENTROPAGES TYPICUS AF	19.0	5	0.28	65.79
PARACALANUS CRASSIROSTRIS C	19.0	5	0.28	65.79
ONCAEA SPP	21.0	4	0.22	52.63
PARACALANUS CRASSIROSTRIS AM	23.5	3	0.17	39.47
TEMORA LONGICORNIS C	23.5	3	0.17	39.47
PARACALANUS CRASSIROSTRIS AF	23.5	3	0.17	39.47
PENILIA	23.5	3	0.17	39.47
ANTHOZOA LARVAE	26.0	2	0.11	26.32
ONCAEA VENUSTA	30.0	1	0.06	13.16
TEMORA LONGICORNIS AM	30.0	1	0.06	13.16
EVADNE SPP	30.0	1	0.06	13.16
PODON SPP	30.0	1	0.06	13.16
MYSID LARVAE	30.0	1	0.06	13.16
LARVACEAN	30.0	1	0.06	13.16
GAMMARIDS	30.0	1	0.06	13.16
TOTALS	33	1817	100	23907.90

- DATA NOT TAKEN

STATION 146	SERIES 6	CAST 60	DATE 29 AUG 77	LATITUDE 40 46.4 N	LONGITUDE 72 30.8 W
	START TIME 0400	FINISH TIME 0440	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 1.0	SAMPLE TIME 0400	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 334

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS - - - - -	1.0	690	35.37	21876.98
COPEPOD NAUPLII - - - - -	2.0	450	23.07	14267.60
COPEPOIDS UNID - - - - -	3.0	210	10.76	6658.21
CENTROPAGES TYPICUS C - - - - -	4.0	135	6.92	4280.28
PENILIA - - - - -	5.0	117	6.00	3709.57
PARACALANUS PARVUS C - - - - -	6.0	68	3.49	2155.99
PARACALANUS CRASSIROSTRIS AF - - -	7.0	47	2.41	1490.17
CENTROPAGES TYPICUS AM - - - - -	8.0	38	1.95	1204.82
BIVALVE LARVAE - - - - -	9.0	29	1.49	919.47
ACARTIA SPP C - - - - -	10.0	25	1.28	792.64
ACARTIA LONGIREMIS - - - - -	11.0	24	1.23	760.94
PARACALANUS CRASSIROSTRIS C - - -	12.0	21	1.08	665.82
PARACALANUS PARVUS AF - - - - -	13.0	19	0.97	602.41
EVADNE SPP - - - - -	14.0	17	0.87	539.00
CENTROPAGES TYPICUS AF - - - - -	15.0	16	0.82	507.29
PTEROPODS - - - - -	16.0	12	0.62	380.47
LARVACEAN - - - - -	17.0	10	0.51	317.06
PARACALANUS PARVUS AM - - - - -	18.0	6	0.31	190.23
PSEUDOCALANUS SP AF - - - - -	19.5	4	0.21	126.82
PARACALANUS CRASSIROSTRIS AM - - -	19.5	4	0.21	126.82
PSEUDOCALANUS SP C - - - - -	22.0	2	0.10	63.41
CENTROPAGES HAMATUS - - - - -	22.0	2	0.10	63.41
DOLIOLIDS - - - - -	22.0	2	0.10	63.41
LABIDOCERA SP - - - - -	25.0	1	0.05	31.71
MICROSETELLA NORVEGICA - - - - -	25.0	1	0.05	31.71
ECTOPROCT LARVAE - - - - -	25.0	1	0.05	31.71
TOTALS	26	1951	100	61857.96

- DATA NOT TAKEN

STATION 146	SERIES 6	CAST 60	DATE 29 AUG 77	LATITUDE 40 46.4 N	LONGITUDE 72 30.8 W
	START TIME 0400	FINISH TIME 0440	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 0407	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 335

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	1550	49.04	40789.47
COPEPOD NAUPLII	2.0	560	17.72	14736.84
PENILIA	3.0	215	6.80	5657.89
COPEPODIDS UNID	4.0	172	5.44	4526.32
CENTROPAGES TYPICUS C	5.0	130	4.11	3421.05
PARACALANUS PARVUS C	6.0	105	3.32	2763.16
EVADNE SPP	7.0	65	2.06	1710.53
BIVALVE LARVAE	8.0	55	1.74	1447.37
CENTROPAGES TYPICUS AM	9.0	53	1.68	1394.74
PARACALANUS CRASSIROSTRIS AF	10.0	45	1.42	1184.21
ACARTIA SPP C	11.0	40	1.27	1052.63
ACARTIA LONGIREMIS	12.0	32	1.01	842.11
PARACALANUS PARVUS AF	13.0	25	0.79	657.89
CENTROPAGES TYPICUS AF	14.0	19	0.60	500.00
PARACALANUS CRASSIROSTRIS C	15.0	18	0.57	473.68
PARACALANUS PARVUS AM	16.0	14	0.44	368.42
PTEROPODS	18.0	13	0.41	342.11
PARACALANUS CRASSIROSTRIS AM	18.0	13	0.41	342.11
DOLIOLIDS	18.0	13	0.41	342.11
PSEUDOCALANUS SP AF	20.0	6	0.19	157.89
PSEUDOCALANUS SP C	21.0	4	0.13	105.26
POLYCHAETE LARVAE	22.0	3	0.09	78.95
CENTROPAGES HAMATUS	24.0	2	0.06	52.63
DECAPOD LARVAE	24.0	2	0.06	52.63
PODON SPP	24.0	2	0.06	52.63
MICROSETELLA NORVEGICA	28.0	1	0.03	26.32
ONCAEA SPP	28.0	1	0.03	26.32
EURYTEMORA SP	28.0	1	0.03	26.32
LABIDOCERA SP	28.0	1	0.03	26.32
FISH EGGS	28.0	1	0.03	26.32
TOTALS	30	3161	100	83184.19

- DATA NOT TAKEN

STATION 146	SERIES 6	CAST 60	DATE 29 AUG 77	LATITUDE 40 46.4 N	LONGITUDE 72 30.8 W
	START TIME 0400	FINISH TIME 0440	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 0414	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 336

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS - - - - -	1.0	680	28.99	21559.92
COPEPOD NAUPLII - - - - -	2.0	665	28.35	21084.34
CENTROPAGES TYPICUS C - - - - -	3.0	225	9.59	7133.80
BIVALVE LARVAE - - - - -	4.0	220	9.38	6975.27
PENILIA - - - - -	5.0	125	5.33	3963.22
COPEPODIDS UNID - - - - -	6.0	120	5.12	3804.69
PSEUDOCALANUS SP C - - - - -	7.0	83	3.54	2631.58
DOLIOLIDS - - - - -	8.0	41	1.75	1299.94
PSEUDOCALANUS SP AF - - - - -	9.0	31	1.32	982.88
EVADNE SPP - - - - -	10.0	29	1.24	919.47
PARACALANUS PARVUS C - - - - -	11.0	17	0.72	539.00
PAPACALANUS CRASSIROSTRIS C - - -	12.5	13	0.55	412.17
ACARTIA LONGIREMIS - - - - -	12.5	13	0.55	412.17
ACARTIA SPP C - - - - -	14.5	11	0.47	348.76
PARACALANUS PARVUS AM - - - - -	14.5	11	0.47	348.76
POLYCHAETE LARVAE - - - - -	16.5	9	0.38	285.35
CENTROPAGES TYPICUS AF - - - - -	16.5	9	0.38	285.35
CENTROPAGES TYPICUS AM - - - - -	18.0	7	0.30	221.94
PARACALANUS CRASSIROSTRIS AM - -	20.0	6	0.26	190.23
LARVACEAN - - - - -	20.0	6	0.26	190.23
PTEROPODS - - - - -	20.0	6	0.26	190.23
PARACALANUS CRASSIROSTRIS AF - -	22.0	5	0.21	158.53
PARACALANUS PARVUS AF - - - - -	23.5	3	0.13	95.12
PODON SPP - - - - -	23.5	3	0.13	95.12
ECTOPROCT LARVAE - - - - -	25.0	2	0.09	63.41
PSEUDOCALANUS SP AM - - - - -	28.5	1	0.04	31.71
ONCAEA SPP - - - - -	28.5	1	0.04	31.71
CENTROPAGES HAMATUS - - - - -	28.5	1	0.04	31.71
TEMORA LONGICORNIS AM - - - - -	28.5	1	0.04	31.71
MICROSETELLA NORVEGICA - - - - -	28.5	1	0.04	31.71
DECAPOD LARVAE - - - - -	28.5	1	0.04	31.71
TOTALS	31	2346	100	74381.72

- DATA NOT TAKEN

STATION 146	SERIES 6	CAST 60	DATE 29 AUG 77	LATITUDE 40 46.4 N	LONGITUDE 72 30.8 W
	START TIME 0400	FINISH TIME 0440	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 0421	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 337

S P E C I E S		RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	- - - - -	1.0	830	41.25	26315.79
COPEPOD NAUPLII	- - - - -	2.0	425	21.12	13474.95
PSEUDOCALANUS SP C	- - - - -	3.0	300	14.91	9511.73
COPEPODIDS UNID	- - - - -	4.0	120	5.96	3804.69
PSEUDOCALANUS SP AF	- - - - -	5.0	65	3.23	2060.88
PARACALANUS PARVUS C	- - - - -	6.0	51	2.53	1616.99
CENTROPAGES TYPICUS C	- - - - -	7.0	42	2.09	1331.64
PENILIA	- - - - -	8.0	35	1.74	1109.70
BIVALVE LARVAE	- - - - -	9.0	23	1.14	729.23
LARVACEAN	- - - - -	10.0	20	0.99	634.12
PSEUDOCALANUS SP AM	- - - - -	11.0	19	0.94	602.41
PARACALANUS PARVUS AF	- - - - -	12.0	17	0.84	539.00
EVADNE SPP	- - - - -	13.0	15	0.75	475.59
ECTOPROCT LARVAE	- - - - -	14.0	11	0.55	348.76
MICROSETELLA NORVEGICA	- - - - -	15.0	9	0.45	285.35
PARACALANUS PARVUS AM	- - - - -	16.0	8	0.40	253.65
CENTROPAGES TYPICUS AF	- - - - -	17.0	5	0.25	158.53
PTEROPODS	- - - - -	19.0	3	0.15	95.12
CENTROPAGES TYPICUS AM	- - - - -	19.0	3	0.15	95.12
ACARTIA SPP C	- - - - -	19.0	3	0.15	95.12
PARACALANUS CRASSIROSTRIS C	- - - - -	22.0	2	0.10	63.41
TEMORA SPP	- - - - -	22.0	2	0.10	63.41
DOLIOLIDS	- - - - -	22.0	2	0.10	63.41
EURYTEMORA SP	- - - - -	24.5	1	0.05	31.71
POLYCHAETE LARVAE	- - - - -	24.5	1	0.05	31.71
	TOTALS	25	2012	100	63792.00
- DATA NOT TAKEN					

STATION 146	SERIES 6	CAST 60	DATE 29 AUG 77	LATITUDE 40 46.4 N	LONGITUDE 72 30.8 W
	START TIME 0400	FINISH TIME 0440	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 0428	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0062	VOLUME COUNT 0.0236	SAMPLE NUMBER 338

S P E C I E S	RANK COUNTS %			NO. /M3
OITHONA SIMILIS - - - - -	1.0	600	46.19	25466.89
COPEPOD NAUPLII - - - - -	2.0	340	26.17	14431.24
PSEUDOCALANUS SP C - - - - -	3.0	130	10.01	5517.83
ECTOPROCT LARVAE - - - - -	4.0	38	2.93	1612.90
COPEPODIDS UNID - - - - -	5.0	28	2.16	1188.45
PSEUDOCALANUS SP AF - - - - -	6.0	27	2.08	1146.01
PSEUDOCALANUS SP AM - - - - -	7.5	21	1.62	891.34
PARACALANUS PARVUS AF - - - - -	7.5	21	1.62	891.34
PENILIA - - - - -	9.5	14	1.08	594.23
BIVALVE LARVAE - - - - -	9.5	14	1.08	594.23
CENTROPAGES TYPICUS C - - - - -	11.0	13	1.00	551.78
PARACALANUS PARVUS C - - - - -	12.0	12	0.92	509.34
PARACALANUS PARVUS AM - - - - -	13.0	11	0.85	466.89
CENTROPAGES HAMATUS - - - - -	14.5	5	0.38	212.22
PARACALANUS CRASSIROSTRIS AF - - -	14.5	5	0.38	212.22
CHAETOGNATHS - - - - -	16.0	4	0.31	169.78
MICROSETELLA NORVEGICA - - - - -	17.5	3	0.23	127.33
DOLIOLIDS - - - - -	17.5	3	0.23	127.33
EVAONE SPP - - - - -	20.0	2	0.15	84.89
LARVACEAN - - - - -	20.0	2	0.15	84.89
PTEROPODS - - - - -	20.0	2	0.15	84.89
PARACALANUS CRASSIROSTRIS C - - -	23.5	1	0.08	42.44
POLYCHAETE LARVAE - - - - -	23.5	1	0.08	42.44
CALANUS SPP C - - - - -	23.5	1	0.08	42.44
ONCAEA SPP - - - - -	23.5	1	0.08	42.44

TOTALS	25	1299	100	55135.82
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- DATA NOT TAKEN

STATION 146	SERIES 6	CAST 60	DATE 29 AUG 77	LATITUDE 40 46.4 N	LONGITUDE 72 30.8 W
	START TIME 0400	FINISH TIME 0440	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 25.0	SAMPLE TIME 0435	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0200	VOLUME COUNT 0.0760	SAMPLE NUMBER 339

SPECIES	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	595	35.08	7828.95
COPEPOD NAUPLII	2.0	585	34.49	7697.37
PSEUDOCALANUS SP C	3.0	175	10.32	2302.63
COPEPODIDS UNID	4.0	65	3.83	855.26
PENILIA	5.0	42	2.48	552.63
PSEUDOCALANUS SP AF	6.0	36	2.12	473.68
PSEUDOCALANUS SP AM	7.0	35	2.06	460.53
PARACALANUS PARVUS AF	8.0	27	1.59	355.26
CENTROPAGES HAMATUS	9.0	26	1.53	342.11
PARACALANUS PARVUS AM	10.0	23	1.36	302.63
PARACALANUS PARVUS C	11.5	13	0.77	171.05
MICROSETELLA NORVEGICA	11.5	13	0.77	171.05
CENTROPAGES TYPICUS C	13.0	7	0.41	92.11
DOLIOLIDS	14.0	6	0.35	78.95
PARACALANUS CRASSIROSTRIS C	15.5	5	0.29	65.79
EURYTEMORA SP	15.5	5	0.29	65.79
ONCAEA SPP	19.5	4	0.24	52.63
ACARTIA LONGIREMIS	19.5	4	0.24	52.63
PTEROPODS	19.5	4	0.24	52.63
PARACALANUS CRASSIROSTRIS AF	19.5	4	0.24	52.63
ANTHOZOA LARVAE	19.5	4	0.24	52.63
PARACALANUS CRASSIROSTRIS AM	19.5	4	0.24	52.63
CHAETOGNATHS	23.0	3	0.18	39.47
EVAONE SPP	25.0	2	0.12	26.32
CENTROPAGES TYPICUS AM	25.0	2	0.12	26.32
EUTERPINA SP	25.0	2	0.12	26.32
TORTANUS DISCAUDATUS	29.0	1	0.06	13.16
TEMORA SPP	29.0	1	0.06	13.16
CENTROPAGES TYPICUS AF	29.0	1	0.06	13.16
ACARTIA SPP C	29.0	1	0.06	13.16
BIVALVE LARVAE	29.0	1	0.06	13.16
TOTALS	31	1696	100	22315.79

- DATA NOT TAKEN

STATION	SERIES	CAST	DATE	LATITUDE	LONGITUDE
147	6	61	29 AUG 77	40 46.4 N	72 30.9 W
	START TIME	FINISH TIME	SONIC DEPTH	NET MESH	
	0807	0858	28	70	
SAMPLE DEPTH	SAMPLE TIME	VOLUME SAMPLE	FRACTION COUNT	VOLUME COUNT	SAMPLE NUMBER
1.0	0807	3.80	0.0100	0.0380	340

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	795	38.76	20921.05
COPEPOD NAUPLII	2.0	440	21.45	11578.95
PENILIA	3.0	192	9.36	5052.63
CENTROPAGES TYPICUS C	4.0	188	9.17	4947.37
COPEPODIDS UNID	5.5	112	5.46	2947.37
PARACALANUS PARVUS C	5.5	112	5.46	2947.37
PARACALANUS PARVUS AF	7.5	31	1.51	815.79
EVADNE SPP	7.5	31	1.51	815.79
BIVALVE LARVAE	9.0	23	1.12	605.26
CENTROPAGES TYPICUS AM	10.0	19	0.93	500.00
ACARTIA SPP C	11.0	17	0.83	447.37
ACARTIA LONGIREMIS	12.5	12	0.59	315.79
PARACALANUS PARVUS AM	12.5	12	0.59	315.79
CENTROPAGES HAMATUS	14.0	11	0.54	289.47
CENTROPAGES TYPICUS AF	15.0	10	0.49	263.16
MICROSETELLA NORVEGICA	16.5	8	0.39	210.53
LARVACEAN	16.5	8	0.39	210.53
PARACALANUS CRASSIROSTRIS C	18.0	6	0.29	157.89
PARACALANUS CRASSIROSTRIS AF	19.0	5	0.24	131.58
PSEUDOCALANUS SP C	20.0	4	0.20	105.26
PARACALANUS CRASSIROSTRIS AM	22.5	3	0.15	78.95
PSEUDOCALANUS SP AF	22.5	3	0.15	78.95
PSEUDOCALANUS SP AM	22.5	3	0.15	78.95
DOLIOLIDS	22.5	3	0.15	78.95
PTEROPODS	26.0	1	0.05	26.32
ECTOPROCT LARVAE	26.0	1	0.05	26.32
LABIDOCERA SP	26.0	1	0.05	26.32
TOTALS	27	2051	100	53973.68

- DATA NOT TAKEN

STATION 147	SERIES 6	CAST 61	DATE 29 AUG 77	LATITUDE 40 46.4 N	LONGITUDE 72 30.9 W
	START TIME 0807	FINISH TIME 0858	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 5.0	SAMPLE TIME 0818	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0100	VOLUME COUNT 0.0380	SAMPLE NUMBER 341

S P E C I E S	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	820	35.30	21578.95
COPEPOD NAUPLII	2.0	725	31.21	19078.95
PENILIA	3.0	155	6.67	4078.95
COPEPODIDS UNID	4.0	145	6.24	3815.79
CENTROPAGES TYPICUS C	5.0	140	6.03	3684.21
BIVALVE LARVAE	6.0	78	3.36	2052.63
PARACALANUS PARVUS C	7.0	53	2.28	1394.74
DOLIOLIDS	8.0	47	2.02	1236.84
EVADNE SPP	9.5	25	1.08	657.89
PARACALANUS PARVUS AF	9.5	25	1.08	657.89
PSEUDOCALANUS SP C	11.0	16	0.69	421.05
ACARTIA SPP C	12.0	15	0.65	394.74
PARACALANUS CRASSIROSTRIS AF	13.5	9	0.39	236.84
PARACALANUS CRASSIROSTRIS C	13.5	9	0.39	236.84
CENTROPAGES TYPICUS AF	15.5	8	0.34	210.53
PTEROPODS	15.5	8	0.34	210.53
PARACALANUS PARVUS AM	17.5	7	0.30	184.21
PSEUDOCALANUS SP AF	17.5	7	0.30	184.21
ACARTIA LONGIREMIS	19.5	6	0.26	157.89
PARACALANUS CRASSIROSTRIS AM	19.5	6	0.26	157.89
LARVACEAN	22.0	4	0.17	105.26
ECTOPROCT LARVAE	22.0	4	0.17	105.26
CENTROPAGES TYPICUS AM	22.0	4	0.17	105.26
POLYCHAETE LARVAE	24.0	3	0.13	78.95
CALOCALANUS	26.5	1	0.04	26.32
ONCAEA SPP	26.5	1	0.04	26.32
LABIDOCERA SP	26.5	1	0.04	26.32
LABIDOCERA AESTIVA	26.5	1	0.04	26.32
TOTALS	28	2323	100	61131.58

- DATA NOT TAKEN

STATION 147	SERIES 6	CAST 61	DATE 29 AUG 77	LATITUDE 40 46.4 N	LONGITUDE 72 30.9 W
	START TIME 0807	FINISH TIME 0858	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 10.0	SAMPLE TIME 0825	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 342

SPECIES	RANK	COUNTS	%	NO./M3
OITHONA SIMILIS	1.0	830	46.09	26315.79
COPEPOD NAUPLII	2.0	460	25.54	14584.65
CENTROPAGES TYPICUS C	3.0	140	7.77	4438.81
BIVALVE LARVAE	4.0	79	4.39	2504.76
DOLIOLIDS	5.0	65	3.61	2060.88
COPEPODIDS UNID	6.0	64	3.55	2029.17
PENILIA	7.0	59	3.28	1870.64
PSEUDOCALANUS SP AF	8.0	16	0.89	507.29
PARACALANUS PARVUS C	9.0	14	0.78	443.88
PTEROPODS	10.0	10	0.56	317.06
PARACALANUS CRASSIROSTRIS C	12.0	8	0.44	253.65
EVADNE SPP	12.0	8	0.44	253.65
PARACALANUS PARVUS AM	12.0	8	0.44	253.65
PSEUDOCALANUS SP C	14.0	7	0.39	221.94
CENTROPAGES TYPICUS AM	15.5	6	0.33	190.23
PARACALANUS PARVUS AF	15.5	6	0.33	190.23
ACARTIA LONGIREMIS	18.5	3	0.17	95.12
POLYCHAETE LARVAE	18.5	3	0.17	95.12
ECTOPROCT LARVAE	18.5	3	0.17	95.12
CENTROPAGES TYPICUS AF	18.5	3	0.17	95.12
LARVACEAN	22.0	2	0.11	63.41
ACARTIA SPP C	22.0	2	0.11	63.41
PARACALANUS CRASSIROSTRIS AM	22.0	2	0.11	63.41
CENTROPAGES HAMATUS	25.0	1	0.06	31.71
ONCAEA SPP	25.0	1	0.06	31.71
ANTHOZOA LARVAE	25.0	1	0.06	31.71
TOTALS	26	1801	100	57102.08

- DATA NOT TAKEN

STATION 147	SERIES 6	CAST 61	DATE 29 AUG 77	LATITUDE 40 46.4 N	LONGITUDE 72 30.9 W
	START TIME 0807	FINISH TIME 0858	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 15.0	SAMPLE TIME 0835	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 343

S P E C I E S	RANK COUNTS %			NO./M3	
OITHONA SIMILIS	- - - - -	1.0	720	35.75	22828.15
COPEPOD NAUPLII	- - - - -	2.0	580	28.80	18389.35
PARACALANUS PARVUS C	- - - - -	3.0	122	6.06	3868.10
CENTROPAGES TYPICUS C	- - - - -	4.0	115	5.71	3646.16
PSEUDOCALANUS SP C	- - - - -	5.0	110	5.46	3487.63
PARACALANUS PARVUS AF	- - - - -	6.0	83	4.12	2631.58
PSEUDOCALANUS SP AF	- - - - -	7.0	81	4.02	2568.17
COPEPODIDS UNID	- - - - -	8.0	62	3.08	1965.76
BIVALVE LARVAE	- - - - -	9.0	29	1.44	919.47
PENILIA	- - - - -	10.0	28	1.39	887.76
LARVACEAN	- - - - -	11.0	18	0.89	570.70
PARACALANUS PARVUS AM	- - - - -	12.5	15	0.74	475.59
ECTOPROCT LARVAE	- - - - -	12.5	15	0.74	475.59
POLYCHAETE LARVAE	- - - - -	14.0	7	0.35	221.94
CENTROPAGES TYPICUS AM	- - - - -	15.5	3	0.15	95.12
CENTROPAGES TYPICUS AF	- - - - -	15.5	3	0.15	95.12
LABIDOCERA SP	- - - - -	21.0	2	0.10	63.41
TEMORA LONGICORNIS AM	- - - - -	21.0	2	0.10	63.41
PTEROPODS	- - - - -	21.0	2	0.10	63.41
MICROSETELLA NORVEGICA	- - - - -	21.0	2	0.10	63.41
CHAETOGNATHS	- - - - -	21.0	2	0.10	63.41
ACARTIA LONGIREMIS	- - - - -	21.0	2	0.10	63.41
ONCAEA SPP	- - - - -	21.0	2	0.10	63.41
PSEUDOCALANUS SP AM	- - - - -	21.0	2	0.10	63.41
PARACALANUS CRASSIROSTRIS C	- - - - -	21.0	2	0.10	63.41
EVAONE SPP	- - - - -	28.0	1	0.05	31.71
CENTROPAGES HAMATUS	- - - - -	28.0	1	0.05	31.71
PARACALANUS CRASSIROSTRIS AF	- - - - -	28.0	1	0.05	31.71
BARNACLE CYPRISES	- - - - -	28.0	1	0.05	31.71
BARNACLE NAUPLII	- - - - -	28.0	1	0.05	31.71
TOTALS		30	2014	100	63855.41

- DATA NOT TAKEN

STATION 147	SERIES 6	CAST 61	DATE 29 AUG 77	LATITUDE 40 46.4 N	LONGITUDE 72 30.9 W
	START TIME 0807	FINISH TIME 0858	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 20.0	SAMPLE TIME 0843	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0083	VOLUME COUNT 0.0315	SAMPLE NUMBER 344

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	820	51.57	25998.73
COPEPOD NAUPLII	2.0	270	16.98	8560.56
COPEPODIDS UNID	3.0	115	7.23	3646.16
PSEUDOCALANUS SP C	4.0	92	5.79	2916.93
PSEUDOCALANUS SP AF	5.0	49	3.28	1553.58
PARACALANUS PARVUS C	6.0	35	2.20	1109.70
PARACALANUS PARVUS AM	7.0	34	2.14	1078.00
CENTROPAGES TYPICUS C	8.0	33	2.08	1046.29
PARACALANUS PARVUS AF	9.0	28	1.76	887.76
BIVALVE LARVAE	10.0	20	1.26	634.12
MICROSETELLA NORVEGICA	11.0	17	1.07	539.00
PTEROPODS	12.5	12	0.75	380.47
ECTOPROCT LARVAE	12.5	12	0.75	380.47
PSEUDOCALANUS SP AM	14.0	11	0.69	348.76
PENILIA	15.0	7	0.44	221.94
POLYCHAETE LARVAE	16.0	6	0.38	190.23
ACARTIA LONGIREMIS	17.0	4	0.25	126.82
PARACALANUS CRASSIROSTRIS AF	20.0	3	0.19	95.12
LARVACEAN	20.0	3	0.19	95.12
ACARTIA SPP C	20.0	3	0.19	95.12
TEMORA LONGICORNIS AM	20.0	3	0.19	95.12
PARACALANUS CRASSIROSTRIS AM	20.0	3	0.19	95.12
CENTROPAGES TYPICUS AF	24.0	2	0.13	63.41
CENTROPAGES HAMATUS	24.0	2	0.13	63.41
EURYTEMORA SP	24.0	2	0.13	63.41
PARACALANUS CRASSIROSTRIS C	27.5	1	0.06	31.71
DECAPOD LARVAE	27.5	1	0.06	31.71
TEMORA LONGICORNIS AF	27.5	1	0.06	31.71
CENTROPAGES TYPICUS AM	27.5	1	0.06	31.71
TOTALS	29	1590	100	50412.18

- DATA NOT TAKEN

STATION 147	SERIES 6	CAST 61	DATE 29 AUG 77	LATITUDE 40 46.4 N	LONGITUDE 72 30.9 W
	START TIME 0807	FINISH TIME 0858	SONIC DEPTH 28	NET MESH 70	
SAMPLE DEPTH 25.0	SAMPLE TIME 0853	VOLUME SAMPLE 3.80	FRACTION COUNT 0.0167	VOLUME COUNT 0.0635	SAMPLE NUMBER 345

S P E C I E S	RANK COUNTS %			NO./M3
OITHONA SIMILIS	1.0	435	22.53	6854.71
CENTROPAGES TYPICUS C	2.0	330	17.09	5200.13
COPEPODIDS UNID	3.0	245	12.69	3860.70
PSEUDOCALANUS SP C	4.0	240	12.43	3781.91
COPEPOD NAUPLII	5.0	215	11.13	3387.96
CENTROPAGES TYPICUS AM	6.0	88	4.56	1386.70
CENTROPAGES TYPICUS AF	7.0	60	3.11	945.48
PSEUDOCALANUS SP AF	8.0	47	2.43	740.62
PARACALANUS PARVUS AF	9.0	44	2.28	693.35
CENTROPAGES HAMATUS	10.5	24	1.24	378.19
ONCAEA SPP	10.5	24	1.24	378.19
PARACALANUS CRASSIROSTRIS AF	12.0	23	1.19	362.43
PARACALANUS PARVUS AM	13.0	21	1.09	330.92
PARACALANUS CRASSIROSTRIS C	14.0	19	0.98	299.40
PSEUDOCALANUS SP AM	15.5	17	0.88	267.89
PARACALANUS CRASSIROSTRIS AM	15.5	17	0.88	267.89
POLYCHAETE LARVAE	17.0	16	0.83	252.13
PTEROPODS	18.0	14	0.73	220.61
MICROSETELLA NORVEGICA	19.0	10	0.52	157.58
EURYTEMORA SP	20.0	9	0.47	141.82
PARACALANUS PARVUS C	21.0	7	0.36	110.31
ANTHOZOA LARVAE	22.0	6	0.31	94.55
BIVALVE LARVAE	23.0	4	0.21	63.03
DECAPOD LARVAE	25.0	3	0.16	47.27
ACARTIA SPP C	25.0	3	0.16	47.27
TEMORA LONGICORNIS AF	25.0	3	0.16	47.27
TEMORA LONGICORNIS AM	27.5	2	0.10	31.52
ACARTIA LONGIREMIS	27.5	2	0.10	31.52
PENILIA	30.0	1	0.05	15.76
ECTOPROCT LARVAE	30.0	1	0.05	15.76
LARVACEAN	30.0	1	0.05	15.76
TOTALS	31	1931	100	30428.62

- DATA NOT TAKEN

ANCILLARY ZOOPLANKTON DATA

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE DEG N	LONGITUDE DEG W
	SONIC DEPTH METERS	START TIME EDT	FINISH TIME EDT		

DEPTH M	TEMPERATURE C	SALINITY PARTS/1000	SIGMA-T	CHLOROPHYLL UG/L	SIGMA-T
.....					
DEPTH M	PHOSPHATE UG-AT/L	SILICATE UG-AT/L	NITRATE UG-AT/L	NITRITE UG-AT/L	AMMONIUM UG-AT/L
.....					

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
3	1	1	5 AUG 77	40 45.7 N	72 29.5 W
	SONIC DEPTH	START TIME	FINISH TIME		
	29	1604	1656		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	20.02	31.54	22.15	0.51	22.15
5	20.00	31.52	22.14	0.50	22.14
10	18.68	31.57	22.51	0.53	22.51
15	16.71	31.61	23.01	1.08	23.01
20	16.05	31.79	23.29	2.39	23.29
25	15.45	31.91	23.52	5.69	23.52

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.12	2.94	0.14	0.06	0.27
5	0.05	2.02	0.00	0.05	0.10
10	0.08	2.10	0.05	0.05	0.10
15	0.10	1.18	0.20	0.05	0.26
20	0.24	1.05	0.12	0.06	0.17
25	0.48	1.79	0.04	0.06	0.16

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
4	1	2	5 AUG 77	40 45.1 N	72 30.4 W
	SONIC DEPTH	START TIME	FINISH TIME		
	31.	2022	2155		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	20.53	31.46	21.95	0.68	21.95
5	20.00	-	-	0.48	-
10	18.10	32.00	22.98	0.61	22.98
15	16.64	31.91	23.25	1.11	23.25
20	15.26	32.02	23.64	2.43	23.64
25	13.83	32.11	24.01	1.65	24.01

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.12	0.41	0.11	0.04	0.22
5	0.08	0.20	0.07	0.03	0.24
10	0.10	0.20	0.05	0.03	0.12
15	0.14	0.03	0.07	0.03	0.10
20	0.32	1.19	0.05	0.03	0.11
25	0.66	5.30	0.96	0.17	0.76

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
5	1	3	6 AUG 77	40 44.3 N	72 28.4 W
	SONIC DEPTH	START TIME	FINISH TIME		
	30	0015	0108		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	20.36	31.46	22.00	0.47	22.00
5	20.00	31.48	22.11	0.47	22.11
10	18.30	31.60	22.62	0.46	22.62
15	16.70	31.95	23.27	1.02	23.27
20	13.20	32.00	24.05	2.54	24.05
25	12.10	-	-	1.22	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.00	2.36	0.12	0.02	0.29
5	0.00	1.58	0.00	0.02	0.03
10	0.00	1.22	0.02	0.03	0.14
15	0.01	1.35	0.01	0.02	0.13
20	0.30	4.26	0.22	0.06	0.24
25	0.64	8.34	1.63	0.27	2.01

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
6	1	4	6 AUG 77	40 46.7 N	72 29.2 W
	SONIC DEPTH 27	START TIME 0416	FINISH TIME 0503		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	19.99	31.47	22.10	0.65	22.10
5	20.00	31.47	22.10	0.81	22.10
10	17.66	31.63	22.80	0.71	22.80
15	16.39	31.74	23.18	1.32	23.18
20	16.00	31.80	23.31	4.24	23.31
25	15.56	31.87	23.46	5.14	23.46

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.05	1.45	0.21	0.04	0.35
5	0.02	1.05	0.02	0.03	0.07
10	0.02	0.90	0.02	0.03	0.01
15	0.06	0.68	0.07	0.03	0.13
20	0.20	0.65	0.12	0.03	1.42
25	0.56	2.35	0.24	0.06	0.13

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
7	1	5	6 AUG 77	40 46.2 N	72 28.9 W
	SONIC DEPTH 28	START TIME 0805	FINISH TIME 0855		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	20.10	31.46	22.06	1.03	22.06
5	20.10	31.64	22.20	0.85	22.20
10	18.81	31.56	22.47	0.75	22.47
15	16.69	31.78	23.14	2.39	23.14
20	16.13	31.78	23.27	5.10	23.27
25	15.85	31.81	23.35	5.65	23.35

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.10	1.33	0.06	0.04	0.05
5	0.08	0.85	0.02	0.03	0.09
10	0.10	0.90	0.02	0.03	0.25
15	0.24	0.42	0.13	0.00	0.38
20	0.34	0.48	0.05	0.03	0.28
25	0.53	1.18	0.23	0.05	1.83

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
8	1	6	6 AUG 77	40 46.4 N	72 28.7 W
	SONIC DEPTH	START TIME	FINISH TIME		
	28	1200	1256		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	19.99	31.53	22.15	1.27	22.15
5	19.96	31.51	22.14	0.98	22.14
10	18.10	31.60	22.67	1.67	22.67
15	16.89	31.70	23.03	2.98	23.03
20	16.20	31.77	23.24	6.12	23.24
25	14.47	32.01	23.80	2.63	23.80

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.19	1.76	0.24	0.04	0.20
5	0.10	1.71	0.05	0.02	0.08
10	0.12	0.51	0.04	0.02	0.29
15	0.24	0.39	0.07	0.03	0.32
20	0.64	2.04	0.08	0.06	0.29
25	0.93	7.81	1.53	0.20	1.74

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME	CAST	DATE	LATITUDE	LONGITUDE
9	SERIES 1	7	6 AUG 77	40 46.2 N	72 29.8 W
	SONIC	START	FINISH		
	DEPTH	TIME	TIME		
	28	1600	1650		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	20.31	31.45	22.00	0.98	22.00
5	19.71	31.40	22.12	1.08	22.12
10	17.68	31.50	22.70	0.86	22.70
15	16.39	31.72	23.16	2.04	23.16
20	15.80	31.80	23.36	6.98	23.36
25	15.35	31.87	23.51	5.06	23.51

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.33	0.90	0.57	0.02	0.30
5	0.32	0.56	0.33	0.02	0.22
10	0.29	0.44	0.41	0.02	0.18
15	0.38	0.27	0.32	0.02	0.26
20	0.78	1.39	0.37	0.08	0.43
25	1.02	5.50	1.42	0.13	1.09

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME	CAST	DATE	LATITUDE	LONGITUDE
10	SERIES 1	8	6 AUG 77	40 46.0 N	72 29.9 W
	SONIC DEPTH 27	START TIME 2005	FINISH TIME 2055		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	20.77	31.48	21.90	0.75	21.90
5	-	31.40	-	0.78	-
10	17.56	31.40	22.65	0.75	22.65
15	16.25	31.75	23.22	2.35	23.22
20	16.00	31.81	23.32	4.20	23.32
25	14.91	31.93	23.65	4.94	23.65

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.08	0.93	0.48	0.07	0.26
5	0.02	0.63	0.09	0.04	0.22
10	0.02	0.36	0.05	0.05	0.26
15	0.09	0.26	0.04	0.06	0.30
20	0.28	0.44	0.04	0.06	0.32
25	0.71	5.24	0.94	0.16	0.70

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
11	1	9	7 AUG 77	40 46.2 N	72 29.9 W
	SONIC DEPTH 28	START TIME 0000	FINISH TIME 0052		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	17.82	31.67	22.79	1.14	22.79
5	17.32	31.68	22.92	1.10	22.92
10	16.84	31.70	23.05	1.49	23.05
15	16.10	31.80	23.29	4.15	23.29
20	15.00	31.93	23.63	4.39	23.63
25	13.43	32.13	24.11	2.94	24.11

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.12	3.19	0.22	0.16	0.00
5	0.10	2.12	0.09	0.16	0.06
10	0.13	1.49	0.14	0.16	0.06
15	0.36	1.56	0.05	0.15	0.03
20	0.41	2.63	0.18	0.17	0.06
25	0.75	6.18	1.08	0.27	0.53

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
12	1	10	7 AUG 77	40 46.5 N	70 30.1 W
	SONIC DEPTH	START TIME	FINISH TIME		
	29	0415	0510		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	18.75	31.56	22.48	0.84	22.48
5	17.00	31.60	22.93	1.16	22.93
10	16.45	31.77	23.19	1.84	23.19
15	-	-	-	3.41	-
20	15.78	31.89	23.43	3.37	23.43
25	15.36	31.92	23.55	4.43	23.55

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.13	2.05	0.20	0.02	0.12
5	0.12	1.22	0.07	0.01	0.14
10	0.16	0.95	0.04	0.01	0.17
15	0.33	1.09	0.09	0.01	0.14
20	0.38	2.25	0.09	0.01	0.04
25	0.83	6.95	1.14	0.11	0.39

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
13	1	11	7 AUG 77	40 46.5 N	72 29.9 W
	SONIC DEPTH	START TIME	FINISH TIME		
	26	0808	0900		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	18.75	31.55	22.47	0.86	22.47
5	17.00	31.55	22.89	1.29	22.89
10	16.51	31.73	23.14	1.84	23.14
15	16.27	31.80	23.25	3.06	23.25
20	15.69	31.89	23.45	3.49	23.45
25	15.54	31.90	23.49	3.65	23.49

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.09	0.89	0.01	0.14	0.19
5	0.10	0.55	0.01	0.14	0.19
10	0.15	0.48	0.01	0.14	0.19
15	0.24	0.49	0.00	0.15	0.15
20	0.41	0.70	0.00	0.15	0.18
25	0.71	4.75	0.75	0.23	0.30

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
14	1	12	7 AUG 77	40 46.7 N	72 29.9 W
	SONIC DEPTH	START TIME	FINISH TIME		
	26	1204	1259		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	18.42	31.61	22.60	1.02	22.60
5	17.00	31.61	22.94	1.11	22.94
10	16.71	31.74	23.11	1.33	23.11
15	16.35	31.77	23.21	1.65	23.21
20	16.10	31.77	23.27	3.49	23.27
25	15.72	31.80	23.37	5.57	23.37

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.49	0.85	0.24	0.16	0.04
5	0.48	0.80	0.11	0.14	0.05
10	0.50	0.55	0.11	0.14	0.11
15	0.55	0.65	0.11	0.14	0.10
20	0.70	0.20	0.12	0.16	0.15
25	0.86	8.70	1.21	0.24	0.19

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
34	2	13	10 AUG 77	40 9.5 N	72 1.2 W
	SONIC DEPTH 66	START TIME 0810	FINISH TIME 1000		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	23.62	32.09	21.58	0.27	21.58
5	23.59	32.05	21.55	0.24	21.55
10	21.99	33.46	23.07	0.29	23.07
15	20.38	34.73	24.47	0.51	24.47
20	17.84	34.76	25.15	0.81	25.15
25	13.96	34.15	25.56	5.79	25.56
30	11.58	33.90	25.83	4.06	25.83
40	8.86	33.66	26.11	2.15	26.11
50	8.67	33.75	26.21	1.24	26.21
60	8.59	33.75	26.22	1.64	26.22

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.14	1.35	0.24	0.01	0.60
5	0.10	1.24	0.00	0.00	0.54
10	0.39	1.04	0.00	0.00	0.63
15	0.04	0.87	0.05	0.03	0.69
20	0.10	1.20	0.08	0.02	1.68
25	0.23	1.10	0.37	0.03	0.75
30	0.30	1.80	1.88	0.12	1.00
40	0.75	7.80	9.71	0.09	0.84
50	0.86	10.90	11.13	0.07	1.53
60	0.88	12.00	11.59	0.06	1.73

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
35	2	14	10 AUG 77	40 9.5 N	72 0.7 W
	SONIC DEPTH	START TIME	FINISH TIME		
	66	1216	1345		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	23.99	32.50	21.78	0.28	21.78
5	23.50	32.96	22.27	0.18	22.27
10	22.50	33.64	23.07	0.22	23.07
15	20.00	33.75	23.83	0.30	23.83
20	19.00	34.28	24.49	0.50	24.49
25	18.20	34.35	24.74	2.19	24.74
30	14.78	34.33	25.52	3.78	25.52
40	10.09	33.91	26.11	3.72	26.11
50	8.92	33.87	26.27	1.16	26.27
60	8.75	33.89	26.31	0.70	26.31

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.13	1.70	0.42	0.03	1.34
5	0.09	1.35	0.22	0.01	0.89
10	0.03	0.86	0.08	0.01	0.97
15	0.05	0.99	0.10	0.02	0.97
20	0.04	1.07	0.02	0.02	0.91
25	0.13	1.25	0.13	0.03	1.33
30	0.16	1.12	0.14	0.04	1.07
40	0.47	3.60	5.80	0.15	0.94
50	0.65	12.10	8.78	0.10	0.94
60	0.84	14.65	11.33	0.11	1.04

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
36	2	15	10 AUG 77	40 9.5 N	71 59.3 W
	SONIC DEPTH	START TIME	FINISH TIME		
	66	1625	1757		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	23.34	32.38	21.88	0.55	21.88
5	23.36	32.41	21.89	0.28	21.89
10	23.07	32.96	22.39	0.21	22.39
15	21.54	34.78	24.20	0.27	24.20
20	18.09	34.11	24.59	0.62	24.59
25	14.70	34.39	25.59	0.48	25.59
30	12.10	34.00	25.81	1.41	25.81
40	11.43	31.57	24.06	1.43	24.06
50	8.88	33.88	26.28	1.13	26.28
60	-	-	-	0.26	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.10	1.60	0.14	0.02	1.06
5	0.06	1.45	0.05	0.01	1.24
10	0.01	1.00	0.03	0.01	1.09
15	0.01	1.00	0.03	0.01	1.16
20	0.04	1.20	0.02	0.02	1.20
25	0.08	1.45	0.02	0.02	1.28
30	0.14	1.40	0.15	0.03	1.30
40	0.52	4.80	6.41	0.08	1.25
50	0.77	11.70	10.07	0.05	1.20
60	0.83	15.40	11.53	0.09	1.24

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
37	2	16	10 AUG 77	40 9.4 N	72 0.0 W
	SONIC DEPTH	START TIME	FINISH TIME		
	66	2030	2200		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	0.34	-
5	-	-	-	0.28	-
10	-	-	-	0.25	-
15	-	-	-	0.28	-
20	-	-	-	0.46	-
25	-	-	-	0.84	-
30	-	-	-	4.38	-
40	-	-	-	2.82	-
50	-	-	-	1.41	-
60	-	-	-	0.46	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.16	2.08	0.31	0.01	0.05
5	0.11	1.45	0.00	0.00	0.06
10	0.05	1.18	0.00	0.00	0.07
15	0.03	1.00	0.00	0.00	0.06
20	0.06	1.25	0.00	0.00	0.16
25	0.10	1.40	0.00	0.00	0.18
30	0.23	1.78	1.37	0.08	0.34
40	0.63	6.90	8.00	0.04	0.16
50	0.78	11.85	10.46	0.07	0.20
60	0.85	15.68	-	-	0.13

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME				
49	SERIES	CAST	DATE	LATITUDE	LONGITUDE
	3	17	14 AUG 77	39 46.4 N	73 46.1 W
	SONIC	START	FINISH		
	DEPTH	TIME	TIME		
	25				

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	1.17	-
5	-	-	-	1.03	-
10	-	-	-	1.01	-
15	-	-	-	1.19	-
20	-	-	-	1.79	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.08	4.70	0.19	0.00	0.17
5	0.06	4.41	0.04	0.00	0.17
10	0.07	4.23	0.04	0.00	0.21
15	0.17	3.78	0.04	0.00	0.18
20	0.96	11.41	2.74	0.54	3.69

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
50	3	18	15 AUG 77	39 46.1 N	73 45.8 W
	SONIC DEPTH 24	START TIME 0035	FINISH TIME 0116		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	24.59	31.88	21.13	1.95	21.13
5	23.50	31.90	21.47	1.73	21.47
10	18.32	32.23	23.10	1.62	23.10
15	12.22	32.63	24.73	4.18	24.73
20	11.89	32.68	24.83	2.49	24.83

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.14	5.50	0.14	0.03	0.30
5	0.10	5.30	0.03	0.01	0.27
10	0.12	4.30	0.03	0.01	0.24
15	0.79	7.70	1.81	0.28	2.50
20	1.01	9.60	2.62	0.42	3.90

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
51	3	19	15 AUG 77	39 46.3 N	73 46.0 W
	SONIC DEPTH	START TIME	FINISH TIME		
	24	0430	0508		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	24.47	31.88	21.17	1.71	21.17
5	24.18	31.84	21.22	1.55	21.22
10	16.53	32.34	23.61	1.61	23.61
15	12.05	32.61	24.75	5.25	24.75
20	11.58	32.70	24.90	1.71	24.90

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.08	5.98	0.00	0.02	0.15
5	0.08	5.60	0.00	0.02	0.13
10	0.09	4.70	0.01	0.01	0.16
15	0.73	7.97	1.49	0.24	2.03
20	0.96	10.72	2.67	0.47	3.50

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
52	3	20	15 AUG 77	39 46.0 N	73 46.1 W
	SONIC DEPTH	START TIME	FINISH TIME		
	25	0815	0855		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	24.43	31.91	21.20	1.49	21.20
5	22.64	31.76	21.61	1.33	21.61
10	20.29	31.50	22.05	1.71	22.05
15	14.78	32.23	23.91	4.77	23.91
20	12.00	32.68	24.81	2.35	24.81

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.08	5.40	0.04	0.01	0.13
5	0.05	5.44	0.00	0.00	0.15
10	0.06	4.91	0.00	0.00	0.18
15	0.46	5.64	0.00	0.00	0.22
20	1.07	9.94	7.24	0.42	3.38

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME				
53	SERIES	CAST	DATE	LATITUDE	LONGITUDE
	3	21	15 AUG 77	39 46.0 N	73 46.8 W

	SONIC	START	FINISH		
	DEPTH	TIME	TIME		
	24	1213	1253		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	24.54	31.89	21.16	1.73	21.16
5	21.88	31.77	21.82	1.99	21.82
10	16.68	32.25	23.50	2.35	23.50
15	13.42	32.50	24.40	6.76	24.40
20	11.27	32.73	24.98	1.67	24.98

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.08	5.84	0.16	0.01	0.13
5	0.07	5.82	0.09	0.01	0.09
10	0.08	5.70	0.09	0.01	0.15
15	0.71	7.95	1.22	0.16	1.00
20	0.98	12.68	3.03	0.54	3.22

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME	CAST	DATE	LATITUDE	LONGITUDE
54	SERIES 3	22	15 AUG 77	39 46.2 N	73 46.3 W
	SONIC	START	FINISH		
	DEPTH	TIME	TIME		
	24	1615	1650		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	24.92	31.88	21.04	1.35	21.04
5	24.85	31.88	21.06	1.47	21.06
10	24.18	31.70	21.12	2.69	21.12
15	14.89	32.41	24.02	6.17	24.02
20	11.30	32.73	24.98	1.77	24.98

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.08	4.70	0.02	0.08	0.08
5	0.07	5.10	0.00	0.00	0.03
10	0.08	5.57	0.00	0.00	0.10
15	0.52	5.80	0.01	0.09	0.14
20	0.93	12.90	2.80	0.62	2.99

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
55	3	23	15 AUG 77	39 46.3 N	73 46.3 W
	SONIC DEPTH	START TIME	FINISH TIME		
	25	2055	2135		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	24.64	31.85	21.10	0.78	21.10
5	24.50	31.86	21.15	0.99	21.15
10	21.88	32.03	22.02	1.51	22.02
15	15.75	32.46	23.87	6.76	23.87
20	11.19	32.73	25.00	1.35	25.00

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.18	5.12	0.19	0.02	0.14
5	0.16	5.10	0.06	0.01	0.15
10	0.17	5.56	0.03	0.01	0.07
15	0.69	6.64	0.45	0.07	0.11
20	1.06	13.42	3.03	0.58	2.97

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME	CAST	DATE	LATITUDE	LONGITUDE
56	SERIES 3	24	16 AUG 77	39 46.5 N	73 46.1 W
	SONIC	START	FINISH		
	DEPTH	TIME	TIME		
	25	0025	0105		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	24.46	31.85	21.15	1.03	21.15
5	24.37	31.83	21.16	1.21	21.16
10	20.43	32.06	22.43	1.49	22.43
15	11.16	32.70	24.98	2.75	24.98
20	11.15	32.72	25.00	1.23	25.00

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.03	5.51	0.08	0.02	0.14
5	0.06	5.39	0.09	0.01	0.15
10	0.06	5.41	0.08	0.02	0.27
15	0.91	11.92	2.71	0.54	2.20
20	1.01	13.17	3.34	0.66	2.90

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
58	3	25	16 AUG 77	39 46.5 N	73 46.5 W
	SONIC DEPTH	START TIME	FINISH TIME		
	25	0838	0938		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	1.25	-
5	-	-	-	1.03	-
10	-	-	-	1.13	-
15	-	-	-	1.47	-
20	-	-	-	2.01	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.09	5.03	0.13	0.02	0.28
5	0.09	4.90	0.08	0.02	0.22
10	0.06	4.81	0.05	0.00	0.12
15	0.20	3.94	0.05	0.00	0.20
20	0.99	11.20	3.19	0.51	2.50

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
59	3	26	16 AUG 77	39 46.1 N	73 45.9 W
	SONIC DEPTH	START TIME	FINISH TIME		
	24	1220	1320		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	1.13	-
5	-	-	-	1.36	-
10	-	-	-	1.31	-
15	-	-	-	2.43	-
20	-	-	-	1.99	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.04	4.12	0.37	0.01	0.16
5	0.04	4.24	0.09	0.01	0.12
10	0.03	4.42	0.08	0.02	0.08
15	0.31	4.12	0.08	0.02	0.21
20	0.99	11.73	3.25	0.55	2.66

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
60	3	27	16 AUG 77	39 46.4 N	73 45.2 W
	SONIC DEPTH	START TIME	FINISH TIME		
	26	1555	1648		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	1.05	-
5	-	-	-	1.23	-
10	-	-	-	1.42	-
15	-	-	-	4.32	-
20	-	-	-	1.67	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.04	4.38	0.17	0.18	0.04
5	0.04	4.20	0.04	0.16	0.07
10	0.05	4.30	0.04	0.16	0.11
15	0.90	11.10	2.35	0.63	2.38
20	1.06	13.60	3.40	0.88	3.57

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
61	3	28	16 AUG 77	39 46.4 N	73 46.6 W
	SONIC DEPTH	START TIME	FINISH TIME		
	25	2035	2140		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	0.80	-
5	-	-	-	0.90	-
10	-	-	-	0.98	-
15	-	-	-	1.69	-
20	-	-	-	1.61	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.06	3.95	0.12	0.18	0.09
5	0.04	3.75	0.08	0.17	0.21
10	0.03	3.75	0.03	0.17	0.06
15	0.34	4.25	0.07	0.18	0.26
20	0.98	12.18	3.21	0.74	2.95

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME	CAST	DATE	LATITUDE	LONGITUDE
62	SERIES 3	29	17 AUG 77	39 46.6 N	73 45.3 W
	SONIC	START	FINISH		
	DEPTH	TIME	TIME		
	24	0015	0120		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	1.06	-
5	-	-	-	1.11	-
10	-	-	-	1.11	-
15	-	-	-	4.56	-
20	-	-	-	2.01	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.06	3.99	0.03	0.02	0.07
5	0.06	3.82	0.04	0.01	0.04
10	0.07	3.78	0.04	0.01	0.12
15	0.54	5.75	0.29	0.04	0.20
20	1.02	12.44	3.15	0.60	3.00

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
63	4	30	18 AUG 77	40 30.0 N	73 46.0 W
	SONIC DEPTH	START TIME	FINISH TIME		
	23	1600	1645		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	21.44	31.18	21.50	13.02	21.50
5	21.04	31.23	21.64	7.55	21.64
10	15.93	31.99	23.47	1.69	23.47
15	12.44	32.21	24.36	0.73	24.36
20	12.35	32.26	24.42	0.83	24.42

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.46	7.82	0.78	0.12	0.28
5	0.48	8.08	0.79	0.13	1.00
10	0.95	10.86	2.03	0.32	4.31
15	1.28	17.74	4.53	0.81	5.16
20	1.56	20.28	4.18	0.75	7.10

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
64	4	31	18 AUG 77	40 29.9 N	73 47.1 W
	SONIC DEPTH	START TIME	FINISH TIME		
	23	2100	2140		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	17.42	-
5	-	-	-	2.90	-
10	-	-	-	1.02	-
15	-	-	-	0.71	-
20	-	-	-	0.67	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.90	9.28	2.09	0.45	2.21
5	1.00	12.48	1.92	0.41	4.96
10	0.96	14.10	2.93	0.71	3.16
15	1.30	19.24	3.70	0.92	6.47
20	1.42	20.04	3.58	0.90	7.24

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
65	4	32	19 AUG 77	40 30.3 N	73 47.4 W

SONIC DEPTH	START TIME	FINISH TIME
23	0024	0105

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	21.06	31.04	21.49	18.70	21.49
5	20.68	31.05	21.60	17.00	21.60
10	13.56	32.13	24.08	1.76	24.08
15	12.22	32.26	24.44	0.97	24.44
20	12.24	32.26	24.44	1.06	24.44

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.66	7.33	1.26	0.30	0.34
5	0.80	8.10	1.46	0.34	1.30
10	0.92	12.66	2.03	0.50	3.48
15	1.49	19.62	3.32	0.82	7.54
20	1.54	20.07	3.31	0.82	7.83

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
66	4	33	19 AUG 77	40 29.2 N	73 47.4 W
	SONIC DEPTH	START TIME	FINISH TIME		
	23	0420	0454		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	14.32	-
5	-	-	-	5.60	-
10	-	-	-	2.73	-
15	-	-	-	1.04	-
20	-	-	-	0.68	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.46	6.50	0.02	0.03	0.13
5	1.12	11.30	1.64	0.44	4.49
10	1.10	11.28	1.43	0.43	4.60
15	1.20	15.19	2.11	0.71	5.22
20	1.59	19.88	2.62	0.86	7.68

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
67	4	34	19 AUG 77	40 29.4 N	73 47.6 W
	SONIC DEPTH	START TIME	FINISH TIME		
	23	0830	0915		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	20.22	30.98	21.67	14.20	21.67
5	20.33	31.00	21.66	12.74	21.66
10	16.53	31.99	23.34	1.25	23.34
15	12.36	32.23	24.39	0.66	24.39
20	12.01	32.18	24.42	0.64	24.42

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	1.02	9.05	1.52	1.49	1.19
5	1.24	9.89	2.89	0.63	2.86
10	1.10	12.15	1.15	0.74	4.68
15	1.46	19.09	3.18	0.46	7.02
20	1.65	21.62	2.46	0.92	9.16

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
68	4	35	19 AUG 77	40 29.3 N	73 47.5 W
	SONIC DEPTH	START TIME	FINISH TIME		
	23	1209	1248		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	8.39	-
5	-	-	-	12.34	-
10	-	-	-	1.07	-
15	-	-	-	0.64	-
20	-	-	-	0.62	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	1.31	10.61	2.99	0.80	4.07
5	1.36	11.02	2.82	0.74	4.63
10	1.00	12.63	1.53	0.47	3.47
15	1.40	19.14	2.85	0.94	6.48
20	1.53	20.11	2.79	0.91	7.19

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
69	4	36	19 AUG 77	40 30.1 N	73 46.3 W
	SONIC DEPTH	START TIME	FINISH TIME		
	23	1600	1634		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	21.24	31.05	21.45	23.05	21.45
5	18.81	31.07	22.09	15.62	22.09
10	13.98	32.12	23.99	1.49	23.99
15	12.21	32.24	24.43	1.16	24.43
20	12.08	32.28	24.49	0.77	24.49

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	1.14	8.90	3.08	0.80	0.74
5	0.58	6.51	0.10	0.07	0.12
10	0.91	10.92	1.10	0.34	3.51
15	1.23	16.74	2.77	0.85	4.53
20	1.54	20.19	2.77	0.85	7.14

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
70	4	37	19 AUG 77	40 30.0 N	73 46.1 W
	SONIC DEPTH	START TIME	FINISH TIME		
	23	2020	2105		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	22.56	-
5	-	-	-	13.87	-
10	-	-	-	1.67	-
15	-	-	-	0.83	-
20	-	-	-	0.83	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.95	6.81	1.87	0.49	1.04
5	1.10	8.82	1.99	0.51	3.41
10	0.86	8.59	-	-	4.11
15	1.39	17.00	-	-	6.57
20	1.49	18.27	-	-	7.27

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
71	4	38	20 AUG 77	40 30.0 N	73 46.4 W
	SONIC DEPTH	START TIME	FINISH TIME		
	24	0028	0111		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	20.34	30.74	21.46	28.78	21.46
5	20.00	30.80	21.59	23.08	21.59
10	16.05	32.04	23.49	1.29	23.49
15	12.36	32.22	24.39	1.01	24.39
20	12.18	32.26	24.45	0.77	24.45

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	1.16	14.14	2.57	0.83	4.53
5	0.95	9.65	1.32	0.40	4.31
10	0.84	6.67	1.18	0.32	0.92
15	0.65	4.98	0.11	0.07	0.20
20	1.38	18.10	3.19	0.99	7.18

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
72	4	39	20 AUG 77	40 29.9 N	73 46.1 W
	SONIC DEPTH	START TIME	FINISH TIME		
	23	0400	0453		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	20.61	-
5	-	-	-	15.76	-
10	-	-	-	3.70	-
15	-	-	-	0.79	-
20	-	-	-	0.87	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.90	6.51	2.51	0.62	0.80
5	0.89	7.18	1.35	0.42	1.00
10	1.01	9.70	1.33	0.44	4.29
15	1.49	12.51	2.92	0.98	7.22
20	1.58	13.48	3.00	1.00	7.83

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
73	4	40	20 AUG 77	40 30.0 N	73 46.8 W
	SONIC DEPTH	START TIME	FINISH TIME		
	23	0819	0914		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	12.53	-
5	-	-	-	8.36	-
10	-	-	-	1.81	-
15	-	-	-	0.88	-
20	-	-	-	0.77	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	1.47	10.34	3.46	0.90	4.98
5	1.35	10.80	8.28	0.75	5.68
10	0.99	10.47	1.57	0.61	3.20
15	1.49	18.18	2.95	1.05	7.40
20	1.58	19.85	3.26	1.10	8.59

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
74	4	41	20 AUG 77	40 30.0 N	73 46.4 W
	SONIC DEPTH	START TIME	FINISH TIME		
	23	1155	1243		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	19.16	-
5	-	-	-	20.20	-
10	-	-	-	3.20	-
15	-	-	-	0.95	-
20	-	-	-	0.84	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	1.12	8.77	2.50	0.68	1.18
5	1.21	8.76	2.92	0.80	1.48
10	1.16	11.50	1.82	0.54	5.28
15	1.19	16.29	3.19	0.99	5.55
20	1.48	19.04	3.32	1.04	7.30

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
75	4	42	20 AUG 77	40 30.1 N	73 46.4 W
	SONIC DEPTH	START TIME	FINISH TIME		
	23	1553	1641		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	24.12	-
5	-	-	-	7.71	-
10	-	-	-	2.98	-
15	-	-	-	0.77	-
20	-	-	-	0.97	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	1.09	10.48	1.67	0.46	4.89
5	1.50	11.62	3.06	0.80	6.58
10	0.78	5.66	0.34	0.07	0.24
15	1.48	18.16	2.90	0.96	6.97
20	1.58	19.15	3.05	0.99	7.63

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
107	5	43	24 AUG 77	40 0.5 N	73 57.6 W
	SONIC DEPTH	START TIME	FINISH TIME		
	21	1225	1317		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	31.55	-	6.11	-
5	-	0.00	-	6.29	-
10	-	32.11	-	6.22	-
15	-	32.45	-	2.02	-
19	-	32.46	-	1.93	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.13	5.20	0.31	0.04	0.32
5	0.11	5.00	0.06	0.04	0.32
10	0.32	6.30	0.35	0.10	0.72
15	1.28	18.35	3.98	1.17	7.75
19	1.36	19.30	4.33	1.22	8.65

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
108	5	44	24 AUG 77	40 0.2 N	73 57.8 W
	SONIC DEPTH 20	START TIME 1548	FINISH TIME 1649		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	5.65	-
5	-	-	-	6.47	-
10	-	-	-	6.10	-
15	-	-	-	1.77	-
19	-	-	-	1.69	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.16	4.90	0.10	0.05	0.27
5	0.04	4.85	0.02	0.03	0.24
10	0.19	5.35	0.03	0.02	0.24
15	1.24	17.85	3.98	1.07	7.15
19	1.30	18.60	4.31	1.14	7.57

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
109	4	45	24 AUG 77	39 59.9 N	73 57.8 W
	SONIC DEPTH	START TIME	FINISH TIME		
	21	2006	2102		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	6.36	-
5	-	-	-	6.67	-
10	-	-	-	4.51	-
15	-	-	-	1.79	-
19	-	-	-	1.85	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.12	4.60	0.07	0.03	0.23
5	0.20	4.70	0.12	0.03	0.23
10	0.75	11.10	2.12	0.48	2.36
15	2.78	18.55	4.27	1.13	8.28
19	1.39	18.45	4.22	1.13	8.31

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
110	5	46	25 AUG 77	40 0.4 N	73 57.9 W
	SONIC DEPTH	START TIME	FINISH TIME		
	21	2340	0043		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	5.55	-
5	-	-	-	5.23	-
10	-	-	-	4.59	-
15	-	-	-	2.32	-
19	-	-	-	2.03	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.13	5.35	0.09	0.01	0.23
5	0.23	6.25	0.24	0.06	0.24
10	0.75	10.85	1.99	0.46	3.55
15	1.23	17.05	3.76	1.04	7.17
19	1.37	18.40	4.27	1.13	8.27

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME	CAST	DATE	LATITUDE	LONGITUDE
111	SERIES 5	47	25 AUG 77	39 59.9 N	73 57.9 W
	SONIC	START	FINISH		
	DEPTH	TIME	TIME		
	21	0407	0452		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	5.10	-
5	-	-	-	5.21	-
10	-	-	-	5.85	-
15	-	-	-	2.09	-
19	-	-	-	1.98	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.20	4.75	0.15	0.05	0.44
5	0.15	4.70	0.03	0.02	0.22
10	0.22	5.75	0.10	0.05	0.27
15	1.29	17.75	3.97	1.08	7.46
19	1.33	17.85	4.30	1.00	7.66

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
112	5	48	25 AUG 77	40 0.0 N	73 57.5 W
	SONIC DEPTH	START TIME	FINISH TIME		
	21	0800	0850		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	5.54	-
5	-	-	-	5.89	-
10	-	-	-	6.09	-
15	-	-	-	2.06	-
19	-	-	-	2.07	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.19	4.95	0.15	0.05	0.29
5	0.14	4.75	0.02	0.03	0.23
10	0.18	4.90	0.08	0.02	0.23
15	1.40	19.50	4.49	1.26	8.48
19	1.45	19.70	4.55	1.25	8.88

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
113	5	49	25 AUG 77	40 0.1 N	73 57.9 W
	SONIC DEPTH	START TIME	FINISH TIME		
	21	1212	1305		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	6.07	-
5	-	-	-	6.27	-
10	-	-	-	6.18	-
15	-	-	-	1.98	-
19	-	-	-	1.78	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.14	5.43	0.11	0.09	0.29
5	0.13	4.98	0.02	0.08	0.20
10	0.12	4.88	0.02	0.08	0.20
15	1.15	16.77	3.62	1.18	6.23
19	1.39	20.47	4.48	1.37	8.52

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
114	5	50	25 AUG 77	40 0.1 N	73 58.2 W
	SONIC DEPTH	START TIME	FINISH TIME		
	21	1610	1654		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	5.18	-
5	-	-	-	5.21	-
10	-	-	-	5.77	-
15	-	-	-	2.13	-
19	-	-	-	1.76	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.12	6.92	0.23	0.02	0.27
5	0.12	5.87	0.14	0.01	0.22
10	0.14	5.63	0.23	0.02	0.29
15	1.34	17.44	3.99	1.21	7.17
19	1.37	19.00	4.38	1.37	8.35

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME				
116	SERIES	CAST	DATE	LATITUDE	LONGITUDE
	5	51	25 AUG 77	40 0.2 N	73 57.6 W

	SONIC	START	FINISH		
	DEPTH	TIME	TIME		
	21	2030	2119		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	4.31	-
5	-	-	-	4.29	-
10	-	-	-	4.99	-
15	-	-	-	1.87	-
19	-	-	-	1.59	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.12	4.35	0.18	0.07	0.32
5	0.86	4.11	0.11	0.04	0.29
10	0.11	4.47	0.18	0.07	0.86
15	1.24	18.17	4.08	1.32	7.13
19	-	19.28	4.39	1.36	7.81

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- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
117	5	52	26 AUG 77	40 0.0 N	73 57.6 W
	SONIC DEPTH	START TIME	FINISH TIME		
	21	0000	0059		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	5.61	-
5	-	-	-	4.97	-
10	-	-	-	4.98	-
15	-	-	-	2.06	-
19	-	-	-	1.51	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.15	4.99	0.18	0.07	0.29
5	0.15	4.95	0.10	0.05	0.28
10	0.15	4.85	0.11	0.04	0.25
15	1.33	19.31	4.31	1.34	8.20
19	1.40	20.02	4.59	1.41	8.79

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
118	5	53	26 AUG 77	39 59.8 N	73 57.7 W
	SONIC DEPTH	START TIME	FINISH TIME		
	21	0400	0438		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	6.46	-
5	-	-	-	4.79	-
10	-	-	-	4.61	-
15	-	-	-	1.84	-
19	-	-	-	2.28	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.16	7.83	0.15	0.10	0.21
5	0.12	6.82	0.00	0.10	0.20
10	0.13	6.67	0.00	0.10	0.20
15	1.31	20.06	4.46	1.34	8.41
19	1.35	20.06	4.48	1.37	8.50

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
119	5	54	26 JUL 77	39 59.7 N	73 58.1 W
	SONIC DEPTH	START TIME	FINISH TIME		
	21	0809	0854		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	5.06	-
5	-	-	-	5.21	-
10	-	-	-	5.82	-
15	-	-	-	2.62	-
19	-	-	-	1.61	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.15	5.67	0.08	0.12	0.24
5	0.14	5.51	0.04	0.11	0.21
10	0.18	6.86	0.04	0.11	0.23
15	1.21	17.00	2.95	1.20	7.41
19	1.38	19.85	4.58	1.42	8.38

- DATA NOT TAKEN

ZOOPLANKTON NOT ANALYZED

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME				
141	SERIES	CAST	DATE	LATITUDE	LONGITUDE
	6	55	28 AUG 77	40 46.3 N	72 30.8 W
	SONIC	START	FINISH		
	DEPTH	TIME	TIME		
	28	0805	0853		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	18.80	31.49	22.42	1.67	22.42
5	18.80	31.52	22.44	1.84	22.44
10	17.90	31.64	22.75	1.59	22.75
15	15.47	32.00	23.58	1.59	23.58
20	14.67	31.86	23.65	1.50	23.65
25	13.66	32.33	24.22	1.11	24.22

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.17	1.14	0.17	0.08	0.13
5	0.14	0.97	0.04	0.06	0.13
10	0.17	1.70	0.01	0.04	0.17
15	0.36	3.98	0.47	0.13	0.85
20	0.44	4.56	0.55	0.15	1.20
25	0.88	12.60	1.98	0.32	2.28

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
142	6	56	28 AUG 77	40 46.5 N	72 30.4 W
	SONIC DEPTH	START TIME	FINISH TIME		
	-	1220	1307		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	1.76	-
5	-	-	-	1.95	-
10	-	-	-	2.70	-
15	-	-	-	2.06	-
20	-	-	-	1.66	-
25	-	-	-	1.53	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.13	5.44	0.15	0.00	0.15
5	0.15	4.18	0.04	0.01	0.43
10	0.25	4.77	0.08	0.02	0.25
15	0.34	5.27	0.27	0.08	0.13
20	0.66	8.91	1.18	0.17	1.60
25	0.69	9.64	1.29	0.21	1.23

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION 143	TIME SERIES 6	CAST 57	DATE 28 AUG 77	LATITUDE 40 46.5 N	LONGITUDE 72 30.6 W
	SONIC DEPTH 28	START TIME 1601	FINISH TIME 1640		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	1.37	-
5	-	-	-	1.47	-
10	-	-	-	1.51	-
15	-	-	-	2.33	-
20	-	-	-	1.80	-
25	-	-	-	0.91	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.18	2.10	0.00	0.00	0.09
5	0.15	2.07	0.00	0.00	0.12
10	0.27	3.28	0.00	0.00	-
15	0.41	5.21	0.28	0.07	0.52
20	0.67	8.80	1.23	0.17	1.59
25	0.90	14.49	2.72	0.33	2.19

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
144	6	58	28 AUG 77	40 46.3 N	72 30.6 W
	SONIC DEPTH	START TIME	FINISH TIME		
	28	2030	2121		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	19.22	31.51	22.33	1.72	22.33
5	18.94	31.60	22.47	1.63	22.47
10	17.72	31.88	22.38	1.02	22.98
15	14.53	32.22	23.95	2.81	23.95
20	14.25	32.25	24.03	1.94	24.03
25	13.90	32.30	24.15	1.70	24.15

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.21	2.09	0.08	0.02	0.46
5	0.17	1.92	0.00	0.00	0.16
10	0.18	2.37	0.00	0.00	0.36
15	0.49	6.34	0.56	0.09	0.72
20	0.60	8.36	1.37	0.18	1.66
25	0.80	11.58	1.98	0.27	2.33

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
145	6	59	28 AUG 77	40 46.3 N	72 30.7 W
	SONIC DEPTH	START TIME	FINISH TIME		
	28	2348	0038		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	1.37	-
5	-	-	-	1.26	-
10	-	-	-	0.98	-
15	-	-	-	2.38	-
20	-	-	-	2.51	-
25	-	-	-	1.51	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.20	1.80	0.00	0.00	0.38
5	0.20	1.72	0.00	0.00	0.27
10	0.17	1.79	0.00	0.00	0.27
15	0.42	5.33	0.39	0.06	0.39
20	0.43	5.36	0.76	0.09	1.05
25	0.78	11.71	2.36	0.28	2.14

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME SERIES	CAST	DATE	LATITUDE	LONGITUDE
146	6	60	29 AUG 77	40 46.4 N	72 30.8 W
	SONIC DEPTH	START TIME	FINISH TIME		
	28	0400	0440		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	-	-	-	1.51	-
5	-	-	-	1.58	-
10	-	-	-	1.38	-
15	-	-	-	2.67	-
20	-	-	-	1.79	-
25	-	-	-	1.11	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.26	2.46	0.12	0.23	0.18
5	0.19	2.04	0.02	0.23	0.12
10	0.19	2.58	0.02	0.23	0.15
15	0.67	8.82	1.21	0.39	1.56
20	0.78	10.69	2.02	0.48	2.00
25	0.88	14.23	2.80	0.55	2.00

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR ANCILLARY ZOOPLANKTON PUMP DATA REPORT

STATION	TIME				
147	SERIES	CAST	DATE	LATITUDE	LONGITUDE
	6	61	29 AUG 77	40 46.4 N	72 30.9 W
	SONIC	START	FINISH		
	DEPTH	TIME	TIME		
	28	0807	0858		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	SIGMA-T
1	19.28	31.87	22.59	1.13	22.59
5	18.73	31.87	22.72	1.03	22.72
10	17.47	31.98	23.11	0.95	23.11
15	15.00	32.13	23.78	2.22	23.78
20	14.46	32.30	24.03	1.50	24.03
25	13.80	32.31	24.17	1.00	24.17

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
1	0.16	1.34	0.01	0.24	0.20
5	0.15	1.45	0.01	0.24	0.27
10	0.17	2.13	0.01	0.24	0.23
15	0.46	7.42	0.86	0.34	0.81
20	0.56	9.29	1.65	0.35	1.89
25	0.96	15.30	2.73	0.42	2.23

- DATA NOT TAKEN

PHYTOPLANKTON DATA

TABLE OF UNITS

STATION	DATE	TIME	LATITUDE	LONGITUDE
	EST	EST	NORTH	WEST

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
M	C	

DEPTH
M

1

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE
1	4 AUG 77	21:33:00	40 58.3 N	71 42.1 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
43	21	-

DEPTH
0.0

SPECIES	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	95.53	987900
THALASSIONEMA NITZSCHIOIDES - - -	2.0	1.30	13450
NITZSCHIA SERIATA - - - - -	3.0	0.80	8233
CHAETOCEROS DIDYMUS - - - - -	4.0	0.39	4016
RHIZOSOLENIA HEBETATA F. SEMISPINA	5.0	0.37	3815
ASTERIONELLA JAPONICA - - - - -	6.0	0.35	3614
THALASSIOSIRA DECIPIENS - - - - -	7.5	0.19	2008
EXUVIELLA MARINA - - - - -	7.5	0.19	2008
PROROCENTRUM MICANS - - - - -	9.0	0.17	1807
COSCINODISCUS EXCENTRICUS - - - -	10.0	0.14	1406
MELOSIRA MONILIFORMIS - - - - -	11.0	0.12	1205
COSINOSIRA OESTRUPII - - - - -	12.0	0.08	803
NITZSCHIA CLOSTERIUM - - - - -	15.0	0.06	602
CHAETOCEROS GRACILE - - - - -	15.0	0.06	602
CHAETOCEROS SP. - - - - -	15.0	0.06	602
DISTEPHANUS SPECULUM - - - - -	15.0	0.06	602
DINOPHYSIS ACUMINATA - - - - -	15.0	0.06	602
DITYLUM BRIGHTWELLII - - - - -	18.0	0.04	401
NAVICULA SP. - - - - -	19.5	0.02	200
RHIZOSOLENIA SETIGERA - - - - -	19.5	0.02	200
TOTALS	20	100	1034076

PERCENT
OF
TOTAL

DIATOM - - - - -	99.51
DINOFLAGELLATE -	0.43
OTHER - - - - -	0.06

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 1	DATE 4 AUG 77	TIME 21:33:00	LATITUDE 40 58.3 N	LONGITUDE 71 42.1 W
SONIC DEPTH 43		SURFACE TEMPERATURE 21	ONE % LIGHT DEPTH -	

DEPTH
15.0

S P E C I E S	RANK	%	NO/L
THALASSIONEMA NITZSCHIOIDES - -	1.0	80.51	26170
EXUVIELLA MARINA - - - - -	2.0	15.38	5000
COSINOSIRA OESTRUPII - - - - -	3.0	3.59	1167
PERIDINIUM SP. - - - - -	4.0	0.51	167
TOTALS	4	100	32504

PERCENT
O F
TOTAL

DIATOM - - - - -	84.10
DINOFLAGELLATE -	15.90
OTHER - - - - -	0.00

- DATA NOT TAKEN

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STATION      DATE      TIME      LATITUDE    LONGITUDE
  1          4 AUG 77   21:33:00   40 58.3 N   71 42.1 W
-----
          SONIC      SURFACE      ONE % LIGHT
          DEPTH      TEMPERATURE  DEPTH
           43         21         -
-----

DEPTH
 27.0
-----

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S P E C I E S	RANK	%	NO/L
ASTERIONELLA JAPONICA - - - - -	1.0	43.56	4712
THALASSIONEMA NITZSCHIOIDES - - -	2.0	40.33	4363
COSCINODISCUS EXCENTRICUS - - -	3.0	6.45	698
COSINOSIRA OESTRUPII - - - - -	4.0	4.83	523
NITZSCHIA LONGISSIMA - - - - -	6.0	1.61	174
DISTEPHANUS SPECULUM - - - - -	6.0	1.61	174
EXUVIELLA MARINA - - - - -	6.0	1.61	174
TOTALS	7	100	10818

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PERCENT
O F
TOTAL

DIATOM - - - - - 96.78
DINOFLAGELLATE - 1.61
OTHER - - - - - 1.61

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- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 1	DATE 4 AUG 77	TIME 21:33:00	LATITUDE 40 58.3 N	LONGITUDE 71 42.1 W
	SONIC DEPTH 43	SURFACE TEMPERATURE 21	ONE % LIGHT DEPTH -	
DEPTH 39.0.				

S P E C I E S	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	34.51	1808
MONADI - - - - -	2.0	17.26	904
COSINOSIRA OESTRUPII - - - - -	4.0	10.35	542
THALASSIONEMA NITZSCHIOIDES - - -	4.0	10.35	542
NITZSCHIA CLOSTERIUM - - - - -	4.0	10.35	542
CHAETOCEROS DIDYMUS - - - - -	6.0	6.89	361
COSCINODISCUS EXCENTRICUS - - -	8.0	3.44	180
DINOPHYSIS ACUMINATA - - - - -	8.0	3.44	180
NAVICULA SP. - - - - -	8.0	3.44	180
TOTALS	9	100	5239

	PERCENT O F TOTAL
DIATOM - - - - -	79.31
DINOFLAGELLATE -	3.44
OTHER - - - - -	17.26

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
2	5 AUG 77	08:11:00	40 46.0 N	72 30.4 W
	SONIC DEPTH 29	SURFACE TEMPERATURE 20	ONE % LIGHT DEPTH -	
DEPTH 0.0				

S P E C I E S	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	79.09	188300
THALASSIONEMA NITZSCHIOIDES - - -	2.0	5.28	12560
PROROCENTRUM MICANS - - - - -	3.0	3.24	7709
COSINOSIRA OESTRUPII - - - - -	4.0	1.85	4405
ASTERIONELLA JAPONICA - - - - -	5.0	1.76	4185
CHAETOCEROS DEBILE - - - - -	6.0	1.67	3965
NITZSCHIA SERIATA - - - - -	7.0	1.48	3524
CHAETOCEROS AFFINIS - - - - -	8.0	1.20	2863
RHIZOSOLENIA FRAGILISSIMA - - -	9.0	1.11	2643
GYMNODINIUM SP. - - - - -	10.5	0.93	2203
CHAETOCEROS DIDYMUS - - - - -	10.5	0.93	2203
CYCLOTELLA NANA - - - - -	12.0	0.46	1101
NITZSCHIA CLOSTERIUM - - - - -	13.0	0.37	881
EXUVIELLA MARINA - - - - -	14.5	0.18	440
GYRODINIUM SP. - - - - -	14.5	0.18	440
CHAETOCEROS SIMPLEX - - - - -	17.0	0.09	220
GYMNODINIUM SPLENDENS - - - - -	17.0	0.09	220
CERATIUM FUSUS - - - - -	17.0	0.09	220
TOTALS	18	100	238082

PERCENT O F TOTAL	
DIATOM - - - - -	95.28
DINOFLAGELLATE -	4.72
OTHER - - - - -	0.00

- DATA NOT TAKEN

STATION 2PR	DATE 5 AUG 77	TIME 09:35:00	LATITUDE 40 46.0 N	LONGITUDE 72 30.4 W
	SONIC DEPTH 29	SURFACE TEMPERATURE 20	ONE % LIGHT DEPTH 22	

DEPTH
3.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - -	1.0	48.38	17960
PROROCENTRUM MICANS - - - - -	2.0	36.80	13860
LITHODESMIUM UNDULATUM - - - - -	3.0	7.12	2643
EXUVIELLA MARINA - - - - -	4.0	2.97	1101
NITZSCHIA CLOSTERIUM - - - - -	6.0	1.19	440
MELOSIRA MONILIFORMIS - - - - -	6.0	1.19	440
GYMNODINIUM SP. - - - - -	6.0	1.19	440
THALASSIOTHRIX FRAUENFELDII - - -	8.5	0.59	220
PERIDINIUM FAEROENSE - - - - -	8.5	0.59	220
TOTALS	9	100	37124

PERCENT
O F
TOTAL

DIATOM - - - - -	10.08
DINOFLAGELLATE -	89.92
OTHER - - - - -	0.00

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

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STATION      DATE      TIME      LATITUDE    LONGITUDE
  2PR      5 AUG 77    09:35:00   40 46.0 N   72 30.4 W
-----
                SONIC      SURFACE      ONE % LIGHT
                DEPTH      TEMPERATURE  DEPTH
                  29          20          22
-----

DEPTH
  22.0
-----

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S P E C I E S	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	96.08	1927000
UNIDENTIFIED DINOFLAGELLATES - -	2.0	0.96	19340
MONADI - - - - -	3.0	0.72	14510
NITZSCHIA SERIATA - - - - -	4.0	0.68	13650
LEPTOCYLINDRUS DANICUS - - - - -	5.0	0.52	10400
PROROCENTRUM MICANS - - - - -	6.5	0.24	4875
CERATIUM LINEATUM - - - - -	6.5	0.24	4875
ASTERIONELLA JAPONICA - - - - -	8.0	0.16	3250
CYCLOTELLA NANA - - - - -	9.0	0.13	2600
NITZSCHIA CLOSTERIUM - - - - -	10.0	0.06	1300
THALASSIONEMA NITZSCHIOIDES - -	11.0	0.05	975
EXUVIELLA MARINA - - - - -	12.0	0.03	650
PERIDINIUM FAEROENSE - - - - -	16.0	0.02	325
THALASSIOTHRIX FRAUENFELDI - - -	16.0	0.02	325
RHIZOSOLENIA HEBETATA F. SEMISPINA	16.0	0.02	325
CHAETOCEROS SIMPLEX - - - - -	16.0	0.02	325
DINOPHYSIS ACUMINATA - - - - -	16.0	0.02	325
PERIDINIUM CLAUDICANS - - - - -	16.0	0.02	325
DISTEPHANUS SPECULUM - - - - -	16.0	0.02	325
TOTALS	19	100	2005700

PERCENT
O F
TOTAL

DIATOM - - - - -	97.73
DINOFLAGELLATE -	1.53
OTHER - - - - -	0.74

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
3	5 AUG 77	15:10:00	40 45.7 N	72 29.5 W
SONIC DEPTH				
29				
SURFACE TEMPERATURE				
21				
ONE % LIGHT DEPTH				
-				
DEPTH				
27.0				

S P E C I E S	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	92.11	2370000
MONADI - - - - -	2.0	3.66	94200
ASTERIONELLA JAPONICA - - - - -	3.0	1.18	30400
NITZSCHIA DELICATISSIMA - - - - -	4.0	0.79	20270
THALASSIONEMA NITZSCHIOIDES - - - - -	5.0	0.59	15200
UNIDENTIFIED DINOFLAGELLATES - - - - -	6.0	0.56	14490
CYCLOTELLA NANA - - - - -	7.0	0.19	4800
PROROCENTRUM MICANS - - - - -	8.0	0.16	4000
THALASSIOSIRA DECIPiens - - - - -	9.0	0.15	3733
RHIZOSOLENIA SHRUBSOLEI - - - - -	10.5	0.10	2667
LEPTOCYLINDRUS DANICUS - - - - -	10.5	0.10	2667
CHAETOCEROS DIDYMUS - - - - -	12.0	0.09	2400
CHAETOCEROS SP. - - - - -	13.0	0.07	1867
RHIZOSOLENIA SETIGERA - - - - -	14.0	0.06	1600
RHIZOSOLENIA HEBETATA F. SEMISPINA - - - - -	15.5	0.05	1333
NITZSCHIA CLOSTERIUM - - - - -	15.5	0.05	1333
PLEUROSIGMA SP. - - - - -	17.0	0.03	800
EXUVIELLA MARINA - - - - -	18.0	0.02	533
DITYLUM BRIGHTWELLII - - - - -	20.0	0.01	266
DISTEPHANUS SPECULUM - - - - -	20.0	0.01	266
EBRIA TRIPARTITA - - - - -	20.0	0.01	266
TOTALS	21	100	2573091

PERCENT
O F
TOTAL

DIATOM - - - - - 95.58
DINOFLAGELLATE - 0.74
OTHER - - - - - 3.68

- DATA NOT TAKEN

STATION 4	DATE 5 AUG 77	TIME 21:06:00	LATITUDE 40 45.1 N	LONGITUDE 72 30.4 W
SONIC DEPTH 31		SURFACE TEMPERATURE 21	ONE % LIGHT DEPTH -	

DEPTH
18.0

S P E C I E S	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	95.48	2503000
MONADI - - - - -	2.0	1.50	39380
NITZSCHIA DELICATISSIMA - - - -	3.0	0.81	21260
THALASSIONEMA NITZSCHIOIDES - - -	4.0	0.51	13290
UNIDENTIFIED DINOFLAGELLATES - -	5.0	0.50	13130
ASTERIONELLA JAPONICA - - - - -	6.0	0.28	7246
LEPTOCYLINDRUS DANICUS - - - - -	7.0	0.20	5314
CERATIUM LINEATUM - - - - -	8.0	0.14	3623
DISTEPHANUS SPECULUM - - - - -	9.0	0.08	2174
CHAETOCEROS DIDYMUS - - - - -	10.0	0.07	1932
CHAETOCEROS DIFFICILE - - - - -	11.5	0.06	1449
CHAETOCEROS DEBILE - - - - -	11.5	0.06	1449
RHIZOSOLENIA SETIGERA - - - - -	14.0	0.05	1208
NITZSCHIA CLOSTERIUM - - - - -	14.0	0.05	1208
CHAETOCEROS COMPRESSUS - - - - -	14.0	0.05	1208
EBRIA TRIPARTITA - - - - -	16.5	0.04	966
THALASSIOSIRA DECIPIENS - - - -	16.5	0.04	966
COSCIINODISCUS MARGINATUS - - - -	19.0	0.02	483
CYCLOTELLA NANA - - - - -	19.0	0.02	483
EXUVIELLA MARINA - - - - -	19.0	0.02	483
COSCIINODISCUS RADIATUS - - - - -	23.0	0.01	241
CHAETOCEROS SIMPLEX - - - - -	23.0	0.01	241
RHIZOSOLENIA SHRUBSOLEI - - - -	23.0	0.01	241
NAVICULA SP. - - - - -	23.0	0.01	241
PLEUROSIGMA SP. - - - - -	23.0	0.01	241
TOTALS	25	100	2621457

PERCENT
O F
TOTAL

DIATOM - - - - -	97.72
DINOFLAGELLATE -	0.66
OTHER - - - - -	1.62

- DATA NOT TAKEN

STATION 5	DATE 6 AUG 77	TIME 00:55:00	LATITUDE 40 44.3 N	LONGITUDE 72 28.4 W
	SONIC DEPTH 30	SURFACE TEMPERATURE 20	ONE % LIGHT DEPTH -	
DEPTH 26.0				

S P E C I E S	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	62.46	53090
UNIDENTIFIED FLAGELLATE - - - - -	2.0	20.45	17380
THALASSIONEMA NITZSCHIOIDES - -	3.0	8.03	6823
MONADI - - - - -	4.0	6.82	5794
DINOPHYSIS ACUMINATA - - - - -	5.0	1.50	1279
NITZSCHIA CLOSTERIUM - - - - -	6.0	0.50	426
COSCIINODISCUS SP. - - - - -	7.0	0.25	213
TOTALS	7	100	85005

	PERCENT O F TOTAL
DIATOM - - - - -	71.23
DINOFLLAGELLATE -	1.50
OTHER - - - - -	27.26

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
6	6 AUG 77	05:02:00	40 46.7 N	72 29.2 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
27	20	-

DEPTH
22.0

S P E C I E S	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	91.40	2427000
UNIDENTIFIED DINOFLAGELLATES - -	2.0	3.41	90580
ASTERIONELLA JAPONICA - - - - -	3.0	1.23	32620
MONADI - - - - -	4.0	1.22	32350
UNIDENTIFIED FLAGELLATE - - - - -	5.0	0.97	25880
THALASSIONEMA NITZSCHIOIDES - - -	6.0	0.50	13330
NITZSCHIA DELICATISSIMA - - - - -	7.0	0.48	12620
CHAETOCEROS DIFFICILE - - - - -	8.0	0.14	3810
LEPTOCYLINDRUS DANICUS - - - - -	9.0	0.13	3571
LEPTOCYLINDRUS MINIMUS - - - - -	10.0	0.13	3333
MELOSIRA MONILIFORMIS - - - - -	11.0	0.07	1905
RHIZOSOLENIA HEBETATA F. SEMISPINA	12.0	0.05	1429
NITZSCHIA CLOSTERIUM - - - - -	14.5	0.04	952
CHAETOCEROS DEBILE - - - - -	14.5	0.04	952
CHAETOCEROS AFFINIS - - - - -	14.5	0.04	952
CERATIUM LINEATUM - - - - -	14.5	0.04	952
PLEUROSIGMA SP. - - - - -	18.5	0.02	476
EXUVIELLA MARINA - - - - -	18.5	0.02	476
DITYLUM BRIGHTWELLII - - - - -	18.5	0.02	476
DISTEPHANUS SPECULUM - - - - -	18.5	0.02	476
NAVICULA SP. - - - - -	23.0	0.01	238
CERATIUM FUSUS - - - - -	23.0	0.01	238
PROROCENTRUM MICANS - - - - -	23.0	0.01	238
GYMNODINIUM SP. - - - - -	23.0	0.01	238
PERIDINIUM SP. - - - - -	23.0	0.01	238
TOTALS	25	100	2655330

PERCENT
O F
TOTAL

DIATOM - - - - -	94.29
DINOFLAGELLATE -	3.50
OTHER - - - - -	2.21

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION	DATE	TIME	LATITUDE	LONGITUDE
7	6 AUG 77	08:59:00	40 46.2 N	72 28.9 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
28	20	-

DEPTH
20.0

SPECIES	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	95.65	3244000
ASTERIONELLA JAPONICA - - - - -	2.0	0.87	29500
UNIDENTIFIED DINOFLAGELLATES - -	3.5	0.60	20380
MONADI - - - - -	3.5	0.60	20380
NITZSCHIA DELICATISSIMA - - - - -	5.0	0.60	20250
NITZSCHIA SERIATA - - - - -	6.0	0.37	12500
UNIDENTIFIED FLAGELLATE - - - - -	7.5	0.20	6793
PERIDINIUM FAEROENSE - - - - -	7.5	0.20	6793
CERATIUM LINEATUM - - - - -	9.0	0.18	6250
CHAETOCEROS AFFINIS - - - - -	10.0	0.13	4250
THALASSIONEMA NITZSCHIOIDES - -	11.5	0.12	4000
CHAETOCEROS DIFFICILE - - - - -	11.5	0.12	4000
PROROCENTRUM MICANS - - - - -	13.0	0.05	1750
THALASSIOSIRA DECIPIENS - - - - -	14.0	0.04	1500
EXUVIELLA MARINA - - - - -	15.5	0.04	1250
MELOSIRA MONILIFORMIS - - - - -	15.5	0.04	1250
NITZSCHIA CLOSTERIUM - - - - -	18.0	0.03	1000
PLEUROSIGMA SP. - - - - -	18.0	0.03	1000
CHAETOCEROS SIMPLEX - - - - -	18.0	0.03	1000
GYMNODINIUM SP. - - - - -	21.0	0.02	750
RHIZOSOLENIA HEBETATA F. SEMISPINA	21.0	0.02	750
CERATIUM FUSUS - - - - -	21.0	0.02	750
CHAETOCEROS CONSTRICTUS - - - - -	23.5	0.01	500
RHIZOSOLENIA SHRUBSOLEI - - - - -	23.5	0.01	500
COSCINODISCUS EXCENTRICUS - - - -	25.5	0.01	250
DISTEPHANUS SPECULUM - - - - -	25.5	0.01	250
TOTALS	26	100	3391596

PERCENT
OF
TOTAL

DIATOM - - - - -	98.07
DINOFLAGELLATE -	1.12
OTHER - - - - -	0.81

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
7PR	6 AUG 77	10:48:00	40 45.2 N	72 29.4 W
	SONIC DEPTH 28	SURFACE TEMPERATURE 20	ONE % LIGHT DEPTH 21	

DEPTH
0.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - -	1.0	47.39	63490
PERIDINIUM TROCHOIDEUM - - - - -	2.0	14.22	19050
SKELETONEMA COSTATUM - - - - -	3.0	10.46	14020
THALASSIONEMA NITZSCHIOIDES - - -	4.0	6.98	9346
PERIDINIUM FAEROENSE - - - - -	5.0	4.74	6349
PROROCENTRUM MICANS - - - - -	6.0	3.49	4673
LEPTOCYLINDRUS DANICUS - - - - -	7.0	2.79	3738
NITZSCHIA DELICATISSIMA - - - - -	8.0	2.62	3505
ASTERIONELLA JAPONICA - - - - -	9.0	1.74	2336
CERATAULINA PELAGICA - - - - -	10.0	1.57	2103
EXUVIELLA MARINA - - - - -	11.0	1.22	1636
NITZSCHIA SERIATA - - - - -	12.5	0.70	934
LITHODESMIUM UNDULATUM - - - - -	12.5	0.70	934
GYRODINIUM SP. - - - - -	14.0	0.52	700
NITZSCHIA CLOSTERIUM - - - - -	15.0	0.35	467
RHIZOSOLENIA HEBETATA F. SEMISPINA	17.0	0.17	233
CORETHRON CRIOPHILUM - - - - -	17.0	0.17	233
CERATIUM FUSUS - - - - -	17.0	0.17	233
TOTALS	18	100	133980

PERCENT
O F
TOTAL

DIATOM - - - - -	28.25
DINOFLAGELLATE - -	71.75
OTHER - - - - -	0.00

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 7PR	DATE 6 AUG 77	TIME 10:48:00	LATITUDE 40 45.2 N	LONGITUDE 72 29.4 W
	SONIC DEPTH 28	SURFACE TEMPERATURE 20	ONE % LIGHT DEPTH 21	

DEPTH
21.0

S P E C I E S	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	95.15	2338000
ASTERIONELLA JAPONICA - - - - -	2.0	0.81	20000
UNIDENTIFIED DINOFLAGELLATES - -	4.0	0.71	17530
MONADI - - - - -	4.0	0.71	17530
UNIDENTIFIED FLAGELLATE - - - -	4.0	0.71	17530
THALASSIONEMA NITZSCHIOIDES - - -	6.0	0.43	10540
NITZSCHIA DELICATISSIMA - - - -	7.0	0.40	9892
CHAETOCEROS AFFINIS V. WILLEY - -	8.0	0.15	3656
CERATIUM LINEATUM - - - - -	9.0	0.14	3441
NITZSCHIA SERIATA - - - - -	10.0	0.10	2366
NITZSCHIA CLOSTERIUM - - - - -	11.0	0.09	2151
GYMNODINIUM SP. - - - - -	12.0	0.08	1935
LEPTOCYLINDRUS DANICUS - - - - -	13.5	0.06	1505
DISTEPHANUS SPECULUM - - - - -	13.5	0.06	1505
THALASSIOSIRA DECIPIENS - - - -	15.5	0.05	1290
MELOSIRA MONILIFORMIS - - - - -	15.5	0.05	1290
CHAETOCEROS DEBILE - - - - -	17.0	0.04	1075
RHIZOSOLENIA HEBETATA F. SEMISPINA	19.0	0.03	860
EXUVIELLA MARINA - - - - -	19.0	0.03	860
CHAETOCEROS SP. - - - - -	19.0	0.03	860
PLEUROSIGMA SP. - - - - -	21.5	0.03	645
GONYAULAX SP. - - - - -	21.5	0.03	645
CHAETOCEROS GRACILE - - - - -	23.5	0.02	430
COSCIINODISCUS RADIATUS - - - - -	23.5	0.02	430
PROROCENTRUM MICANS - - - - -	27.5	0.01	215
CERATIUM FUSUS - - - - -	27.5	0.01	215
CHAETOCEROS SIMPLEX - - - - -	27.5	0.01	215
DITYLUM BRIGHTWELLII - - - - -	27.5	0.01	215
NAVICULA SP. - - - - -	27.5	0.01	215
DINOPHYSIS ACUMINATA - - - - -	27.5	0.01	215
TOTALS	30	100	2457256

PERCENT
O F
TOTAL

DIATOM - - - - - 97.49
DINOFLAGELLATE - 1.02
OTHER - - - - - 1.49

STATION	DATE	TIME	LATITUDE	LONGITUDE
9	6 AUG 77	16:32:00	40 46.2 N	72 29.8 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
28	20	-

DEPTH
20.0

S P E C I E S	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	97.27	12440000
ASTERIONELLA JAPONICA - - - - -	2.0	0.47	60360
MONADI - - - - -	3.0	0.40	50860
NITZSCHIA DELICATISSIMA - - - - -	4.0	0.37	46880
UNIDENTIFIED FLAGELLATE - - - - -	5.0	0.34	43590
CHAETOCEROS DIFFICILE - - - - -	6.0	0.34	43370
UNIDENTIFIED DINOFLAGELLATES - - - - -	7.0	0.17	21800
THALASSIONEMA NITZSCHIOIDES - - - - -	8.0	0.14	18170
NITZSCHIA SERIATA - - - - -	9.0	0.13	16410
CYCLOTELLA NANA - - - - -	10.0	0.11	14530
THALASSIOSIRA DECIPIENS - - - - -	11.0	0.04	5274
LEPTOCYLINDRUS DANICUS - - - - -	12.0	0.04	4688
DISTEPHANUS SPECULUM - - - - -	13.0	0.03	4102
CERATIUM LINEATUM - - - - -	14.0	0.03	3516
COSCIINODISCUS SP. - - - - -	15.5	0.02	2344
PLEUROSIGMA SP. - - - - -	15.5	0.02	2344
DITYLUM BRIGHTWELLII - - - - -	18.0	0.01	1758
CHAETOCEROS GRACILE - - - - -	18.0	0.01	1758
NAVICULA SP. - - - - -	18.0	0.01	1758
EXUVIELLA MARINA - - - - -	21.0	0.01	1172
CHAETOCEROS AFFINIS V. WILLEY - - - - -	21.0	0.01	1172
CHAETOCEROS DIDYMUS - - - - -	21.0	0.01	1172
NITZSCHIA CLOSTERIUM - - - - -	24.5	0.00	586
CHAETOCEROS SIMPLEX - - - - -	24.5	0.00	586
RHIZOSOLENIA SETIGERA - - - - -	24.5	0.00	586
PROROCENTRUM MICANS - - - - -	24.5	0.00	586
TOTALS	26	100	12789372

PERCENT
O F
TOTAL

DIATOM - - - - -	99.02
DINOFLAGELLATE - - - - -	0.21
OTHER - - - - -	0.77

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
10	6 AUG 77	20:45:00	40 46.0 N	72 29.9 W
	SONIC DEPTH 27	SURFACE TEMPERATURE 21	ONE % LIGHT DEPTH -	
DEPTH 18.0				

SPECIES	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	97.61	4709000
UNIDENTIFIED FLAGELLATE - - - - -	2.5	0.45	21620
UNIDENTIFIED DINOFLAGELLATES - -	2.5	0.45	21620
CHAETOCEROS DIFFICILE - - - - -	4.0	0.36	17510
CERATIUM LINEATUM - - - - -	5.0	0.21	10340
THALASSIONEMA NITZSCHIOIDES - - -	6.0	0.18	8488
NITZSCHIA DELICATISSIMA - - - -	7.0	0.11	5305
LEPTOCYLINDRUS DANICUS - - - - -	8.0	0.07	3448
CHAETOCEROS DIDYMUS - - - - -	9.5	0.07	3183
ASTERIONELLA JAPONICA - - - - -	9.5	0.07	3183
NITZSCHIA SERIATA - - - - -	11.5	0.05	2653
RHIZOSOLENIA ALATA V. GRACILLIMA	11.5	0.05	2653
THALASSIOSIRA DECIPIENS - - - -	13.0	0.04	2122
CHAETOCEROS SIMPLEX - - - - -	14.5	0.04	1857
COSCIINODISCUS SP. - - - - -	14.5	0.04	1857
CHAETOCEROS AFFINIS V. WILLEY - -	16.0	0.03	1592
CHAETOCEROS COMPRESSUS - - - - -	18.5	0.02	1061
MELOSIRA MONILIFORMIS - - - - -	18.5	0.02	1061
NITZSCHIA CLOSTERIUM - - - - -	18.5	0.02	1061
GYMNODINIUM SP. - - - - -	18.5	0.02	1061
CERATIUM FUSUS - - - - -	22.5	0.01	530
RHIZOSOLENIA HEBETATA F. SEMISPINA	22.5	0.01	530
GUINARDIA FLACCIDA - - - - -	22.5	0.01	530
EXUVIELLA MARINA - - - - -	22.5	0.01	530
CHAETOCEROS GRACILE - - - - -	27.0	0.01	265
DITYLUM BRIGHTWELLII - - - - -	27.0	0.01	265
PROROCENTRUM MICANS - - - - -	27.0	0.01	265
PERIDINIUM SP. - - - - -	27.0	0.01	265
DISTEPHANUS SPECULUM - - - - -	27.0	0.01	265
TOTALS	29	100	4824120

PERCENT
OF
TOTAL

DIATOM - - - - -	98.83
DINOFLAGELLATE -	0.72
OTHER - - - - -	0.45

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION	DATE	TIME	LATITUDE	LONGITUDE
11	7 AUG 77	00:34:00	40 46.2 N	72 29.9 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
28	18	-

DEPTH
24.0

S P E C I E S	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	93.19	2360000
UNIDENTIFIED DINOFLAGELLATES - -	2.5	1.60	40460
MONADI - - - - -	2.5	1.60	40460
UNIDENTIFIED FLAGELLATE - - - - -	4.0	1.33	33720
ASTERIONELLA JAPONICA - - - - -	5.0	0.86	21840
NITZSCHIA DELICATISSIMA - - - - -	6.0	0.34	8685
THALASSIONEMA NITZSCHIOIDES - -	7.0	0.23	5707
CHAETOCEROS DIFFICILE - - - - -	8.0	0.20	4963
LEPTOCYLINDRUS DANICUS - - - - -	9.0	0.13	3226
NITZSCHIA SERIATA - - - - -	10.0	0.10	2481
CERATIUM LINEATUM - - - - -	11.0	0.09	2233
CYCLOTELLA NANA - - - - -	12.5	0.08	1985
GYMNODINIUM SP. - - - - -	12.5	0.08	1985
NITZSCHIA CLOSTERIUM - - - - -	14.5	0.04	992
CHAETOCEROS AFFINIS V. WILLEY -	14.5	0.04	992
CHAETOCEROS DIDYMUS - - - - -	16.0	0.03	744
PROROCENTRUM MICANS - - - - -	17.0	0.02	496
CHAETOCEROS GRACILE - - - - -	20.5	0.01	248
RHIZOSOLENIA HEBETATA F. SEMISPINA	20.5	0.01	248
DITYLUM BRIGHTWELLII - - - - -	20.5	0.01	248
COSCIINODISCUS MARGINATUS - - - - -	20.5	0.01	248
CERATIUM FUSUS - - - - -	20.5	0.01	248
GYRODINIUM SP. - - - - -	20.5	0.01	248
TOTALS	23	100	2532457

PERCENT
O F
TOTAL

DIATOM - - - - -	95.27
DINOFLAGELLATE -	1.80
OTHER - - - - -	2.93

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 12	DATE 7 AUG 77	TIME 04:50:00	LATITUDE 40 46.5 N	LONGITUDE 72 30.1 W
SONIC DEPTH 28		SURFACE TEMPERATURE 19	ONE % LIGHT DEPTH -	

DEPTH
16.0

S P E C I E S	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	94.32	2413000
ASTERIONELLA JAPONICA - - - - -	2.0	1.84	47000
MONADI - - - - -	3.0	1.09	27800
UNIDENTIFIED FLAGELLATE - - - - -	4.5	0.54	13900
UNIDENTIFIED DINOFLAGELLATES - -	4.5	0.54	13900
NITZSCHIA DELICATISSIMA - - - - -	6.0	0.36	9207
CHAETOCEROS DIFFICILE - - - - -	7.0	0.32	8184
THALASSIONEMA NITZSCHIOIDES - - -	8.0	0.15	3836
CERATIUM LINEATUM - - - - -	9.0	0.14	3581
LEPTOCYLINDRUS DANICUS - - - - -	10.0	0.13	3325
NITZSCHIA SERIATA - - - - -	11.0	0.11	2813
GYMNODINIUM SP. - - - - -	12.0	0.08	2046
CHAETOCEROS DEBILE - - - - -	13.0	0.05	1279
COSINOSIRA OESTRUPII - - - - -	15.0	0.04	1023
RHIZOSOLENIA ALATA V. GRACILLIMA	15.0	0.04	1023
COSCINODISCUS EXCENTRICUS - - - -	15.0	0.04	1023
CHAETOCEROS DIDYMUS - - - - -	18.0	0.03	767
CHAETOCEROS SIMPLEX - - - - -	18.0	0.03	767
CERATIUM FUSUS - - - - -	18.0	0.03	767
CHAETOCEROS AFFINIS - - - - -	21.5	0.02	511
CHAETOCEROS GRACILE - - - - -	21.5	0.02	511
EXUVIELLA MARINA - - - - -	21.5	0.02	511
PROROCENTRUM MICANS - - - - -	21.5	0.02	511
RHIZOSOLENIA HEBETATA F. SEMISPINA	25.5	0.01	255
PLEUROSIGMA SP. - - - - -	25.5	0.01	255
DINOPHYSIS ACUMINATA - - - - -	25.5	0.01	255
DISTEPHANUS SPECULUM - - - - -	25.5	0.01	255
TOTALS	27	100	2558305

PERCENT
O F
TOTAL

DIATOM - - - - -	97.52
DINOFLAGELLATE -	0.84
OTHER - - - - -	1.64

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 13	DATE 7 AUG 77	TIME 08:43:00	LATITUDE 40 46.5 N	LONGITUDE 72 29.9 W
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SONIC DEPTH 26	SURFACE TEMPERATURE 19	ONE % LIGHT DEPTH -
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DEPTH
23.0

S P E C I E S	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	97.77	899200
MONADI - - - - -	2.0	0.71	6548
PROROCENTRUM MICANS - - - - -	3.0	0.37	3373
THALASSIONEMA NITZSCHIOIDES - - -	4.5	0.29	2651
DISTEPHANUS SPECULUM - - - - -	4.5	0.29	2651
COSCINODISCUS SP. - - - - -	6.0	0.16	1446
PLEUROSIGMA SP. - - - - -	7.5	0.10	963
RHIZOSOLENIA HEBETATA F. SEMISPINA	7.5	0.10	963
CERATIUM LINEATUM - - - - -	9.0	0.08	722
NITZSCHIA CLOSTERIUM - - - - -	10.5	0.05	481
EXUVIELLA MARINA - - - - -	10.5	0.05	481
DINOPHYSIS ACUMINATA - - - - -	12.0	0.03	241
TOTALS	12	100	919720

PERCENT
O F
TOTAL

DIATOM - - - - -	98.48
DINOFLAGELLATE -	0.52
OTHER - - - - -	1.00

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 14	DATE 7 AUG 77	TIME 12:18:00	LATITUDE 40 46.7 N	LONGITUDE 72 29.9 W
	SONIC DEPTH 26	SURFACE TEMPERATURE 18	ONE % LIGHT DEPTH -	
DEPTH 22.0				

S P E C I E S	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	96.86	7903000
MONADI - - - - -	2.0	1.18	96130
UNIDENTIFIED DINOFLAGELLATES - -	3.0	0.55	44860
ASTERIONELLA JAPONICA - - - - -	4.0	0.24	19340
UNIDENTIFIED FLAGELLATE - - - - -	5.0	0.24	19230
LEPTOCYLINDRUS DANICUS - - - - -	6.0	0.17	13920
CHAETOCEROS DEBILE - - - - -	7.0	0.12	9918
NITZSCHIA SERIATA - - - - -	8.0	0.11	9019
THALASSIONEMA NITZSCHIOIDES - -	9.0	0.11	8726
CHAETOCEROS MESSANENSE - - - - -	10.0	0.09	7311
CERATIUM LINEATUM - - - - -	11.0	0.07	5425
CHAETOCEROS DIFFICILE - - - - -	12.0	0.06	5189
NITZSCHIA CLOSTERIUM - - - - -	13.0	0.05	4245
PROROCENTRUM MICANS - - - - -	14.0	0.04	3538
CHAETOCEROS GRACILE - - - - -	15.0	0.04	3066
DISTEPHANUS SPECULUM - - - - -	16.0	0.02	1415
COSCINODISCUS SP. - - - - -	17.5	0.01	1179
RHIZOSOLENIA SP. - - - - -	17.5	0.01	1179
RHIZOSOLENIA HEBETATA F. SEMISPINA	20.0	0.01	471
CORETHRON CRIOPHILUM - - - - -	20.0	0.01	471
EXUVIELLA MARINA - - - - -	20.0	0.01	471
BIDDULPHIA MOBILIENSIS - - - - -	23.5	0.00	235
NAVICULA SP. - - - - -	23.5	0.00	235
CERATIUM FUSUS - - - - -	23.5	0.00	235
PERIDINIUM SP. - - - - -	23.5	0.00	235
TOTALS	25	100	8159043

PERCENT
O F
TOTAL

DIATOM - - - - -	97.90
DINOFLAGELLATE -	0.67
OTHER - - - - -	1.43

- DATA NOT TAKEN

STATION 15	DATE 7 AUG 77	TIME 16:17:00	LATITUDE 40 41.2 N	LONGITUDE 72 26.3 W
	SONIC DEPTH 36	SURFACE TEMPERATURE 21	ONE % LIGHT DEPTH -	
DEPTH 20.0				

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	38.87	27280
UNIDENTIFIED DINOFLAGELLATES - -	2.0	23.32	16370
SKELETONEMA COSTATUM - - - - -	3.0	20.89	14660
UNIDENTIFIED FLAGELLATE - - - - -	4.0	7.77	5457
THALASSIONEMA NITZSCHIOIDES - -	5.0	6.01	4217
PROROCENTRUM MICANS - - - - -	6.0	1.14	803
DISTEPHANUS SPECULUM - - - - -	7.0	0.86	602
ASTERIONELLA JAPONICA - - - - -	8.0	0.57	401
EXUVIELLA MARINA - - - - -	9.5	0.28	200
CERATIUM LINEATUM - - - - -	9.5	0.28	200
TOTALS	10	100	70190

PERCENT O F TOTAL	
DIATOM - - - - -	27.47
DINOFLAGELLATE -	25.04
OTHER - - - - -	47.50

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 17	DATE 7 AUG 77	TIME 20:30:00	LATITUDE 40 31.0 N	LONGITUDE 72 17.2 W
	SONIC DEPTH 53	SURFACE TEMPERATURE 23	ONE % LIGHT DEPTH -	

DEPTH
25.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	46.81	29640
MONADI - - - - -	2.0	21.27	13470
OPHIASTER FORMOSUS - - - - -	3.5	10.64	6737
GYMNODINIUM SP. - - - - -	3.5	10.64	6737
CYCLOTELLA NANA - - - - -	5.0	6.38	4042
PROROCENTRUM MICANS - - - - -	6.5	2.13	1347
RHIZOSOLENIA HEBETATA F. SEMISPINA	6.5	2.13	1347
TOTALS	7	100	63320

PERCENT
O F
TOTAL

DIATOM - - - - - 8.51
DINOFLAGELLATE - 12.77
OTHER - - - - - 78.72

- DATA NOT TAKEN

STATION 18	DATE 7 AUG 77	TIME 22:37:00	LATITUDE 40 25.4 N	LONGITUDE 72 12.6 W
	SONIC DEPTH 57	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	
DEPTH 19.0				

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	42.86	69360
MONADI - - - - -	2.0	26.67	43160
GYMNODINIUM SP. - - - - -	3.0	14.29	23120
COCCOLITHUS SP. - - - - -	4.0	11.43	18500
OPHIASTER FORMOSUS - - - - -	5.0	3.81	6165
PROROCENTRUM MICANS - - - - -	6.0	0.95	1541
TOTALS	6	100	161846

PERCENT O F TOTAL	
DIATOM - - - - -	0.00
DINOFLAGELLATE -	15.24
OTHER - - - - -	84.76

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 19	DATE 8 AUG 77	TIME 04:31:00	LATITUDE 40 19.6 N	LONGITUDE 72 8.8 W
	SONIC DEPTH 62	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	
DEPTH 20.0				

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	61.91	54930
OPHIASTER FORMOSUS - - - - -	2.5	15.87	14080
MONADI - - - - -	2.5	15.87	14080
GYMNODINIUM SP. - - - - -	4.0	4.76	4225
NAVICULA SP. - - - - -	5.0	1.59	1408
TOTALS	5	100	88723

	PERCENT O F TOTAL
DIATOM - - - - -	1.59
DINOFLLAGELLATE -	4.76
OTHER - - - - -	93.65

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 20	DATE 8 AUG 77	TIME 05:58:00	LATITUDE 40 14.6 N	LONGITUDE 72 4.3 W
SONIC DEPTH 62		SURFACE TEMPERATURE 23	ONE % LIGHT DEPTH -	

DEPTH
20.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	52.58	57590
OPHIASTER FORMOSUS - - - - -	2.0	15.47	16940
MONADI - - - - -	3.0	14.43	15810
GYMNODINIUM SP. - - - - -	4.0	10.31	11290
COSCIINODISCUS SP. - - - - -	5.0	6.19	6776
NITZSCHIA CLOSTERIUM - - - - -	6.0	1.03	1129
TOTALS	6	100	109535

PERCENT O F TOTAL	
DIATOM - - - - -	7.22
DINOFLAGELLATE -	10.31
OTHER - - - - -	82.48

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 21	DATE 8 AUG 77	TIME 07:40:00	LATITUDE 40 9.4 N	LONGITUDE 71 59.8 W
	SONIC DEPTH 65	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	
DEPTH 20.0				

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	60.69	79600
MONADI - - - - -	2.0	12.82	16820
GYMNODINIUM SP. - - - - -	3.0	10.25	13450
PERIDINIUM TROCHOIDEUM - - - - -	4.0	9.40	12330
OPHIASTER FORMOSUS - - - - -	5.0	6.84	8969
TOTALS	5	100	131169

PERCENT O F TOTAL	
DIATOM - - - - -	0.00
DINOFLAGELLATE -	19.65
OTHER - - - - -	80.35

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 22PR	DATE 8 AUG 77	TIME 10:46:00	LATITUDE 40 7.4 N	LONGITUDE 71 58.9 W

	SONIC DEPTH 74	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH 37	

DEPTH
0.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	56.41	54660
GYMNODINIUM SP. - - - - -	2.0	15.39	14910
MONADI - - - - -	3.0	10.26	9938
PERIDINIUM FAEROENSE - - - - -	4.5	7.69	7453
COCCOLITHUS SP. - - - - -	4.5	7.69	7453
NAVICULA SP. - - - - -	6.5	1.28	1242
PERIDINIUM TROCHOIDEUM - - - - -	6.5	1.28	1242
TOTALS	7	100	96898

	PERCENT O F TOTAL
DIATOM - - - - -	1.28
DINOFLAGELLATE -	24.36
OTHER - - - - -	74.36

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 22PR	DATE 8 AUG 77	TIME 10:46:00	LATITUDE 40 7.4 N	LONGITUDE 71 58.9 W
	SONIC DEPTH 74	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH 37	

DEPTH
32.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	76.53	13040
OPHIASTER FORMOSUS - - - - -	2.0	5.87	1000
COSCIINODISCUS CONCINNUS - - - -	3.0	4.69	800
COCCOLITHUS SP. - - - - -	4.0	3.52	600
MONADI - - - - -	5.5	2.35	400
GYMNODINIUM SP. - - - - -	5.5	2.35	400
COSCIINODISCUS LINEATUS - - - - -	8.5	1.17	200
NITZSCHIA CLOSTERIUM - - - - -	8.5	1.17	200
PROROCENTRUM MICANS - - - - -	8.5	1.17	200
CERATIUM TRIPOS - - - - -	8.5	1.17	200
TOTALS	10	100	17040

PERCENT
O F
TOTAL

DIATOM - - - - - 7.04
DINOFLAGELLATE - 4.69
OTHER - - - - - 88.26

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 23	DATE 8 AUG 77	TIME 13:30:00	LATITUDE 40 5.0 N	LONGITUDE 71 55.5 W
SONIC DEPTH 77		SURFACE TEMPERATURE 24	ONE % LIGHT DEPTH -	
DEPTH 31.0				

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	62.62	29910
OPHIASTER FORMOSUS - - - - -	2.0	17.94	8571
DACTYLIOSOLEN MEDITERRANEUS - -	3.0	8.97	4286
HALOPAPUS ADRIATICUS - - - - -	4.0	3.36	1607
GYMNODINIUM SP. - - - - -	5.5	1.87	892
COCCOLITHUS SP. - - - - -	5.5	1.87	892
COSCINODISCUS LINEATUS - - - - -	7.0	1.49	714
COSCINODISCUS SP. - - - - -	8.0	1.12	535
RHABDOSPHAERA STYLIFER - - - - -	9.0	0.75	357
TOTALS	9	100	47764

PERCENT O F TOTAL	
DIATOM - - - - -	11.59
DINOFLAGELLATE -	1.87
OTHER - - - - -	86.54

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION	DATE	TIME	LATITUDE	LONGITUDE
24	8 AUG 77	15:24:00	40 2.5 N	71 53.3 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
83	24	-

DEPTH
20.0

SPECIES	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	71.92	55840
UNIDENTIFIED DINOFLAGELLATES - -	2.0	23.97	18610
CERATIUM EXTENSUM - - - - -	3.0	1.18	913
GYMNODINIUM SP. - - - - -	4.0	0.88	685
NAVICULA SP. - - - - -	5.0	0.59	456
CERATIUM LINEATUM - - - - -	8.0	0.29	228
GYRODINIUM SP. - - - - -	8.0	0.29	228
RHIZOSOLENIA ALATA V. GRACILLIMA	8.0	0.29	228
COCCOLITHUS SP. - - - - -	8.0	0.29	228
PERIDINIUM FAEROENSE - - - - -	8.0	0.29	228
TOTALS	10	100	77644

PERCENT
OF
TOTAL

DIATOM - - - - -	0.88
DINOFLAGELLATE -	26.91
OTHER - - - - -	72.21

- DATA NOT TAKEN

STATION 25	DATE 8 AUG 77	TIME 16:56:00	LATITUDE 39 59.5 N	LONGITUDE 71 52.0 W
SONIC DEPTH 95		SURFACE TEMPERATURE 24	ONE % LIGHT DEPTH -	

DEPTH
40.0

S P E C I E S		RANK	%	NO/L
UNIDENTIFIED FLAGELLATE	- - - -	1.0	65.26	12190
COCCOLITHUS SP.	- - - - -	2.0	21.75	4063
OPHIASTER FORMOSUS	- - - - -	3.0	7.00	1308
COCCOLITHUS HUXLEYI	- - - - -	5.0	2.00	373
BACTERIASTRUM DELICATUM	- - - - -	5.0	2.00	373
PERIDINIUM TROCHOIDEUM	- - - - -	5.0	2.00	373
TOTALS		6	100	18680

PERCENT
O F
TOTAL

DIATOM	- - - - -	2.00
DINOFLAGELLATE	-	2.00
OTHER	- - - - -	96.01

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION	DATE	TIME	LATITUDE	LONGITUDE
26	8 AUG 77	18:31:00	39 56.5 N	71 49.6 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
113	25	-

DEPTH
36.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - - -	1.0	45.17	4776
OPHIASTER FORMOSUS - - - - -	2.0	29.92	3163
NITZSCHIA DELICATISSIMA - - - - -	3.0	14.96	1582
MONADI - - - - -	4.5	3.32	351
LEPTOCYLINDRUS DANICUS - - - - -	4.5	3.32	351
NITZSCHIA CLOSTERIUM - - - - -	6.5	1.66	175
COCCOLITHUS HUXLEYI - - - - -	6.5	1.66	175
TOTALS	7	100	10573

	PERCENT O F TOTAL
DIATOM - - - - -	19.94
DINOFLAGELLATE -	0.00
OTHER - - - - -	80.06

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION	DATE	TIME	LATITUDE	LONGITUDE
27	8 AUG 77	20:03:00	39 54.4 N	71 48.0 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
137	25	-

DEPTH
42.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - -	1.0	59.45	78770
UNIDENTIFIED FLAGELLATE - - - - -	2.0	29.72	39380
GYMNODINIUM SP. - - - - -	3.0	2.46	3261
OPHIASTER FORMOSUS - - - - -	4.0	2.13	2826
MONAD[- - - - -	5.0	1.80	2391
COCCOLITHUS HUXLEYI - - - - -	6.0	1.48	1957
HALOPAPUS ADRIATICUS - - - - -	7.0	0.98	1304
SYRACOSPHAERA SP. - - - - -	8.0	0.66	869
NITZSCHIA CLOSTERIUM - - - - -	9.0	0.49	652
NAVICULA SP. - - - - -	10.5	0.33	434
RHABDOSPHAERA STYLIFER - - - - -	10.5	0.33	434
PERIDINIUM SP. - - - - -	12.0	0.16	217
TOTALS	12	100	132495

PERCENT
O F
TOTAL

DIATOM - - - - -	0.82
DINOFLAGELLATE -	62.08
OTHER - - - - -	37.10

- DATA NOT TAKEN

STATION 28	DATE 8 AUG 77	TIME 22:21:00	LATITUDE 39 51.4 N	LONGITUDE 71 45.1 W
	SONIC DEPTH 250	SURFACE TEMPERATURE 25	ONE % LIGHT DEPTH -	
DEPTH 45.0				

S P E C I E S	RANK	%	NO/L
OPHIASTER FORMOSUS - - - - -	1.0	23.67	5283
UNIDENTIFIED FLAGELLATE - - - - -	2.5	22.96	5125
UNIDENTIFIED DINOFLAGELLATES - -	2.5	22.96	5125
DACTYLIOSOLEN MEDITERRANEUS - - -	4.0	16.91	3774
GYMNODINIUM SP. - - - - -	5.5	3.38	754
GYRODINIUM SP. - - - - -	5.5	3.38	754
RHABDOSPHAERA CLAVIGER - - - - -	8.0	1.69	377
COCCOLITHUS SP. - - - - -	8.0	1.69	377
MONADI - - - - -	8.0	1.69	377
HALOPAPUS ADRIATICUS - - - - -	10.5	0.84	188
COSCINODISCUS SP. - - - - -	10.5	0.84	188
TOTALS	11	100	22322

PERCENT
O F
TOTAL

DIATOM - - - - -	17.75
DINOFLAGELLATE -	29.72
OTHER - - - - -	52.54

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
29	9 AUG 77	00:09:00	39 49.4 N	71 43.7 W
	SONIC	SURFACE	ONE % LIGHT	
	DEPTH	TEMPERATURE	DEPTH	
	368	25	-	
DEPTH				
45.0				

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	45.99	18270
UNIDENTIFIED DINOFLAGELLATES - -	2.0	34.48	13700
OPHIASTER FORMOSUS - - - - -	3.0	3.39	1345
RHABDOSPHAERA CLAVIGER - - - - -	4.5	2.96	1176
PERIDINIUM TROCHOIDEUM - - - - -	4.5	2.96	1176
DACTYLIOSOLEN MEDITERRANEUS - - -	6.0	2.19	869
SYRACOSPHAERA SP. - - - - -	7.5	1.69	672
GYRODINIUM SP. - - - - -	7.5	1.69	672
COCCOLITHUS SP. - - - - -	9.5	1.27	504
GYMNODINIUM SP. - - - - -	9.5	1.27	504
HALOPAPUS ADRIATICUS - - - - -	13.0	0.42	168
CERATIUM EXTENSUM - - - - -	13.0	0.42	168
CERATIUM TRIPOS - - - - -	13.0	0.42	168
NITZSCHIA CLOSTERIUM - - - - -	13.0	0.42	168
DISTEPHANUS CRUX - - - - -	13.0	0.42	168
TOTALS	15	100	39728

PERCENT
O F
TOTAL

DIATOM - - - - - 2.61
DINOFLAGELLATE - 41.25
OTHER - - - - - 56.14

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 31	DATE 9 AUG 77	TIME 04:44:00	LATITUDE 39 44.0 N	LONGITUDE 71 39.5 W

	SONIC DEPTH 847	SURFACE TEMPERATURE 25	ONE % LIGHT DEPTH -	

DEPTH
45.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	40.41	10680
OPHIASTER FORMOSUS - - - - -	2.0	28.25	7466
COCCOLITHUS SP. - - - - -	3.0	23.92	6321
GYMNODINIUM SP. - - - - -	4.0	4.46	1179
DACTYLIOSOLEN MEDITERRANEUS - -	5.0	2.97	785
TOTALS	5	100	26431

	PERCENT O F TOTAL
DIATOM - - - - -	2.97
DINOFLAGELLATE -	4.46
OTHER - - - - -	92.57

- DATA NOT TAKEN

STATION 32	DATE 9 AUG 77	TIME 07:43:00	LATITUDE 39 39.0 N	LONGITUDE 71 35.5 W
SONIC DEPTH 1442		SURFACE TEMPERATURE 25	ONE % LIGHT DEPTH -	

DEPTH
36.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.5	40.33	41240
UNIDENTIFIED DINOFLAGELLATES - -	1.5	40.33	41240
HALOPAPUS ADRIATICUS - - - - -	3.0	6.56	6704
OPHIASTER FORMOSUS - - - - -	4.0	5.37	5490
COCCOLITHUS SP. - - - - -	5.0	3.12	3187
COCCOLITHUS HUXLEYI - - - - -	6.5	0.89	910
PERIDINIUM FAEROENSE - - - - -	6.5	0.89	910
NITZSCHIA CLOSTERIUM - - - - -	8.0	0.74	758
MONADI - - - - -	9.5	0.44	455
GYMNODINIUM SP. - - - - -	9.5	0.44	455
SYRACOSPHAERA SP. - - - - -	11.5	0.30	303
RHABDOSPHAERA CLAVIGER - - - - -	11.5	0.30	303
RHABDOSPHAERA STYLIFER - - - - -	13.5	0.15	151
PROROCENTRUM MICANS - - - - -	13.5	0.15	151
TOTALS	14	100	102257

PERCENT
O F
TOTAL

DIATOM - - - - -	0.74
DINOFLAGELLATE -	41.81
OTHER - - - - -	57.45

- DATA NOT TAKEN

STATION 33PR	DATE 9 AUG 77	TIME 11:02:00	LATITUDE 39 34.1 N	LONGITUDE 71 30.0 W
	SONIC DEPTH 1870	SURFACE TEMPERATURE -	ONE % LIGHT DEPTH 45	

DEPTH
30.0

S P E C I E S	RANK	%	NO/L
OPHIASTER FORMOSUS - - - - -	1.0	32.08	10000
GYMNODINIUM SP. - - - - -	2.0	18.51	5770
UNIDENTIFIED FLAGELLATE - - - - -	3.0	16.14	5030
DACTYLIOSOLEN MEDITERRANEUS - - - - -	4.0	13.07	4074
NITZSCHIA DELICATISSIMA - - - - -	5.0	7.13	2222
CHAETOCEROS MESSANENSE - - - - -	6.0	5.35	1667
COCCOLITHUS HUXLEYI - - - - -	9.0	1.19	370
SYRACOSPHAERA SP. - - - - -	9.0	1.19	370
CERATIUM LINEATUM - - - - -	9.0	1.19	370
COCCOLITHUS SP. - - - - -	9.0	1.19	370
LEPTOCYLINDRUS DANICUS - - - - -	9.0	1.19	370
RHABDOSPHAERA CLAVIGER - - - - -	13.0	0.59	185
COSCIINODISCUS SP. - - - - -	13.0	0.59	185
NITZSCHIA SP. - - - - -	13.0	0.59	185
TOTALS	14	100	31168

PERCENT
O F
TOTAL

DIATOM - - - - - 27.92
DINOFLAGELLATE - 19.70
OTHER - - - - - 52.38

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
34	10 AUG 77	08:21:00	40 9.6 N	72 1.2 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
66	24	-

DEPTH
26.0

S P E C I E S	RANK	%	NO/L
COCCOLITHUS SP. - - - - -	1.0	52.85	55850
UNIDENTIFIED FLAGELLATE - - - - -	2.0	33.98	35910
MONADI - - - - -	3.0	5.66	5985
COSCONODISCUS SP. - - - - -	4.0	2.50	2643
OPHIASTER FORMOSUS - - - - -	5.0	2.08	2203
GYMNODINIUM SP. - - - - -	6.0	1.46	1542
COSCONODISCUS CONCINNUS - - - - -	7.0	0.62	660
NITZSCHIA CLOSTERIUM - - - - -	8.0	0.42	440
COCCOLITHUS HUXLEYI - - - - -	9.5	0.21	220
DISTEPHANUS SPECULUM - - - - -	9.5	0.21	220
TOTALS	10	100	105673

	PERCENT O F TOTAL
DIATOM - - - - -	3.54
DINOFLAGELLATE - - - - -	1.46
OTHER - - - - -	95.00

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 35	DATE 10 AUG 77	TIME 13:07:00	LATITUDE 40 9.5 N	LONGITUDE 72 0.7 W

	SONIC DEPTH 66	SURFACE TEMPERATURE 24	ONE % LIGHT DEPTH -	

DEPTH
30.0

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	33.98	19160
UNIDENTIFIED FLAGELLATE - - - - -	2.0	33.59	18940
COCCOLITHUS SP. - - - - -	3.0	27.13	15300
COSCONODISCUS CONCINNUS - - - - -	4.0	1.95	1101
DACTYLIOSOLEN MEDITERRANEUS - - - - -	5.0	1.56	881
OPHIASTER FORMOSUS - - - - -	6.0	1.17	660
COSCONODISCUS EXCENTRICUS - - - - -	7.5	0.31	174
GYMNODINIUM SP. - - - - -	7.5	0.31	174

TOTALS	8	100	56390

	PERCENT O F TOTAL
DIATOM - - - - -	3.82
DINOFLAGELLATE - - - - -	0.31
OTHER - - - - -	95.87

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
39	11 AUG 77	04:52:00	40 9.3 N	72 0.1 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
66	24	-

DEPTH
25.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE	1.0	48.05	22180
MONADI	2.0	24.02	11090
COCCOLITHUS SP.	3.0	15.11	6975
OPHIASTER FORMOSUS	4.0	3.54	1633
RHIZOLENIA CALCAR AVIS	5.0	2.21	1020
SYRACOSPHAERA SP.	7.5	1.33	612
COCCOLITHUS HUXLEYI	7.5	1.33	612
GYMNODINIUM SP.	7.5	1.33	612
RHIZOLENIA HEBETATA F. SEMISPINA	7.5	1.33	612
COSCIINODISCUS SP.	10.0	0.88	408
PERIDINIUM SP.	11.5	0.44	204
NITZSCHIA CLOSTERIUM	11.5	0.44	204
TOTALS	12	100	46162

PERCENT
O F
TOTAL

DIATOM	4.86
DINOFLAGELLATE	1.77
OTHER	93.37

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION	DATE	TIME	LATITUDE	LONGITUDE
39	11 AUG 77	04:52:00	40 9.3 N	72 0.1 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
66	24	-

DEPTH
40.0

SPECIES	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	46.71	5236
OPHIASTER FORMOSUS - - - - -	2.0	30.94	3468
COSCIINODISCUS EXCENTRICUS - - -	3.0	12.03	1349
GYMNODINIUM SP. - - - - -	4.5	5.16	578
HALOPAPUS ADRIATICUS - - - - -	4.5	5.16	578
TOTALS	5	100	11209

	PERCENT OF TOTAL
DIATOM - - - - -	12.03
DINOFLLAGELLATE -	5.16
OTHER - - - - -	82.81

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
41	11 AUG 77	12:25:00	40 9.0 N	72 0.0 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
65	24	-

DEPTH
30.0

SPECIES	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	60.83	59410
COCCOLITHUS SP. - - - -	2.0	25.62	25020
COSCINODISCUS EXCENTRICUS - - -	3.0	4.71	4603
COSCINODISCUS LINEATUS - - - -	4.0	3.30	3222
COSCINODISCUS SP. - - - -	5.0	1.65	1611
MONADI - - - -	6.0	1.18	1151
COCCOLITHUS HUXLEYI - - - -	7.0	0.94	920
OPHIASTER FORMOSUS - - - -	8.0	0.82	805
DINOPHYSIS ACUMINATA - - - -	9.5	0.35	345
PERIDINIUM TROCHOIDEUM - - - -	9.5	0.35	345
PROROCENTRUM MICANS - - - -	11.5	0.12	115
GYMNODINIUM SP. - - - -	11.5	0.12	115
TOTALS	12	100	97662

PERCENT
OF
TOTAL

DIATOM - - - -	9.66
DINOFLAGELLATE -	0.94
OTHER - - - -	89.40

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 42	DATE 11 AUG 77	TIME 16:16:00	LATITUDE 40 9.5 N	LONGITUDE 72 0.5 W
	SONIC DEPTH 66	SURFACE TEMPERATURE 24	ONE % LIGHT DEPTH -	

DEPTH
30.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	88.17	43260
OPHIASTER FORMOSUS - - - - -	2.0	3.72	1824
COSCINODISCUS CONCINNUS - - - -	3.0	2.37	1161
GYMNODINIUM SP. - - - - -	4.0	1.69	829
COCCOLITHUS SP. - - - - -	5.5	1.35	663
MONADI - - - - -	5.5	1.35	663
PERIDINIUM FAEROENSE - - - - -	7.0	1.02	498
COSCINODISCUS EXCENTRICUS - - - -	8.0	0.34	165
TOTALS	8	100	49063

	PERCENT O F TOTAL
DIATOM - - - - -	2.70
DINOFLAGELLATE -	2.70
OTHER - - - - -	94.59

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
43	11 AUG 77	20:44:00	40 9.4 N	72 0.4 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
66	24	-

DEPTH
31.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	56.43	4751
OPHIASTER FORMOSUS - - - - -	2.0	18.68	1573
COSCINODISCUS LINEATUS - - - - -	3.0	8.30	699
COCCOLITHUS SP. - - - - -	4.0	6.22	524
HALOPAPUS ADRIATICUS - - - - -	5.5	4.15	349
MONADI - - - - -	5.5	4.15	349
GYMNODINIUM SP. - - - - -	7.0	2.07	174
TOTALS	7	100	8419

PERCENT
O F
TOTAL

DIATOM - - - - -	8.30
DINOFLAGELLATE -	2.07
OTHER - - - - -	89.63

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION	DATE	TIME	LATITUDE	LONGITUDE
45	14 AUG 77	12:00:00	39 41.9 N	73 34.4 W
	SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
	35	24	-	
DEPTH				
22.0				

S P E C I E S	RANK	%	NO/L
COSINOSIRA OESTRUPII - - - - -	1.0	27.60	21930
UNIDENTIFIED FLAGELLATE - - - - -	2.0	24.39	19380
MONADI - - - - -	3.0	21.31	16930
GYMNODINIUM SP. - - - - -	4.0	11.10	8820
COCCOLITHUS SP. - - - - -	5.0	9.76	7750
THALASSIONEMA NITZSCHIOIDES - - -	6.0	3.81	3030
THALASSIOSIRA SP. - - - - -	7.0	1.12	891
DISTEPHANUS SPECULUM - - - - -	8.0	0.67	534
COSCINODISCUS RADIATUS - - - - -	9.0	0.22	178
TOTALS	9	100	79443

	PERCENT OF TOTAL
DIATOM - - - - -	32.76
DINOFLLAGELLATE -	11.10
OTHER - - - - -	56.13

- DATA NOT TAKEN

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STATION      DATE      TIME      LATITUDE     LONGITUDE
  46         14 AUG 77   13:38:00    39 42.9 N   73 40.9 W
-----
          SONIC      SURFACE      ONE % LIGHT
          DEPTH      TEMPERATURE  DEPTH
           27         25         -
-----

DEPTH
  23.0
-----

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S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	31.43	31550
COSINOSIRA OESTRUPII - - - - -	2.0	30.73	30850
UNIDENTIFIED FLAGELLATE - - - - -	3.0	26.94	27040
THALASSIONEMA NITZSCHIOIDES - - -	4.0	5.62	5638
GYMNODINIUM SP. - - - - -	5.0	2.31	2322
THALASSIOSIRA SP. - - - - -	6.0	1.16	1161
COSCINODISCUS SP. - - - - -	7.0	0.66	663
MELOSIRA MONILIFORMIS - - - - -	8.0	0.50	497
COCCOLITHUS SP. - - - - -	9.0	0.33	331
PERIDINIUM SP. - - - - -	10.5	0.16	165
EBRIA TRIPARTITA - - - - -	10.5	0.16	165
TOTALS	11	100	100382

PERCENT
O F
TOTAL

DIATOM - - - - -	38.66
DINOFLAGELLATE -	2.48
OTHER - - - - -	58.86

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
47	14 AUG 77	14:58:00	39 45.2 N	73 50.9 W

	SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
	24	25	-	

DEPTH
13.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	47.81	255500
CYCLOTELLA NANA - - - - -	2.0	34.76	185800
UNIDENTIFIED DINOFLAGELLATES - -	3.0	13.04	69680
MONADI - - - - -	4.0	1.74	9290
COSINOSIRA OESTRUPII - - - - -	5.0	1.66	8889
THALASSIONEMA NITZSCHIOIDES - - -	6.0	0.42	2222
RHIZOSOLENIA ALATA V. GRACILLIMA	7.0	0.16	854
NITZSCHIA CLOSTERIUM - - - - -	9.0	0.10	512
CERATIUM TRIPOS - - - - -	9.0	0.10	512
EBRIA TRIPARTITA - - - - -	9.0	0.10	512
SYRACOSPHAERA SP. - - - - -	11.0	0.06	341
CERATIUM FUSUS - - - - -	12.5	0.03	170
GYMNODINIUM SP. - - - - -	12.5	0.03	170
TOTALS	13	100	534452

PERCENT
O F
TOTAL

DIATOM - - - - - 37.10
DINOFLAGELLATE - 13.20
OTHER - - - - - 49.70

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
47	14 AUG 77	14:58:00	39 45.2 N	73 50.9 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
24	25	-

DEPTH
15.0

SPECIES	RANK	%	NO/L
CYCLOTELLA NANA - - - - -	1.0	36.61	308200
UNIDENTIFIED FLAGELLATE - - - - -	2.0	26.85	226000
UNIDENTIFIED DINOFLAGELLATES - - - - -	3.0	17.08	143800
MONADI - - - - -	4.0	12.20	102700
THALASSIONEMA NITZSCHIOIDES - - - - -	5.0	5.21	43860
NITZSCHIA CLOSTERIUM - - - - -	6.0	0.90	7561
COSINOSIRA OESTRUPII - - - - -	7.0	0.83	6994
COSINODISCUS SP. - - - - -	8.0	0.20	1701
SYRACOSPHAERA SP. - - - - -	9.5	0.04	378
CERATIUM TRIPOS - - - - -	9.5	0.04	378
DINOPHYSIS NORVEGICA - - - - -	11.0	0.02	189
TOTALS	11	100	841761

	PERCENT OF TOTAL
DIATOM - - - - -	43.76
DINOFLAGELLATE - - - - -	17.15
OTHER - - - - -	39.09

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 48	DATE 14 AUG 77	TIME 16:30:00	LATITUDE 39 46.2 N	LONGITUDE 73 58.9 W
	SONIC DEPTH 22	SURFACE TEMPERATURE 23	ONE % LIGHT DEPTH -	

DEPTH
10.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	49.45	28210
UNIDENTIFIED DINOFLAGELLATES - -	2.5	16.48	9403
MONADI - - - - -	2.5	16.48	9403
COSINOSIRA OESTRUPII - - - - -	4.0	14.56	8304
THALASSIONEMA NITZSCHIOIDES - -	5.0	1.82	1038
COSCINODISCUS SP. - - - - -	6.0	0.91	519
CERATIUM TRIPOS - - - - -	7.0	0.30	173
TOTALS	7	100	57050

	PERCENT O F TOTAL
DIATOM - - - - -	17.28
DINOFLAGELLATE -	16.79
OTHER - - - - -	65.93

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 49	DATE 14 AUG 77	TIME 20:28:00	LATITUDE 39 46.3 N	LONGITUDE 73 46.1 W
SONIC DEPTH 25		SURFACE TEMPERATURE 25	ONE % LIGHT DEPTH -	
DEPTH 18.0				

S P E C I E S	RANK	%	NO/L
COSINOSIRA OESTRUPII - - - - -	1.0	31.15	51350
MONADI - - - - -	2.0	29.70	48960
THALASSIONEMA NITZSCHIOIDES - -	3.0	13.33	21980
UNIDENTIFIED FLAGELLATE - - - - -	4.5	11.88	19580
UNIDENTIFIED DINOFLAGELLATES - -	4.5	11.88	19580
CYCLOTELLA NANA - - - - -	6.5	0.55	900
COSCINODISCUS SP. - - - - -	6.5	0.55	900
THALASSIOSIRA DECIPIENS - - - - -	8.0	0.44	720
GYMNODINIUM SP. - - - - -	9.0	0.22	360
CHAETOCEROS GRACILE - - - - -	11.0	0.11	180
NAVICULA SP. - - - - -	11.0	0.11	180
DINOPHYSIS ACUTA - - - - -	11.0	0.11	180
TOTALS	12	100	164870

PERCENT O F TOTAL	
DIATOM - - - - -	46.22
DINOFLAGELLATE -	12.20
OTHER - - - - -	41.57

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 52	DATE 15 AUG 77	TIME 08:14:00	LATITUDE 39 46.0 N	LONGITUDE 73 46.0 W
SONIC DEPTH 25		SURFACE TEMPERATURE 24	ONE % LIGHT DEPTH -	

DEPTH
16.5

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - -	1.0	27.28	64280
MONADI - - - - -	2.0	24.80	58440
COSINOSIRA OESTRUPII - - - - -	3.0	21.63	50970
THALASSIONEMA NITZSCHIOIDES - - -	4.0	20.99	49460
UNIDENTIFIED FLAGELLATE - - - -	5.0	2.48	5844
EBRIA TRIPARTITA - - - - -	6.0	1.46	3441
COSCINODISCUS SP. - - - - -	7.0	0.82	1935
DISTEPHANUS SPECULUM - - - - -	8.0	0.27	645
PLEUROSIGMA SP. - - - - -	10.0	0.09	215
NITZSCHIA CLOSTERIUM - - - - -	10.0	0.09	215
DINOPHYSIS ACUTA - - - - -	10.0	0.09	215
TOTALS	11	100	235660

PERCENT
O F
TOTAL

DIATOM - - - - -	43.62
DINOFLAGELLATE -	27.37
OTHER - - - - -	29.01

- DATA NOT TAKEN

STATION 53	DATE 15 AUG 77	TIME 12:08:00	LATITUDE 39 46.6 N	LONGITUDE 73 46.8 W
SONIC DEPTH 24		SURFACE TEMPERATURE 25	ONE % LIGHT DEPTH -	

DEPTH
15.0

S P E C I E S	RANK	%	NO/L
COSINOSIRA OESTRUPII - - - - -	1.0	54.71	65130
THALASSIONEMA NITZSCHIOIDES - - -	2.0	27.16	32330
UNIDENTIFIED DINOFLAGELLATES - -	3.0	10.54	12550
MONADI - - - - -	4.0	5.27	6276
COSCINODISCUS SP. - - - - -	5.0	1.36	1617
DISTEPHANUS SPECULUM - - - - -	6.0	0.78	923
DINOPHYSIS ACUTA - - - - -	7.0	0.19	230
TOTALS	7	100	119056

PERCENT O F TOTAL	
DIATOM - - - - -	83.22
DINOFLAGELLATE -	10.73
OTHER - - - - -	6.05

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

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STATION      DATE      TIME      LATITUDE    LONGITUDE
  56         16 AUG 77  00:13:00  39 46.6 N   73 46.4 W
-----
                SONIC      SURFACE      ONE % LIGHT
                DEPTH      TEMPERATURE  DEPTH
                  25          24             -
-----

DEPTH
  14.5
-----

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S P E C I E S		RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES	- -	1.0	78.79	106000
COSINOSIRA OESTRUPII	- - - - -	2.0	18.86	25370
THALASSIONEMA NITZSCHICIDES	- -	3.0	2.18	2927
COSCINODISCUS SP.	- - - - -	4.0	0.18	243
	TOTALS	4	100	134540

```

PERCENT
  O F
  TOTAL

DIATOM - - - - - 21.21
DINOFLAGELLATE - 78.79
OTHER - - - - - 0.00

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- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
58	16 AUG 77	08:37:00	39 46.6 N	73 46.8 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
25	-	-

DEPTH
17.5

S P E C I E S	RANK	%	NO/L
COSINOSIRA OESTRUPII - - - - -	1.0	67.90	69970
THALASSIONEMA NITZSCHIOIDES - - -	2.0	16.61	17120
MONADI - - - - -	3.0	13.08	13480
NITZSCHIA CLOSTERIUM - - - - -	4.0	0.72	744
GYMNODINIUM SP. - - - - -	5.0	0.48	496
RHIZOSOLENIA SETIGERA - - - - -	8.0	0.24	248
RHIZOSOLENIA HEBETATA F. SEMISPINA	8.0	0.24	248
COSCINODISCUS SP. - - - - -	8.0	0.24	248
DISTEPHANUS SPECULUM - - - - -	8.0	0.24	248
CERATIUM TRIPOS - - - - -	8.0	0.24	248
TOTALS	10	100	103050

	PERCENT O F TOTAL
DIATOM - - - - -	85.96
DINOFLAGELLATE -	0.72
OTHER - - - - -	13.32

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
59	16 AUG 77	11:15:00	39 46.6 N	73 46.6 W
	SONIC DEPTH 24	SURFACE TEMPERATURE 25	ONE % LIGHT DEPTH -	
DEPTH 17.0				

S P E C I E S	RANK	%	NO/L
COSINOSIRA OESTRUPII - - - - -	1.0	30.70	41350
UNIDENTIFIED DINOFLAGELLATES - -	2.0	30.33	40860
MONADI - - - - -	3.0	18.96	25540
THALASSIONEMA NITZSCHIOIDES - - -	4.0	11.17	15040
UNIDENTIFIED FLAGELLATE - - - -	5.0	7.59	10220
EBRIA TRIPARTITA - - - - -	6.0	0.84	1128
COSCINODISCUS SP. - - - - -	7.0	0.28	375
DISTEPHANUS SPECULUM - - - - -	8.0	0.14	188
TOTALS	8	100	134701

	PERCENT O F TOTAL
DIATOM - - - - -	42.14
DINOFLAGELLATE -	30.33
OTHER - - - - -	27.52

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
61	16 AUG 77	20:42:00	39 46.4 N	73 45.2 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
25	25	-

DEPTH
17.5

SPECIES	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - -	1.0	50.86	75310
MONADI - - - - -	2.0	21.19	31380
COSINOSIRA OESTRUPII - - - - -	3.0	14.35	21250
THALASSIONEMA NITZSCHIOIDES - - -	4.0	7.33	10850
UNIDENTIFIED FLAGELLATE - - - - -	5.0	4.24	6276
COSCINODISCUS SP. - - - - -	6.0	1.56	2309
CERATIUM FUSUS - - - - -	8.0	0.16	230
CERATIUM TRIPOS - - - - -	8.0	0.16	230
PROROCENTRUM MICANS - - - - -	8.0	0.16	230
TOTALS	9	100	148065

PERCENT
OF
TOTAL

DIATOM - - - - -	23.24
DINOFLAGELLATE -	51.33
OTHER - - - - -	25.43

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION	DATE	TIME	LATITUDE	LONGITUDE
79	21 AUG 77	04:15:00	40 0.0 N	73 57.8 W
	SONIC	SURFACE	ONE % LIGHT	
	DEPTH	TEMPERATURE	DEPTH	
	21	23	-	
DEPTH				
13.0				

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	51.40	37060
COSINOSIRA OESTRUPII - - - - -	2.0	22.39	16140
THALASSIONEMA NITZSCHIOIDES - - - - -	3.0	15.76	11360
UNIDENTIFIED FLAGELLATE - - - - -	4.0	8.57	6176
PROROCENTRUM MICANS - - - - -	5.0	0.63	454
COSCINODISCUS SP. - - - - -	7.5	0.31	227
CERATIUM TRIPOS - - - - -	7.5	0.31	227
GYMNODINIUM SP. - - - - -	7.5	0.31	227
DISTEPHANUS SPECULUM - - - - -	7.5	0.31	227
TOTALS	9	100	72098

	PERCENT O F TOTAL
DIATOM - - - - -	38.46
DINOFLAGELLATE - - - - -	1.26
OTHER - - - - -	60.28

- DATA NOT TAKEN

STATION 83	DATE .21 AUG 77	TIME 18:45:00	LATITUDE 39 44.0 N	LONGITUDE 73 43.4 W
SONIC DEPTH 27		SURFACE TEMPERATURE 24	ONE % LIGHT DEPTH -	

DEPTH
18.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - -	1.0	37.09	43630
COSINOSIRA OESTRUPII - - - - -	2.0	26.12	30730
MONADI - - - - -	3.0	21.19	24930
THALASSIONEMA NITZSCHIOIDES - - -	4.0	14.62	17200
COSINODISCUS SP. - - - - -	5.0	0.39	458
NITZSCHIA CLOSTERIUM - - - - -	7.0	0.19	229
EBRIA TRIPARTITA - - - - -	7.0	0.19	229
GYMNODINIUM SP. - - - - -	7.0	0.19	229
TOTALS	8	100	117635

	PERCENT O F TOTAL
DIATOM - - - - -	41.33
DINOFLAGELLATE -	37.28
OTHER - - - - -	21.39

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 84	DATE 21 AUG 77	TIME 20:51:00	LATITUDE 39 42.4 N	LONGITUDE 73 35.0 W
SONIC DEPTH 36		SURFACE TEMPERATURE 24	ONE % LIGHT DEPTH -	

DEPTH
5.0

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	83.88	63030
COSINOSIRA OESTRUPII - - - - -	2.0	6.17	4639
EBRIA TRIPARTITA - - - - -	3.0	2.06	1546
PERIDINIUM SP. - - - - -	4.0	1.72	1289
RHIZOSOLENIA HEBETATA F. SEMISPINA	5.0	1.37	1031
PERIDINIUM FAEROENSE - - - - -	6.0	1.03	773
THALASSIONEMA NITZSCHIOIDES - -	8.5	0.69	515
NITZSCHIA CLOSTERIUM - - - - -	8.5	0.69	515
GYMNODINIUM SP. - - - - -	8.5	0.69	515
GYRODINIUM SP. - - - - -	8.5	0.69	515
PROROCENTRUM MICANS - - - - -	12.0	0.34	257
CALYPOSPHAERA SP. - - - - -	12.0	0.34	257
RHABDOSPHAERA STYLIFER - - - - -	12.0	0.34	257
TOTALS	13	100	75139

PERCENT
O F
TOTAL

DIATOM - - - - -	8.92
DINOFLAGELLATE -	4.46
OTHER - - - - -	86.63

- DATA NOT TAKEN

STATION 85	DATE 21 AUG 77	TIME 22:50:00	LATITUDE 39 40.8 N	LONGITUDE 73 25.5 W
SONIC DEPTH 37		SURFACE TEMPERATURE 23	ONE % LIGHT DEPTH -	
DEPTH 4.0				

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - -	1.0	51.07	57940
MONADI - - - - -	2.0	40.85	46350
GYMNODINIUM SP. - - - - -	3.0	2.44	2772
COSINOSIRA OESTRUPII - - - - -	4.0	1.88	2132
PERIDINIUM SP. - - - - -	5.0	1.32	1493
THALASSIONEMA NITZSCHIOIDES - - -	6.0	0.94	1066
GYRODINIUM SP. - - - - -	7.5	0.56	639
PROROCENTRUM DENTATUM - - - - -	7.5	0.56	639
CERATIUM TRIPOS - - - - -	9.5	0.19	213
EXUVIELLA MARINA - - - - -	9.5	0.19	213
TOTALS	10	100	113457

PERCENT O F TOTAL	
DIATOM - - - - -	2.82
DINOFLAGELLATE -	56.33
OTHER - - - - -	40.85

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 86	DATE 22 AUG 77	TIME 01:26:00	LATITUDE 39 39.3 N	LONGITUDE 73 15.6 W
SONIC DEPTH 38		SURFACE TEMPERATURE 23	ONE % LIGHT DEPTH -	

DEPTH
5.0

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	44.09	68240
UNIDENTIFIED DINOFLAGELLATES - -	2.0	40.08	62040
UNIDENTIFIED FLAGELLATE - - - -	3.0	8.02	12410
COSINOSIRA OESTRUPII - - - - -	4.0	2.36	3653
GYMNODINIUM SP. - - - - -	5.0	1.92	2968
GYRODINIUM SP. - - - - -	6.0	1.03	1598
PROROCENTRUM MICANS - - - - -	7.0	0.59	913
PERIDINIUM FAEROENSE - - - - -	8.5	0.44	684
CERATIUM FUSUS - - - - -	8.5	0.44	684
RHABDOSPHAERA STYLIFER - - - - -	10.5	0.29	456
COSCINODISCUS SP. - - - - -	10.5	0.29	456
EXUVIELLA MARINA - - - - -	13.0	0.15	228
DISTEPHANUS SPECULUM - - - - -	13.0	0.15	228
NITZSCHIA CLOSTERIUM - - - - -	13.0	0.15	228
TOTALS	14	100	154786

PERCENT
O F
TOTAL

DIATOM - - - - -	2.80
DINOFLAGELLATE -	44.65
OTHER - - - - -	52.55

- DATA NOT TAKEN

STATION 87	DATE 22 AUG 77	TIME 03:00:00	LATITUDE 39 37.9 N	LONGITUDE 73 8.1 W
SONIC DEPTH 38		SURFACE TEMPERATURE 23	ONE % LIGHT DEPTH -	

DEPTH
5.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - - -	1.0	54.55	146200
MONADI - - - - -	2.0	36.37	97480
UNIDENTIFIED FLAGELLATE - - - - -	3.0	6.82	18280
GYMNODINIUM SP. - - - - -	4.0	1.42	3812
GYRODINIUM SP. - - - - -	5.0	0.33	896
OXYTOXUM SP. - - - - -	6.5	0.17	448
PROROCENTRUM MICANS - - - - -	6.5	0.17	448
EXUVIELLA MARINA - - - - -	8.5	0.08	224
NITZSCHIA CLOSTERIUM - - - - -	8.5	0.08	224
TOTALS	9	100	268012

PERCENT
O F
TOTAL

DIATOM - - - - -	0.08
DINOFLAGELLATE -	56.72
OTHER - - - - -	43.19

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 88	DATE 22 AUG 77	TIME 05:17:00	LATITUDE 39 36.5 N	LONGITUDE 73 0.0 W

	SONIC DEPTH 64	SURFACE TEMPERATURE 23	ONE % LIGHT DEPTH -	

DEPTH 25.0				

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.5	37.56	5946
UNIDENTIFIED FLAGELLATE - - - - -	1.5	37.56	5946
THALASSIONEMA NITZSCHIOIDES - -	3.0	17.97	2845
COSCIDINODISCUS EXCENTRICUS - - - - -	4.5	2.76	437
GYMNODINIUM SP. - - - - -	4.5	2.76	437
CHAETOCEROS BOREALIS - - - - -	6.0	1.38	218

TOTALS	6	100	15829

	PERCENT O F TOTAL
DIATOM - - - - -	22.11
DINOFLAGELLATE -	2.76
OTHER - - - - -	75.13

- DATA NOT TAKEN

STATION 89PR	DATE 22 AUG 77	TIME 07:53:00	LATITUDE 39 33.9 N	LONGITUDE 72 50.4 W
SONIC DEPTH 61		SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH 35	

DEPTH
0.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLLAGELLATES - - -	1.0	65.46	51760
MONADI - - - - -	2.0	32.73	25880
NITZSCHIA CLOSTERIUM - - - - -	3.0	0.60	476
NAVICULA SP. - - - - -	5.5	0.30	238
PERIDINIUM FAEROENSE - - - - -	5.5	0.30	238
GYMNODINIUM SP. - - - - -	5.5	0.30	238
PERIDINIUM TROCHOIDEUM - - - - -	5.5	0.30	238
TOTALS	7	100	79068

PERCENT
O F
TOTAL

DIATOM - - - - -	0.90
DINOFLLAGELLATE -	66.37
OTHER - - - - -	32.73

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 89PR	DATE 22 AUG 77	TIME 07:53:00	LATITUDE 39 33.9 N	LONGITUDE 72 50.4 W

	SONIC DEPTH 61	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH 35	

DEPTH
23.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - - -	1.0	70.02	30600
UNIDENTIFIED FLAGELLATE - - - - -	2.0	14.00	6120
GYMNODINIUM SP. - - - - -	3.0	10.82	4730
OXYTOXUM SP. - - - - -	4.0	2.06	900
COSCIINODISCUS SP. - - - - -	5.0	1.54	675
GYRODINIUM SP. - - - - -	7.0	0.51	225
PERIDINIUM SP. - - - - -	7.0	0.51	225
DISTEPHANUS CRUX - - - - -	7.0	0.51	225

TOTALS	8	100	43700

	PERCENT O F TOTAL
DIATOM - - - - -	1.54
DINOFLAGELLATE -	83.94
OTHER - - - - -	14.52

- DATA NOT TAKEN

STATION 89	DATE 22 AUG 77	TIME 08:16:00	LATITUDE 39 33.9 N	LONGITUDE 72 50.4 W
	SONIC DEPTH 61	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	

DEPTH
18.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - -	1.0	43.86	14150
UNIDENTIFIED FLAGELLATE - - - - -	2.0	29.24	9435
MONADI - - - - -	3.0	19.91	6424
RHIZOSOLENIA HEBETATA F. SEMISPINA	4.0	2.15	694
GYMNODINIUM SP. - - - - -	5.0	1.61	520
COSCIINODISCUS EXCENTRICUS - - - - -	6.5	1.08	347
NITZSCHIA CLOSTERIUM - - - - -	6.5	1.08	347
CHAETOCEROS DENSUS - - - - -	8.5	0.54	173
OXYTOXUM SP. - - - - -	8.5	0.54	173
TOTALS	9	100	32263

PERCENT
O F
TOTAL

DIATOM - - - - - 4.84
DINOFLAGELLATE - 46.01
OTHER - - - - - 49.16

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 89	DATE 22 AUG 77	TIME 08:16:00	LATITUDE 39 33.9 N	LONGITUDE 72 50.4 W

	SONIC DEPTH 61	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	

DEPTH 28.0				

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - -	1.0	58.01	27170
UNIDENTIFIED FLAGELLATE - - - - -	2.0	23.21	10870
DACTYLIOSOLEN MEDITERRANEUS - -	3.0	7.69	3600
CERATAULINA BERGONI - - - - -	4.0	4.27	2000
GYMNODINIUM SP. - - - - -	5.0	1.71	800
MONADI - - - - -	6.5	1.28	600
COSCIINODISCUS EXCENTRICUS - - -	6.5	1.28	600
OXYTOXUM SP. - - - - -	8.5	0.85	400
COSCIINODISCUS SP. - - - - -	8.5	0.85	400
COSCIINODISCUS MARGINATUS - - - -	10.5	0.43	200
PERIDINIUM SP. - - - - -	10.5	0.43	200
TOTALS		11	100
			46840

	PERCENT O F TOTAL
DIATOM - - - - -	14.52
DINOFLAGELLATE -	60.99
OTHER - - - - -	24.49

- DATA NOT TAKEN

STATION 90	DATE 22 AUG 77	TIME 10:36:00	LATITUDE 39 33.4 N	LONGITUDE 72 42.9 W
SONIC DEPTH 62		SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	

DEPTH
25.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - -	1.0	73.50	26280
COSCIINODISCUS EXCENTRICUS - - - -	2.0	8.66	3095
DACTYLIOSOLEN MEDITERRANEUS - -	3.0	5.95	2128
GYMNODINIUM SP. - - - - -	4.0	3.79	1354
COSCIINODISCUS SP. - - - - -	5.0	2.70	967
COSCIINODISCUS CONCINNUS - - - - -	6.5	1.62	580
DINOPHYSIS ACUMINATA - - - - -	6.5	1.62	580
EXUVIELLA MARINA - - - - -	8.0	1.08	386
PERIDINIUM SP. - - - - -	9.5	0.54	193
DISTEPHANUS SPECULUM - - - - -	9.5	0.54	193
TOTALS	10	100	35756

PERCENT
O F
TOTAL

DIATOM - - - - -	18.93
DINOFLAGELLATE -	80.53
OTHER - - - - -	0.54

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 90	DATE 22 AUG 77	TIME 10:36:00	LATITUDE 39 33.4 N	LONGITUDE 72 42.9 W
	SONIC DEPTH 62	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	

DEPTH
50.0

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	54.88	17390
UNIDENTIFIED DINOFLAGELLATES - -	2.0	27.44	8696
DACTYLIOSOLEN MEDITERRANEUS - -	3.0	10.60	3360
COSCIINODISCUS CONCINNUS - - - - -	4.0	3.03	960
COSCIINODISCUS EXCENTRICUS - - -	5.0	2.02	640
GYMNODINIUM SP. - - - - -	6.5	1.01	320
THALASSIONEMA NITZSCHIOIDES - -	6.5	1.01	320
TOTALS	7	100	31686

	PERCENT O F TOTAL
DIATOM - - - - -	16.66
DINOFLAGELLATE -	28.45
OTHER - - - - -	54.88

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
91	22 AUG 77	12:39:00	39 32.3 N	72 34.5 W
	SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
	84	23	-	

DEPTH
29.0

S P E C I E S	RANK	%	NO/L
DACTYLIOSOLEN MEDITERRANEUS - -	1.0	55.13	22180
UNIDENTIFIED FLAGELLATE - - - -	2.0	40.87	16440
NITZSCHIA DELICATISSIMA - - - -	3.5	1.00	403
THALASSIONEMA NITZSCHIOIDES - - -	3.5	1.00	403
COSCINODISCUS CONCINNUS - - - -	6.5	0.50	201
COSCINODISCUS EXCENTRICUS - - - -	6.5	0.50	201
DINOPHYSIS ACUMINATA - - - - -	6.5	0.50	201
PROROCENTRUM MICANS - - - - -	6.5	0.50	201
TOTALS	8	100	40230

PERCENT
O F
TOTAL

DIATOM - - - - -	58.14
DINOFLAGELLATE -	1.00
OTHER - - - - -	40.87

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION	DATE	TIME	LATITUDE	LONGITUDE
91	22 AUG 77	12:39:00	39 32.3 N	72 34.5 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
84	23	-

DEPTH
41.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - - -	1.0	58.74	19580
MONADI - - - - -	2.0	29.38	9792
COSCIINODISCUS CONCINNUS - - - - -	3.5	3.24	1081
NITZSCHIA SERIATA - - - - -	3.5	3.24	1081
THALASSIONEMA NITZSCHIOIDES - - -	5.5	1.62	540
GYMNODINIUM SP. - - - - -	5.5	1.62	540
NITZSCHIA DELICATISSIMA - - - - -	7.0	1.08	360
COSCIINODISCUS EXCENTRICUS - - - - -	8.5	0.54	180
OXYTOXUM SP. - - - - -	8.5	0.54	180
TOTALS	9	100	33334

PERCENT O F TOTAL	
DIATOM - - - - -	9.73
DINOFLAGELLATE -	60.90
OTHER - - - - -	29.38

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 92	DATE 22 AUG 77	TIME 15:28:00	LATITUDE 39 31.0 N	LONGITUDE 72 26.5 W
SONIC DEPTH 119		SURFACE TEMPERATURE 23	ONE % LIGHT DEPTH -	
DEPTH 37.0				

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	59.06	24480
GYMNODINIUM SP. - - - - -	2.0	12.17	5045
MONADI - - - - -	3.0	11.81	4896
DACTYLIOSOLEN MEDITERRANEUS - - -	4.0	8.26	3423
PERIDINIUM SP. - - - - -	5.0	6.52	2703
COCCOLITHUS SP. - - - - -	6.0	1.30	540
CERATIUM FUSUS - - - - -	7.5	0.43	180
OXYTOXUM SP. - - - - -	7.5	0.43	180
TOTALS	8	100	41447

PERCENT O F TOTAL	
DIATOM - - - - -	8.26
DINOFLLAGELLATE -	19.56
OTHER - - - - -	72.18

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION	DATE	TIME	LATITUDE	LONGITUDE
93	22 AUG 77	18:35:00	39 29.0 N	72 17.4 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
512	24	-

DEPTH
25.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	63.68	10870
GYMNODINIUM SP. - - - - -	2.0	23.43	4000
UNIDENTIFIED DINOFLAGELLATES - -	3.5	4.69	800
LEPTOCYLINDRUS MINIMUS - - - - -	3.5	4.69	800
PERIDINIUM SP. - - - - -	6.0	1.17	200
RHIZOSOLENIA HEBETATA F. SEMISPINA	6.0	1.17	200
PYRAMIMONAS - - - - -	6.0	1.17	200
TOTALS	7	100	17070

PERCENT O F TOTAL	
DIATOM - - - - -	5.86
DINOFLAGELLATE -	29.29
OTHER - - - - -	64.85

- DATA NOT TAKEN

STATION 94	DATE 22 AUG 77	TIME 20:41:00	LATITUDE 39 27.9 N	LONGITUDE 72 7.5 W
SONIC DEPTH 475		SURFACE TEMPERATURE 24	ONE % LIGHT DEPTH -	

DEPTH
42.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	65.91	15770
UNIDENTIFIED DINOFLAGELLATES - -	2.0	21.97	5256
GYMNODINIUM SP. - - - - -	3.0	8.08	1934
GYRODINIUM SP. - - - - -	4.5	1.61	386
OXYTOXUM SP. - - - - -	4.5	1.61	386
COSCINODISCUS EXCENTRICUS - - - -	6.0	0.81	193
TOTALS	6	100	23925

PERCENT
O F
TOTAL

DIATOM - - - - -	0.81
DINOFLAGELLATE -	33.28
OTHER - - - - -	65.91

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 95	DATE 22 AUG 77	TIME 23:20:00	LATITUDE 39 25.7 N	LONGITUDE 71 59.4 W
SONIC DEPTH 739		SURFACE TEMPERATURE 25	ONE % LIGHT DEPTH -	

DEPTH
41.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - -	1.0	80.32	16710
GYMNODINIUM SP. - - - - -	2.0	8.86	1844
NITZSCHIA DELICATISSIMA - - - -	3.0	3.94	819
PERIDINIUM SP. - - - - -	4.0	2.95	614
PERIDINIUM TROCHOIDEUM - - - - -	6.5	0.98	204
PERIDINIUM DIVARICATUM - - - - -	6.5	0.98	204
OXYTOXUM SCOLOPAX - - - - -	6.5	0.98	204
OXYTOXUM SP. - - - - -	6.5	0.98	204
TOTALS	8	100	20803

	PERCENT O F TOTAL
DIATOM - - - - -	3.94
DINOFLAGELLATE -	96.06
OTHER - - - - -	0.00

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 96	DATE 23 AUG 77	TIME 01:13:00	LATITUDE 39 26.3 N	LONGITUDE 71 49.1 W
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SONIC DEPTH 1354	SURFACE TEMPERATURE 25	ONE % LIGHT DEPTH -
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DEPTH 40.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - -	1.0	65.93	74370
UNIDENTIFIED FLAGELLATE - - - - -	2.0	19.70	22220
RHIZOLENIA STOLTERFOTHII - - -	3.0	6.16	6947
GYMNODINIUM SP. - - - - -	4.0	5.04	5684
OXYTOXUM SP. - - - - -	5.5	0.75	842
THALASSIONEMA NITZSCHIOIDES - - -	5.5	0.75	842
COSCONODISCUS SP. - - - - -	7.0	0.56	631
CORETHRON CRIOPHILUM - - - - -	8.0	0.37	421
RHIZOLENIA HEBETATA F. SEMISPINA	10.5	0.19	210
LEPTOCYLINDRUS DANICUS - - - - -	10.5	0.19	210
NITZSCHIA CLOSTERIUM - - - - -	10.5	0.19	210
GYRODINIUM SP. - - - - -	10.5	0.19	210
TOTALS	12	100	112797

PERCENT
O F
TOTAL

DIATOM - - - - -	8.40
DINOFLAGELLATE -	71.90
OTHER - - - - -	19.70

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 98PR	DATE 23 AUG 77	TIME 10:07:00	LATITUDE 39 35.5 N	LONGITUDE 72 37.1 W
	SONIC DEPTH 83	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH 39	

DEPTH
0.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - - -	1.0	78.38	12190
GYMNODINIUM SP. - - - - -	2.0	14.42	2242
CHAETOCEROS DENSUS - - - - -	3.5	2.88	448
PERIDINIUM TROCHOIDEUM - - - - -	3.5	2.88	448
PERIDINIUM SP. - - - - -	5.0	1.44	224
TOTALS	5	100	15552

	PERCENT O F TOTAL
DIATOM - - - - -	2.88
DINOFLAGELLATE -	18.74
OTHER - - - - -	78.38

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
98PR	23 AUG 77	10:07:00	39 35.5 N	72 37.1 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
83	22	39

DEPTH
32.0

S P E C I E S	RANK	%	NO/L
DACTYLIOSOLEN MEDITERRANEUS - -	1.0	39.23	17710
UNIDENTIFIED FLAGELLATE - - - - -	2.5	28.91	13050
MONADI - - - - -	2.5	28.91	13050
COSCIINODISCUS EXCENTRICUS - - - -	4.0	1.26	571
THALASSIONEMA NITZSCHIOIDES - -	5.0	0.84	381
GYMNODINIUM SP. - - - - -	6.5	0.42	190
COSCIINODISCUS CONCINNUS - - - -	6.5	0.42	190
TOTALS	7	100	45142

PERCENT
O F
TOTAL

DIATOM - - - - -	41.76
DINOFLAGELLATE -	0.42
OTHER - - - - -	57.82

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 99	DATE 23 AUG 77	TIME 15:38:00	LATITUDE 39 35.5 N	LONGITUDE 72 36.0 W

	SONIC DEPTH 78	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	

DEPTH
30.0

S P E C I E S		RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES	- -	1.5	45.79	13590
UNIDENTIFIED FLAGELLATE	- - - - -	1.5	45.79	13590
GYMNODINIUM SP.	- - - - -	3.0	5.90	1750
PERIDINIUM CLAUDICANS	- - - - -	5.0	0.84	250
COSCIINODISCUS MARGINATUS	- - - - -	5.0	0.84	250
DISTEPHANUS CRUX	- - - - -	5.0	0.84	250
		-----	-----	-----
	TOTALS	6	100	29680

	PERCENT O F TOTAL
DIATOM - - - - -	0.84
DINOFLAGELLATE -	52.53
OTHER - - - - -	46.63

- DATA NOT TAKEN

STATION 101	DATE 23 AUG 77	TIME 21:00:00	LATITUDE 39 56.8 N	LONGITUDE 73 8.5 W
SONIC DEPTH 68		SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	
DEPTH 20.0				

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	68.50	13940
COSINOSIRA OESTRUPII - - - - -	2.0	13.86	2821
GYMNODINIUM SP. - - - - -	3.0	8.82	1795
PERIDINIUM TROCHOIDEUM - - - - -	4.0	3.78	769
COSCINODISCUS EXCENTRICUS - - - - -	5.0	2.52	512
CHAETOCEROS DANICUS - - - - -	6.5	1.26	256
PERIDINIUM MITE - - - - -	6.5	1.26	256
TOTALS	7	100	20349

PERCENT O F TOTAL	
DIATOM - - - - -	17.64
DINOFLAGELLATE - - - - -	13.86
OTHER - - - - -	68.50

- DATA NOT TAKEN

STATION 102	DATE 23 AUG 77	TIME 23:30:00	LATITUDE 40 4.3 N	LONGITUDE 73 28.8 W
	SONIC DEPTH 48	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	
DEPTH 10.0				

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	67.49	182800
UNIDENTIFIED FLAGELLATE - - - - -	2.5	11.25	30460
UNIDENTIFIED DINOFLAGELLATES - -	2.5	11.25	30460
RHIZOLENIA HEBETATA F. SEMISPINA	4.0	3.48	9417
CERATIUM LINEATUM - - - - -	5.0	1.41	3812
GYMNODINIUM SP. - - - - -	6.0	1.32	3587
THALASSIONEMA NITZSCHIOIDES - -	7.0	0.99	2691
PROROCENTRUM MICANS - - - - -	8.5	0.66	1794
PERIDINIUM BREVIPES - - - - -	8.5	0.66	1794
COSCIINODISCUS EXCENTRICUS - - - -	10.0	0.33	896
PERIDINIUM FAEROENSE - - - - -	11.0	0.25	672
EXUVIELLA MARINA - - - - -	13.5	0.17	448
OXYTOXUM SPHAEROIDEUM - - - - -	13.5	0.17	448
GYRODINIUM SP. - - - - -	13.5	0.17	448
DINOPHYSIS ACUMINATA - - - - -	13.5	0.17	448
RHIZOLENIA SETIGERA - - - - -	17.0	0.08	224
NITZSCHIA CLOSTERIUM - - - - -	17.0	0.08	224
CERATIUM FUSUS - - - - -	17.0	0.08	224
TOTALS	18	100	270847

PERCENT
O F
TOTAL

DIATOM - - - - - 4.97
DINOFLAGELLATE - 16.30
OTHER - - - - - 78.74

- DATA NOT TAKEN

STATION 103	DATE 24 AUG 77	TIME 00:50:00	LATITUDE 40 2.5 N	LONGITUDE 74 33.2 W

	SONIC DEPTH 45	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	

DEPTH
10.0

S P E C I E S		RANK	%	NO/L
UNIDENTIFIED FLAGELLATE	- - - -	1.0	100.00	9058
		-----	-----	-----
	TOTALS	1	100	9058

PERCENT
O F
TOTAL

DIATOM - - - - -	0.00
DINOFLAGELLATE -	0.00
OTHER - - - - -	100.00

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 106PR	DATE 24 AUG 77	TIME 10:05:00	LATITUDE 40 0.1 N	LONGITUDE 73 58.3 W

	SONIC DEPTH 21	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH 12	

DEPTH 0.0				

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	80.82	372700
UNIDENTIFIED FLAGELLATE - - - - -	2.0	10.10	46580
UNIDENTIFIED DINOFLAGELLATES - - - - -	3.0	5.05	23290
COSINOSIRA OESTRUPII - - - - -	4.0	3.59	16570
THALASSIONEMA NITZSCHIOIDES - - - - -	5.0	0.37	1714
GYMNODINIUM SP. - - - - -	6.0	0.06	285

TOTALS	6	100	461139

	PERCENT O F TOTAL
DIATOM - - - - -	3.96
DINOFLAGELLATE - - - - -	5.11
OTHER - - - - -	90.92

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 111PR	DATE 25 AUG 77	TIME 07:53:00	LATITUDE 39 59.8 N	LONGITUDE 73 58.7 W
	SONIC DEPTH 21	SURFACE TEMPERATURE -	ONE % LIGHT DEPTH 13	

DEPTH
0.0

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	63.33	255700
UNIDENTIFIED DINOFLAGELLATES - -	2.0	25.04	101100
UNIDENTIFIED FLAGELLATE - - - -	3.0	5.89	23780
COSINOSIRA OESTRUPII - - - - -	4.0	4.61	18600
THALASSIONEMA NITZSCHIOIDES - -	5.0	0.92	3720
NITZSCHIA CLOSTERIUM - - - - -	6.0	0.22	875
TOTALS	6	100	403775

PERCENT O F TOTAL	
DIATOM - - - - -	5.74
DINOFLAGELLATE -	25.04
OTHER - - - - -	69.22

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 111PR	DATE 25 AUG 77	TIME 07:53:00	LATITUDE 39 59.8 N	LONGITUDE 73 58.7 W

	SONIC DEPTH 21	SURFACE TEMPERATURE -	ONE % LIGHT DEPTH 13	

DEPTH
12.5

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	71.56	234000
UNIDENTIFIED FLAGELLATE - - - - -	2.0	11.90	38910
COSINOSIRA OESTRUPII - - - - -	3.0	8.40	27450
UNIDENTIFIED DINOFLAGELLATES - - - - -	4.0	5.95	19460
THALASSIONEMA NITZSCHIOIDES - - - - -	5.0	1.31	4296
NITZSCHIA CLOSTERIUM - - - - -	6.0	0.80	2625
OXYTOXUM SPHAEROIDEUM - - - - -	7.0	0.07	238
TOTALS	7	100	326979

	PERCENT O F TOTAL
DIATOM - - - - -	10.51
DINOFLAGELLATE - - - - -	6.02
OTHER - - - - -	83.46

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 113	DATE 25 AUG 77	TIME 12:30:00	LATITUDE 40 0.1 N	LONGITUDE 73 57.9 W
	SONIC DEPTH 20	SURFACE TEMPERATURE 21	ONE % LIGHT DEPTH -	
DEPTH 10.0				

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	71.19	190200
UNIDENTIFIED FLAGELLATE - - - - -	2.0	10.17	27170
COSINOSIRA OESTRUPII - - - - -	3.0	8.48	22670
UNIDENTIFIED DINOFLAGELLATES - - - - -	4.0	8.47	22640
THALASSIONEMA NITZSCHIOIDES - - - - -	5.0	1.50	4000
COSCINODISCUS EXCENTRICUS - - - - -	7.0	0.06	166
NITZSCHIA CLOSTERIUM - - - - -	7.0	0.06	166
GYMNODINIUM SP. - - - - -	7.0	0.06	166
TOTALS	8	100	267178

	PERCENT O F TOTAL
DIATOM - - - - -	10.11
DINOFLAGELLATE - - - - -	8.54
OTHER - - - - -	81.36

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 119PR	DATE 26 AUG 77	TIME 07:55:00	LATITUDE 39 59.8 N	LONGITUDE 73 57.8 W
SONIC DEPTH 21		SURFACE TEMPERATURE -	ONE % LIGHT DEPTH 11	
DEPTH 0.0				

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	55.19	184100
UNIDENTIFIED FLAGELLATE - - - - -	2.0	17.66	58910
UNIDENTIFIED DINOFLAGELLATES - - - - -	3.0	15.45	51550
COSINOSIRA OESTRUPII - - - - -	4.0	6.74	22490
THALASSIONEMA NITZSCHIOIDES - - - - -	5.0	2.92	9756
RHIZOSOLENIA HEBETATA F. SEMISPINA - - - - -	6.0	0.89	2981
GYMNODINIUM SP. - - - - -	7.0	0.65	2168
NITZSCHIA CLOSTERIUM - - - - -	8.0	0.24	813
COSINOSIRA POLYCHORDA - - - - -	9.0	0.16	542
RHABDOSPHAERA STYLIFER - - - - -	10.0	0.08	271
TOTALS	10	100	333581

PERCENT O F TOTAL	
DIATOM - - - - -	10.97
DINOFLAGELLATE - - - - -	16.10
OTHER - - - - -	72.93

- DATA NOT TAKEN

STATION 119PR	DATE 26 AUG 77	TIME 07:55:00	LATITUDE 39 59.8 N	LONGITUDE 73 57.8 W
	SONIC DEPTH 21	SURFACE TEMPERATURE -	ONE % LIGHT DEPTH 11	

DEPTH
11.0

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.5	30.68	60390
UNIDENTIFIED DINOFLAGELLATES - -	1.5	30.68	60390
UNIDENTIFIED FLAGELLATE - - - -	3.0	19.17	37740
COSINOSIRA OESTRUPII - - - - -	4.0	11.99	23610
THALASSIONEMA NITZSCHIOIDES - -	5.0	6.63	13060
NITZSCHIA CLOSTERIUM - - - - -	6.0	0.42	833
GYMNODINIUM SP. - - - - -	7.0	0.28	555
CERATIUM TRIPOS - - - - -	8.0	0.14	277
TOTALS	8	100	196855

	PERCENT O F TOTAL
DIATOM - - - - -	19.05
DINOFLAGELLATE -	31.10
OTHER - - - - -	49.85

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION	DATE	TIME	LATITUDE	LONGITUDE
122	26 AUG 77	20:00:00	39 54.7 N	73 46.2 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
27	22	-

DEPTH
10.0

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	48.79	120500
UNIDENTIFIED DINOFLAGELLATES - -	2.0	26.62	65740
CYCLOTELLA NANA - - - - -	3.0	10.45	25810
UNIDENTIFIED FLAGELLATE - - - - -	4.0	4.44	10960
COSINOSIRA OESTRUPII - - - - -	5.0	3.51	8669
THALASSIONEMA NITZSCHIOIDES - - -	6.0	3.18	7863
RHIZOSOLENIA HEBETATA F. SEMISPINA	7.0	2.29	5645
GYMNODINIUM SP. - - - - -	8.0	0.33	806
NITZSCHIA CLOSTERIUM - - - - -	9.0	0.24	604
COSCINODISCUS MARGINATUS - - - -	10.5	0.08	201
EBRIA TRIPARTITA - - - - -	10.5	0.08	201
TOTALS	11	100	246999

	PERCENT O F TOTAL
DIATOM - - - - -	19.75
DINOFLAGELLATE -	26.94
OTHER - - - - -	53.30

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 122	DATE 26 AUG 77	TIME 20:00:00	LATITUDE 39 54.7 N	LONGITUDE 73 46.2 W
SONIC DEPTH 27		SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	

DEPTH
18.0

S P E C I E S	RANK	%	NO/L
COSINOSIRA OESTRUPII - - - - -	1.0	35.32	15830
UNIDENTIFIED FLAGELLATE - - - - -	2.5	21.09	9452
UNIDENTIFIED DINOFLAGELLATES - - -	2.5	21.09	9452
THALASSIONEMA NITZSCHIOIDES - - -	4.0	12.42	5565
CYCLOTELLA NANA - - - - -	5.0	8.15	3652
RHIZOLENIA HEBETATA F. SEMISPINA	6.0	1.16	521
NITZSCHIA CLOSTERIUM - - - - -	7.5	0.39	173
COSCINODISCUS EXCENTRICUS - - - - -	7.5	0.39	173
TOTALS	8	100	44818

PERCENT
O F
TOTAL

DIATOM - - - - -	57.82
DINOFLAGELLATE -	21.09
OTHER - - - - -	21.09

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 123	DATE 26 AUG 77	TIME 22:45:00	LATITUDE 40 5.3 N	LONGITUDE 73 59.0 W
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SONIC DEPTH 24	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -
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DEPTH
10.0

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	58.23	105900
UNIDENTIFIED FLAGELLATE - - - - -	2.0	20.39	37080
UNIDENTIFIED DINOFLAGELLATES - - -	3.0	8.74	15890
CYCLOTELLA NANA - - - - -	4.0	4.82	8772
COSINOSIRA OESTRUPII - - - - -	5.0	3.75	6823
THALASSIONEMA NITZSCHIOIDES - - -	6.0	3.11	5653
NITZSCHIA CLOSTERIUM - - - - -	7.0	0.75	1364
COSCINODISCUS EXCENTRICUS - - - - -	8.5	0.11	194
GYMNODINIUM SP. - - - - -	8.5	0.11	194
TOTALS	9	100	181870

PERCENT
O F
TOTAL

DIATOM - - - - -	12.54
DINOFLAGELLATE -	8.84
OTHER - - - - -	78.62

- DATA NOT TAKEN

STATION 124	DATE 27 AUG 77	TIME 00:28:00	LATITUDE 40 5.2 N	LONGITUDE 73 46.7 W
	SONIC DEPTH 29	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	
DEPTH 10.0				

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	36.17	23300
UNIDENTIFIED DINOFLAGELLATES - - -	2.0	31.66	20390
UNIDENTIFIED FLAGELLATE - - - -	3.0	9.04	5825
CYCLOTELLA NANA - - - - -	4.0	7.49	4823
COSINOSIRA OESTRUPII - - - - -	5.0	5.82	3751
RHIZOSOLENIA HEBETATA F. SEMISPINA	6.0	3.99	2572
THALASSIONEMA NITZSCHIOIDES - -	7.0	2.33	1501
GYMNODINIUM SP. - - - - -	8.0	1.00	643
CHAETOCEROS AFFINIS V. WILLEY -	10.0	0.50	321
NITZSCHIA CLOSTERIUM - - - - -	10.0	0.50	321
PROROCENTRUM MICANS - - - - -	10.0	0.50	321
CERATIUM TRIPOS - - - - -	12.5	0.33	214
CERATIUM LINEATUM - - - - -	12.5	0.33	214
RHIZOSOLENIA SETIGERA - - - - -	14.5	0.17	107
COSCINODISCUS MARGINATUS - - - -	14.5	0.17	107
TOTALS	15	100	64410

	PERCENT O F TOTAL
DIATOM - - - - -	20.96
DINOFLAGELLATE -	33.82
OTHER - - - - -	45.22

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 125	DATE 27 AUG 77	TIME 01:57:00	LATITUDE 40 10.2 N	LONGITUDE 73 47.3 W

	SONIC DEPTH 29	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	

DEPTH
10.0

S P E C I E S	RANK	%	NO/L
CYCLOTELLA NANA - - - - -	1.0	25.35	11340
UNIDENTIFIED FLAGELLATE - - - - -	2.5	22.96	10270
MONADI - - - - -	2.5	22.96	10270
THALASSIONEMA NITZSCHIOIDES - - -	4.0	8.03	3592
COSINOSIRA OESTRUPII - - - - -	5.0	6.76	3025
RHIZOSOLENIA HEBETATA F. SEMISPINA	6.0	5.07	2268
GYMNODINIUM SP. - - - - -	7.0	2.96	1323
PROROCENTRUM MICANS - - - - -	8.5	1.27	567
EXUVIELLA MARINA - - - - -	8.5	1.27	567
COSINOSIRA POLYCHORDA - - - - -	11.0	0.84	378
CHAETOCEROS DENSUS - - - - -	11.0	0.84	378
CERATIUM LINEATUM - - - - -	11.0	0.84	378
CERATIUM FUSUS - - - - -	13.5	0.42	189
OXYTOXUM SPHAEROIDEUM - - - - -	13.5	0.42	189

TOTALS	14	100	44734

	PERCENT O F TOTAL
DIATOM - - - - -	46.90
DINOFLAGELLATE -	7.18
OTHER - - - - -	45.92

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION	DATE	TIME	LATITUDE	LONGITUDE
126	27 AUG 77	02:57:00	40 15.3 N	73 47.5 W
SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH		
53	22	-		

DEPTH
10.0

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	53.08	55120
UNIDENTIFIED DINOFLAGELLATES - -	2.0	21.23	22050
UNIDENTIFIED FLAGELLATE - - - -	3.0	15.93	16540
COSINOSIRA OESTRUPII - - - - -	4.0	4.88	5071
CYCLOTELLA NANA - - - - -	5.0	2.34	2434
EXUVIELLA MARINA - - - - -	6.0	0.59	608
THALASSIONEMA NITZSCHIOIDES - -	8.5	0.39	405
RHIZOSOLENIA SHRUBSOLEI - - - - -	8.5	0.39	405
GYMNODINIUM SP. - - - - -	8.5	0.39	405
NITZSCHIA CLOSTERIUM - - - - -	8.5	0.39	405
RHIZOSOLENIA HEBETATA F. SEMISPINA	11.5	0.19	202
CERATIUM FUSUS - - - - -	11.5	0.19	202
TOTALS	12	100	103847

PERCENT
O F
TOTAL

DIATOM - - - - - 8.59
DINOFLAGELLATE - 22.40
OTHER - - - - - 69.01

- DATA NOT TAKEN

STATION 127	DATE 27 AUG 77	TIME 05:30:00	LATITUDE 40 15.0 N	LONGITUDE 73 32.2 W
SONIC DEPTH 31		SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	
DEPTH 10.0				

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - -	1.0	89.01	333000
MONADI - - - - -	2.0	5.34	19980
COSINOSIRA OESTRUPII - - - - -	3.0	2.49	9314
UNIDENTIFIED FLAGELLATE - - - - -	4.0	1.78	6660
THALASSIONEMA NITZSCHIOIDES - -	5.0	0.85	3186
NITZSCHIA CLOSTERIUM - - - - -	7.0	0.13	490
COSCINODISCUS EXCENTRICUS - - -	7.0	0.13	490
PERIDINIUM FAEROENSE - - - - -	7.0	0.13	490
RHIZOSOLENIA HEBETATA F. SEMISPINA	9.5	0.07	245
CERATIUM TRIPOS - - - - -	9.5	0.07	245
TOTALS	10	100	374100

PERCENT O F TOTAL	
DIATOM - - - - -	3.67
DINOFLAGELLATE -	89.21
OTHER - - - - -	7.12

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
128	27 AUG 77	07:57:00	40 4.0 N	73 15.0 W

	SONIC	SURFACE	ONE % LIGHT	
	DEPTH	TEMPERATURE	DEPTH	
	41	21	-	

DEPTH				
0.0				

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	52.36	137200
UNIDENTIFIED DINOFLAGELLATES - -	2.0	20.13	52760
UNIDENTIFIED FLAGELLATE - - - -	3.0	14.10	36940
COSINOSIRA OESTRUPII - - - - -	4.0	3.48	9126
CYCLOTELLA NANA - - - - -	5.0	2.52	6602
THALASSIONEMA NITZSCHIOIDES - - -	6.0	1.78	4660
PROROCENTRUM MICANS - - - - -	7.0	1.26	3301
EXUVIELLA MARINA - - - - -	8.0	1.11	2913
CERATIUM LINEATUM - - - - -	9.0	0.96	2524
GYMNODINIUM SP. - - - - -	10.0	0.74	1942
LEPTOCYLINDRUS DANICUS - - - - -	11.0	0.67	1748
CERATIUM FUSUS - - - - -	12.0	0.30	776
RHIZOSOLENIA DELICATULA - - - -	13.0	0.22	582
COSCINODISCUS MARGINATUS - - - -	16.0	0.07	194
CERATIUM TRIPOS - - - - -	16.0	0.07	194
DINOPHYSIS ACUMINATA - - - - -	16.0	0.07	194
PERIDINIUM FAEROENSE - - - - -	16.0	0.07	194
SYRACOSPHAERA SP. - - - - -	16.0	0.07	194
TOTALS	18	100	262044

PERCENT
O F
TOTAL

DIATOM - - - - -	8.74
DINOFLAGELLATE -	24.73
OTHER - - - - -	66.53

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
128	27 AUG 77	07:57:00	40 4.0 N	73 15.0 W

SONIC	SURFACE	ONE % LIGHT		
DEPTH	TEMPERATURE	DEPTH		
41	21	-		

DEPTH				
15.0				

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	38.28	158900
UNIDENTIFIED DINOFLAGELLATES - -	2.0	22.97	95350
UNIDENTIFIED FLAGELLATE - - - -	3.0	16.59	68860
SKELETONEMA COSTATUM - - - - -	4.0	6.76	28070
CERATIUM LINEATUM - - - - -	5.0	4.56	18910
PROROCENTRUM MICANS - - - - -	6.0	3.99	16570
THALASSIONEMA NITZSCHIOIDES - -	7.0	1.83	7602
COSINOSIRA OESTRUPII - - - - -	8.0	1.08	4483
GYMNODINIUM SP. - - - - -	9.0	0.70	2924
RHIZOSOLENIA DELICATULA - - - - -	10.0	0.47	1949
COSCINODISCUS SP. - - - - -	11.0	0.42	1754
DISTEPHANUS SPECULUM - - - - -	13.0	0.33	1365
CORETHRON CRIOPHILUM - - - - -	13.0	0.33	1365
NITZSCHIA DELICATISSIMA - - - - -	13.0	0.33	1365
CERATIUM FUSUS - - - - -	15.0	0.28	1170
EXUVIELLA MARINA - - - - -	17.5	0.19	779
NITZSCHIA CLOSTERIUM - - - - -	17.5	0.19	779
CHAETOCEROS DIDYMUS - - - - -	17.5	0.19	779
CHAETOCEROS DENSUS - - - - -	17.5	0.19	779
PERIDINIUM BREVIPIES - - - - -	20.0	0.14	584
CYCLOTELLA NANA - - - - -	21.0	0.09	389
DINOPHYSIS ACUMINATA - - - - -	22.5	0.05	194
LEPTOCYLINDRUS DANICUS - - - - -	22.5	0.05	194
TOTALS	23	100	415114

PERCENT
O F
TOTAL

DIATOM - - - - -	11.93
DINOFLAGELLATE - -	32.88
OTHER - - - - -	55.20

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 128PR	DATE 27 AUG 77	TIME 08:33:00	LATITUDE 40 3.8 N	LONGITUDE 73 15.0 W
	SONIC DEPTH 41	SURFACE TEMPERATURE 21	ONE % LIGHT DEPTH 12	

DEPTH
0.0

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	47.17	90120
UNIDENTIFIED DINOFLAGELLATES - -	2.0	29.03	55460
UNIDENTIFIED FLAGELLATE - - - -	3.0	7.25	13860
COSINOSIRA OESTRUPII - - - - -	4.0	4.54	8673
THALASSIONEMA NITZSCHIOIDES - -	5.0	4.14	7908
CYCLOTELLA NANA - - - - -	6.0	2.54	4847
CERATIUM LINEATUM - - - - -	7.0	2.00	3827
PROROCENTRUM MICANS - - - - -	8.0	0.93	1786
GYMNODINIUM SP. - - - - -	9.0	0.53	1020
EXUVIELLA MARINA - - - - -	10.0	0.40	755
CERATIUM FUSUS - - - - -	12.0	0.27	510
DINOPHYSIS ACUMINATA - - - - -	12.0	0.27	510
DISTEPHANUS SPECULUM - - - - -	12.0	0.27	510
COSCINODISCUS MARGINATUS - - - -	16.0	0.13	255
COSCINODISCUS EXCENTRICUS - - - -	16.0	0.13	255
RHIZOSOLENIA SETIGERA - - - - -	16.0	0.13	255
PERIDINIUM TROCHOIDEUM - - - - -	16.0	0.13	255
GYRODINIUM SP. - - - - -	16.0	0.13	255
TOTALS	18	100	191061

PERCENT
O F
TOTAL

DIATOM - - - - -	11.62
DINOFLAGELLATE -	33.69
OTHER - - - - -	54.69

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
128PR	27 AUG 77	08:33:00	40 3.8 N	73 15.0 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
41	21	12

DEPTH
12.0

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	41.20	70670
UNIDENTIFIED DINOFLAGELLATES - -	2.0	26.21	44970
UNIDENTIFIED FLAGELLATE - - - -	3.0	11.23	19270
SKELETONEMA COSTATUM - - - - -	4.0	9.92	17020
PROROCENTRUM MICANS - - - - -	5.0	3.86	6619
CERATIUM LINEATUM - - - - -	6.0	2.07	3546
THALASSIONEMA NITZSCHIOIDES - -	7.0	1.24	2128
LEPTOCYLINDRUS DANICUS - - - - -	8.0	0.83	1418
EXUVIELLA MARINA - - - - -	9.5	0.69	1182
CYCLOTELLA NANA - - - - -	9.5	0.69	1182
CERATAULINA PELAGICA - - - - -	11.0	0.55	945
CERATIUM FUSUS - - - - -	12.0	0.41	709
GYRODINIUM SP. - - - - -	13.5	0.28	472
EBRIA TRIPARTITA - - - - -	13.5	0.28	472
DINOPHYSIS ACUMINATA - - - - -	16.5	0.14	236
DISTEPHANUS SPECULUM - - - - -	16.5	0.14	236
CORETHRON CRIOPHILUM - - - - -	16.5	0.14	236
RHIZOSOLENIA HEBETATA F. SEMISPINA	16.5	0.14	236
TOTALS	18	100	171547

PERCENT
O F
TOTAL

DIATOM - - - - -	13.50
DINOFLAGELLATE -	33.65
OTHER - - - - -	52.84

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION	DATE	TIME	LATITUDE	LONGITUDE
129	27 AUG 77	10:20:00	39 56.3 N	73 7.4 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
68	22	-

DEPTH
10.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - -	1.0	39.37	30460
UNIDENTIFIED FLAGELLATE - - - -	2.0	31.50	24370
MONADI - - - - -	3.0	23.63	18280
NITZSCHIA CLOSTERIUM - - - - -	4.0	1.74	1345
COSINOSIRA OESTRUPII - - - - -	5.0	1.16	896
GYMNODINIUM SP. - - - - -	6.0	0.87	672
OXYTOXUM SPHAEROIDEUM - - - - -	7.0	0.58	448
COSINODISCUS EXCENTRICUS - - - -	9.5	0.29	224
CHAETOCEROS AFFINIS V. WILLEY -	9.5	0.29	224
PERIDINIUM TROCHOIDEUM - - - - -	9.5	0.29	224
OXYTOXUM SCOLOPAX - - - - -	9.5	0.29	224
TOTALS	11	100	77367

PERCENT O F TOTAL	
DIATOM - - - - -	3.48
DINOFLAGELLATE -	41.40
OTHER - - - - -	55.13

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

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STATION      DATE      TIME      LATITUDE    LONGITUDE
  130        27 AUG 77   11:33:00   39 52.9 N   73  2.5 W
-----
                SONIC      SURFACE      ONE % LIGHT
                DEPTH      TEMPERATURE  DEPTH
                  70                22                -
-----

DEPTH
  10.0
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S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	70.67	50430
UNIDENTIFIED DINOFLAGELLATES - -	2.0	23.56	16810
RHIZOSOLENIA ALATA V. GRACILLIMA	3.5	1.44	1031
MONADI - - - - -	3.5	1.44	1031
PERIDINIUM TROCHOIDEUM - - - - -	5.0	0.87	618
COSINOSIRA OESTRUPII - - - - -	6.0	0.58	412
RHIZOSOLENIA HEBETATA F. SEMISPINA	9.0	0.29	206
NITZSCHIA CLOSTERIUM - - - - -	9.0	0.29	206
PROROCENTRUM MICANS - - - - -	9.0	0.29	206
CERATIUM TRIPOS - - - - -	9.0	0.29	206
PERIDINIUM BREVIPES - - - - -	9.0	0.29	206
TOTALS	11	100	71362

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PERCENT
O F
TOTAL
DIATOM - - - - - 2.60
DINOFLAGELLATE - 25.29
OTHER - - - - - 72.11

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- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
131	27 AUG 77	13:58:00	39 52.7 N	72 44.5 W
	SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
	53	22	-	

DEPTH
25.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	52.71	21650
UNIDENTIFIED DINOFLAGELLATES - -	2.0	39.54	16240
NAVICULA SP. - - - - -	3.0	2.91	1195
CORETHRON CRIOPHILUM - - - - -	5.0	0.97	398
CHAETOCEROS AFFINIS V. WILLEY -	5.0	0.97	398
GUINARDIA FLACCIDA - - - - -	5.0	0.97	398
COSCINODISCUS SP: - - - - -	8.5	0.48	199
GYRODINIUM SP. - - - - -	8.5	0.48	199
COCCOLITHUS SP. - - - - -	8.5	0.48	199
GYMNODINIUM SP. - - - - -	8.5	0.48	199
TOTALS	10	100	41075

PERCENT
O F
TOTAL

DIATOM - - - - -	6.30
DINOFLAGELLATE -	40.51
OTHER - - - - -	53.19

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 132	DATE 27 AUG 77	TIME 15:27:00	LATITUDE 39 52.6 N	LONGITUDE 72 33.2 W
SONIC DEPTH 66		SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	
DEPTH 40.0				

S P E C I E S	RANK	%	NO/L
COSCIINODISCUS EXCENTRICUS - - -	1.0	51.28	22600
UNIDENTIFIED DINOFLAGELLATES - -	2.5	12.33	5435
UNIDENTIFIED FLAGELLATE - - - -	2.5	12.33	5435
NITZSCHIA DELICATISSIMA - - - - -	4.0	11.35	5000
DACTYLIOSOLEN MEDITERRANEUS - -	5.0	9.53	4200
NITZSCHIA SERIATA - - - - -	6.0	1.82	800
PROROCENTRUM MICANS - - - - -	8.0	0.45	200
GYMNODINIUM SP. - - - - -	8.0	0.45	200
PERIDINIUM TROCHOIDEUM - - - - -	8.0	0.45	200
TOTALS	9	100	44070

PERCENT O F TOTAL	
DIATOM - - - - -	73.97
DINOFLAGELLATE -	13.69
OTHER - - - - -	12.33

- DATA NOT TAKEN

STATION 133	DATE 27 AUG 77	TIME 17:03:00	LATITUDE 39 52.4 N	LONGITUDE 72 23.1 W
SONIC DEPTH 73		SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	
DEPTH 9.0				

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - -	1.0	87.18	15180
RHIZOSOLENIA HEBETATA F. SEMISPINA	2.0	4.27	744
DACTYLIOSOLEN MEDITERRANEUS - -	3.0	3.20	558
RHIZOSOLENIA ALATA V. GRACILLIMA	6.0	1.07	186
DITYLUM BRIGHTWELLII - - - - -	6.0	1.07	186
CERATIUM TRIPOS - - - - -	6.0	1.07	186
PERIDINIUM SP. - - - - -	6.0	1.07	186
PERIDINIUM TROCHOIDEUM - - - - -	6.0	1.07	186
TOTALS	8	100	17412

PERCENT O F TOTAL	
DIATOM - - - - -	9.61
DINOFLAGELLATE -	90.39
OTHER - - - - -	0.00

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 134	DATE 27 AUG 77	TIME 18:23:00	LATITUDE 39 45.3 N	LONGITUDE 72 22.0 W

	SONIC DEPTH 86	SURFACE TEMPERATURE 23	ONE % LIGHT DEPTH -	

DEPTH
10.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	55.83	9810
LEPTOCYLINDRUS MINIMUS - - - -	2.0	19.52	3430
NITZSCHIA SERIATA - - - - -	3.0	7.19	1264
RHIZOSOLENIA ALATA V. GRACILLIMA	4.0	6.16	1083
NAVICULA SP. - - - - -	5.5	4.11	722
CHAETOCEROS SP. - - - - -	5.5	4.11	722
RHIZOSOLENIA HEBETATA F. SEMISPINA	7.0	2.05	361
RHIZOSOLENIA CALCAR AVIS - - - -	8.0	1.02	180

TOTALS	8	100	17572

PERCENT O F TOTAL	
DIATOM - - - - -	44.17
DINOFLAGELLATE -	0.00
OTHER - - - - -	55.83

- DATA NOT TAKEN

STATION 135	DATE 27 AUG 77	TIME 21:20:00	LATITUDE 39 58.7 N	LONGITUDE 72 23.5 W
SONIC DEPTH 66		SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	
DEPTH 30.0				

S P E C I E S	RANK	%	NO/L
DACTYLIOSOLEN MEDITERRANEUS - -	1.0	59.39	3558
NITZSCHIA SERIATA - - - - -	2.0	25.00	1498
DISTEPHANUS SPECULUM - - - - -	3.0	6.24	374
RHIZOSOLENIA SETIGERA - - - - -	5.0	3.12	187
PERIDINIUM SP. - - - - -	5.0	3.12	187
RHABDOSPHAERA CLAVIGER - - - - -	5.0	3.12	187
TOTALS	6	100	5991

PERCENT O F TOTAL	
DIATOM - - - - -	87.51
DINOFLAGELLATE -	3.12
OTHER - - - - -	9.36

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION	DATE	TIME	LATITUDE	LONGITUDE
136	27 AUG 77	22:50:00	40 2.5 N	72 24.0 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
65	21	-

DEPTH
30.0

S P E C I E S	RANK	%	NO/L
DACTYLIOSOLEN MEDITERRANEUS - - -	1.0	91.78	10470
GYMNODINIUM SP. - - - - -	2.5	1.83	209
COSCONODISCUS EXCENTRICUS - - -	2.5	1.83	209
COSCONODISCUS CONCINNUS - - - - -	6.0	0.91	104
COSCONODISCUS SP. - - - - -	6.0	0.91	104
DINOPHYSIS ACUMINATA - - - - -	6.0	0.91	104
CERATIUM EXTENSUM - - - - -	6.0	0.91	104
PERIDINIUM SP. - - - - -	6.0	0.91	104
TOTALS	8	100	11408

	PERCENT OF TOTAL
DIATOM - - - - -	95.43
DINOFLAGELLATE -	4.57
OTHER - - - - -	0.00

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 137	DATE 28 AUG 77	TIME 00:14:00	LATITUDE 40 7.5 N	LONGITUDE 72 23.8 W
SONIC DEPTH 64		SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	
DEPTH 10.0				

S P E C I E S	RANK	%	NO/L
NITZSCHIA CLOSTERIUM - - - - -	1.5	40.01	585
THALASSIONEMA NITZSCHIOIDES - - -	1.5	40.01	585
RHIZOSOLENIA CALCAR AVIS - - - - -	3.5	9.99	146
MONADI - - - - -	3.5	9.99	146
TOTALS	4	100	1462

PERCENT O F TOTAL	
DIATOM - - - - -	90.01
DINOFLAGELLATE -	0.00
OTHER - - - - -	9.99

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION	DATE	TIME	LATITUDE	LONGITUDE
138	28 AUG 77	01:27:00	40 12.0 N	72 24.5 W
SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH		
64	21	-		

DEPTH
10.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES - -	1.0	60.18	4275
LEPTOCYLINDRUS DANICUS - - - - -	2.0	15.50	1101
CHAETOCEROS AFFINIS V. WILLEY -	3.0	8.85	629
THALASSIONEMA NITZSCHIOIDES - - -	4.0	4.42	314
NITZSCHIA CLOSTERIUM - - - - -	7.0	2.21	157
PERIDINIUM TROCHOIDEUM - - - - -	7.0	2.21	157
PERIDINIUM SP. - - - - -	7.0	2.21	157
GYMNODINIUM SP. - - - - -	7.0	2.21	157
MONADI - - - - -	7.0	2.21	157
TOTALS	9	100	7104.

PERCENT
O F
TOTAL

DIATOM - - - - - 30.98
DINOFLAGELLATE - 66.81
OTHER - - - - - 2.21

- DATA NOT TAKEN

STATION 139	DATE 28 AUG 77	TIME 03:12:00	LATITUDE 40 21.0 N	LONGITUDE 72 24.6 W
SONIC DEPTH 53		SURFACE TEMPERATURE 21	ONE % LIGHT DEPTH -	

DEPTH
10.0

S P E C I E S	RANK	%	NO/L
RHIZOSOLENIA ALATA V. GRACILLIMA	1.0	26.66	542
NITZSCHIA CLOSTERIUM - - - - -	2.5	20.02	407
THALASSIONEMA NITZSCHIOIDES - -	2.5	20.02	407
RHIZOSOLENIA SETIGERA - - - - -	4.5	13.33	271
COSCIINODISCUS MARGINATUS - - - -	4.5	13.33	271
COSCIINODISCUS SP. - - - - -	6.0	6.64	135
TOTALS	6	100	2033

PERCENT
O F
TOTAL

DIATOM - - - - -	100.00
DINOFLAGELLATE -	0.00
OTHER - - - - -	0.00

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION	DATE	TIME	LATITUDE	LONGITUDE
140	28 AUG 77	04:47:00	40 32.9 N	72 26.1 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
41	21	-

DEPTH
20.0

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.0	50.41	19350
UNIDENTIFIED FLAGELLATE - - - - -	2.0	40.33	15480
THALASSIONEMA NITZSCHIOIDES - - - - -	3.0	4.08	1567
COSKINODISCUS MARGINATUS - - - - -	4.0	1.48	569
THALASSIOSIRA DECIPIENS - - - - -	5.0	1.11	427
DISTEPHANUS SPECULUM - - - - -	6.5	0.74	284
GYMNODINIUM SP. - - - - -	6.5	0.74	284
DISTEPHANUS CRUX - - - - -	9.0	0.37	142
CERATIUM EXTENSUM - - - - -	9.0	0.37	142
PERIDINIUM SP. - - - - -	9.0	0.37	142
TOTALS	10	100	38387

PERCENT
O F
TOTAL

DIATOM - - - - -	6.68
DINOFLAGELLATE - - - - -	1.48
OTHER - - - - -	91.84

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
141PR	28 AUG 77	07:43:00	40 46.4 N	72 30.6 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
29	-	21

DEPTH
0.0

S P E C I E S	RANK	%	NO/L
SKELETONEMA COSTATUM	1.0	88.20	1659000
NITZSCHIA DELICATISSIMA	2.0	6.08	114300
MONADI	3.0	1.29	24300
CERATIUM LINEATUM	4.0	0.80	15050
UNIDENTIFIED FLAGELLATE	5.0	0.65	12150
PROROCENTRUM MICANS	6.0	0.43	8048
THALASSIONEMA NITZSCHIOIDES	7.0	0.40	7452
LEPTOCYLINDRUS DANICUS	8.0	0.39	7303
EXUVIELLA MARINA	9.0	0.35	6557
NITZSCHIA SERIATA	10.0	0.22	4173
UNIDENTIFIED DINOFLAGELLATES	11.0	0.22	4050
CHAETOCEROS DIFFICILE	12.0	0.15	2832
EBRIA TRIPARTITA	13.0	0.13	2384
CERATIUM FUSUS	14.0	0.11	2086
FRAGILARIA SP.	15.0	0.08	1490
CERATAULINA SP.	17.0	0.06	1192
LEPTOCYLINDRUS MINIMUS	17.0	0.06	1192
CHAETOCEROS DIDYMUS	17.0	0.06	1192
CHAETOCEROS DEBILE	19.0	0.05	894
COSCINODISCUS SP.	20.5	0.04	745
COSINOSIRA OESTRUPII	20.5	0.04	745
CHAETOCEROS SP.	23.5	0.03	596
CHAETOCEROS SIMPLEX	23.5	0.03	596
DITYLUM BRIGHTWELLII	23.5	0.03	596
LITHODESMIUM UNDULATUM	23.5	0.03	596
EUCAMPIA ZODIACUS	27.0	0.02	298
CHAETOCEROS AFFINIS V. WILLEY	27.0	0.02	298
DISTEPHANUS SPECULUM	27.0	0.02	298
NITZSCHIA CLOSTERIUM	30.5	0.01	149
CHAETOCEROS DENSUS	30.5	0.01	149
CORETHRON CRIOPHILUM	30.5	0.01	149
DINOPHYSIS ACUMINATA	30.5	0.01	149
TOTALS	32	100	1881009

PERCENT
OF
TOTAL

DIATOM - - - - - 96.01
DINOFLAGELLATE - - - 1.91
OTHER - - - - - 2.08
- 855 -

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 141PR	DATE 28 AUG 77	TIME 07:43:00	LATITUDE 40 46.4 N	LONGITUDE 72 30.6 W
SONIC DEPTH 29		SURFACE TEMPERATURE -	ONE % LIGHT DEPTH 21	
DEPTH 21.0				

S P E C I E S	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	48.53	38100
THALASSIONEMA NITZSCHIOIDES - - -	2.0	11.85	9300
UNIDENTIFIED FLAGELLATE - - - - -	3.5	10.38	8152
MONADI - - - - -	3.5	10.38	8152
DISTEPHANUS SPECULUM - - - - -	5.0	4.33	3400
NITZSCHIA DELICATISSIMA - - - - -	6.0	3.57	2800
COSINOSIRA OESTRUPII - - - - -	7.0	2.55	2000
CORETHRON CRIOPHILUM - - - - -	8.0	2.04	1600
EXUVIELLA MARINA - - - - -	9.5	1.02	800
COSCINODISCUS EXCENTRICUS - - - - -	9.5	1.02	800
NITZSCHIA CLOSTERIUM - - - - -	11.0	0.76	600
COSCINODISCUS SP. - - - - -	13.5	0.51	400
EBRIA TRIPARTITA - - - - -	13.5	0.51	400
COSCINODISCUS LINEATUS - - - - -	13.5	0.51	400
THALASSIOSIRA DECIPIENS - - - - -	13.5	0.51	400
CERATIUM LINEATUM - - - - -	16.5	0.38	300
GYMNODINIUM SP. - - - - -	16.5	0.38	300
DINOPHYSIS ACUMINATA - - - - -	18.5	0.25	200
PERIDINIUM SP. - - - - -	18.5	0.25	200
COSCINODISCUS MARGINATUS - - - - -	20.5	0.13	100
RHIZOSOLENIA SHRUBSOLEI - - - - -	20.5	0.13	100
TOTALS	21	100	78504

PERCENT
O F
TOTAL

DIATOM - - - - -	72.10
DINOFLAGELLATE -	2.29
OTHER - - - - -	25.61

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
147	29 AUG 77	09:08:00	40 46.5 N	72 31.5 W
SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH		
28	19	-		
DEPTH				
0.0				

S P E C I E S	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	87.12	1199000
NITZSCHIA DELICATISSIMA - - - - -	2.0	6.82	93860
UNIDENTIFIED FLAGELLATE - - - - -	3.0	2.60	35810
CERATIUM LINEATUM - - - - -	4.0	1.07	14790
MONADI - - - - -	5.0	0.58	7957
UNIDENTIFIED DINOFLAGELLATES - -	6.0	0.29	3979
EBRIA TRIPARTITA - - - - -	7.0	0.23	3221
LEPTOCYLINDRUS DANICUS - - - - -	8.0	0.20	2782
NITZSCHIA SERIATA - - - - -	9.0	0.18	2489
EXUVIELLA MARINA - - - - -	10.0	0.17	2343
THALASSIONEMA NITZSCHIOIDES - -	11.0	0.16	2196
PROROCENTRUM MICANS - - - - -	12.0	0.14	1903
THALASSIOSIRA DECIPIENS - - - - -	13.0	0.11	1464
CHAETOCEROS DIDYMUS - - - - -	14.0	0.09	1171
CHAETOCEROS DIFFICILE - - - - -	15.0	0.06	878
HEMIAULUS SP. - - - - -	16.0	0.05	732
LEPTOCYLINDRUS MINIMUS - - - - -	17.0	0.04	585
NITZSCHIA CLOSTERIUM - - - - -	18.5	0.02	292
CERATIUM FUSUS - - - - -	18.5	0.02	292
CHAETOCEROS SIMPLEX - - - - -	21.5	0.01	146
CHAETOCEROS GRACILE - - - - -	21.5	0.01	146
DITYLUM BRIGHTWELLII - - - - -	21.5	0.01	146
PERIDINIUM TROCHOIDEUM - - - - -	21.5	0.01	146
TOTALS	23	100	1376328

PERCENT
O F
TOTAL

DIATOM - - - - - 94.88
DINOFLAGELLATE - 1.70
OTHER - - - - - 3.41

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION	DATE	TIME	LATITUDE	LONGITUDE
147PR	29 AUG 77	07:12:00	40 46.5 N	72 31.5 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
29	-	24

DEPTH
0.0

SPECIES	RANK	%	NO/L
SKELETONEMA COSTATUM	1.0	83.99	1281000
NITZSCHIA DELICATISSIMA	2.0	9.59	146300
MCJADI	3.0	1.77	27040
LEPTOCYLINDRUS DANICUS	4.0	0.67	10280
CERATIUM LINEATUM	5.0	0.60	9121
UNIDENTIFIED FLAGELLATE	6.5	0.59	9013
UNIDENTIFIED DINOFLAGELLATES	6.5	0.59	9013
THALASSIONEMA NITZSCHIOIDES	8.0	0.32	4809
EBRIA TRIPARTITA	9.0	0.28	4312
LEPTOCYLINDRUS MINIMUS	10.0	0.25	3814
EXUVIELLA MARINA	11.0	0.24	3648
EUCAMPIA ZODIACUS	12.0	0.20	2985
CERATAULINA SP.	13.0	0.15	2322
NITZSCHIA SERIATA	14.0	0.14	2156
PROROCENTRUM MICANS	15.5	0.13	1990
THALASSIOSIRA DECIPIENS	15.5	0.13	1990
CHAETOCEROS SP.	17.0	0.07	995
CYCLOTELLA NANA	18.0	0.04	663
CHAETOCEROS SIMPLEX	20.0	0.03	497
GYMNODINIUM SP.	20.0	0.03	497
CERATIUM FUSUS	20.0	0.03	497
NITZSCHIA CLOSTERIUM	23.5	0.02	331
LITHODESMIUM UNDULATUM	23.5	0.02	331
CORETHRON CRIOPHILUM	23.5	0.02	331
COSCIINODISCUS LINEATUS	23.5	0.02	331
RHIZOSOLENIA SETIGERA	28.0	0.01	165
RHIZOSOLENIA SHRUBSOLEI	28.0	0.01	165
CITYLUM BRIGHTWELLII	28.0	0.01	165
PERIDINIUM OBLONGUM	28.0	0.01	165
GYRODINIUM SP.	28.0	0.01	165
TOTALS	30	100	1525091

PERCENT
OF
TOTAL

DIATOM	95.71
DINOFLAGELLATE	1.65
OTHER	2.65

STATION	DATE	TIME	LATITUDE	LONGITUDE
147PR	29 AUG 77	07:12:00	40 46.5 N	72 31.5 W

SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
29	-	24

DEPTH
14.0

SPECIES	RANK	%	NO/L
SKELETONEMA COSTATUM	1.0	48.94	63090
MONADI	2.0	17.16	22120
CERATIUM LINEATUM	3.0	14.10	18180
EXUVIELLA MARINA	4.0	6.32	8141
UNIDENTIFIED FLAGELLATE	5.0	2.86	3687
DISTEPHANUS SPECULUM	6.0	2.63	3392
THALASSIONEMA NITZSCHIOIDES	7.0	2.53	3256
PROROCENTRUM MICANS	8.0	1.05	1357
NITZSCHIA DELICATISSIMA	9.0	0.95	1221
COSCIINODISCUS SP.	10.0	0.63	814
THALASSIOSIRA DECIPIENS	11.0	0.53	678
EBRIA TRIPARTITA	12.5	0.42	542
CHAETOCEROS DIFFICILE	12.5	0.42	542
LEPTOCYLINDRUS DANICUS	14.0	0.32	407
CERATIUM FUSUS	16.0	0.21	271
GYMNODINIUM SP.	16.0	0.21	271
DINOPHYSIS ACUMINATA	16.0	0.21	271
NITZSCHIA CLOSTERIUM	20.0	0.10	135
GYRODINIUM SP.	20.0	0.10	135
COSCIINODISCUS EXCENTRICUS	20.0	0.10	135
GYROSIGMA SP.	20.0	0.10	135
CERATIUM TRIPOS	20.0	0.10	135
TOTALS	22	100	128915

PERCENT
OF
TOTAL

DIATOM	54.62
DINOFLAGELLATE	22.31
OTHER	23.07

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 148	DATE 29 AUG 77	TIME 11:38:00	LATITUDE 40 30.4 N	LONGITUDE 72 16.5 W
SONIC DEPTH 53		SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	

DEPTH
19.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	38.74	4279
COSCIINODISCUS SP. - - - - -	2.0	18.53	2047
COSCIINODISCUS MARGINATUS - - - -	3.0	11.41	1260
THALASSIOSIRA DECIPIENS - - - - -	5.5	5.69	629
CYCLOTELLA NANA - - - - -	5.5	5.69	629
COSCIINODISCUS EXCENTRICUS - - - -	5.5	5.69	629
THALASSIONEMA NITZSCHIOIDES - - -	5.5	5.69	629
GYRODINIUM SP. - - - - -	8.0	2.85	315
CERATIUM TRIPOS - - - - -	10.5	1.42	157
CERATIUM LINEATUM - - - - -	10.5	1.42	157
CERATIUM FUSUS - - - - -	10.5	1.42	157
DISTEPHANUS SPECULUM - - - - -	10.5	1.42	157
TOTALS	12	100	11045

PERCENT O F TOTAL	
DIATOM - - - - -	52.72
DINOFLAGELLATE - -	7.12
OTHER - - - - -	40.16

- DATA NOT TAKEN

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STATION      DATE      TIME      LATITUDE    LONGITUDE
  149      29 AUG 77   14:11:00   40 20.0 N   72  8.5 W
-----
                SONIC      SURFACE      ONE % LIGHT
                DEPTH      TEMPERATURE  DEPTH
                  61          21             -
-----

DEPTH
  20.0
-----

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S P E C I E S		RANK	%	NO/L
UNIDENTIFIED DINOFLAGELLATES	- -	1.0	85.79	21740
THALASSIONEMA NITZSCHIOIDES	- - -	2.0	3.16	800
DINOPHYSIS ACUMINATA	- - - - -	3.5	2.37	600
EXUVIELLA MARINA	- - - - -	3.5	2.37	600
COSINOSIRA OESTRUPII	- - - - -	6.0	1.58	400
CERATIUM FUSUS	- - - - -	6.0	1.58	400
PERIDINIUM SP.	- - - - -	6.0	1.58	400
NITZSCHIA CLOSTERIUM	- - - - -	8.5	0.79	200
COSCINODISCUS EXCENTRICUS	- - -	8.5	0.79	200
	TOTALS	9	100	25340

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PERCENT
  O F
  TOTAL

DIATOM - - - - - 6.31
DINOFLAGELLATE - 93.69
OTHER - - - - - 0.00

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- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION 150	DATE 29 AUG 77	TIME 15:43:00	LATITUDE 40 14.5 N	LONGITUDE 72 4.0 W

	SONIC DEPTH 66	SURFACE TEMPERATURE 21	ONE % LIGHT DEPTH -	

DEPTH
20.0

S P E C I E S	RANK	%	NO/L
MONADI - - - - -	1.5	46.18	9386
UNIDENTIFIED FLAGELLATE - - - - -	1.5	46.18	9386
THALASSIONEMA NITZSCHIOIDES - -	3.0	3.40	690
DINOPHYSIS ACUMINATA - - - - -	4.0	2.55	518
COSCIDINODISCUS SP. - - - - -	5.5	0.85	172
GYMNODINIUM SP. - - - - -	5.5	0.85	172
TOTALS	6	100	20324

PERCENT O F TOTAL	
DIATOM - - - - -	4.24
DINOFLAGELLATE -	3.40
OTHER - - - - -	92.36

- DATA NOT TAKEN

STATION 151	DATE 29 AUG 77	TIME 17:07:00	LATITUDE 40 9.2 N	LONGITUDE 72 0.0 W
SONIC DEPTH 65		SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH -	

DEPTH
35.0

S P E C I E S	RANK	%	NO/L
UNIDENTIFIED FLAGELLATE - - - -	1.0	88.13	14130
COSCIINODISCUS SP. - - - - -	2.0	5.40	866
COSCIINODISCUS EXCENTRICUS - - -	3.0	3.24	519
EXUVIELLA MARINA - - - - -	5.0	1.08	173
PERIDINIUM SP. - - - - -	5.0	1.08	173
GYMNODINIUM SP. - - - - -	5.0	1.08	173
TOTALS	6	100	16034

	PERCENT O F TOTAL
DIATOM - - - - -	8.64
DINOFLAGELLATE -	3.24
OTHER - - - - -	88.13

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

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STATION      DATE      TIME      LATITUDE    LONGITUDE
  152      29 AUG 77    19:00:00    40  2.3 N    71 53.5 W
-----
SONIC        SURFACE    ONE % LIGHT
DEPTH        TEMPERATURE  DEPTH
   82         22         -
-----

DEPTH
  40.0
-----

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S P E C I E S		RANK	%	NO/L
COSCI NODISCUS EXCENTRICUS	- - -	1.0	41.64	13600
DACTYLIOSOLEN MEDITERRANEUS	- - -	2.0	23.59	7704
UNIDENTIFIED DINOFLAGELLATES	- -	3.0	12.57	4105
EXUVIELLA MARINA	- - - - -	4.0	8.79	2870
PERIDINIUM SP.	- - - - -	5.0	6.94	2266
NITZSCHIA DELICATISSIMA	- - - - -	6.0	2.31	755
GYMNODINIUM SP.	- - - - -	7.0	1.85	604
COSCI NODISCUS SP.	- - - - -	10.0	0.46	151
COSCI NODISCUS CONCINNUS	- - - -	10.0	0.46	151
LITHODESMIUM UNDULATUM	- - - - -	10.0	0.46	151
DINOPHYSIS ACUMINATA	- - - - -	10.0	0.46	151
OXYTOXUM GLADIOLUS	- - - - -	10.0	0.46	151
TOTALS		12	100	32659

```

PERCENT
  O F
  TOTAL

DIATOM - - - - - 68.93
DINOFLAGELLATE - 31.07
OTHER - - - - - 0.00

```

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

```

-----
STATION      DATE      TIME      LATITUDE    LONGITUDE
  155      30 AUG 77    05:57:00    41  4.9 N    71 42.8 W
-----
                SONIC      SURFACE      ONE % LIGHT
                DEPTH      TEMPERATURE  DEPTH
                  53          18             -
-----

DEPTH
  10.0
-----

```

S P E C I E S	RANK	%	NO/L
SKELETONEMA COSTATUM	1.0	86.35	340500
MONADI	2.0	5.39	21260
NITZSCHIA DELICATISSIMA	3.0	3.64	14340
THALASSIONEMA NITZSCHIOIDES	4.0	0.89	3520
THALASSIOSIRA DECIPIENS	5.0	0.60	2347
COSCINODISCUS SP.	6.0	0.33	1304
MELOSIRA MONILIFORMIS	7.0	0.26	1043
NITZSCHIA CLOSTERIUM	8.5	0.23	912
LEPTOCYLINDRUS DANICUS	8.5	0.23	912
RHIZOSOLENIA DELICATULA	11.0	0.20	782
EXUVIELLA MARINA	11.0	0.20	782
CHAETOCEROS SP.	11.0	0.20	782
DISTEPHANUS SPECULUM	14.0	0.17	651
LEPTOCYLINDRUS MINIMUS	14.0	0.17	651
CERATIUM LINEATUM	14.0	0.17	651
CORETHRON CRIOPHILUM	17.5	0.13	521
EBRIA TRIPARTITA	17.5	0.13	521
COSCINODISCUS EXCENTRICUS	17.5	0.13	521
ASTERIONELLA JAPONICA	17.5	0.13	521
CHAETOCEROS GRACILE	20.5	0.10	391
CHAETOCEROS DIDYMUS	20.5	0.10	391
CYCLOTELLA NANA	23.0	0.07	260
PLEUROSIGMA SP.	23.0	0.07	260
PROROCENTRUM MICANS	23.0	0.07	260
CERATIUM FUSUS	25.5	0.03	130
GYMNODINIUM SP.	25.5	0.03	130
TOTALS	26	100	394343

PERCENT
O F
TOTAL

DIATOM	93.82
DINOFLAGELLATE	0.50
OTHER	5.69

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 KNORR PHYTOPLANKTON REPORT 16

STATION	DATE	TIME	LATITUDE	LONGITUDE
155	30 AUG 77	05:57:00	41 4.9 N	71 42.8 W
	SONIC DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
	53	18	-	

DEPTH
20.0

SPECIES	RANK	%	NO/L
SKELETONEMA COSTATUM - - - - -	1.0	80.21	210500
MONADI - - - - -	2.0	6.75	17710
UNIDENTIFIED FLAGELLATE - - - - -	3.0	4.05	10630
RHIZOSOLENIA DELICATULA - - - - -	4.5	1.74	4563
NITZSCHIA DELICATISSIMA - - - - -	4.5	1.74	4563
THALASSIONEMA NITZSCHIOIDES - - - - -	6.0	0.84	2216
CERATIUM LINEATUM - - - - -	7.0	0.65	1695
COSCIINODISCUS SP. - - - - -	8.0	0.60	1565
THALASSIOSIRA DECIPIENS - - - - -	9.0	0.50	1304
ASTERIONELLA JAPONICA - - - - -	10.5	0.40	1043
DISTEPHANUS SPECULUM - - - - -	10.5	0.40	1043
CHAETOCEROS DEBILE - - - - -	12.0	0.35	912
EXUVIELLA MARINA - - - - -	13.0	0.30	782
PROROCENTRUM MICANS - - - - -	14.0	0.25	651
MELOSIRA MONILIFORMIS - - - - -	15.0	0.20	521
CHAETOCEROS DIDYMUS - - - - -	17.5	0.15	391
CORETHRON CRIOPHILUM - - - - -	17.5	0.15	391
EBRIA TRIPARTITA - - - - -	17.5	0.15	391
LEPTOCYLINDRUS MINIMUS - - - - -	17.5	0.15	391
COSCIINODISCUS EXCENTRICUS - - - - -	20.5	0.10	260
NITZSCHIA SERIATA - - - - -	20.5	0.10	260
NITZSCHIA CLOSTERIUM - - - - -	24.0	0.05	130
PLEUROSIGMA SP. - - - - -	24.0	0.05	130
CHAETOCEROS GRACILE - - - - -	24.0	0.05	130
CHAETOCEROS SIMPLEX - - - - -	24.0	0.05	130
PERIDINIUM SP. - - - - -	24.0	0.05	130
TOTALS	26	100	262432

PERCENT
OF
TOTAL

DIATOM - - - - -	87.41
DINOFLAGELLATE - - - - -	1.24
OTHER - - - - -	11.35

- DATA NOT TAKEN

PART II

FRV ALBATROSS IV CRUISE 77-07

1-4, 16-30 AUGUST 1977

867/868

INTRODUCTION

This cruise was a collaborative investigation with the Northeast Fisheries Center of the summer distribution of some important biological variables occurring on the New England shelf. The Center set trawls to assess fish and invertebrate specie distribution/abundance and we sampled surface-layer and water-column chlorophyll a and water-column nutrient concentrations, our immediate interest being the Nantucket Shoals/Georges Bank regimes in order to describe the "upstream" conditions contemporaneous with the KNORR investigations in the New York Bight. The Center also described the thermal-haline structure by sounding with XBTs and measuring discrete salinities drawn from representative hydrocasts.

METHODS

Nutrients, Chlorophyll a

The nutrient methods are described infra, p. 7 and were followed for these analyses except that the samples were frozen aboard ALBATROSS immediately following their drawing from the hydrobottles. Surface-layer and discrete chlorophyll a concentrations were measured shipboard according to KNORR procedures, p. 5.

Temperature, Salinity

The reported temperatures were obtained from soundings of Sippican XBTs and were transcribed from a NODC report. The manufacturer's specifications for accuracy are:

(1) System

Temperature: $\pm 0.2^{\circ}\text{C}$

Depth: $\pm 2\%$ or 4.6 m, whichever is greater

(2) Probe

Thermal response: 63% of a step change in temperature in 1 m; 95% of a step change in temperature in 3 m.

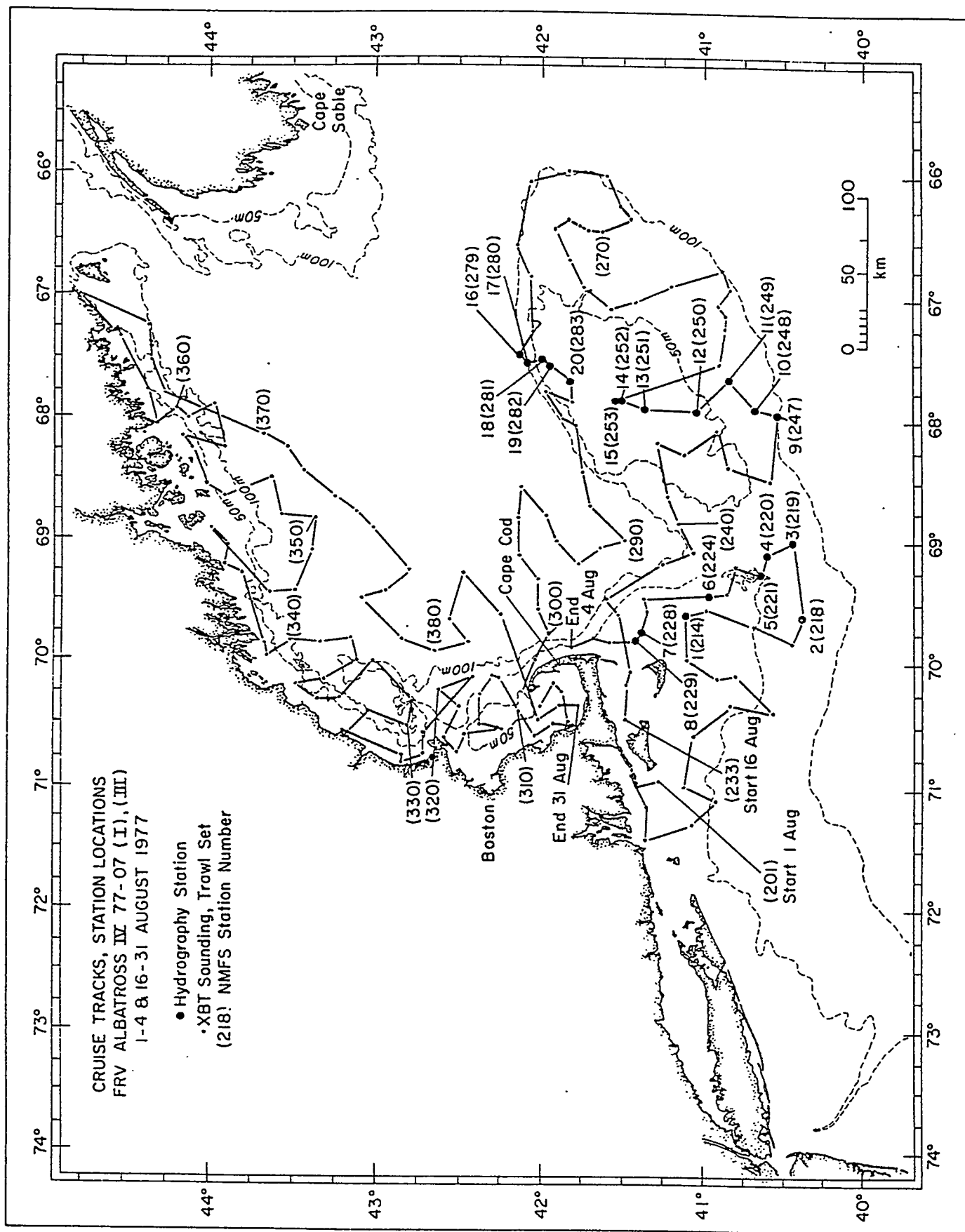


Figure 4. Cruise tracks, station locations, FRV ALBATROSS IV cruise 77-07

Salinities were drawn into well rinsed, borosilicate glass bottles stoppered with tight-fitting caps. A conductance salinometer (Guildline Instruments AutoSal 8400) was used by the Center to measure concentrations (%).

PARTICIPANT

Dan Patanjo* - Brookhaven National Laboratory

*Currently with Northeast Fisheries Center, Woods Hole, Mass.

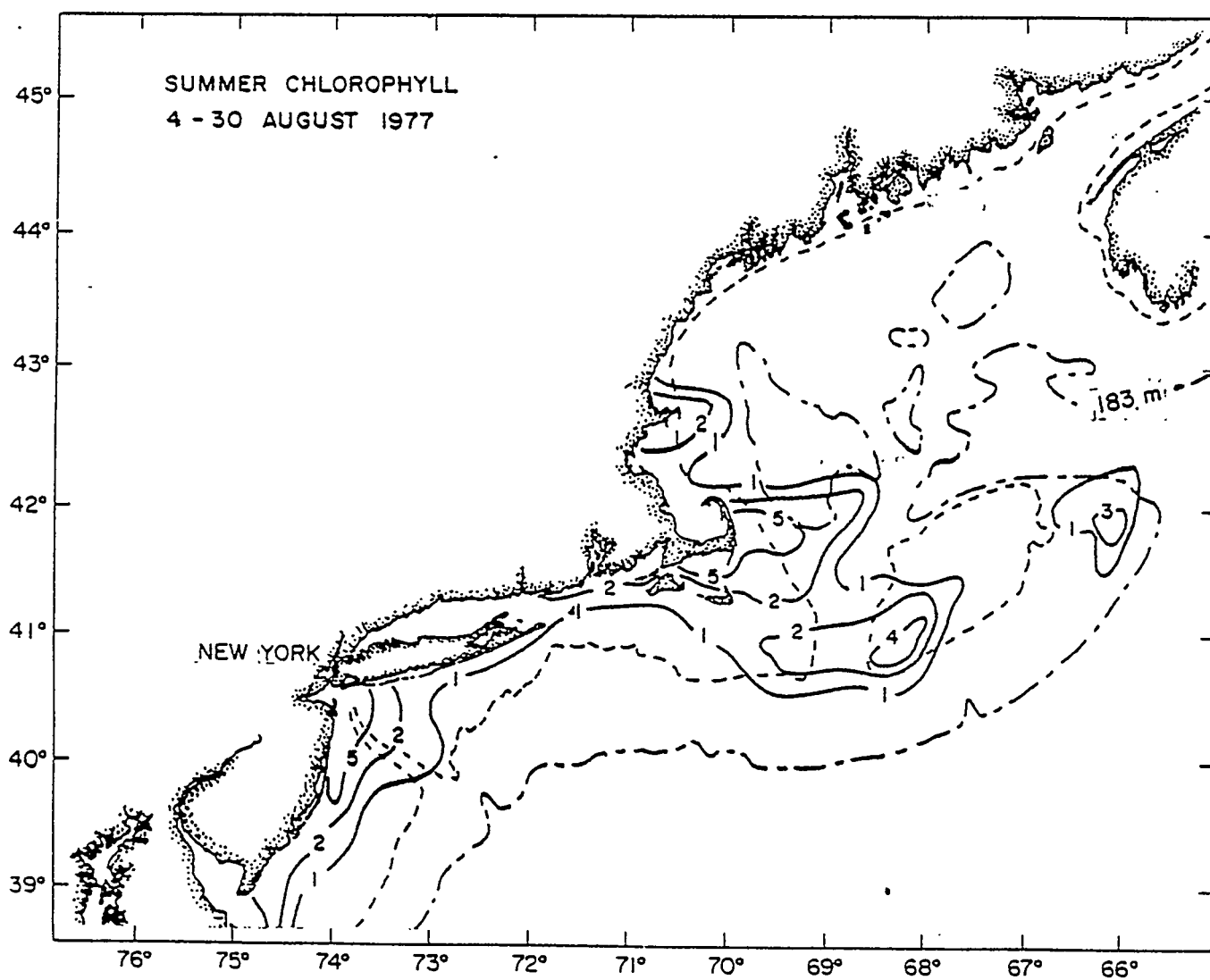


Figure 5. Surface-layer chlorophyll *a*, Georges Bank/New York Bight, 4-30 August 1977

HYDROGRAPHY

ATLANTIC COASTAL EXPERIMENT - 3 ALBATROSS IV HYDROGRAPHY REPORT 20-AUG-82

TEMPERATURES WERE TAKEN FROM A NODC ANALYSIS OF ALBATROSS XBT SOUNDINGS AND, FOR SOME STATIONS, ARE INTERPOLATIONS BETWEEN TRACE INFLECTION POINTS SPANNING ONE OR MORE BOTTLE DEPTHS.

T A B L E O F U N I T S

NMFS STATION		MESSENGER			
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
			EDT	DEG N	DEG W
	SONIC	WIND	WIND	BAROMETRIC	
	DEPTH	DIRECTION	SPEED	PRESSURE	
	METERS	DEGREES	M/SEC	MBS (TRUNC)	
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN	
M	C	PARTS/1000		CHLOROPHYLL	
				UG/L	UG/L
DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
M	UG-AT/L	UG-AT/L	UG-AT/L	UG-AT/L	UG-AT/L

ATLANTIC COASTAL EXPERIMENT - 3 ALBATROSS IV HYDROGRAPHY REPORT 20-AUG-82

NMFS STATION		MESSENGER			
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
1	214	2 AUG 77	22:30:00	41 8.0 N	69 35.0 W
SONIC		WIND	WIND	BAROMETRIC	
DEPTH		DIRECTION	SPEED	PRESSURE	
30		300	2	20.2	

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN	
				CHLOROPHYLL	
0	14.19	31.903	23.78	2.13	2.43
5	14.00	31.940	23.85	1.28	1.13
10	13.94	31.945	23.86	-	-
15	13.60	31.939	23.93	-	-
20	12.86	-	-	0.21	0.22
25	12.70	31.960	24.12	1.22	1.63

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	-	-	-	-	-
5	-	-	-	-	-
10	-	-	-	-	-
15	-	-	-	-	-
20	-	-	-	-	-
25	-	-	-	-	-

- DATA NOT TAKEN

NMFS STATION			MESSENGER		
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
2	218	3 AUG 77	10:07:00	40 24.0 N	69 36.5 W
SONIC			WIND	BAROMETRIC	
DEPTH			SPEED	PRESSURE	
70			190	0	
				16.9	

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN	
				CHLOROPHYLL	
0	21.20	31.991	22.18	1.03	1.37
10	17.33	32.116	23.25	1.09	1.50
20	11.61	31.979	24.34	1.03	1.34
30	9.09	32.034	24.81	0.79	1.18

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	-	-	-	-	-
10	-	-	-	-	-
20	-	-	-	-	-
30	-	-	-	-	-

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 ALBATROSS IV HYDROGRAPHY REPORT 20-AUG-82

NMFS STATION			MESSENGER		
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
3	219	3 AUG 77	14:37:00	40 28.0 N	69 0.0 W
SONIC			BAROMETRIC		
DEPTH	WIND DIRECTION	WIND SPEED	PRESSURE		
77	160	2	21.3		

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN	
				CHLOROPHYLL	
5	19.17	33.197	23.62	0.17	0.13
10	18.43	33.171	23.79	0.09	0.13
30	9.15	33.019	25.57	0.10	0.08
50	8.65	33.188	25.78	0.16	0.24
77	8.55	33.225	25.82	0.12	0.26

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
5	-	-	-	-	-
10	-	-	-	-	-
30	-	-	-	-	-
50	-	-	-	-	-
77	-	-	-	-	-

- DATA NOT TAKEN

NMFS STATION		MESSENGER			
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
4	220	3 AUG 77	16:10:00	40 37.5 N	69 6.0 W
SONIC		WIND	WIND	BAROMETRIC	
DEPTH		DIRECTION	SPEED	PRESSURE	
77		160	2	20.0	

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN	
				CHLOROPHYLL	
5	19.46	32.894	23.32	0.21	0.25
10	18.94	33.406	23.84	0.24	0.33
30	9.60	33.049	25.52	0.91	1.13
50	9.43	33.090	25.58	0.49	0.75
75	9.17	33.099	25.63	0.29	0.43

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
5	-	-	-	-	-
10	-	-	-	-	-
30	-	-	-	-	-
50	-	-	-	-	-
75	-	-	-	-	-

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 ALBATROSS IV HYDROGRAPHY REPORT 20-AUG-82

NMFS STATION			MESSENGER		
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
5	221	3 AUG 77	17:54:00	40 40.0 N	69 16.0 W
SONIC		WIND	WIND	BAROMETRIC	
DEPTH		DIRECTION	SPEED	PRESSURE	
59		260	2	16.3	

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN
5	11.81	32.454	24.67	2.74	2.46
10	11.77	32.472	24.69	1.06	0.76
30	11.59	32.750	24.94	1.09	0.77
50	11.32	32.987	25.17	1.16	0.71

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
5	-	-	-	-	-
10	-	-	-	-	-
30	-	-	-	-	-
50	-	-	-	-	-

- DATA NOT TAKEN

NMFS STATION		MESSENGER			
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
6	224	4 AUG 77	01:04:00	40 58.9 N	69 26.0 W
SONIC		WIND	WIND	BAROMETRIC	
DEPTH		DIRECTION	SPEED	PRESSURE	
45		210	6	16.3	

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN	
				CHLOROPHYLL	
5	12.29	32.067	24.28	1.16	1.36
10	12.28	32.048	24.27	2.13	1.88
30	12.24	32.055	24.28	0.79	1.65
45	-	32.042	-	2.28	2.74

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
5	-	-	-	-	-
10	-	-	-	-	-
30	-	-	-	-	-
45	-	-	-	-	-

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 ALBATROSS IV HYDROGRAPHY REPORT 20-AUG-82

NMFS STATION		MESSENGER			
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
7	228	4 AUG 77	09:35:00	41 24.0 N	69 43.6 W
SONIC		WIND	WIND	BAROMETRIC	
DEPTH		DIRECTION	SPEED	PRESSURE	
15		245	3	16.6	

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN	
				CHLOROPHYLL	
5	10.15	32.116	24.70	0.94	1.08
10	10.15	32.116	24.70	0.97	0.98
15	10.16	32.129	24.71	0.97	1.12

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
5	-	-	-	-	-
10	-	-	-	-	-
15	-	-	-	-	-

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 , ALBATROSS IV HYDROGRAPHY REPORT 20-AUG-82

NMFS STATION		MESSENGER			
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
8	229	4 AUG 77	11:25:00	41 26.2 N	69 48.0 W
SONIC		WIND	WIND	BAROMETRIC	
DEPTH		DIRECTION	SPEED	PRESSURE	
24		250	2	16.6	

FLOUROMETRIC PHAEOPHYTIN				
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL
5	11.85	31.951	24.27	2.43
10	11.82	31.932	24.26	2.43
20	-	31.986	-	2.58

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
5	-	-	-	-	-
10	-	-	-	-	-
20	-	-	-	-	-

- DATA NOT TAKEN

NMFS STATION			MESSENGER		
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
9	247	17 AUG 77	18:54:00	40 34.0 N	67 57.0 W
SONIC			WIND	BAROMETRIC	
DEPTH			DIRECTION	SPEED	
99			210	6	
				9.1	

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN	
				CHLOROPHYLL	
0	20.52	-	-	0.29	0.00
10	17.84	-	-	0.19	0.00
60	9.81	-	-	0.15	0.12
90	9.91	-	-	0.19	0.12

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	-	-	-	-	-
10	-	-	-	-	-
60	-	-	-	-	-
90	-	-	-	-	-

- DATA NOT TAKEN

NMFS STATION			MESSENGER		
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
10	248	17 AUG 77	21:15:00	40 42.0 N	67 54.0 W
SONIC		WIND	WIND	BAROMETRIC	
DEPTH		DIRECTION	SPEED	PRESSURE	
70		280	10	8.8	

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN CHLOROPHYLL	
0	17.80	-	-	0.15	0.00
10	17.17	-	-	-	-
30	11.00	-	-	-	-
60	9.77	-	-	-	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	-	-	-	-	-
10	-	-	-	-	-
30	-	-	-	-	-
60	-	-	-	-	-

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 ALBATROSS IV HYDROGRAPHY REPORT 20-AUG-82

NMFS STATION			MESSENGER		
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
11	249	18 AUG 77	00:15:00	40 52.0 N	67 39.0 W
SONIC			WIND	BAROMETRIC	
DEPTH			DIRECTION	SPEED	
70			230	7	
				PRESSURE	
				7.8	

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN	
				CHLOROPHYLL	
0	18.27	32.450	23.28	0.14	0.12
5	17.72	-	-	0.31	0.01
20	13.74	32.780	24.55	0.82	0.29
30	10.48	32.950	25.29	1.82	1.00
50	9.64	33.070	25.53	-	-
70	9.49	33.030	25.52	0.64	0.71

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	-	-	-	-	-
5	-	-	-	-	-
20	-	-	-	-	-
30	-	-	-	-	-
50	-	-	-	-	-
70	-	-	-	-	-

- DATA NOT TAKEN

NMFS STATION			MESSENGER		
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
12	250	18 AUG 77	03:34:00	41 4.0 N	67 55.0 W
SONIC		WIND	WIND	BAROMETRIC	
DEPTH		DIRECTION	SPEED	PRESSURE	
45		220	6	9.5	

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN	
				CHLOROPHYLL	
0	14.73	32.684	24.27	0.97	0.67
5	14.21	32.629	24.33	1.25	0.80
10	14.20	32.602	24.32	1.14	3.88
30	14.14	-	-	2.58	1.75
45	14.10	32.559	24.30	2.58	0.52

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	1.55	2.45	0.11	0.10	1.01
5	1.52	2.23	0.01	0.11	0.88
10	1.46	2.01	0.36	0.12	0.82
30	1.58	2.89	0.06	0.11	1.14
45	1.47	1.56	0.34	0.09	1.83

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 ALBATROSS IV HYDROGRAPHY REPORT 20-AUG-82

NMFS STATION		MESSENGER			
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
13	251	18 AUG 77	07:12:00	41 23.0 N	67 54.0 W
SONIC		WIND	WIND	BAROMETRIC	
DEPTH		DIRECTION	SPEED	PRESSURE	
42		250	4	9.8	

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN	
				CHLOROPHYLL	
0	17.23	32.600	23.64	0.91	1.46
10	17.08	32.580	23.66	0.73	0.67
20	17.05	32.630	23.71	1.28	1.28
40	16.99	33.620	24.48	1.75	1.85

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	1.65	4.40	0.19	0.08	1.91
10	1.46	3.35	0.00	0.05	0.35
20	1.44	3.35	0.01	0.04	0.22
40	1.55	3.79	0.01	0.12	1.17

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 ALBATROSS IV HYDROGRAPHY REPORT 20-AUG-82

NMFS STATION		MESSENGER			
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
14	252	18 AUG 77	09:10:00	41 32.0 N	67 50.0 W
SONIC		WIND	WIND	BAROMETRIC	
DEPTH		DIRECTION	SPEED	PRESSURE	
35		270	5	11.9	

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN CHLOROPHYLL	
0	18.67	32.650	23.33	0.04	0.00
5	17.05	32.580	23.67	0.97	2.05
10	17.03	32.580	23.67	1.34	1.36
20	17.05	32.580	23.67	1.52	1.49

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	2.11	3.51	0.00	0.08	1.71
5	1.40	1.84	0.07	0.04	0.19
10	1.51	2.79	0.00	0.07	0.59
20	1.41	1.67	0.00	0.06	0.41

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 3 ALBATROSS IV HYDROGRAPHY REPORT 20-AUG-82

NMFS STATION			MESSENGER		
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
15	253	18 AUG 77	11:15:00	41 34.0 N	67 50.0 W
SONIC			WIND	BAROMETRIC	
DEPTH			DIRECTION	SPEED	
48			060	4	
				12.5	

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN	
				CHLOROPHYLL	
0	17.53	33.010	23.88	1.90	1.43
10	16.52	-	-	-	-
20	16.48	-	-	-	-
35	16.43	-	-	-	-
50	16.42	-	-	-	-

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	1.58	2.23	0.09	0.07	1.58
10	-	-	-	-	-
20	-	-	-	-	-
35	-	-	-	-	-
50	-	-	-	-	-

- DATA NOT TAKEN

NMFS STATION		MESSENGER			
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
16	279	20 AUG 77	13:33:00	42 9.0 N	67 27.0 W
SONIC		WIND	WIND	BAROMETRIC	
DEPTH		DIRECTION	SPEED	PRESSURE	
170		080	2	15.2	

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN CHLOROPHYLL	
0	19.34	32.040	22.70	0.12	0.26
5	18.54	32.060	22.91	0.09	0.16
30	15.56	32.070	23.62	1.31	1.48
50	10.16	32.720	25.17	3.42	2.60
100	8.16	32.730	25.49	0.67	0.77
125	7.78	32.940	25.71	0.32	0.46
150	7.16	33.276	26.06	0.24	0.26
170	8.14	33.840	26.36	0.04	0.12

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	1.37	2.23	0.08	0.05	1.01
5	1.37	3.23	0.00	0.14	0.66
30	1.65	3.46	0.19	0.10	0.83
50	1.58	2.68	1.35	0.14	0.47
100	1.90	3.35	4.05	0.16	0.57
125	1.83	3.35	4.25	0.09	0.46
150	2.22	11.15	7.99	0.08	0.66
170	1.94	6.36	4.60	0.05	0.61

ATLANTIC COASTAL EXPERIMENT - 3 ALBATROSS IV HYDROGRAPHY REPORT 20-AUG-82

NMFS STATION			MESSENGER		
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
17	280	20 AUG 77	15:30:00	42 6.0 N	67 31.0 W
SONIC			WIND	BAROMETRIC	
DEPTH			SPEED	PRESSURE	
105			2	14.6	

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN	
				CHLOROPHYLL	
0	16.20	32.930	24.13	1.90	1.34
5	15.51	32.570	24.01	2.36	1.98
25	15.16	32.496	24.03	2.43	1.85
50	12.54	32.710	24.73	3.80	3.59
75	10.28	32.740	25.16	0.26	0.23
100	-	33.170	-	0.17	0.27

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	1.44	1.56	0.15	0.12	0.98
5	1.41	1.67	0.62	0.12	0.88
25	1.34	1.17	0.11	0.06	0.44
50	1.52	2.51	0.90	0.16	1.00
75	1.67	2.95	1.67	0.21	0.82
100	2.15	9.20	6.25	0.12	0.76

- DATA NOT TAKEN

NMFS STATION		MESSENGER			
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
18	281	20 AUG 77	17:15:00	42 1.0 N	67 29.0 W
SONIC		WIND	WIND	BAROMETRIC	
DEPTH		DIRECTION	SPEED	PRESSURE	
50		-99	-	14.9	

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN	
				CHLOROPHYLL	
0	17.44	32.710	23.68	1.00	1.17
5	15.65	32.440	23.88	0.85	0.94
10	15.50	32.480	23.94	2.13	1.88
20	15.20	32.550	24.06	2.13	1.79
30	14.86	32.520	24.11	1.98	1.85
50	-	32.660	-	2.43	1.85

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	1.37	1.56	0.37	0.11	1.01
5	1.37	1.67	0.38	0.10	0.88
10	1.43	1.56	0.36	0.12	0.92
20	1.51	1.67	0.41	0.12	1.48
30	1.65	2.23	0.82	0.14	3.44
50	1.60	1.90	0.84	0.12	2.72

- DATA NOT TAKEN

NMFS STATION			MESSENGER		
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
19	282	20 AUG 77	18:45:00	41 58.0 N	67 32.0 W
SONIC			WIND	BAROMETRIC	
DEPTH			DIRECTION	SPEED	
60			210	1	
				14.2	

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN	
				CHLOROPHYLL	
0	16.02	32.470	23.82	0.79	0.81
15	14.53	32.450	24.13	2.51	0.82
25	14.08	32.550	24.30	2.36	1.93
30	13.99	32.480	24.27	0.61	0.96
40	13.81	32.580	24.38	1.82	1.78

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	2.11	1.84	0.29	0.10	2.97
15	1.72	1.67	0.34	0.14	2.08
25	1.48	1.67	0.46	0.12	0.95
30	2.11	2.23	0.35	0.13	2.68
40	1.65	2.62	0.90	0.16	1.39

- DATA NOT TAKEN

NMFS STATION			MESSENGER		
STATION	LOCATION	DATE	TIME	LATITUDE	LONGITUDE
20	283	20 AUG 77	20:45:00	41 50.0 N	67 40.0 W
SONIC		WIND	WIND	BAROMETRIC	
DEPTH		DIRECTION	SPEED	PRESSURE	
53		010	5	14.9	

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC PHAEOPHYTIN	
				CHLOROPHYLL	
0	15.83	32.620	23.98	2.36	2.11
5	15.36	32.540	24.02	2.74	2.37
15	15.27	32.520	24.03	2.96	2.46
25	15.19	32.550	24.07	2.74	3.47
40	15.08	32.530	24.07	2.36	2.43

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	1.58	1.95	0.35	0.13	2.15
5	1.44	1.67	0.17	0.07	1.14
15	1.39	1.28	0.30	0.13	1.29
25	1.44	1.67	0.35	0.13	1.45
40	1.44	1.67	0.36	0.12	0.88

- DATA NOT TAKEN

APPENDIX

891/898

PHOTOSYNTHETIC CAPACITY

T A B L E O F U N I T S

STATION	LIGHT	DATE	TIME	LATITUDE	LONGITUDE	SONIC
	CURVE					DEPTH METERS
	TOTAL	SURFACE	EXTINCTION	TIME	TIME	
	RADIATION	TEMPERATURE	COEFFICIENT	IN	OUT	
	E/M ² /HR	CENTIGRADE		HRMIN	HRMIN	
LIGHT		CARBON 14	CHLOROPHYLL	CARBON 14	CHLOROPHYLL	
DEPTH	DEPTH	UPTAKE >20U	>20U	UPTAKE <20U	<20U	
%	METERS	UG/L/HR	UG/L	UG/L/HR	UG/L	

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
2	1	5 AUG 77	09:00:00	40 46.1 N	72 30.8 W 29

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	5.27	20	0.209	0945	1145

LIGHT DEPTH	DEPTH	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	0	0.633	0.28	3.940	1.07
60	0	0.313	0.28	1.627	1.07
40	0	0.205	0.28	1.626	1.07
16	0	0.021	0.28	-	1.07
9	0	0.093	0.28	0.191	1.07

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- DATA NOT TAKEN

LIGHT						SONIC
STATION	CURVE	DATE	TIME	LATITUDE	LONGITUDE	DEPTH
7	1	6 AUG 77	10:40:00	40 45.2 N	72 29.4 W	28
TOTAL		SURFACE	EXTINCTION	TIME	TIME	
RADIATION		TEMPERATURE	COEFFICIENT	IN	OUT	
6.23		20	0.219	1125	1525	

LIGHT		CARBON-14	FLUOROMETRIC
DEPTH	DEPTH	UPTAKE *	CHLOROPHYLL *
100	0	1.52	1.26
60	0	1.23	1.26
40	0	0.81	1.26
16	0	0.14	1.26
9	0	0.13	1.26

- DATA NOT TAKEN

* WHOLE VALUE; FRACTIONATIONS NOT DONE

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	LONGITUDE	SONIC DEPTH
7	2	6 AUG 77	10:40:00	40 45.2 N	72 29.4 W	28

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT	
	6.23	20	0.219	1125	1610	

LIGHT DEPTH	DEPTH	CARBON-14 UPTAKE *	FLUOROMETRIC CHLOROPHYLL *
100	21	20.39	5.42
60	21	22.35	5.42
40	21	16.53	5.42
16	21	9.57	5.42
9	21	4.46	5.42

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 - DATA NOT TAKEN
 * WHOLE VALUES

STATION	LIGHT	DATE	TIME	LATITUDE	LONGITUDE	SONIC
	CURVE					DEPTH
13	1	7 AUG 77	10:12:00	40 46.2 N	72 30.1 W	28

	TOTAL	SURFACE	EXTINCTION	TIME	TIME	
	RADIATION	TEMPERATURE	COEFFICIENT	IN	OUT	
	5.17	18	0.242	1115	1515	

LIGHT DEPTH	DEPTH	CARBON 14	CHLOROPHYLL	CARBON 14	CHLOROPHYLL
		UPTAKE >20U	>20U	UPTAKE <20U	<20U
100	0	0.321	0.18	2.450	1.05
60	0	0.280	0.18	2.453	1.05
30	0	0.190	0.18	1.696	1.05
15	0	0.085	0.18	0.681	1.05
5	0	0.037	0.18	0.202	1.05

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- DATA NOT TAKEN

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
13	2	7 AUG 77	10:12:00	40 46.2 N	72 29.9 W 28

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	5.17	18	0.242	1115	1600

LIGHT DEPTH	DEPTH	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	19	3.767	0.54	17.580	1.29
60	19	4.714	0.54	12.125	1.29
30	19	0.668	0.54	2.987	1.29
15	19	0.957	0.54	5.866	1.29
5	19	0.662	0.54	3.048	1.29

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- DATA NOT TAKEN

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	LONGITUDE	SONIC DEPTH
22	1	8 AUG 77	10:10:00	40 7.4 N	71 58.9 W	74

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT	
	5.02	22	0.124	1045	1530	

LIGHT DEPTH	DEPTH	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	0	0.022	0.09	0.549	0.40
60	0	0.021	0.09	0.361	0.40
30	0	0.007	0.09	0.205	0.40
15	0	0.022	0.09	0.068	0.40
5	0	0.001	0.09	0.030	0.40

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- DATA NOT TAKEN

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
22	2	8 AUG 77	10:10:00	40 7.4 N	71 58.9 W 74

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	5.02	22	0.124	1045	1630

LIGHT DEPTH	DEPTH#	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	32	5.381	0.67	1.590	0.57
60	32	2.475	0.67	1.471	0.57
30	32	0.923	0.67	0.493	0.57
15	32	0.817	0.67	0.584	0.57
5	32	0.175	0.67	0.222	0.57

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- DATA NOT TAKEN

2% LIGHT DEPTH

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
33	1	9 AUG 77	10:27:00	39 33.5 N	71 30.3 W 1870

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	5.09	25	0.102	1110	1755

LIGHT DEPTH	DEPTH	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	0	0.090	0.05	0.170	0.24
60	0	0.043	0.05	0.133	0.24
30	0	0.013	0.05	0.140	0.24
15	0	0.007	0.05	0.076	0.24
5	0	0.005	0.05	0.038	0.24

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- DATA NOT TAKEN

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
33	2	9 AUG 77	10:27:00	39 33.5 N	71 30.3 W 1870

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	5.09	25	0.102	1110	1850

LIGHT DEPTH	DEPTH\$	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	30	0.030	0.08	0.322	1.14
60	30	0.019	0.08	0.476	1.14
30	30	0.015	0.08	0.187	1.14
15	30	0.017	0.08	0.688	1.14
5	30	0.007	0.08	0.084	1.14

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- DATA NOT TAKEN

\$ 5% LIGHT DEPTH

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	LONGITUDE	SONIC DEPTH
34	I	10 AUG 77	11:00:00	40 9.4 N	72 1.0 W	66

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT	
	-	24	0.131	1145	1930	

LIGHT DEPTH	DEPTH	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	0	0.043	0.03	0.559	0.24
50	0	0.033	0.03	0.478	0.24
30	0	0.007	0.03	0.280	0.24
15	0	0.115	0.03	0.140	0.24
5	0	0.001	0.03	0.035	0.24

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- DATA NOT TAKEN

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	LONGITUDE	SONIC DEPTH
34	2	10 AUG 77	11:00:00	40 9.4 N	72 1.0 W	66

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT	
	-	24	0.131	1145	2015	

LIGHT DEPTH	DEPTH\$	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	26	3.626	1.10	0.961	2.08
60	26	2.587	1.10	0.741	2.08
30	26	0.815	1.10	0.435	2.08
15	26	0.692	1.10	0.504	2.08
5	26	0.487	1.10	0.229	2.08

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- DATA NOT TAKEN

\$ 5% LIGHT DEPTH

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LIGHT						SONIC
STATION	CURVE	DATE	TIME	LATITUDE	LONGITUDE	DEPTH
40	1	11 AUG 77	10:33:00	40 9.8 N	72 0.7 W	64

TOTAL		SURFACE	EXTINCTION	TIME	TIME	
RADIATION		TEMPERATURE	COEFFICIENT	IN	OUT	
-		24	0.135	1130	1915	

LIGHT		CARBON 14	CHLOROPHYLL	CARBON 14	CHLOROPHYLL
DEPTH	DEPTH	UPTAKE >20U	>20U	UPTAKE <20U	<20U
100	0	0.009	0.04	0.485	0.34
60	0	0.015	0.04	0.305	0.34
30	0	0.005	0.04	0.203	0.34
15	0	0.011	0.04	0.062	0.34
5	0	0.000	0.04	0.024	0.34

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- DATA NOT TAKEN

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
40	2	11 AUG 77	10:33:00	40 9.8 N	72 0.7 W 64

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	-	24	0.135	1130	2010

LIGHT		CARBON 14	CHLOROPHYLL	CARBON 14	CHLOROPHYLL
DEPTH	DEPTH	UPTAKE >20U	>20U	UPTAKE <20U	<20U
100	34	5.460	1.03	1.343	0.68
60	34	4.750	1.03	1.129	0.68
30	34	2.177	1.03	0.709	0.68
15	34	1.190	1.03	0.559	0.68
5	34	0.444	1.03	0.240	0.68

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- DATA NOT TAKEN

STATION	LIGHT CURVE*	DATE	TIME	LATITUDE	SONIC DEPTH
44	1	12 AUG 77	10:14:00	40 46.5 N	72 31.0 W

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	-	-	0.242	1100	1940

LIGHT DEPTH	DEPTH	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	0	2.015	0.24	5.533	0.73
60	0	1.266	0.24	5.859	0.73
30	0	1.241	0.24	3.607	0.73
15	0	0.701	0.24	3.644	0.73
5	0	0.253	0.24	1.581	0.73

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- DATA NOT TAKEN

* SUNLIGHT INCUBATION

STATION	LIGHT CURVE*	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
44	2	12 AUG 77	10:14:00	40 46.5 N	72 31.0 W 28

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	-	-	0.242	1100	2020

LIGHT DEPTH	DEPTH	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	19	3.602	2.97	3.421	3.20
60	19	6.826	2.97	10.072	3.20
30	19	5.683	2.97	10.079	3.20
15	19	3.980	2.97	10.511	3.20
5	19	4.280	2.97	5.981	3.20

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- DATA NOT TAKEN

* SUNLIGHT INCUBATION

	LIGHT					SONIC
STATION	CURVE	DATE	TIME	LATITUDE	LONGITUDE	DEPTH
45	1	14 AUG 77	09:54:00	39 41.9 N	73 34.4 W	37

	TOTAL	SURFACE	EXTINCTION	TIME	TIME	
	RADIATION	TEMPERATURE	COEFFICIENT	IN	OUT	
	-	24	0.200	1030	1925	

LIGHT		CARBON 14	CHLOROPHYLL	CARBON 14	CHLOROPHYLL
DEPTH	DEPTH	UPTAKE >20U	>20U	UPTAKE <20U	<20U
100	0	0.031	0.05	1.540	0.83
60	0	0.025	0.05	0.975	0.83
30	0	0.003	0.05	0.388	0.83
15	0	0.000	0.05	0.192	0.83
5	0	0.000	0.05	0.057	0.83

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- DATA NOT TAKEN

LIGHT						SONIC
STATION	CURVE	DATE	TIME	LATITUDE	LONGITUDE	DEPTH
45	2	14 AUG 77	09:54:00	39 41.9 N	73 34.4 W	37

TOTAL		SURFACE	EXTINCTION	TIME	TIME	
RADIATION		TEMPERATURE	COEFFICIENT	IN	OUT	
-		24	0.200	1030	2010	

LIGHT		CARBON 14	CHLOROPHYLL	CARBON 14	CHLOROPHYLL
DEPTH	DEPTH	UPTAKE >20U	>20U	UPTAKE <20U	<20U
100	23	0.097	0.23	1.497	1.11
60	23	0.112	0.23	1.274	1.11
30	23	0.044	0.23	0.602	1.11
15	23	0.025	0.23	0.422	1.11
5	23	0.010	0.23	0.163	1.11

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- DATA NOT TAKEN

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
52	1	15 AUG 77	09:55:00	39 46.4 N	73 45.8 W 24

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	-	24	0.230	1100	1930

LIGHT DEPTH	DEPTH	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	0	0.025	0.36	1.196	1.36
60	0	0.009	0.36	0.888	1.36
30	0	0.005	0.36	0.642	1.36
15	0	0.032	0.36	1.384	1.36
5	0	0.001	0.36	0.124	1.36

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- DATA NOT TAKEN

LIGHT						SONIC
STATION	CURVE	DATE	TIME	LATITUDE	LONGITUDE	DEPTH
52	2	15 AUG 77	09:55:00	39 46.4 N	73 45.8 W	24

TOTAL		SURFACE	EXTINCTION	TIME	TIME	
RADIATION		TEMPERATURE	COEFFICIENT	IN	OUT	
-		24	0.230	1100	2030	

LIGHT		CARBON 14	CHLOROPHYLL	CARBON 14	CHLOROPHYLL
DEPTH	DEPTH	UPTAKE >20U	>20U	UPTAKE <20U	<20U
100	20	0.172	0.34	6.597	2.69
60	20	0.145	0.34	3.855	2.69
30	20	0.043	0.34	2.230	2.69
15	20	0.000	0.34	0.324	2.69
5	20	0.000	0.34	0.740	2.69

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- DATA NOT TAKEN

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
58	1	16 AUG 77	10:20:00	39 46.6 N	73 46.6 W 24

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	-	24	0.256	1130	1945

LIGHT DEPTH	DEPTH	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	0	0.021	0.03	1.299	1.31
60	0	0.014	0.03	0.957	1.31
30	0	0.010	0.03	0.499	1.31
15	0	0.003	0.03	0.248	1.31
5	0	0.006	0.03	0.088	1.31

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- DATA NOT TAKEN

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
58	2	16 AUG 77	10:20:00	39 46.6 N	73 46.6 W 24

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	-	24	0.256	1130	2030

LIGHT DEPTH	DEPTH	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	22	0.180	0.11	4.373	1.56
60	22	0.113	0.11	2.589	1.56
30	22	0.057	0.11	1.417	1.56
15	22	0.036	0.11	0.783	1.56
5	22	0.013	0.11	0.386	1.56

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- DATA NOT TAKEN

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	LONGITUDE	SONIC DEPTH
67	1	19 AUG 77	07:05:00	40 29.3 N	73 47.4 W	23

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT	
	-	20	0.383	0845	1450	

LIGHT DEPTH	DEPTH	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	0	0.122	0.83	21.413	11.93
60	0	0.038	0.83	13.807	11.93
30	0	0.016	0.83	7.307	11.93
15	0	0.009	0.82	3.802	11.93
5	0	0.003	0.82	1.670	11.93

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- DATA NOT TAKEN

	LIGHT				SONIC
STATION	CURVE	DATE	TIME	LATITUDE	LONGITUDE
					DEPTH
67	2	19 AUG 77	07:05:00	40 29.3 N	73 47.4 W
					23

	TOTAL	SURFACE	EXTINCTION	TIME	TIME
	RADIATION	TEMPERATURE	COEFFICIENT	IN	OUT
	-	20	0.383	0845	1600

LIGHT		CARBON 14	CHLOROPHYLL	CARBON 14	CHLOROPHYLL
DEPTH	DEPTH	UPTAKE >20U	>20U	UPTAKE <20U	<20U
100	12	0.073	0.17	2.989	1.47
60	12	0.025	0.17	1.931	1.47
30	12	0.026	0.17	1.300	1.47
15	12	0.010	0.17	0.867	1.47
5	12	0.007	0.17	0.396	1.47

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- DATA NOT TAKEN

LIGHT						SONIC
STATION	CURVE	DATE	TIME	LATITUDE	LONGITUDE	DEPTH
73	1	20 AUG 77	07:21:00	40 30.2 N	73 46.2 W	22
TOTAL						
RADIATION						
-						
SURFACE						
TEMPERATURE						
20						
EXTINCTION						
COEFFICIENT						
0.511						
TIME						
IN						
0830						
TIME						
OUT						
1850						

LIGHT		CARBON 14		CHLOROPHYLL	
DEPTH	DEPTH	UPTAKE >20U	>20U	UPTAKE <20U	<20U
100	0	0.148	0.94	32.007	12.28
60	0	0.058	0.94	18.274	12.28
30	0	0.021	0.94	10.975	12.28
15	0	0.046	0.94	6.495	12.28
5	0	0.002	0.94	1.996	12.28

- DATA NOT TAKEN

LIGHT					
STATION	CURVE	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
73	2	20 AUG 77	07:21:00	40 30.2 N	73 46.2 W 22

TOTAL		SURFACE	EXTINCTION	TIME	TIME
RADIATION		TEMPERATURE	COEFFICIENT	IN	OUT
-		20	0.511	0830	1950

LIGHT		CARBON 14	CHLOROPHYLL	CARBON 14	CHLOROPHYLL
DEPTH	DEPTH	UPTAKE >20U	>20U	UPTAKE <20U	<20U
100	9	0.118	0.37	9.787	3.41
60	9	0.046	0.37	6.435	3.41
30	9	0.028	0.37	3.311	3.41
15	9	0.006	0.37	1.861	3.41
5	9	0.001	0.37	0.740	3.41

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- DATA NOT TAKEN

LIGHT						SONIC	
STATION	CURVE*	DATE	TIME	LATITUDE	LONGITUDE	DEPTH	
80	1	21 AUG 77	07:04:00	39 44.5 N	74 3.8 W	14	
TOTAL		SURFACE	EXTINCTION	TIME	TIME		
RADIATION		TEMPERATURE	COEFFICIENT	IN	OUT		
-		22	0.511	0830	1645		

LIGHT		CARBON 14	CHLOROPHYLL	CARBON 14	CHLOROPHYLL
DEPTH	DEPTH	UPTAKE >20U	>20U	UPTAKE <20U	<20U
100	0	0.046	0.64	5.484	5.10
60	0	0.072	0.64	10.638	5.10
30	0	0.088	0.64	11.271	5.10
15	0	0.073	0.64	12.061	5.10
5	0	0.039	0.64	10.625	5.10

- DATA NOT TAKEN

* SUNLIGHT INCUBATION

STATION	LIGHT CURVE*	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
80	2	21 AUG 77	07:04:00	39 44.5 N	74 3.8 W 14

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	-	22	0.511	0830	1810

LIGHT DEPTH	DEPTH&	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	12	0.202	0.33	42.904	5.37
60	12	0.332	0.33	55.133	5.37
30	12	0.247	0.33	44.630	5.37
15	12	0.169	0.33	36.030	5.37
5	12	0.143	0.33	31.110	5.37

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- DATA NOT TAKEN

* SUNLIGHT INCUBATION

& 0.4% LIGHT DEPTH

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	SONIC DEPTH
89	1	22 AUG 77	07:00:00	39 34.0 N	72 50.4 W

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	-	22	0.131	0830	1525

LIGHT DEPTH	DEPTH	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	0	0.011	0.07	0.454	0.27
60	0	0.009	0.07	0.460	0.27
30	0	0.007	0.07	0.410	0.27
15	0	0.003	0.07	0.216	0.27
5	0	0.000	0.07	0.076	0.27

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- DATA NOT TAKEN

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
89	2	22 AUG 77	07:00:00	39 34.0 N	72 50.4 W 61

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	-	22	0.131	0830	1610

LIGHT		CARBON 14	CHLOROPHYLL	CARBON 14	CHLOROPHYLL
DEPTH	DEPTH	UPTAKE >20U	>20U	UPTAKE <20U	<20U
100	35	0.137	0.18	0.827	0.45
60	35	0.085	0.18	0.480	0.45
30	35	0.055	0.18	0.281	0.45
15	35	0.044	0.18	0.381	0.45
5	35	0.023	0.18	0.221	0.45

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- DATA NOT TAKEN

LIGHT					
STATION	CURVE	DATE	TIME	LATITUDE	LONGITUDE
98	1	23 AUG 77	09:26:00	39 35.6 N	72 36.0 W

		TOTAL	SURFACE	EXTINCTION	TIME
		RADIATION	TEMPERATURE	COEFFICIENT	IN
		-	22	0.118	1030
					2045

LIGHT		CARBON 14		CHLOROPHYLL	
DEPTH	DEPTH	UPTAKE >20U	>20U	UPTAKE <20U	<20U
100	0	0.020	0.03	0.330	0.19
60	0	0.010	0.03	0.338	0.19
30	0	0.016	0.03	0.284	0.19
15	0	0.007	0.03	0.138	0.19
5	0	0.009	0.03	0.108	0.19

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- DATA NOT TAKEN

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
98	2	23 AUG 77	09:26:00	39 35.6 N	72 36.0 W 83

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	-	22	0.118	1030	2130

LIGHT DEPTH	DEPTH+	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	32	5.151	1.31	2.841	0.43
60	32	3.352	1.31	2.154	0.43
30	32	1.013	1.31	0.698	0.43
15	32	0.764	1.31	1.047	0.43
5	32	0.230	1.31	0.454	0.43

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- DATA NOT TAKEN

+ 2.6% LIGHT DEPTH

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
106	1	24 AUG 77	09:18:00	40 0.1 N	73 58.3 W 21

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	-	22	0.383	1010	2210

LIGHT DEPTH	DEPTH	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	0	0.256	0.41	9.489	6.40
60	0	0.152	0.41	9.620	6.40
30	0	0.065	0.41	6.123	6.40
15	0	0.063	0.41	4.026	6.40
5	0	0.022	0.41	2.383	6.40

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- DATA NOT TAKEN

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
106	2	24 AUG 77	09:18:00	40 0.1 N	73 58.3 W 21

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	-	22	0.383	1010	2210

LIGHT		CARBON 14	CHLOROPHYLL	CARBON 14	CHLOROPHYLL
DEPTH	DEPTH	UPTAKE >20U	>20U	UPTAKE <20U	<20U
100	12	0.078	0.17	5.466	3.87
60	12	0.070	0.17	5.758	3.87
30	12	0.070	0.17	10.113	3.87
15	12	0.018	0.17	2.892	3.87
5	12	0.008	0.17	1.637	3.87

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- DATA NOT TAKEN

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
119	1	26 AUG 77	07:05:00	39 59.8 N	73 57.8 W 21

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	-	21	0.418	0830	1950

LIGHT DEPTH	DEPTH	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	0	0.160	1.01	15.577	6.59
60	0	0.139	1.01	14.426	6.59
30	0	0.047	1.01	11.244	6.59
15	0	0.033	1.01	6.298	6.59
5	0	0.022	1.01	3.142	6.59

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- DATA NOT TAKEN

STATION	LIGHT					SONIC
	CURVE	DATE	TIME	LATITUDE	LONGITUDE	DEPTH
119	2	26 AUG 77	07:05:00	39 59.8 N	73 57.8 W	21

TOTAL		SURFACE	EXTINCTION	TIME	TIME	
RADIATION		TEMPERATURE	COEFFICIENT	IN	OUT	
-		21	0.418	0830	2045	

LIGHT	CARBON 14		CHLOROPHYLL	CARBON 14	CHLOROPHYLL
DEPTH	DEPTH	UPTAKE >20U	>20U	UPTAKE <20U	<20U
100	11	0.178	0.28	21.718	6.19
60	11	0.140	0.28	20.723	6.19
30	11	0.064	0.28	8.922	6.19
15	11	0.078	0.28	7.119	6.19
5	11	0.019	0.28	4.259	6.19

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- DATA NOT TAKEN

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
141	1	28 AUG 77	07:02:00	40 46.4 N	72 30.6 W 29

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	-	20	0.219	0830	2015

LIGHT DEPTH	DEPTH	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	0	2.981	0.36	4.973	1.62
60	0	1.537	0.36	4.004	1.62
30	0	1.383	0.36	2.066	1.62
15	0	0.690	0.36	1.053	1.62
5	0	0.185	0.36	0.453	1.62

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- DATA NOT TAKEN

STATION	LIGHT CURVE	DATE	TIME	LATITUDE	SONIC LONGITUDE DEPTH
141	2	28 AUG 77	07:02:00	40 46.4 N	72 30.6 W 29

	TOTAL RADIATION	SURFACE TEMPERATURE	EXTINCTION COEFFICIENT	TIME IN	TIME OUT
	-	20	0.219	0830	2045

LIGHT DEPTH	DEPTH	CARBON 14 UPTAKE >20U	CHLOROPHYLL >20U	CARBON 14 UPTAKE <20U	CHLOROPHYLL <20U
100	21	1.538	0.50	2.846	0.91
60	21	0.979	0.50	1.584	0.91
30	21	0.350	0.50	1.363	0.91
15	21	0.370	0.50	0.852	0.91
5	21	0.140	0.50	0.437	0.91

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- DATA NOT TAKEN

CTD DATA PROCESSING METHODS

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February 24, 1982

Mr. Carl VonBock
Building 318
Ocean Sciences Division
Brookhaven National Laboratory
Upton, New York 11973

Dear Carl:

As best as I can I will recall and report here on the instruments and methods used during the R/V KNORR cruise of August 4-17, 1977.

Data Collection and Processing Methods

A total of 56 successful continuous profiles were obtained using a Neil Brown Mark III CTD equipped with a dissolved oxygen sensor. The data were logged on audio tape and later transferred to nine-track tape using a Hewlett-Packard 2108 computer back at LDGO. Simultaneous discrete water samples were retrieved on the uptrace using a General Oceanics 12 bottle Rosette sampler equipped with 1.7 liter bottles. Real time graphic display of temperature and conductivity versus pressure was obtained on a Leeds and Northrup X-Y recorder.

Water Sample Data

The water samples were analyzed on board for salinity and dissolved oxygen and every other bottle was equipped with reversing thermometer frames containing 3 protected thermometers. The oxygen samples were titrated according to the Winkler method as modified by Carpenter (1965) and the salinity samples were processed on a Guildline Autosol laboratory salinometer.

CTD Data

The raw CTD data, after being transferred onto 9-track tape was first edited by flagging points falling outside a window width 1.5 times the standard deviation of the data computed in blocks. This procedure was meant to identify the obviously noisy points.

The raw, flagged data was then decimated to form a uniform pressure series at 0.2 decibar intervals. In doing this flagged points were ignored, and, for pressure and temperature, calibration constants applied. Salinity

was calculated from the decimated pressure, temperature and conductivity according to the procedure outlined by Fofonoff, et al. (1974).

The decimated data was then visually inspected in plot form to identify gaps and remaining erroneous data points. These errors were corrected by linear interpolation.

Calibration

The raw data was standardized against temperatures obtained from reversing thermometers and against Autosal-derived water sample salinities. In high gradient regions, especially near-surface values, the water sample-CTD comparisons could not be used, and since this cruise was during the summer, highly-stratified season very little standardization could be accomplished.

In general the pressure, temperature and conductivity sensors were observed to behave very well throughout the cruise and required very minor adjustment. This results from the fact that the sensors did provide steady accurate measurements and that the high gradients in temperature and salinity experienced made comparing of water sample-CTD values unreasonable.

The CTD oxygen sensor and resultant data was never well behaved and requires special processing. This is typical of any dissolved oxygen data collected with similar instrumentation and is beyond the scope of this report.

Sincerely,



Frank Aikman III

FA/atb

NOTES