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**ZOOPLANKTON DATA REPORT:
WINTER MIZEX, 1987**

**S.L. Smith, P.V.Z. Lane,
E.M. Schwarting, and B. Beck**

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December 1988

MASTER

DEPARTMENT OF APPLIED SCIENCE

**BROOKHAVEN NATIONAL LABORATORY
UPTON, LONG ISLAND, NEW YORK 11973**

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December 1988

**OCEANOGRAPHIC SCIENCES DIVISION
DEPARTMENT OF APPLIED SCIENCE
BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.**

MASTER

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INTRODUCTION

The Marginal Ice Zone Experiment (MIZEX) was an interdisciplinary, international Arctic research program designed to study the atmospheric, oceanic, and ice interactions in the Fram Strait region of the Greenland Sea. This report focuses on zooplankton data collected during the winter MIZEX program of 1987 (Fig. 1). The primary objectives of our group during MIZEX 87 were to study the distribution of zooplanktonic species in relation to the ice-edge, the Polar Front, and the mesoscale eddy field, and to study zooplanktonic physiology just prior to the spring phytoplankton bloom. The data in this report are quantitative analyses of zooplankton samples collected while aboard the research vessel HÅKON MOSBY during MIZEX 87. This is the third in a series of data reports on zooplankton collected in the Fram Strait region during the MIZEX project. A complete catalog of the reports generated from the MIZEX program is archived at the National Snow and Ice Data Center in Boulder, Colorado, U.S.A.

METHODS

The samples analyzed for this report were collected in obliquely hauled nets having a 1-meter diameter mouth and constructed of 118 μ m mesh nitex. A General Oceanics flowmeter was installed in the mouth of the net, slightly away from the center, to determine the distance travelled and volume filtered. A mechanical time-depth recorder (Benthos) was attached to the wire 1 meter below the wire clamp for the net so the maximum depth achieved during each haul could be accurately determined. The standard depth intervals sampled were approximately 200 meters to the surface and 100 meters to the surface. Deeper stratified hauls were occasionally done to depths near 500 or 1000 meters, using General Oceanics double trip

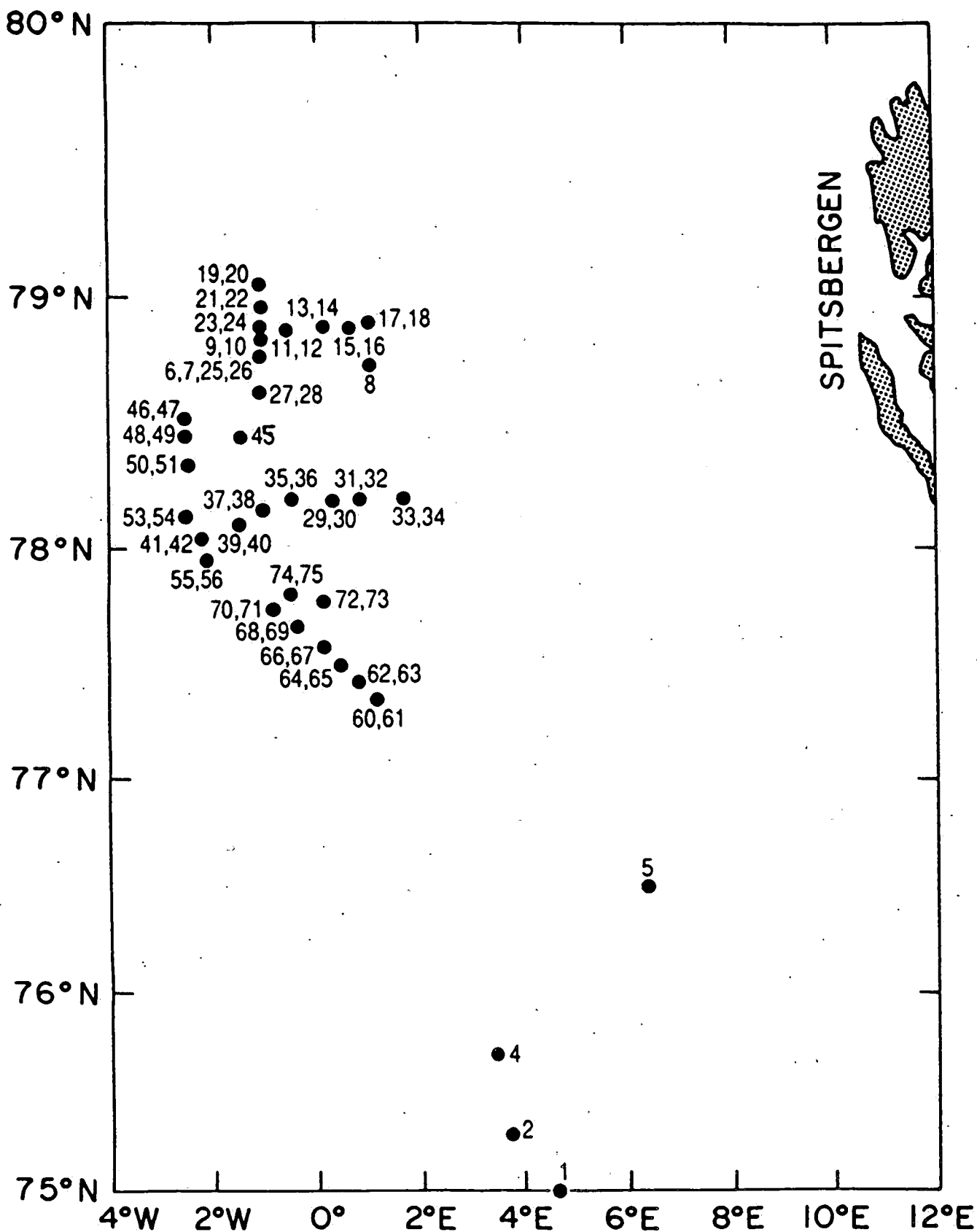


Figure 1. Positions and Haul Numbers of Zooplankton Collections in Fram Strait in March-April 1987.

mechanisms. The actual depths sampled during each haul fluctuated with wire angle variations attributable to weather conditions and ship speed. The length of wire out was determined based on a target wire angle of 45 degrees. Ship speed of 1.8 to 2 knots usually allowed us to tow with a wire angle of 45 ± 5 degrees. The rate of wire out during net deployments was 50 meters/minute to maximum depth, the wire was stopped for 30 seconds, and the rate up was 20 meters/minute. The contents of each cod end were preserved in a 5 percent buffered formaldehyde-seawater solution for later analysis in the laboratory.

Laboratory analysis involved splitting each sample several times in a Folsom splitter to obtain subsamples containing approximately 200-500 individuals. In general, three subsamples were counted for the taxonomic categories listed in Table 1. Whenever the first subsample contained more than 50 specimens, that taxon was not counted in subsequent subsamples. If the subsample being counted contained less than about 30 individuals of the most abundant stage of copepodid of Calanus finmarchicus, Calanus glacialis, or Calanus hyperboreus, then progressively larger subsamples were counted in order to obtain significant numbers of these important groups whenever they were present. The total number of subsamples counted never exceeded four. The size of the subsample varied depending on the composition and number of species present. For example, if the first subsample contained 400 organisms of which 300 were Oithona spp., then a larger subsample was used for subsequent counts in order to obtain more significant numbers of other species or groups. The 118 μ m net mesh used for sampling precludes quantitative estimates of certain categories listed in Table 1; these groups are noted by an asterisk following their listing in Table 1. These groups are

included in the report to illustrate their presence at some locations and as a rough indication of relative abundance from station to station. The most thoroughly analyzed species were the copepods Calanus hyperboreus, Calanus finmarchicus, and Calanus glacialis for which all life stages from copepodid I through adult were identified.

The taxonomic notations in the data report are as follows:

C1 = copepodid stage I of the species

C2 = copepodid stage II of the species

C3 = copepodid stage III of the species

C4 = copepodid stage IV of the species

C5 = copepodid stage V of the species

AF = adult females of the species

AM = adult males of the species

AFM = adult females and males combined

Species, genera, or categories which have no notation following their listing include all life history stages referable to that taxon. Note that this report differs from previous zooplankton data reports by our group in that it lists the number of individuals actually counted, and the abundance is listed as number per cubic meter, not number per 10 cubic meters. Any taxon which is represented in the sample by less than 0.1 animals per cubic meter will be listed as 0.0 in that column. Therefore, for some taxa of low abundance, their presence is indicated by 0.0 per cubic meter and their actual abundance is listed in the "number per sample" column. The actual number per cubic meter must be calculated by dividing the total number in the sample by the total volume filtered listed at the top of the page. Also, species are not ranked by abundance at each station which

should make it simpler to locate a given species of interest on any page. The column labeled "percent counted" refers to the percentage of the sample analyzed for a particular category and is determined by the number of times a sample is split.

The station numbers listed in this report refer to CTD stations. Unfortunately, the CTD station numbers do not correspond to station numbers listed in the chlorophyll data report (Smith, 1987) for this cruise. We have compiled Table 2 which identifies chlorophyll stations that were identical, or very nearly so, in location and time to CTD stations and net hauls. The haul number listed refers to the consecutive net haul number. The date and time listed for each haul refer to local ship's time and may be converted to GMT by subtracting one hour from local time prior to 29 March 1987 and two hours from local time after the 29th. The volume filtered is cubic meters. Data for the first twelve hauls must be used cautiously because the General Oceanics flowmeter malfunctioned. The volume filtered had to be estimated from a linear regression comparing the wire out for each good haul with the volume filtered during that haul. The calculation assumes that there is a linear relationship between wire out and volume filtered when the tow method for each haul is identical. The equation obtained from the linear regression is: $\text{volume filtered} = 2.9 (\text{wire out}) + 28$; $r^2 = 0.49$. Haul 3 did not use our standard procedure; therefore, the equation is not applicable to that haul, and it has been excluded from the report. Hauls subsequent to 12 used properly functioning General Oceanics flow meters.

ACKNOWLEDGMENTS

The funding for our participation in the MIZEX 87 project was provided by the Office of Naval Research (N00014-87-F-0024) and the Division of Polar Programs, National Science Foundation (DPP 8616325). The assistance of the captain and crew of the M/S HÅKON MOSBY is gratefully acknowledged, as is the assistance of D. Wilson and R. Brightmann with the field work.

Questions regarding this report or inquiries for further information should be directed to Dr. Sharon L. Smith, Oceanographic Sciences Division, Department of Applied Science, Brookhaven National Laboratory, Upton, NY, 11973. This work performed under the auspices under the U.S. DOE on Contract #DE-AC02-76CH00016.

LITERATURE CITED

Smith, W.O., Jr. 1987. Nutrient and particulate matter distributions in the Fram Strait during MIZEX-87. The University of Tennessee, Knoxville, TN, 34 pp.

Table 1. Categories of Zooplankton Analyzed. An * following the listing indicates that the organism was determined not to be captured quantitatively with 118 μ m mesh net.

<u>Calanus hyperboreus</u> :	adult female, adult male, copepodid V, copepodid IV, copepodid III, copepodid II, copepodid I
<u>Calanus glacialis</u> :	adult female, adult male, copepodid V, copepodid IV, copepodid III, copepodid II, copepodid I
<u>Calanus finmarchicus</u> :	adult female, adult male, copepodid V, copepodid IV, copepodid III, copepodid II, copepodid I
<u>Metridia longa</u> :	adult female, adult male, copepodid V, copepodid IV, copepodids III + II + I
<u>Pseudocalanus minutus</u> :	adult female, adult male, copepodid V, copepodid IV
<u>Pseudocalanus</u> spp.:	copepodids III + II + I
<u>Microcalanus</u> spp.:	adult
<u>Scolecithricella</u> sp.:	all stages combined
Other copepods, small (<2mm total length)	
Other copepods, large (>2mm total length)	
Calanoid copepodids, unidentified*	
<u>Oithona</u> spp.:	all stages combined*
<u>Oncaea</u> spp.:	all stages combined
Harpacticoid copepods, unidentified*	
Copepod nauplii*	
Euphausiid:	adult, ^a adolescent, ^a furcilia, calyptopis, nauplius
Chaetognaths, juvenile*	
<u>Eukrohnia hamata</u> :	adult
<u>Sagitta elegans</u> :	adult
Appendicularians*	
Amphipods	
Ostracods	
Gelatinous zooplankton	
Other zooplankton*	
Miscellaneous invertebrate larvae*	

^aEuphausiid adults and adolescents identified to species when possible.

Table 2. Net Haul Numbers and Corresponding Station Numbers

Net Haul No.	CTD Sta. No.	Chlorophyll Sta. No.
1	N.T.	N.T.
2	1	9
4	2	15
5	3	20
6	4	40
7	4	30
8	5	30A
9	6	32
10	6	32
11	7	33
12	7	33
13	8	34
14	8	34
15	9	35
16	9	35
17	10	36
18	10	36
19	11	37
20	11	37
21	12	38
22	12	38
23	13	39
24	13	39
25	14	40
26	14	40
27	15	41
28	15	41
29	16	53
30	16	53
31	17	54
32	17	54
33	18	55
34	18	55
35	20	57
36	20	57
37	21	58
38	21	58
39	22	59
40	22	59
41	23	60
42	23	60
45	24	61
46	25	62
47	25	62
48	26	63
49	26	63
50	27	64

Table 2 (continued)

Net Haul No.	CTD Sta. No.	Chlorophyll Sta. No.
51	27	64
53	29	66
54	29	66
55	31	68
56	31	68
60	63	114
61	63	114
62	64	115
63	64	115
64	65	116
65	65	116
66	66	117
67	66	117
68	67	118
69	67	118
70	68	119
71	68	119
72	70	121
73	70	121
74	70	121
75	70	121

N.T. - Data Not Taken

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Cruise: MIZEX 87 Haul #: 001
 Ship: HAKON MOSBY Net type: 1 m
 Station: N.T. Net mesh: 118 um
 Date: 3-24-87 Haul depth: 75-0 m
 Time: 2100
 Latitude: 75 0.1 N Volume
 Longitude: 04 26.04 E filtered: 463.7

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	3	16.61	18	0.0
Calanus hyperboreus AM	0	16.61	0	0.0
Calanus hyperboreus C5	0	16.61	0	0.0
Calanus hyperboreus C4	0	16.61	0	0.0
Calanus hyperboreus C3	1	16.61	6	0.0
Calanus hyperboreus C2	0	16.61	0	0.0
Calanus hyperboreus C1	0	16.61	0	0.0
Calanus finmarchicus AF	21	16.61	126	0.3
Calanus finmarchicus AM	1	16.61	6	0.0
Calanus finmarchicus C5	10	16.61	60	0.1
Calanus finmarchicus C4	9	16.61	54	0.1
Calanus finmarchicus C3	0	16.61	0	0.0
Calanus finmarchicus C2	0	16.61	0	0.0
Calanus finmarchicus C1	0	16.61	0	0.0
Calanus glacialis AF	77	16.61	463	1.0
Calanus glacialis AM	0	16.61	0	0.0
Calanus glacialis C5	6	16.61	36	0.1
Calanus glacialis C4	10	16.61	60	0.1
Calanus glacialis C3	3	16.61	18	0.0
Calanus glacialis C2	0	16.61	0	0.0
Calanus glacialis C1	0	16.61	0	0.0
Metridia longa AF	3	16.61	18	0.0
Metridia longa AM	0	16.61	0	0.0
Metridia longa C5	0	16.61	0	0.0
Metridia longa C4	0	16.61	0	0.0
Metridia longa C3, C2, C1	0	16.61	0	0.0
Pseudocalanus minutus AF	206	16.61	1240	2.7
Pseudocalanus minutus AM	21	16.61	126	0.3
Pseudocalanus minutus C5	64	4.11	1556	3.4
Pseudocalanus minutus C4	72	16.61	433	0.9
Pseudocalanus spp. C3, C2, C1	20	16.61	120	0.3
Scolecithricella sp. all	0	16.61	0	0.0
Other large copepods (> 2mm)	0	16.61	0	0.0
Other small copepods (< 2mm)	5	16.61	30	0.1
Copepod nauplii	43	0.01	352459	760.1
Unid. calanoid copepodids	59	0.99	5967	12.9
Microcalanus spp. AFM	48	0.99	4855	10.5
Oithona spp. all	82	0.01	672131	1449.5
Oncaea spp. all	2	16.61	12	0.0
Harpacticoids all	34	16.61	205	0.4
Appendicularians	44	0.99	4450	9.6
Amphipods	45	4.11	1094	2.4
Ostracods	0	16.61	0	0.0
Gelatinous zooplankton	1	16.61	6	0.0
Misc. Invert. larvae	0	16.61	0	0.0
Other zooplankton	10	16.61	60	0.1
Euphausiid adults	10	16.61	60	0.1
Euphausiid adolescents	1	16.61	6	0.0
Euphausiid furcillae	34	16.61	205	0.4
Euphausiid calyptopes	0	16.61	0	0.0
Euphausiid nauplii	0	16.61	0	0.0
Chaetognaths, juvenile	0	16.61	0	0.0
Eukrohnia hamata, adults	0	16.61	0	0.0
Sagitta elegans, adults	0	16.61	0	0.0

NOTES:

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Cruise: MIZEX 87 Net haul: 002
 Ship: HAKON MOSBY Net type: 1 m
 Station: 001 Net mesh: 118 um
 Date: 3-25-87 Haul depth: 172-0 m
 Time: 1750
 Latitude: 75 21.1 N Volume
 Longitude: 03 32.8 E filtered: 852.2

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M^3
Calanus hyperboreus AF	14	8.47	195	0.2
Calanus hyperboreus AM	0	8.47	0	0.0
Calanus hyperboreus C5	0	8.47	0	0.0
Calanus hyperboreus C4	0	8.47	0	0.0
Calanus hyperboreus C3	0	8.47	0	0.0
Calanus hyperboreus C2	0	8.47	0	0.0
Calanus hyperboreus C1	0	8.47	0	0.0
Calanus finmarchicus AF	44	8.47	535	0.6
Calanus finmarchicus AM	10	8.47	118	0.1
Calanus finmarchicus C5	64	8.47	816	1.0
Calanus finmarchicus C4	25	8.47	295	0.3
Calanus finmarchicus C3	1	8.47	12	0.0
Calanus finmarchicus C2	0	8.47	0	0.0
Calanus finmarchicus C1	0	8.47	0	0.0
Calanus glacialis AF	41	8.47	544	0.6
Calanus glacialis AM	1	8.47	12	0.0
Calanus glacialis C5	0	8.47	0	0.0
Calanus glacialis C4	5	8.47	59	0.1
Calanus glacialis C3	1	8.47	12	0.0
Calanus glacialis C2	0	8.47	0	0.0
Calanus glacialis C1	0	8.47	0	0.0
Metridia longa AF	0	8.47	0	0.0
Metridia longa AM	0	8.47	0	0.0
Metridia longa C5	0	8.47	0	0.0
Metridia longa C4	1	8.47	12	0.0
Metridia longa C3, C2, C1	0	8.47	0	0.0
Pseudocalanus minutus AF	102	2.22	4604	5.4
Pseudocalanus minutus AM	5	8.47	59	0.1
Pseudocalanus minutus C5	49	2.22	2212	2.6
Pseudocalanus minutus C4	26	8.47	307	0.4
Pseudocalanus spp. C3, C2, C1	5	8.47	59	0.1
Scolecithricella sp. all	10	8.47	118	0.1
Other large copepods (> 2mm)	3	8.47	35	0.0
Other small copepods (< 2mm)	0	8.47	0	0.0
Copepod nauplii	71	0.02	387978	455.3
Unid. calanoid copepodids	54	0.65	8270	9.7
Microcalanus spp. AFM	84	2.22	3791	4.4
Oithona spp. all	71	0.01	1163934	1365.8
Oncaea spp. all	1	8.47	12	0.0
Harpacticoids all	8	8.47	95	0.1
Appendicularians	76	2.22	3430	4.0
Amphipods	76	2.22	3430	4.0
Ostracods	0	8.47	0	0.0
Gelatinous zooplankton	0	8.47	0	0.0
Misc. Invert. larvae	0	8.47	0	0.0
Other zooplankton	5	8.47	59	0.1
Euphausiid adults	0	8.47	0	0.0
Euphausiid adolescents	0	8.47	0	0.0
Euphausiid furcillae	1	8.47	12	0.0
Euphausiid calyptopes	0	8.47	0	0.0
Euphausiid nauplii	0	8.47	0	0.0
Chaetognaths, juvenile	0	8.47	0	0.0
Eukrohnia hamata, adults	0	8.47	0	0.0
Sagitta elegans, adults	0	8.47	0	0.0

NOTES:

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Cruise: MIZEX 87 Net haul: 004
 Ship: HAKON MOSBY Net type: 1 m
 Station: 002 Net mesh: 118 um
 Date: 3-26-87 Haul depth: 180-0 m
 Time: 1040
 Latitude: 75 40.8 N Volume
 Longitude: 03 14.3 E filtered: 852.2

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	46.58	2	0.0
Calanus hyperboreus AM	0	46.58	0	0.0
Calanus hyperboreus C5	0	46.58	0	0.0
Calanus hyperboreus C4	1	46.58	2	0.0
Calanus hyperboreus C3	0	46.58	0	0.0
Calanus hyperboreus C2	0	46.58	0	0.0
Calanus hyperboreus C1	0	46.58	0	0.0
Calanus finmarchicus AF	68	21.58	315	0.4
Calanus finmarchicus AM	0	46.58	0	0.0
Calanus finmarchicus C5	22	46.58	47	0.1
Calanus finmarchicus C4	23	46.58	49	0.1
Calanus finmarchicus C3	5	46.58	11	0.0
Calanus finmarchicus C2	0	46.58	0	0.0
Calanus finmarchicus C1	0	46.58	0	0.0
Calanus glacialis AF	19	46.58	131	0.2
Calanus glacialis AM	0	46.58	0	0.0
Calanus glacialis C5	0	46.58	13	0.0
Calanus glacialis C4	14	46.58	30	0.0
Calanus glacialis C3	0	46.58	0	0.0
Calanus glacialis C2	0	46.58	0	0.0
Calanus glacialis C1	0	46.58	0	0.0
Metridia longa AF	0	46.58	0	0.0
Metridia longa AM	0	46.58	0	0.0
Metridia longa C5	0	46.58	0	0.0
Metridia longa C4	0	46.58	0	0.0
Metridia longa C3, C2, C1	0	46.58	0	0.0
Pseudocalanus minutus AF	76	1.27	5987	7.0
Pseudocalanus minutus AM	1	46.58	2	0.0
Pseudocalanus minutus C5	44	2.83	1554	1.8
Pseudocalanus minutus C4	40	46.58	86	0.1
Pseudocalanus spp. C3, C2, C1	1	46.58	2	0.0
Scolecithricella sp. all	0	46.58	0	0.0
Other large copepods (> 2mm)	2	46.58	4	0.0
Other small copepods (< 2mm)	0	46.58	0	0.0
Copepod nauplii	44	0.49	9011	10.6
Unid. calanoid copepodids	60	46.58	129	0.2
Microcalanus spp. AFM	31	46.58	67	0.1
Oithona spp. all	103	0.10	105425	123.7
Oncaea spp. all	3	46.58	6	0.0
Harpacticoids all	8	46.58	17	0.0
Appendicularians	3	46.58	6	0.0
Amphipods	10	46.58	21	0.0
Ostracods	0	46.58	0	0.0
Gelatinous zooplankton	0	46.58	0	0.0
Misc. Invert. larvae	0	46.58	0	0.0
Other zooplankton	6	46.58	13	0.0
Euphausiid adults	0	46.58	0	0.0
Euphausiid adolescents	0	46.58	0	0.0
Euphausiid furcillae	7	46.58	15	0.0
Euphausiid calyptopes	0	46.58	0	0.0
Euphausiid nauplii	0	46.58	0	0.0
Chaetognaths, juvenile	0	46.58	0	0.0
Eukrohnia hamata, adults	0	46.58	0	0.0
Sagitta elegans, adults	0	46.58	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Net haul: 005
 Ship: HAKON MOSBY Net type: 1 m
 Station: 003 Net mesh: 118 um
 Date: 3-27-87 Haul depth: 122-0 m
 Time: 0205
 Latitude: 76 31.2 N Volume
 Longitude: 06 02.0 E filtered: 974.3

Taxonomic Category	Number Counted	Percent Counted	No. in Sample	No./M ³
Calanus hyperboreus AF	0	12.18	0	0.0
Calanus hyperboreus AM	0	12.18	0	0.0
Calanus hyperboreus C5	0	12.18	0	0.0
Calanus hyperboreus C4	0	12.18	0	0.0
Calanus hyperboreus C3	0	12.18	0	0.0
Calanus hyperboreus C2	0	12.18	0	0.0
Calanus hyperboreus C1	0	12.18	0	0.0
Calanus finmarchicus AF	41	12.18	377	0.4
Calanus finmarchicus AM	4	12.18	33	0.0
Calanus finmarchicus C5	53	12.18	442	0.5
Calanus finmarchicus C4	28	12.18	230	0.2
Calanus finmarchicus C3	3	12.18	25	0.0
Calanus finmarchicus C2	0	12.18	0	0.0
Calanus finmarchicus C1	0	12.18	0	0.0
Calanus glacialis AF	10	12.18	82	0.1
Calanus glacialis AM	13	12.18	107	0.1
Calanus glacialis C5	0	12.18	0	0.0
Calanus glacialis C4	5	12.18	41	0.0
Calanus glacialis C3	0	12.18	0	0.0
Calanus glacialis C2	0	12.18	0	0.0
Calanus glacialis C1	0	12.18	0	0.0
Metridia longa AF	66	12.18	542	0.6
Metridia longa AM	0	12.18	0	0.0
Metridia longa C5	0	12.18	0	0.0
Metridia longa C4	0	12.18	0	0.0
Metridia longa C3, C2, C1	0	12.18	0	0.0
Pseudocalanus minutus AF	90	12.18	739	0.8
Pseudocalanus minutus AM	0	12.18	0	0.0
Pseudocalanus minutus C5	24	12.18	197	0.2
Pseudocalanus minutus C4	5	12.18	41	0.0
Pseudocalanus spp. C3, C2, C1	5	12.18	41	0.0
Scolecithricella sp. all	1	12.18	8	0.0
Other large copepods (> 2mm)	0	12.18	0	0.0
Other small copepods (< 2mm)	1	12.18	8	0.0
Copepod nauplii	52	0.07	71038	72.9
Unid. calanoid copepodids	50	1.25	4016	4.1
Microcalanus spp. AFM	16	12.18	131	0.1
Oncaea spp. all	106	0.02	434426	445.9
Haracticoids all	2	12.18	16	0.0
Appendicularians	9	12.18	74	0.1
Amphipods	5	12.18	41	0.0
Ostracods	9	12.18	74	0.1
Gelatinous zooplankton	2	12.18	16	0.0
Misc. Invert. larvae	0	12.18	0	0.0
Other zooplankton	0	12.18	0	0.0
Euphausiid adults	5	12.18	41	0.0
Euphausiid adolescents	10	12.18	82	0.1
Euphausiid furcillae	0	12.18	0	0.0
Euphausiid calyptopes	22	12.18	181	0.2
Euphausiid nauplii	0	12.18	0	0.0
Chaetognaths, juvenile	0	12.18	0	0.0
Eukrohnia hamata, adults	10	12.18	82	0.1
Sagitta elegans, adults	0	12.18	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 006
 Ship: HAKON MOSBY Net type: 1 m
 Station: 004 Net mesh: 118 um
 Date: 3-28-87 Haul depth: 156-0 m
 Time: 1920
 Latitude: 78 42.3 N Volume
 Longitude: 0 54.0 W filtered: 858.2

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	12.24	0	0.0
Calanus hyperboreus AM	0	12.24	0	0.0
Calanus hyperboreus C5	0	12.24	0	0.0
Calanus hyperboreus C4	0	12.24	0	0.0
Calanus hyperboreus C3	0	12.24	0	0.0
Calanus hyperboreus C2	0	12.24	0	0.0
Calanus hyperboreus C1	0	12.24	0	0.0
Calanus finmarchicus AF	16	12.24	131	0.2
Calanus finmarchicus AM	12	12.24	98	0.1
Calanus finmarchicus C5	48	5.99	801	0.9
Calanus finmarchicus C4	46	12.24	376	0.4
Calanus finmarchicus C3	0	12.24	0	0.0
Calanus finmarchicus C2	0	12.24	0	0.0
Calanus finmarchicus C1	0	12.24	0	0.0
Calanus glacialis AF	86	12.24	702	0.8
Calanus glacialis AM	1	12.24	8	0.0
Calanus glacialis C5	0	12.24	0	0.0
Calanus glacialis C4	5	12.24	41	0.0
Calanus glacialis C3	1	12.24	8	0.0
Calanus glacialis C2	0	12.24	0	0.0
Calanus glacialis C1	0	12.24	0	0.0
Metridia longa AF	26	12.24	212	0.2
Metridia longa AM	0	12.24	0	0.0
Metridia longa C5	1	12.24	8	0.0
Metridia longa C4	0	12.24	0	0.0
Metridia longa C3, C2, C1	2	12.24	16	0.0
Pseudocalanus minutus AF	36	12.24	294	0.3
Pseudocalanus minutus AM	0	12.24	0	0.0
Pseudocalanus minutus C5	31	12.24	253	0.3
Pseudocalanus minutus C4	67	12.24	547	0.6
Pseudocalanus spp. C3, C2, C1	29	12.24	237	0.3
Scolecithricella sp. all	3	12.24	25	0.0
Other large copepods (> 2mm)	1	12.24	8	0.0
Other small copepods (< 2mm)	0	12.24	0	0.0
Copepod nauplii	76	0.01	622951	725.9
Unid. calanoid copepodids	43	1.31	3292	3.8
Microcalanus spp. AFM	23	12.24	188	0.2
Oithona spp. all	56	0.01	459016	534.9
Oncaea spp. all	6	12.24	49	0.1
Harpacticoids all	7	12.24	57	0.1
Appendicularians	43	1.31	3292	3.8
Amphipods	44	12.24	359	0.4
Ostracods	3	12.24	25	0.0
Gelatinous zooplankton	0	12.24	0	0.0
Misc. Invert. larvae	0	12.24	0	0.0
Other zooplankton	12	12.24	98	0.1
Euphausiid adults	5	12.24	41	0.0
Euphausiid adolescents	2	12.24	16	0.0
Euphausiid furcillae	12	12.24	98	0.1
Euphausiid calyptopes	0	12.24	0	0.0
Euphausiid nauplii	0	12.24	0	0.0
Chaetognaths, juvenile	10	12.24	82	0.1
Eukrohnia hamata, adults	0	12.24	0	0.0
Sagitta elegans, adults	0	12.24	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 007
 Ship: HAKON MOSBY Net type: 1 m
 Station: 004 Net mesh: 118 um
 Date: 3-28-87 Haul depth: 98-0 m
 Time: 1945
 Latitude: 78 41.6 N Volume
 Longitude: 0 54.8 W filtered: 463.6

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	24.27	0	0.0
Calanus hyperboreus AM	0	24.27	0	0.0
Calanus hyperboreus C5	0	24.27	0	0.0
Calanus hyperboreus C4	0	24.27	0	0.0
Calanus hyperboreus C3	0	24.27	0	0.0
Calanus hyperboreus C2	0	24.27	0	0.0
Calanus hyperboreus C1	0	24.27	0	0.0
Calanus finmarchicus AF	40	24.27	195	0.4
Calanus finmarchicus AM	3	24.27	12	0.0
Calanus finmarchicus C5	30	24.27	124	0.3
Calanus finmarchicus C4	10	24.27	41	0.1
Calanus finmarchicus C3	0	24.27	0	0.0
Calanus finmarchicus C2	0	24.27	0	0.0
Calanus finmarchicus C1	0	24.27	0	0.0
Calanus glacialis AF	90	11.77	870	1.9
Calanus glacialis AM	2	24.27	8	0.0
Calanus glacialis C5	1	24.27	19	0.0
Calanus glacialis C4	4	24.27	16	0.0
Calanus glacialis C3	0	24.27	0	0.0
Calanus glacialis C2	0	24.27	0	0.0
Calanus glacialis C1	0	24.27	0	0.0
Metridia longa AF	0	24.27	0	0.0
Metridia longa AM	0	24.27	0	0.0
Metridia longa C5	0	24.27	0	0.0
Metridia longa C4	0	24.27	0	0.0
Metridia longa C3, C2, C1	0	24.27	0	0.0
Pseudocalanus minutus AF	31	24.27	128	0.3
Pseudocalanus minutus AM	1	24.27	4	0.0
Pseudocalanus minutus C5	27	24.27	111	0.2
Pseudocalanus minutus C4	74	24.27	305	0.7
Pseudocalanus spp. C3, C2, C1	22	24.27	91	0.2
Scolecithricella sp. all	1	24.27	4	0.0
Other large copepods (> 2mm)	0	24.27	0	0.0
Other small copepods (< 2mm)	0	24.27	0	0.0
Copepod nauplii	54	0.05	110656	238.7
Unid. calanoid copepodids	8	24.27	33	0.1
Microcalanus spp. AFM	0	24.27	0	0.0
Olithona spp. all	52	0.05	106557	229.8
Oncaea spp. all	1	24.27	4	0.0
Harpacticoids all	1	24.27	4	0.0
Appendicularians	28	24.27	115	0.2
Amphipods	55	5.52	997	2.2
Ostracods	0	24.27	0	0.0
Gelatinous zooplankton	2	24.27	8	0.0
Misc. Invert. larvae	0	24.27	0	0.0
Other zooplankton	24	24.27	99	0.2
Euphausiid adults	4	24.27	16	0.0
Euphausiid adolescents	0	24.27	0	0.0
Euphausiid furcillae	12	24.27	49	0.1
Euphausiid calyptopes	0	24.27	0	0.0
Euphausiid nauplii	0	24.27	0	0.0
Chaetognaths, juvenile	5	24.27	21	0.0
Eukrohnia hamata, adults	0	24.27	0	0.0
Sagitta elegans, adults	0	24.27	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 008
 Ship: HAKON MOSBY Net type: 1 m
 Station: 005 Net mesh: 118 um
 Date: 3-28-87 Haul depth: 120-0 m
 Time: 2310
 Latitude: 78 41.0 N Volume
 Longitude: 0 58.0 E filtered: 1043.9

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M^3
Calanus hyperboreus AF	0	5.88	0	0.0
Calanus hyperboreus AM	0	5.88	0	0.0
Calanus hyperboreus C5	0	5.88	0	0.0
Calanus hyperboreus C4	0	5.88	0	0.0
Calanus hyperboreus C3	0	5.88	0	0.0
Calanus hyperboreus C2	0	5.88	0	0.0
Calanus hyperboreus C1	0	5.88	0	0.0
Calanus finmarchicus AF	33	5.88	561	0.5
Calanus finmarchicus AM	3	5.88	51	0.0
Calanus finmarchicus C5	76	5.88	1292	1.2
Calanus finmarchicus C4	53	5.88	901	0.9
Calanus finmarchicus C3	1	5.88	17	0.0
Calanus finmarchicus C2	0	5.88	0	0.0
Calanus finmarchicus C1	0	5.88	0	0.0
Calanus glacialis AF	25	5.88	425	0.4
Calanus glacialis AM	5	5.88	85	0.1
Calanus glacialis C5	6	5.88	102	0.1
Calanus glacialis C4	15	5.88	255	0.2
Calanus glacialis C3	2	5.88	34	0.0
Calanus glacialis C2	0	5.88	0	0.0
Calanus glacialis C1	0	5.88	0	0.0
Metridia longa AF	56	1.20	4681	4.5
Metridia longa AM	0	5.88	0	0.0
Metridia longa C5	2	5.88	34	0.0
Metridia longa C4	0	5.88	0	0.0
Metridia longa C3, C2, C1	0	5.88	0	0.0
Pseudocalanus minutus AF	37	5.88	629	0.6
Pseudocalanus minutus AM	0	5.88	0	0.0
Pseudocalanus minutus C5	19	5.88	323	0.3
Pseudocalanus minutus C4	24	5.88	408	0.4
Pseudocalanus spp. C3, C2, C1	14	5.88	238	0.2
Scolecithricella sp. all	3	5.88	51	0.0
Other large copepods (> 2mm)	7	5.88	119	0.1
Other small copepods (< 2mm)	0	5.88	0	0.0
Copepod nauplii	118	0.02	483607	463.3
Unid. calanoid copepodids	13	5.88	221	0.2
Microcalanus spp. AFM	0	5.88	0	0.0
Oithona spp. all	72	0.02	295082	282.7
Oncaea spp. all	6	5.88	102	0.1
Harpacticoids all	4	5.88	68	0.1
Appendicularians	1	5.88	17	0.0
Amphipods	22	5.88	374	0.4
Ostracods	14	5.88	238	0.2
Gelatinous zooplankton	0	5.88	0	0.0
Misc. Invert. larvae	0	5.88	0	0.0
Other zooplankton	11	5.88	187	0.2
Euphausiid adults	9	5.88	153	0.1
Euphausiid adolescents	3	5.88	51	0.0
Euphausiid furcillae	11	5.88	187	0.2
Euphausiid calyptopes	0	5.88	0	0.0
Euphausiid nauplii	0	5.88	0	0.0
Chaetognaths, juvenile	8	5.88	136	0.1
Eukrohnia hamata, adults	1	5.88	17	0.0
Sagitta elegans, adults	1	5.88	17	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 009
 Ship: HAKON MOSBY Net type: 1 m
 Station: 006 Net mesh: 118 um
 Date: 3-29-87 Haul depth: 111-0 m
 Time: 0650
 Latitude: 78 50.3 N Volume
 Longitude: 0 57.4 W filtered: 971.4

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M^3
Calanus hyperboreus AF	0	21.90	0	0.0
Calanus hyperboreus AM	0	21.90	0	0.0
Calanus hyperboreus C5	0	21.90	0	0.0
Calanus hyperboreus C4	0	21.90	0	0.0
Calanus hyperboreus C3	0	21.90	0	0.0
Calanus hyperboreus C2	0	21.90	0	0.0
Calanus hyperboreus C1	0	21.90	0	0.0
Calanus finmarchicus AF	25	21.90	114	0.1
Calanus finmarchicus AM	0	21.90	0	0.0
Calanus finmarchicus C5	70	21.90	320	0.3
Calanus finmarchicus C4	80	21.90	365	0.4
Calanus finmarchicus C3	6	21.90	27	0.0
Calanus finmarchicus C2	0	21.90	0	0.0
Calanus finmarchicus C1	0	21.90	0	0.0
Calanus glacialis AF	46	21.90	210	0.2
Calanus glacialis AM	0	21.90	0	0.0
Calanus glacialis C5	0	21.90	0	0.0
Calanus glacialis C4	2	21.90	9	0.0
Calanus glacialis C3	1	21.90	5	0.0
Calanus glacialis C2	0	21.90	0	0.0
Calanus glacialis C1	0	21.90	0	0.0
Metridia longa AF	0	21.90	0	0.0
Metridia longa AM	0	21.90	0	0.0
Metridia longa C5	0	21.90	0	0.0
Metridia longa C4	0	21.90	0	0.0
Metridia longa C3, C2, C1	0	21.90	0	0.0
Pseudocalanus minutus AF	54	9.40	575	0.6
Pseudocalanus minutus AM	0	21.90	0	0.0
Pseudocalanus minutus C5	17	21.90	78	0.1
Pseudocalanus minutus C4	20	21.90	91	0.1
Pseudocalanus spp. C3, C2, C1	13	21.90	59	0.1
Scolecithricella sp. all	0	21.90	0	0.0
Other large copepods (> 2mm)	0	21.90	0	0.0
Other small copepods (< 2mm)	0	21.90	0	0.0
Copepod nauplii	51	0.02	209016	215.2
Unid. calanoid copepodids	50	21.90	228	0.2
Microcalanus spp. AFM	3	21.90	14	0.0
Oithona spp. all	80	0.02	327869	337.5
Oncaea spp. all	33	21.90	151	0.2
Harpacticoids all	23	21.90	105	0.1
Appendicularians	6	21.90	27	0.0
Amphipods	26	21.90	119	0.1
Ostracods	1	21.90	5	0.0
Gelatinous zooplankton	1	21.90	5	0.0
Misc. Invert. larvae	0	21.90	0	0.0
Other zooplankton	10	21.90	46	0.0
Euphausiid adults	5	21.90	23	0.0
Euphausiid adolescents	6	21.90	27	0.0
Euphausiid furcillae	0	21.90	0	0.0
Euphausiid calyptopes	0	21.90	0	0.0
Euphausiid nauplii	0	21.90	0	0.0
Chaetognaths, juvenile	14	21.90	64	0.1
Eukrohnia hamata, adults	0	21.90	0	0.0
Sagitta elegans, adults	0	21.90	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 010
 Ship: HAKON MOSBY Net type: 1 m
 Station: 006 Net mesh: 118 um
 Date: 3-29-87 Haul depth: 63-0 m
 Time: 0713
 Latitude: 78 50.4 N Volume
 Longitude: 0 56.6 W filtered: 463.6

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	42.24	0	0.0
Calanus hyperboreus AM	0	42.24	0	0.0
Calanus hyperboreus C5	0	42.24	0	0.0
Calanus hyperboreus C4	1	42.24	2	0.0
Calanus hyperboreus C3	0	42.24	0	0.0
Calanus hyperboreus C2	0	42.24	0	0.0
Calanus hyperboreus C1	0	42.24	0	0.0
Calanus finmarchicus AF	7	42.24	47	0.1
Calanus finmarchicus AM	0	42.24	0	0.0
Calanus finmarchicus C5	63	42.24	149	0.3
Calanus finmarchicus C4	93	42.24	220	0.5
Calanus finmarchicus C3	6	42.24	14	0.0
Calanus finmarchicus C2	0	42.24	0	0.0
Calanus finmarchicus C1	0	42.24	0	0.0
Calanus glacialis AF	20	42.24	94	0.2
Calanus glacialis AM	0	42.24	0	0.0
Calanus glacialis C5	1	42.24	42	0.1
Calanus glacialis C4	2	42.24	5	0.0
Calanus glacialis C3	0	42.24	0	0.0
Calanus glacialis C2	0	42.24	0	0.0
Calanus glacialis C1	0	42.24	0	0.0
Metridia longa AF	1	42.24	2	0.0
Metridia longa AM	0	42.24	0	0.0
Metridia longa C5	0	42.24	0	0.0
Metridia longa C4	0	42.24	0	0.0
Metridia longa C3, C2, C1	0	42.24	0	0.0
Pseudocalanus minutus AF	103	42.24	244	0.5
Pseudocalanus minutus AM	0	42.24	0	0.0
Pseudocalanus minutus C5	15	42.24	36	0.1
Pseudocalanus minutus C4	9	42.24	21	0.0
Pseudocalanus spp. C3, C2, C1	14	42.24	33	0.1
Scolecithricella sp. all	0	42.24	0	0.0
Other large copepods (> 2mm)	0	42.24	0	0.0
Other small copepods (< 2mm)	2	42.24	5	0.0
Copepod nauplii	42	0.05	86066	185.6
Unid. calanoid copepodids	69	42.24	163	0.4
Microcalanus spp. AFM	2	42.24	5	0.0
Oithona spp. all	68	0.05	139344	300.6
Oncaea spp. all	19	42.24	45	0.1
Harpacticoids all	5	42.24	12	0.0
Appendicularians	6	42.24	14	0.0
Amphipods	79	42.24	187	0.4
Ostracods	0	42.24	0	0.0
Gelatinous zooplankton	0	42.24	0	0.0
Misc. Invert. larvae	0	42.24	0	0.0
Other zooplankton	5	42.24	12	0.0
Euphausiid adults	5	42.24	12	0.0
Euphausiid adolescents	10	42.24	24	0.1
Euphausiid furcillae	0	42.24	0	0.0
Euphausiid calyptopes	0	42.24	0	0.0
Euphausiid nauplii	0	42.24	0	0.0
Chaetognaths, juvenile	39	42.24	92	0.2
Eukrohnia hamata, adults	0	42.24	0	0.0
Sagitta elegans, adults	0	42.24	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 011
 Ship: HAKON MOSBY Net type: 1 m
 Station: 007 Net mesh: 118 um
 Date: 3-29-87 Haul depth: 164-0 m
 Time: 0945
 Latitude: 78 50.5 N Volume
 Longitude: 0 31.4 W filtered: 858.2

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M^3
Calanus hyperboreus AF	0	4.66	0	0.0
Calanus hyperboreus AM	0	4.66	0	0.0
Calanus hyperboreus C5	0	4.66	0	0.0
Calanus hyperboreus C4	0	4.66	0	0.0
Calanus hyperboreus C3	0	4.66	0	0.0
Calanus hyperboreus C2	0	4.66	0	0.0
Calanus hyperboreus C1	0	4.66	0	0.0
Calanus finmarchicus AF	29	4.66	622	0.7
Calanus finmarchicus AM	7	4.66	150	0.2
Calanus finmarchicus C5	68	1.54	4421	5.2
Calanus finmarchicus C4	59	4.66	1265	1.5
Calanus finmarchicus C3	3	4.66	64	0.1
Calanus finmarchicus C2	0	4.66	0	0.0
Calanus finmarchicus C1	0	4.66	0	0.0
Calanus glacialis AF	6	4.66	129	0.1
Calanus glacialis AM	0	4.66	0	0.0
Calanus glacialis C5	0	4.66	0	0.0
Calanus glacialis C4	0	4.66	0	0.0
Calanus glacialis C3	1	4.66	21	0.0
Calanus glacialis C2	0	4.66	0	0.0
Calanus glacialis C1	0	4.66	0	0.0
Metridia longa AF	0	4.66	0	0.0
Metridia longa AM	0	4.66	0	0.0
Metridia longa C5	0	4.66	0	0.0
Metridia longa C4	0	4.66	0	0.0
Metridia longa C3, C2, C1	0	4.66	0	0.0
Pseudocalanus minutus AF	24	4.66	515	0.6
Pseudocalanus minutus AM	1	4.66	21	0.0
Pseudocalanus minutus C5	6	4.66	129	0.1
Pseudocalanus minutus C4	2	4.66	43	0.0
Pseudocalanus spp. C3, C2, C1	3	4.66	64	0.1
Scolecithricella sp. all	0	4.66	0	0.0
Other large copepods (> 2mm)	0	4.66	0	0.0
Other small copepods (< 2mm)	1	4.66	21	0.0
Copepod nauplii	55	0.07	75137	87.6
Unid. calanoid copepodids	80	1.54	5202	6.1
Microcalanus spp. AFM	4	4.66	86	0.1
Oithona spp. all	52	0.02	213115	248.3
Oncaea spp. all	3	4.66	64	0.1
Harpacticoids all	4	4.66	86	0.1
Appendicularians	2	4.66	43	0.0
Amphipods	1	4.66	21	0.0
Ostracods	0	4.66	0	0.0
Gelatinous zooplankton	0	4.66	0	0.0
Misc. Invert. larvae	0	4.66	0	0.0
Other zooplankton	0	4.66	0	0.0
Euphausiid adults	2	4.66	43	0.0
Euphausiid adolescents	2	4.66	43	0.0
Euphausiid furcillae	0	4.66	0	0.0
Euphausiid calyptopes	0	4.66	0	0.0
Euphausiid nauplii	0	4.66	0	0.0
Chaetognaths, juvenile	5	4.66	107	0.1
Eukrohnia hamata, adults	0	4.66	0	0.0
Sagitta elegans, adults	0	4.66	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 012
 Ship: HAKON MOSBY Net type: 1 m
 Station: 007 Net mesh: 118 um
 Date: 3-29-87 Haul depth: 115-0 m
 Time: 1010
 Latitude: 78 50.6 N Volume
 Longitude: 0 32.7 W filtered: 463.6

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	23.54	0	0.0
Calanus hyperboreus AM	0	23.54	0	0.0
Calanus hyperboreus C5	0	23.54	0	0.0
Calanus hyperboreus C4	0	23.54	0	0.0
Calanus hyperboreus C3	0	23.54	0	0.0
Calanus hyperboreus C2	0	23.54	0	0.0
Calanus hyperboreus C1	0	23.54	0	0.0
Calanus finmarchicus AF	79	23.54	534	1.2
Calanus finmarchicus AM	3	23.54	13	0.0
Calanus finmarchicus C5	95	4.79	2065	4.5
Calanus finmarchicus C4	62	4.79	1296	2.8
Calanus finmarchicus C3	3	11.04	27	0.1
Calanus finmarchicus C2	0	23.54	0	0.0
Calanus finmarchicus C1	0	23.54	0	0.0
Calanus glacialis AF	16	23.54	68	0.1
Calanus glacialis AM	0	23.54	0	0.0
Calanus glacialis C5	0	23.54	0	0.0
Calanus glacialis C4	3	11.04	27	0.1
Calanus glacialis C3	2	11.04	18	0.0
Calanus glacialis C2	0	11.04	0	0.0
Calanus glacialis C1	0	11.04	0	0.0
Metridia longa AF	0	11.04	0	0.0
Metridia longa AM	0	11.04	0	0.0
Metridia longa C5	0	11.04	0	0.0
Metridia longa C4	0	11.04	0	0.0
Metridia longa C3, C2, C1	0	11.04	0	0.0
Pseudocalanus minutus AF	28	11.04	254	0.5
Pseudocalanus minutus AM	0	11.04	0	0.0
Pseudocalanus minutus C5	5	11.04	45	0.1
Pseudocalanus minutus C4	3	11.04	27	0.1
Pseudocalanus spp. C3, C2, C1	4	11.04	36	0.1
Scolecithricella sp. all	0	11.04	0	0.0
Other large copepods (> 2mm)	0	11.04	0	0.0
Other small copepods (< 2mm)	0	11.04	0	0.0
Copepod nauplii	69	0.10	70624	152.3
Unid. calanoid copepodids	56	4.79	1170	2.5
Microcalanus spp. AFM	0	11.04	0	0.0
Oithona spp. all	108	0.10	110542	238.4
Oncaea spp. all	3	4.79	63	0.1
Harpacticoids all	2	4.79	42	0.1
Appendicularians	7	11.04	63	0.1
Amphipods	5	11.04	45	0.1
Ostracods	1	11.04	9	0.0
Gelatinous zooplankton	0	11.04	0	0.0
Misc. invert. larvae	0	11.04	0	0.0
Other zooplankton	7	11.04	63	0.1
Euphausiid adults	12	11.04	109	0.2
Euphausiid adolescents	3	11.04	27	0.1
Euphausiid furcillae	0	11.04	0	0.0
Euphausiid calyptopes	0	11.04	0	0.0
Euphausiid nauplii	0	11.04	0	0.0
Chaetognaths, juvenile	14	11.04	127	0.3
Eukrohnia hamata, adults	0	11.04	0	0.0
Sagitta elegans, adults	0	11.04	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 013
 Ship: HAKON MOSBY Net type: 1 m
 Station: 008 Net mesh: 118 um
 Date: 3-29-87 Haul depth: 103-0 m
 Time: 1400
 Latitude: 78 50.9 N Volume
 Longitude: 0 02.9 W filtered: 949.6

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	5.52	0	0.0
Calanus hyperboreus AM	0	5.52	0	0.0
Calanus hyperboreus C5	0	5.52	0	0.0
Calanus hyperboreus C4	0	5.52	0	0.0
Calanus hyperboreus C3	0	5.52	0	0.0
Calanus hyperboreus C2	0	5.52	0	0.0
Calanus hyperboreus C1	0	5.52	0	0.0
Calanus finmarchicus AF	22	5.52	399	0.4
Calanus finmarchicus AM	1	5.52	18	0.0
Calanus finmarchicus C5	103	2.39	4305	4.5
Calanus finmarchicus C4	46	2.39	1923	2.0
Calanus finmarchicus C3	0	5.52	0	0.0
Calanus finmarchicus C2	0	5.52	0	0.0
Calanus finmarchicus C1	0	5.52	0	0.0
Calanus glacialis AF	61	5.52	1106	1.2
Calanus glacialis AM	0	5.52	0	0.0
Calanus glacialis C5	2	5.52	36	0.0
Calanus glacialis C4	1	5.52	18	0.0
Calanus glacialis C3	0	5.52	0	0.0
Calanus glacialis C2	0	5.52	0	0.0
Calanus glacialis C1	0	5.52	0	0.0
Metridia longa AF	0	5.52	0	0.0
Metridia longa AM	0	5.52	0	0.0
Metridia longa C5	0	5.52	0	0.0
Metridia longa C4	0	5.52	0	0.0
Metridia longa C3, C2, C1	0	5.52	0	0.0
Pseudocalanus minutus AF	65	5.52	1178	1.2
Pseudocalanus minutus AM	0	5.52	0	0.0
Pseudocalanus minutus C5	19	5.52	344	0.4
Pseudocalanus minutus C4	19	5.52	344	0.4
Pseudocalanus spp. C3, C2, C1	3	5.52	54	0.1
Scolecithricella sp. all	0	5.52	0	0.0
Other large copepods (> 2mm)	0	5.52	0	0.0
Other small copepods (< 2mm)	0	5.52	0	0.0
Copepod nauplii	47	0.05	96311	101.4
Unid. calanoid copepodids	71	2.39	2968	3.1
Microcalanus spp. AFM	1	5.52	18	0.0
Olithona spp. all	146	0.05	299180	315.1
Oncaea spp. all	0	5.52	0	0.0
Harpacticoids all	17	5.52	308	0.3
Appendicularians	18	5.52	326	0.3
Amphipods	3	5.52	54	0.1
Ostracods	0	5.52	0	0.0
Gelatinous zooplankton	0	5.52	0	0.0
Misc. Invert. larvae	0	5.52	0	0.0
Other zooplankton	10	5.52	181	0.2
Euphausiid adults	2	5.52	36	0.0
Euphausiid adolescents	4	5.52	72	0.1
Euphausiid furcillae	0	5.52	0	0.0
Euphausiid calyptopes	0	5.52	0	0.0
Euphausiid nauplii	0	5.52	0	0.0
Chaetognaths, juvenile	7	5.52	127	0.1
Eukrohnia hamata, adults	0	5.52	0	0.0
Sagitta elegans, adults	0	5.52	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 014
 Ship: HAKON MOSBY Net type: 1 m
 Station: 008 Net mesh: 118 um
 Date: 3-29-87 Haul depth: 86-0 m
 Time: 1419
 Latitude: 78 51.8 N Volume
 Longitude: 0 05.5 W filtered: 246.9

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	33.79	0	0.0
Calanus hyperboreus AM	0	33.79	0	0.0
Calanus hyperboreus C5	0	33.79	0	0.0
Calanus hyperboreus C4	0	33.79	0	0.0
Calanus hyperboreus C3	0	33.79	0	0.0
Calanus hyperboreus C2	0	33.79	0	0.0
Calanus hyperboreus C1	0	33.79	0	0.0
Calanus finmarchicus AF	29	33.79	145	0.6
Calanus finmarchicus AM	2	33.79	6	0.0
Calanus finmarchicus C5	90	33.79	266	1.1
Calanus finmarchicus C4	84	33.79	249	1.0
Calanus finmarchicus C3	4	33.79	12	0.0
Calanus finmarchicus C2	0	33.79	0	0.0
Calanus finmarchicus C1	0	33.79	0	0.0
Calanus glacialis AF	32	33.79	138	0.6
Calanus glacialis AM	2	33.79	26	0.1
Calanus glacialis C5	0	33.79	0	0.0
Calanus glacialis C4	1	33.79	3	0.0
Calanus glacialis C3	0	33.79	0	0.0
Calanus glacialis C2	0	33.79	0	0.0
Calanus glacialis C1	0	33.79	0	0.0
Metridia longa AF	0	33.79	0	0.0
Metridia longa AM	0	33.79	0	0.0
Metridia longa C5	0	33.79	0	0.0
Metridia longa C4	0	33.79	0	0.0
Metridia longa C3, C2, C1	0	33.79	0	0.0
Pseudocalanus minutus AF	62	8.79	705	2.9
Pseudocalanus minutus AM	0	8.79	0	0.0
Pseudocalanus minutus C5	9	8.79	102	0.4
Pseudocalanus minutus C4	10	8.79	114	0.5
Pseudocalanus spp. C3, C2, C1	8	8.79	91	0.4
Scolecithricella sp. all	0	8.79	0	0.0
Other large copepods (> 2mm)	0	8.79	0	0.0
Other small copepods (< 2mm)	0	8.79	0	0.0
Copepod nauplii	43	0.20	22017	89.2
Unid. calanoid copepodids	45	0.98	4608	18.7
Microcalanus spp. AFM	0	8.79	0	0.0
Oithona spp. all	122	0.20	62468	253.0
Oncaea spp. all	1	8.79	11	0.0
Harpacticoids all	20	8.79	228	0.9
Appendicularians	16	8.79	182	0.7
Amphipods	5	8.79	57	0.2
Ostracods	0	33.79	0	0.0
Gelatinous zooplankton	0	33.79	0	0.0
Misc. Invert. larvae	0	33.79	0	0.0
Other zooplankton	10	33.79	30	0.1
Euphausiid adults	6	33.79	18	0.1
Euphausiid adolescents	8	33.79	24	0.1
Euphausiid furcillae	0	33.79	0	0.0
Euphausiid calyptopes	0	33.79	0	0.0
Euphausiid nauplii	0	33.79	0	0.0
Chaetognaths, juvenile	5	33.79	15	0.1
Eukrohnia hamata, adults	0	33.79	0	0.0
Sagitta elegans, adults	0	33.79	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 015
 Ship: HAKON MOSBY Net type: 1 m
 Station: 009 Net mesh: 118 um
 Date: 3-29-87 Haul depth: 93-0 m
 Time: 1710
 Latitude: 78 51.1 N Volume
 Longitude: 0 26.7 E filtered: 1049.6

Taxonomic Category	Number Counted	Percent Counted	No. in Sample	No./M ³
Calanus hyperboreus AF	0	5.91	0	0.0
Calanus hyperboreus AM	0	5.91	0	0.0
Calanus hyperboreus C5	0	5.91	0	0.0
Calanus hyperboreus C4	0	5.91	0	0.0
Calanus hyperboreus C3	0	5.91	0	0.0
Calanus hyperboreus C2	0	5.91	0	0.0
Calanus hyperboreus C1	0	5.91	0	0.0
Calanus finmarchicus AF	49	5.91	829	0.8
Calanus finmarchicus AM	1	5.91	17	0.0
Calanus finmarchicus C5	23	5.91	389	0.4
Calanus finmarchicus C4	10	5.91	169	0.2
Calanus finmarchicus C3	1	5.91	17	0.0
Calanus finmarchicus C2	0	5.91	0	0.0
Calanus finmarchicus C1	0	5.91	0	0.0
Calanus glacialis AF	80	5.91	1354	1.3
Calanus glacialis AM	1	5.91	17	0.0
Calanus glacialis C5	7	5.91	118	0.1
Calanus glacialis C4	4	5.91	68	0.1
Calanus glacialis C3	3	5.91	51	0.0
Calanus glacialis C2	0	5.91	0	0.0
Calanus glacialis C1	0	5.91	0	0.0
Metridia longa AF	0	5.91	0	0.0
Metridia longa AM	0	5.91	0	0.0
Metridia longa C5	0	5.91	0	0.0
Metridia longa C4	0	5.91	0	0.0
Metridia longa C3, C2, C1	0	5.91	0	0.0
Pseudocalanus minutus AF	22	5.91	372	0.4
Pseudocalanus minutus AM	0	5.91	0	0.0
Pseudocalanus minutus C5	4	2.78	144	0.1
Pseudocalanus minutus C4	14	2.78	503	0.5
Pseudocalanus spp. C3, C2, C1	6	2.78	216	0.2
Scolecithricella sp. all	0	5.91	0	0.0
Other large copepods (> 2mm)	0	5.91	0	0.0
Other small copepods (< 2mm)	0	5.91	0	0.0
Copepod nauplii	116	0.05	237705	226.5
Unid. calanoid copepodids	21	2.78	755	0.7
Microcalanus spp. AFM	0	5.91	0	0.0
Oithona spp. all	93	0.05	190574	181.6
Oncaea spp. all	2	2.78	72	0.1
Harpacticoids all	5	5.91	85	0.1
Appendicularians	49	2.78	1761	1.7
Amphipods	47	2.78	1689	1.6
Ostracods	0	5.91	0	0.0
Gelatinous zooplankton	1	5.91	17	0.0
Misc. Invert. larvae	0	5.91	0	0.0
Other zooplankton	1	5.91	17	0.0
Euphausiid adults	7	5.91	118	0.1
Euphausiid adolescents	0	5.91	0	0.0
Euphausiid furcillae	6	5.91	102	0.1
Euphausiid calyptopes	0	5.91	0	0.0
Euphausiid nauplii	0	5.91	0	0.0
Chaetognaths, juvenile	4	5.91	68	0.1
Eukrohnia hamata, adults	0	5.91	0	0.0
Sagitta elegans, adults	0	5.91	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 016
 Ship: HAKON MOSBY Net type: 1 m
 Station: 009 Net mesh: 118 um
 Date: 3-29-87 Haul depth: 61-0
 Time: 1730
 Latitude: 78 51.2 N Volume
 Longitude: 0 24.4 E filtered: 588.6

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	22.07	0	0.0
Calanus hyperboreus AM	0	22.07	0	0.0
Calanus hyperboreus C5	0	22.07	0	0.0
Calanus hyperboreus C4	0	22.07	0	0.0
Calanus hyperboreus C3	0	22.07	0	0.0
Calanus hyperboreus C2	0	22.07	0	0.0
Calanus hyperboreus C1	0	22.07	0	0.0
Calanus finmarchicus AF	37	22.07	228	0.4
Calanus finmarchicus AM	1	22.07	5	0.0
Calanus finmarchicus C5	87	22.07	449	0.8
Calanus finmarchicus C4	27	22.07	122	0.2
Calanus finmarchicus C3	3	22.07	14	0.0
Calanus finmarchicus C2	0	22.07	0	0.0
Calanus finmarchicus C1	0	22.07	0	0.0
Calanus glacialis AF	26	22.07	163	0.3
Calanus glacialis AM	0	22.07	0	0.0
Calanus glacialis C5	3	22.07	14	0.0
Calanus glacialis C4	6	22.07	27	0.0
Calanus glacialis C3	3	22.07	14	0.0
Calanus glacialis C2	0	22.07	0	0.0
Calanus glacialis C1	0	22.07	0	0.0
Metridia longa AF	0	22.07	0	0.0
Metridia longa AM	0	22.07	0	0.0
Metridia longa C5	0	22.07	0	0.0
Metridia longa C4	0	22.07	0	0.0
Metridia longa C3, C2, C1	0	22.07	0	0.0
Pseudocalanus minutus AF	38	22.07	172	0.3
Pseudocalanus minutus AM	0	22.07	0	0.0
Pseudocalanus minutus C5	19	22.07	86	0.1
Pseudocalanus minutus C4	32	22.07	145	0.2
Pseudocalanus spp. C3, C2, C1	15	22.07	68	0.1
Scolecithricella sp. all	0	22.07	0	0.0
Other large copepods (> 2mm)	0	22.07	0	0.0
Other small copepods (< 2mm)	0	22.07	0	0.0
Copepod nauplii	128	0.20	65540	111.3
Unid. calanoid copepodids	38	22.07	172	0.3
Microcalanus spp. AFM	5	22.07	23	0.0
Oithona spp. all	160	0.20	81925	139.2
Oncaea spp. all	2	22.07	9	0.0
Harpacticoids all	19	22.07	86	0.1
Appendicularians	79	22.07	358	0.6
Amphipods	30	22.07	136	0.2
Ostracods	0	22.07	0	0.0
Gelatinous zooplankton	0	22.07	0	0.0
Misc. Invert. larvae	0	22.07	0	0.0
Other zooplankton	16	22.07	72	0.1
Euphausiid adults	6	22.07	27	0.0
Euphausiid adolescents	1	22.07	5	0.0
Euphausiid furcillae	8	22.07	36	0.1
Euphausiid calyptopes	0	22.07	0	0.0
Euphausiid nauplii	1	22.07	5	0.0
Chaetognaths, juvenile	4	22.07	18	0.0
Eukrohnia hamata, adults	0	22.07	0	0.0
Sagitta elegans, adults	0	22.07	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 017
 Ship: HAKON MOSBY Net type: 1 m
 Station: 010 Net mesh: 118 um
 Date: 3-29-87 Haul depth: 98-0 m
 Time: 1945
 Latitude: 78 49.8 N Volume
 Longitude: 0 55.9 E filtered: 1057.6

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	2.81	0	0.0
Calanus hyperboreus AM	0	2.81	0	0.0
Calanus hyperboreus C5	0	2.81	0	0.0
Calanus hyperboreus C4	0	2.81	0	0.0
Calanus hyperboreus C3	0	2.81	0	0.0
Calanus hyperboreus C2	0	2.81	0	0.0
Calanus hyperboreus C1	0	2.81	0	0.0
Calanus finmarchicus AF	38	5.93	641	0.6
Calanus finmarchicus AM	12	2.81	427	0.4
Calanus finmarchicus C5	57	2.81	2030	1.9
Calanus finmarchicus C4	59	2.81	2102	2.0
Calanus finmarchicus C3	3	2.81	107	0.1
Calanus finmarchicus C2	0	2.81	0	0.0
Calanus finmarchicus C1	0	2.81	0	0.0
Calanus glacialis AF	29	5.93	489	0.5
Calanus glacialis AM	1	2.81	36	0.0
Calanus glacialis C5	0	2.81	0	0.0
Calanus glacialis C4	2	2.81	71	0.1
Calanus glacialis C3	0	2.81	0	0.0
Calanus glacialis C2	0	2.81	0	0.0
Calanus glacialis C1	0	2.81	0	0.0
Metridia longa AF	0	2.81	0	0.0
Metridia longa AM	0	2.81	0	0.0
Metridia longa C5	0	2.81	0	0.0
Metridia longa C4	0	2.81	0	0.0
Metridia longa C3, C2, C1	0	2.81	0	0.0
Pseudocalanus minutus AF	15	2.81	534	0.5
Pseudocalanus minutus AM	0	2.81	0	0.0
Pseudocalanus minutus C5	12	2.81	427	0.4
Pseudocalanus minutus C4	20	2.81	712	0.7
Pseudocalanus spp. C3, C2, C1	4	2.81	142	0.1
Scolecithricella sp. all	1	2.81	36	0.0
Other large copepods (> 2mm)	0	2.81	0	0.0
Other small copepods (< 2mm)	0	2.81	0	0.0
Copepod nauplii	57	0.07	77869	73.6
Unid. calanoid copepodids	60	0.46	12937	12.2
Microcalanus spp. AFM	9	2.81	321	0.3
Olithona spp. all	52	0.02	213115	201.5
Oncaea spp. all	1	2.81	36	0.0
Harpacticoids all	7	2.81	249	0.2
Appendicularians	41	2.81	1460	1.4
Amphipods	1	2.81	36	0.0
Ostracods	0	2.81	0	0.0
Gelatinous zooplankton	0	2.81	0	0.0
Misc. Invert. larvae	1	2.81	36	0.0
Other zooplankton	6	2.81	214	0.2
Euphausiid adults	1	2.81	36	0.0
Euphausiid adolescents	0	2.81	0	0.0
Euphausiid furcillae	2	2.81	71	0.1
Euphausiid calyptopes	0	2.81	0	0.0
Euphausiid nauplii	0	2.81	0	0.0
Chaetognaths, juvenile	8	2.81	285	0.3
Eukrohnia hamata, adults	0	2.81	0	0.0
Sagitta elegans, adults	0	2.81	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 018
 Ship: HAKON MOSBY Net type: 1 m.
 Station: 010 Net mesh: 118 um
 Date: 3-29-87 Haul depth: 61-0 m
 Time: 2007
 Latitude: 78 50.6 N Volume
 Longitude: 0 54.7 E filtered: 624.8

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	11.13	0	0.0
Calanus hyperboreus AM	0	11.13	0	0.0
Calanus hyperboreus C5	0	11.13	0	0.0
Calanus hyperboreus C4	0	11.13	0	0.0
Calanus hyperboreus C3	0	11.13	0	0.0
Calanus hyperboreus C2	0	11.13	0	0.0
Calanus hyperboreus C1	0	11.13	0	0.0
Calanus finmarchicus AF	35	61.13	127	0.2
Calanus finmarchicus AM	1	11.13	9	0.0
Calanus finmarchicus C5	18	11.13	162	0.3
Calanus finmarchicus C4	13	11.13	117	0.2
Calanus finmarchicus C3	1	11.13	9	0.0
Calanus finmarchicus C2	0	11.13	0	0.0
Calanus finmarchicus C1	0	11.13	0	0.0
Calanus glacialis AF	20	61.13	63	0.1
Calanus glacialis AM	0	11.13	0	0.0
Calanus glacialis C5	0	11.13	0	0.0
Calanus glacialis C4	0	11.13	0	0.0
Calanus glacialis C3	0	11.13	0	0.0
Calanus glacialis C2	0	11.13	0	0.0
Calanus glacialis C1	0	11.13	0	0.0
Metridia longa AF	0	11.13	0	0.0
Metridia longa AM	0	11.13	0	0.0
Metridia longa C5	0	11.13	0	0.0
Metridia longa C4	0	11.13	0	0.0
Metridia longa C3, C2, C1	0	11.13	0	0.0
Pseudocalanus minutus AF	26	11.13	234	0.4
Pseudocalanus minutus AM	0	4.88	0	0.0
Pseudocalanus minutus C5	3	4.88	61	0.1
Pseudocalanus minutus C4	7	4.88	143	0.2
Pseudocalanus spp. C3, C2, C1	3	4.88	61	0.1
Scolecithricella sp. all	0	4.88	0	0.0
Other large copepods (> 2mm)	0	4.88	0	0.0
Other small copepods (< 2mm)	0	4.88	0	0.0
Copepod nauplii	84	0.20	43011	68.8
Unid. calanoid copepodids	60	1.76	3413	5.5
Microcalanus spp. AFM	9	4.88	184	0.3
Oithona spp. all	173	0.20	88582	141.8
Oncaea spp. all	3	11.13	27	0.0
Harpacticoids all	4	4.88	82	0.1
Appendicularians	59	4.88	1208	1.9
Amphipods	4	11.13	36	0.1
Ostracods	4	61.13	7	0.0
Gelatinous zooplankton	0	4.88	0	0.0
Misc. Invert. larvae	0	4.88	0	0.0
Other zooplankton	5	4.88	102	0.2
Euphausiid adults	8	61.13	13	0.0
Euphausiid adolescents	2	61.13	3	0.0
Euphausiid furcillae	24	61.13	39	0.1
Euphausiid calyptopes	0	4.88	0	0.0
Euphausiid nauplii	0	4.88	0	0.0
Chaetognaths, juvenile	1	4.88	20	0.0
Eukrohnia hamata, adults	0	4.88	0	0.0
Sagitta elegans, adults	0	4.88	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 019
 Ship: HAKON MOSBY Net type: 1 m
 Station: 011 Net mesh: 118 um
 Date: 3-30-87 Haul depth: 130-0 m
 Time: 0108
 Latitude: 78 59.2 N Volume
 Longitude: 0 58.7 W filtered: 1682.9

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	1	5.10	20	0.0
Calanus hyperboreus AM	0	5.10	0	0.0
Calanus hyperboreus C5	0	5.10	0	0.0
Calanus hyperboreus C4	0	5.10	0	0.0
Calanus hyperboreus C3	0	5.10	0	0.0
Calanus hyperboreus C2	0	5.10	0	0.0
Calanus hyperboreus C1	0	5.10	0	0.0
Calanus finmarchicus AF	85	5.10	1666	1.0
Calanus finmarchicus AM	39	5.10	764	0.5
Calanus finmarchicus C5	126	5.10	2469	1.5
Calanus finmarchicus C4	102	5.10	1999	1.2
Calanus finmarchicus C3	3	5.10	59	0.0
Calanus finmarchicus C2	0	5.10	0	0.0
Calanus finmarchicus C1	0	5.10	0	0.0
Calanus glacialis AF	67	5.10	1313	0.8
Calanus glacialis AM	0	5.10	0	0.0
Calanus glacialis C5	0	5.10	0	0.0
Calanus glacialis C4	1	5.10	20	0.0
Calanus glacialis C3	1	5.10	20	0.0
Calanus glacialis C2	0	5.10	0	0.0
Calanus glacialis C1	0	5.10	0	0.0
Metridia longa AF	67	5.10	1313	0.8
Metridia longa AM	0	5.10	0	0.0
Metridia longa C5	0	5.10	0	0.0
Metridia longa C4	0	5.10	0	0.0
Metridia longa C3, C2, C1	0	5.10	0	0.0
Pseudocalanus minutus AF	80	5.10	1568	0.9
Pseudocalanus minutus AM	0	5.10	0	0.0
Pseudocalanus minutus C5	8	1.98	405	0.2
Pseudocalanus minutus C4	4	1.98	202	0.1
Pseudocalanus spp. C3, C2, C1	1	1.98	51	0.0
Scolecithricella sp. all	0	5.10	0	0.0
Other large copepods (> 2mm)	1	5.10	20	0.0
Other small copepods (< 2mm)	0	5.10	0	0.0
Copepod nauplii	108	0.02	442623	263.0
Unid. calanoid copepodids	28	0.42	6747	4.0
Microcalanus spp. AFM	0	5.10	0	0.0
Oithona spp. all	130	0.02	532787	316.6
Oncaea spp. all	6	1.98	303	0.2
Harpacticoids all	2	1.98	101	0.1
Appendicularians	1	1.98	51	0.0
Amphipods	34	5.10	666	0.4
Ostracods	13	5.10	255	0.2
Gelatinous zooplankton	0	5.10	0	0.0
Misc. Invert. larvae	0	5.10	0	0.0
Other zooplankton	0	5.10	0	0.0
Euphausiid adults	11	5.10	216	0.1
Euphausiid adolescents	20	5.10	392	0.2
Euphausiid furcillae	0	5.10	0	0.0
Euphausiid calyptopes	0	5.10	0	0.0
Euphausiid nauplii	0	5.10	0	0.0
Chaetognaths, juvenile	14	5.10	274	0.2
Eukrohnia hamata, adults	0	5.10	0	0.0
Sagitta elegans, adults	0	5.10	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 020
 Ship: HAKON MOSBY Net type: 1 m
 Station: 011 Net mesh: 118 um
 Date: 3-30-87 Haul depth: 72-0 m
 Time: 0150
 Latitude: 78 59.2 N Volume
 Longitude: 0 58.7 W filtered: 749.7

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	11.45	0	0.0
Calanus hyperboreus AM	0	11.45	0	0.0
Calanus hyperboreus C5	0	11.45	0	0.0
Calanus hyperboreus C4	0	11.45	0	0.0
Calanus hyperboreus C3	0	11.45	0	0.0
Calanus hyperboreus C2	0	11.45	0	0.0
Calanus hyperboreus C1	0	11.45	0	0.0
Calanus finmarchicus AF	55	11.45	540	0.7
Calanus finmarchicus AM	24	11.45	249	0.3
Calanus finmarchicus C5	97	11.45	847	1.1
Calanus finmarchicus C4	76	11.45	664	0.9
Calanus finmarchicus C3	2	11.45	17	0.0
Calanus finmarchicus C2	0	11.45	0	0.0
Calanus finmarchicus C1	0	11.45	0	0.0
Calanus glacialis AF	54	11.45	502	0.7
Calanus glacialis AM	0	11.45	0	0.0
Calanus glacialis C5	0	11.45	0	0.0
Calanus glacialis C4	1	11.45	9	0.0
Calanus glacialis C3	1	11.45	9	0.0
Calanus glacialis C2	0	11.45	0	0.0
Calanus glacialis C1	0	11.45	0	0.0
Metridia longa AF	2	11.45	17	0.0
Metridia longa AM	0	11.45	0	0.0
Metridia longa C5	0	11.45	0	0.0
Metridia longa C4	0	11.45	0	0.0
Metridia longa C3, C2, C1	0	11.45	0	0.0
Pseudocalanus minutus AF	30	5.20	577	0.8
Pseudocalanus minutus AM	0	5.20	0	0.0
Pseudocalanus minutus C5	4	5.20	77	0.1
Pseudocalanus minutus C4	4	5.20	77	0.1
Pseudocalanus spp. C3, C2, C1	6	5.20	115	0.2
Scolecithricella sp. all	0	5.20	0	0.0
Other large copepods (> 2mm)	0	5.20	0	0.0
Other small copepods (< 2mm)	0	5.20	0	0.0
Copepod nauplii	69	0.02	282787	377.2
Unid. calanoid copepodids	39	2.06	1898	2.5
Microcalanus spp. AFM	1	5.20	19	0.0
Oithona spp. all	61	0.02	250000	333.5
Oncaea spp. all	7	5.20	135	0.2
Harpacticoids all	5	5.20	96	0.1
Appendicularians	6	2.08	289	0.4
Amphipods	13	5.20	250	0.3
Ostracods	1	5.20	19	0.0
Gelatinous zooplankton	0	5.20	0	0.0
Misc. Invert. larvae	0	5.20	0	0.0
Other zooplankton	2	5.20	38	0.1
Euphausiid adults	2	5.20	38	0.1
Euphausiid adolescents	2	5.20	38	0.1
Euphausiid furcillae	0	5.20	0	0.0
Euphausiid calyptopes	0	5.20	0	0.0
Euphausiid nauplii	0	5.20	0	0.0
Chaetognaths, juvenile	8	5.20	154	0.2
Eukrohnia hamata, adults	0	5.20	0	0.0
Sagitta elegans, adults	0	5.20	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 021
 Ship: HAKON MOSBY Net type: 1 m
 Station: 012 Net mesh: 118 um
 Date: 3-30-87 Haul depth: 137-0 m
 Time: 0430
 Latitude: 78 55.8 N Volume
 Longitude: 01 07.5 W filtered: 1596.2

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M^3
Calanus hyperboreus AF	0	5.20	0	0.0
Calanus hyperboreus AM	0	5.20	0	0.0
Calanus hyperboreus C5	0	5.20	0	0.0
Calanus hyperboreus C4	0	5.20	0	0.0
Calanus hyperboreus C3	0	5.20	0	0.0
Calanus hyperboreus C2	0	5.20	0	0.0
Calanus hyperboreus C1	0	5.20	0	0.0
Calanus finmarchicus AF	40	5.20	769	0.5
Calanus finmarchicus AM	5	5.20	96	0.1
Calanus finmarchicus C5	86	5.20	1654	1.0
Calanus finmarchicus C4	45	5.20	865	0.5
Calanus finmarchicus C3	3	5.20	58	0.0
Calanus finmarchicus C2	0	5.20	0	0.0
Calanus finmarchicus C1	0	5.20	0	0.0
Calanus glacialis AF	22	5.20	423	0.3
Calanus glacialis AM	1	5.20	19	0.0
Calanus glacialis C5	0	5.20	0	0.0
Calanus glacialis C4	0	5.20	0	0.0
Calanus glacialis C3	0	5.20	0	0.0
Calanus glacialis C2	0	5.20	0	0.0
Calanus glacialis C1	0	5.20	0	0.0
Metridia longa AF	0	5.20	0	0.0
Metridia longa AM	0	5.20	0	0.0
Metridia longa C5	0	5.20	0	0.0
Metridia longa C4	0	5.20	0	0.0
Metridia longa C3, C2, C1	0	5.20	0	0.0
Pseudocalanus minutus AF	72	5.20	1385	0.9
Pseudocalanus minutus AM	0	5.20	0	0.0
Pseudocalanus minutus C5	5	2.08	241	0.2
Pseudocalanus minutus C4	12	2.08	578	0.4
Pseudocalanus spp. C3, C2, C1	4	2.08	193	0.1
Scolecithricella sp. all	0	2.08	0	0.0
Other large copepods (> 2mm)	0	2.08	0	0.0
Other small copepods (< 2mm)	0	2.08	0	0.0
Copepod nauplii	119	0.02	487705	305.5
Unid. calanoid copepodids	57	0.51	11118	7.0
Microcalanus spp. AFM	2	2.08	96	0.1
Oithona spp. all	202	0.02	827869	518.6
Oncaea spp. all	3	2.08	145	0.1
Harpacticoids all	4	2.08	193	0.1
Appendicularians	0	5.20	0	0.0
Amphipods	35	5.20	673	0.4
Ostracods	1	2.08	48	0.0
Gelatinous zooplankton	0	2.08	0	0.0
Misc. Invert. larvae	0	2.08	0	0.0
Other zooplankton	0	2.08	0	0.0
Euphausiid adults	28	5.20	538	0.3
Euphausiid adolescents	13	5.20	250	0.2
Euphausiid furcillae	0	5.20	0	0.0
Euphausiid calyptopes	0	5.20	0	0.0
Euphausiid nauplii	0	2.08	0	0.0
Chaetognaths, juvenile	3	5.20	58	0.0
Eukrohnia hamata, adults	0	5.20	0	0.0
Sagitta elegans, adults	0	5.20	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 022
 Ship: HAKON MOSBY Net type: 1 m
 Station: 012 Net mesh: 118 um
 Date: 3-30-87 Haul depth: 72-0 m
 Time: 0513
 Latitude: 78 56.2 N Volume
 Longitude: 01 11.3 W filtered: 779.4

Taxonomic Category	Number Counted	Percent Counted	No. in Sample	No./M ³
Calanus hyperboreus AF	0	12.13	0	0.0
Calanus hyperboreus AM	0	12.13	0	0.0
Calanus hyperboreus C5	0	12.13	0	0.0
Calanus hyperboreus C4	0	12.13	0	0.0
Calanus hyperboreus C3	0	12.13	0	0.0
Calanus hyperboreus C2	0	12.13	0	0.0
Calanus hyperboreus C1	0	12.13	0	0.0
Calanus finmarchicus AF	41	12.13	383	0.5
Calanus finmarchicus AM	1	12.13	8	0.0
Calanus finmarchicus C5	42	12.13	386	0.5
Calanus finmarchicus C4	10	12.13	82	0.1
Calanus finmarchicus C3	1	12.13	8	0.0
Calanus finmarchicus C2	0	12.13	0	0.0
Calanus finmarchicus C1	0	12.13	0	0.0
Calanus glacialis AF	81	12.13	728	0.9
Calanus glacialis AM	0	12.13	0	0.0
Calanus glacialis C5	0	12.13	0	0.0
Calanus glacialis C4	0	12.13	0	0.0
Calanus glacialis C3	0	12.13	0	0.0
Calanus glacialis C2	0	12.13	0	0.0
Calanus glacialis C1	0	12.13	0	0.0
Metridia longa AF	0	12.13	0	0.0
Metridia longa AM	0	12.13	0	0.0
Metridia longa C5	0	12.13	0	0.0
Metridia longa C4	0	12.13	0	0.0
Metridia longa C3, C2, C1	0	5.88	0	0.0
Pseudocalanus minutus AF	30	5.88	510	0.7
Pseudocalanus minutus AM	0	5.88	0	0.0
Pseudocalanus minutus C5	16	5.88	272	0.3
Pseudocalanus minutus C4	14	5.88	238	0.3
Pseudocalanus spp. C3, C2, C1	2	5.88	34	0.0
Scolecithricella sp. all	0	5.88	0	0.0
Other large copepods (> 2mm)	0	5.88	0	0.0
Other small copepods (< 2mm)	0	5.88	0	0.0
Copepod nauplii	102	0.02	418033	536.4
Unid. calanoid copepodids	18	1.20	1505	1.9
Microcalanus spp. AFM	1	1.20	84	0.1
Olithona spp. all	89	0.02	364754	468.0
Oncaea spp. all	1	1.20	84	0.1
Harpacticoids all	0	5.88	0	0.0
Appendicularians	16	1.20	1338	1.7
Amphipods	39	5.88	663	0.9
Ostracods	0	5.88	0	0.0
Gelatinous zooplankton	0	5.88	0	0.0
Misc. Invert. larvae	0	5.88	0	0.0
Other zooplankton	15	5.88	255	0.3
Euphausiid adults	9	9.01	100	0.1
Euphausiid adolescents	7	9.01	78	0.1
Euphausiid furcillae	0	5.88	0	0.0
Euphausiid calyptopes	0	5.88	0	0.0
Euphausiid nauplii	0	5.88	0	0.0
Chaetognaths, juvenile	4	5.88	68	0.1
Eukrohnia hamata, adults	0	5.88	0	0.0
Sagitta elegans, adults	0	5.88	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 023
 Ship: HAKON MOSBY Net type: 1 m
 Station: 013 Net mesh: 118 um
 Date: 3-30-87 Haul depth: 137-0m
 Time: 0805
 Latitude: 78 51.3 N Volume
 Longitude: 01 03.7 W filtered: 1591.8

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No. /M^3
Calanus hyperboreus AF	0	5.91	0	0.0
Calanus hyperboreus AM	0	2.78	0	0.0
Calanus hyperboreus C5	0	2.78	0	0.0
Calanus hyperboreus C4	0	2.78	0	0.0
Calanus hyperboreus C3	0	2.78	0	0.0
Calanus hyperboreus C2	0	2.78	0	0.0
Calanus hyperboreus C1	0	2.78	0	0.0
Calanus finmarchicus AF	64	5.91	1083	0.7
Calanus finmarchicus AM	3	2.78	108	0.1
Calanus finmarchicus C5	42	2.78	1509	0.9
Calanus finmarchicus C4	40	2.78	1437	0.9
Calanus finmarchicus C3	5	2.78	180	0.1
Calanus finmarchicus C2	0	2.78	0	0.0
Calanus finmarchicus C1	0	2.78	0	0.0
Calanus glacialis AF	9	5.91	152	0.1
Calanus glacialis AM	0	2.78	0	0.0
Calanus glacialis C5	0	2.78	0	0.0
Calanus glacialis C4	2	2.78	72	0.0
Calanus glacialis C3	0	2.78	0	0.0
Calanus glacialis C2	0	2.78	0	0.0
Calanus glacialis C1	0	2.78	0	0.0
Metridia longa AF	0	2.78	0	0.0
Metridia longa AM	0	2.78	0	0.0
Metridia longa C5	0	2.78	0	0.0
Metridia longa C4	0	2.78	0	0.0
Metridia longa C3, C2, C1	0	2.78	0	0.0
Pseudocalanus minutus AF	45	2.78	1617	1.0
Pseudocalanus minutus AM	0	2.78	0	0.0
Pseudocalanus minutus C5	9	2.78	323	0.2
Pseudocalanus minutus C4	9	2.78	323	0.2
Pseudocalanus spp. C3, C2, C1	2	2.78	72	0.0
Scolecithricella sp. all	1	2.78	36	0.0
Other large copepods (> 2mm)	0	2.78	0	0.0
Other small copepods (< 2mm)	0	2.78	0	0.0
Copepod nauplii	95	0.05	194672	122.3
Unid. calanoid copepodids	37	0.44	8421	5.3
Microcalanus spp. AFM	4	2.78	144	0.1
Oithona spp. all	102	0.05	209016	131.3
Oncaea spp. all	7	2.78	252	0.2
Harpacticoids all	0	2.78	0	0.0
Appendicularians	36	2.78	1294	0.8
Amphipods	7	2.78	252	0.2
Ostracods	0	2.78	0	0.0
Gelatinous zooplankton	0	2.78	0	0.0
Misc. Invert. larvae	0	2.78	0	0.0
Other zooplankton	23	2.78	826	0.5
Euphausiid adults	4	2.78	144	0.1
Euphausiid adolescents	7	2.78	252	0.2
Euphausiid furcillae	0	2.78	0	0.0
Euphausiid calyptopes	0	2.78	0	0.0
Euphausiid nauplii	0	2.78	0	0.0
Chaetognaths, juvenile	10	2.78	359	0.2
Eukrohnia hamata, adults	0	2.78	0	0.0
Sagitta elegans, adults	0	2.78	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 024
 Ship: HAKON MOSBY Net type: 1 m
 Station: 013 Net mesh: 118 um
 Date: 3-30-87 Haul depth: 68-0 m
 Time: 0840
 Latitude: 78 52.1 N Volume
 Longitude: 01 08.3 W filtered: 747.9

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	18.02	0	0.0
Calanus hyperboreus AM	0	18.02	0	0.0
Calanus hyperboreus C5	0	18.02	0	0.0
Calanus hyperboreus C4	0	18.02	0	0.0
Calanus hyperboreus C3	0	18.02	0	0.0
Calanus hyperboreus C2	0	18.02	0	0.0
Calanus hyperboreus C1	0	18.02	0	0.0
Calanus finmarchicus AF	41	18.02	278	0.4
Calanus finmarchicus AM	1	18.02	6	0.0
Calanus finmarchicus C5	40	18.02	242	0.3
Calanus finmarchicus C4	18	18.02	100	0.1
Calanus finmarchicus C3	0	18.02	0	0.0
Calanus finmarchicus C2	0	18.02	0	0.0
Calanus finmarchicus C1	0	18.02	0	0.0
Calanus glacialis AF	43	18.02	304	0.4
Calanus glacialis AM	0	18.02	0	0.0
Calanus glacialis C5	0	18.02	0	0.0
Calanus glacialis C4	2	18.02	11	0.0
Calanus glacialis C3	0	18.02	0	0.0
Calanus glacialis C2	0	18.02	0	0.0
Calanus glacialis C1	0	18.02	0	0.0
Metridia longa AF	0	18.02	0	0.0
Metridia longa AM	0	18.02	0	0.0
Metridia longa C5	0	18.02	0	0.0
Metridia longa C4	0	18.02	0	0.0
Metridia longa C3, C2, C1	0	5.52	0	0.0
Pseudocalanus minutus AF	39	5.52	707	0.9
Pseudocalanus minutus AM	0	5.52	0	0.0
Pseudocalanus minutus C5	15	5.52	272	0.4
Pseudocalanus minutus C4	7	5.52	127	0.2
Pseudocalanus spp. C3, C2, C1	4	5.52	72	0.1
Scolecithricella sp. all	0	5.52	0	0.0
Other large copepods (> 2mm)	0	5.52	0	0.0
Other small copepods (< 2mm)	0	5.52	0	0.0
Copepod nauplii	117	0.05	239754	320.6
Unid. calanoid copepodids	61	2.39	2550	3.4
Microcalanus spp. AFM	3	5.52	54	0.1
Oithona spp. all	71	0.05	145492	194.5
Oncaea spp. all	4	5.52	72	0.1
Harpacticoids all	1	5.52	18	0.0
Appendicularians	6	5.52	109	0.1
Amphipods	8	5.52	145	0.2
Ostracods	2	5.52	36	0.0
Gelatinous zooplankton	0	5.52	0	0.0
Misc. Invert. larvae	0	5.52	0	0.0
Other zooplankton	22	5.52	399	0.5
Euphausiid adults	11	18.02	61	0.1
Euphausiid adolescents	2	18.02	11	0.0
Euphausiid furcillae	0	5.52	0	0.0
Euphausiid calyptopes	0	5.52	0	0.0
Euphausiid nauplii	0	5.52	0	0.0
Chaetognaths, juvenile	1	18.02	6	0.0
Eukrohnia hamata, adults	0	18.02	0	0.0
Sagitta elegans, adults	0	18.02	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 025
 Ship: HAKON MOSBY Net type: 1 m
 Station: 014 Net mesh: 118 um
 Date: 3-30-87 Haul depth: 173-0 m
 Time: 1326
 Latitude: 78 45.8 N Volume
 Longitude: 01 01.5 W filtered: 1247.1

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	9.03	0	0.0
Calanus hyperboreus AM	0	9.03	0	0.0
Calanus hyperboreus C5	0	9.03	0	0.0
Calanus hyperboreus C4	0	9.03	0	0.0
Calanus hyperboreus C3	0	9.03	0	0.0
Calanus hyperboreus C2	0	9.03	0	0.0
Calanus hyperboreus C1	0	9.03	0	0.0
Calanus finmarchicus AF	81	9.03	897	0.7
Calanus finmarchicus AM	8	9.03	89	0.1
Calanus finmarchicus C5	72	1.22	5899	4.7
Calanus finmarchicus C4	40	1.22	3277	2.6
Calanus finmarchicus C3	3	2.78	108	0.1
Calanus finmarchicus C2	0	2.78	0	0.0
Calanus finmarchicus C1	0	2.78	0	0.0
Calanus glacialis AF	38	9.03	421	0.3
Calanus glacialis AM	0	9.03	0	0.0
Calanus glacialis C5	3	9.03	33	0.0
Calanus glacialis C4	2	2.78	72	0.1
Calanus glacialis C3	0	2.78	0	0.0
Calanus glacialis C2	0	2.78	0	0.0
Calanus glacialis C1	0	2.78	0	0.0
Metridia longa AF	0	9.03	0	0.0
Metridia longa AM	0	9.03	0	0.0
Metridia longa C5	0	9.03	0	0.0
Metridia longa C4	0	2.78	0	0.0
Metridia longa C3, C2, C1	0	2.78	0	0.0
Pseudocalanus minutus AF	34	2.78	1222	1.0
Pseudocalanus minutus AM	0	2.78	0	0.0
Pseudocalanus minutus C5	5	2.78	180	0.1
Pseudocalanus minutus C4	1	2.78	36	0.0
Pseudocalanus spp. C3, C2, C1	5	2.78	180	0.1
Scolecithricella sp. all	0	2.78	0	0.0
Other large copepods (> 2mm)	0	2.78	0	0.0
Other small copepods (< 2mm)	1	2.78	36	0.0
Copepod nauplii	89	0.05	182377	146.2
Unid. calanoid copepodids	31	0.44	7055	5.7
Microcalanus spp. AFM	1	2.78	36	0.0
Oithona spp. all	118	0.05	241803	193.9
Oncaea spp. all	0	2.78	0	0.0
Harpacticoids all	1	2.78	36	0.0
Appendicularians	8	2.78	287	0.2
Amphipods	14	9.03	155	0.1
Ostracods	1	2.78	36	0.0
Gelatinous zooplankton	3	9.03	33	0.0
Misc. Invert. larvae	0	2.78	0	0.0
Other zooplankton	3	2.78	108	0.1
Euphausiid adults	18	9.03	199	0.2
Euphausiid adolescents	5	9.03	55	0.0
Euphausiid furcillae	0	2.78	0	0.0
Euphausiid calyptopes	0	2.78	0	0.0
Euphausiid nauplii	0	2.78	0	0.0
Chaetognaths, juvenile	10	2.78	359	0.3
Eukrohnia hamata, adults	0	2.78	0	0.0
Sagitta elegans, adults	0	2.78	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 026
 Ship: HAKON MOSBY Net type: 1 m
 Station: 014 Net mesh: 118 um
 Date: 3-30-87 Haul depth: 72-0 m
 Time: 1413
 Latitude: 78 45.7 N Volume
 Longitude: 01 02.2 W filtered: 875.9

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	5.13	0	0.0
Calanus hyperboreus AM	0	5.13	0	0.0
Calanus hyperboreus C5	0	5.13	0	0.0
Calanus hyperboreus C4	0	5.13	0	0.0
Calanus hyperboreus C3	0	5.13	0	0.0
Calanus hyperboreus C2	0	5.13	0	0.0
Calanus hyperboreus C1	0	5.13	0	0.0
Calanus finmarchicus AF	35	5.13	743	0.8
Calanus finmarchicus AM	14	5.13	273	0.3
Calanus finmarchicus C5	74	2.00	3756	4.3
Calanus finmarchicus C4	51	2.00	2548	2.9
Calanus finmarchicus C3	5	5.13	98	0.1
Calanus finmarchicus C2	0	5.13	0	0.0
Calanus finmarchicus C1	0	5.13	0	0.0
Calanus glacialis AF	50	5.13	1025	1.2
Calanus glacialis AM	0	5.13	0	0.0
Calanus glacialis C5	0	5.13	0	0.0
Calanus glacialis C4	2	5.13	39	0.0
Calanus glacialis C3	2	5.13	39	0.0
Calanus glacialis C2	0	5.13	0	0.0
Calanus glacialis C1	0	5.13	0	0.0
Metridia longa AF	0	5.13	0	0.0
Metridia longa AM	0	5.13	0	0.0
Metridia longa C5	0	5.13	0	0.0
Metridia longa C4	0	5.13	0	0.0
Metridia longa C3, C2, C1	0	5.13	0	0.0
Pseudocalanus minutus AF	26	5.13	507	0.6
Pseudocalanus minutus AM	0	5.13	0	0.0
Pseudocalanus minutus C5	6	5.13	117	0.1
Pseudocalanus minutus C4	5	5.13	98	0.1
Pseudocalanus spp. C3, C2, C1	7	5.13	137	0.2
Scolecithricella sp. all	0	5.13	0	0.0
Other large copepods (> 2mm)	0	5.13	0	0.0
Other small copepods (< 2mm)	0	5.13	0	0.0
Copepod nauplii	73	0.05	149590	170.8
Unid. calanoid copepodids	38	2.00	1898	2.2
Microcalanus spp. AFM	8	5.13	156	0.2
Oncaea spp. all	53	0.05	108607	124.0
Oncaea spp. all	8	5.13	156	0.2
Harpacticoids all	4	5.13	78	0.1
Appendicularians	15	2.00	749	0.9
Amphipods	6	5.13	117	0.1
Ostracods	0	5.13	0	0.0
Gelatinous zooplankton	1	5.13	20	0.0
Misc. Invert. larvae	0	5.13	0	0.0
Other zooplankton	10	5.13	195	0.2
Euphausiid adults	7	5.13	137	0.2
Euphausiid adolescents	3	5.13	59	0.1
Euphausiid furcillae	0	5.13	0	0.0
Euphausiid calyptopes	0	5.13	0	0.0
Euphausiid nauplii	0	5.13	0	0.0
Chaetognaths, juvenile	20	5.13	390	0.4
Eukrohnia hamata, adults	0	5.13	0	0.0
Sagitta elegans, adults	0	5.13	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 027
 Ship: HAKON MOSBY Net type: 1 m
 Station: 015 Net mesh: 118 um
 Date: 3-30-87 Haul depth: 130-0 m
 Time: 1725
 Latitude: 78 35.5 N Volume
 Longitude: 01 00.1 W filtered: 1436

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	1.42	0	0.0
Calanus hyperboreus AM	0	1.42	0	0.0
Calanus hyperboreus C5	0	1.42	0	0.0
Calanus hyperboreus C4	0	1.42	0	0.0
Calanus hyperboreus C3	0	1.42	0	0.0
Calanus hyperboreus C2	0	1.42	0	0.0
Calanus hyperboreus C1	0	1.42	0	0.0
Calanus finmarchicus AF	52	1.42	3823	2.7
Calanus finmarchicus AM	13	1.42	918	0.6
Calanus finmarchicus C5	181	1.42	12783	8.9
Calanus finmarchicus C4	120	1.42	8475	5.9
Calanus finmarchicus C3	5	1.42	353	0.2
Calanus finmarchicus C2	0	1.42	0	0.0
Calanus finmarchicus C1	0	1.42	0	0.0
Calanus glacialis AF	37	1.42	2613	1.8
Calanus glacialis AM	0	1.42	0	0.0
Calanus glacialis C5	0	1.42	0	0.0
Calanus glacialis C4	1	1.42	71	0.0
Calanus glacialis C3	0	1.42	0	0.0
Calanus glacialis C2	0	1.42	0	0.0
Calanus glacialis C1	0	1.42	0	0.0
Metridia longa AF	0	1.42	0	0.0
Metridia longa AM	0	1.42	0	0.0
Metridia longa C5	0	1.42	0	0.0
Metridia longa C4	0	1.42	0	0.0
Metridia longa C3, C2, C1	0	1.42	0	0.0
Pseudocalanus minutus AF	38	1.42	2684	1.9
Pseudocalanus minutus AM	0	1.42	0	0.0
Pseudocalanus minutus C5	7	1.42	494	0.3
Pseudocalanus minutus C4	3	1.42	212	0.1
Pseudocalanus spp. C3, C2, C1	3	1.42	212	0.1
Scolecithricella sp. all	0	1.42	0	0.0
Other large copepods (> 2mm)	0	1.42	0	0.0
Other small copepods (< 2mm)	0	1.42	0	0.0
Copepod nauplii	137	0.05	280738	195.5
Unid. calanoid copepodids	39	0.24	15977	11.1
Microcalanus spp. AFM	3	1.42	212	0.1
Olithona spp. all	219	0.05	448770	312.5
Oncaea spp. all	5	1.42	353	0.2
Harpacticoids all	3	1.42	212	0.1
Appendicularians	3	1.42	212	0.1
Amphipods	4	1.42	283	0.2
Ostracods	0	1.42	0	0.0
Gelatinous zooplankton	0	1.42	0	0.0
Misc. Invert. larvae	0	1.42	0	0.0
Other zooplankton	4	1.42	283	0.2
Euphausiid adults	5	1.42	353	0.2
Euphausiid adolescents	0	1.42	0	0.0
Euphausiid furcillae	0	1.42	0	0.0
Euphausiid calyptopes	0	1.42	0	0.0
Euphausiid nauplii	0	1.42	0	0.0
Chaetognaths, juvenile	16	1.42	1130	0.8
Eukrohnia hamata, adults	0	1.42	0	0.0
Sagitta elegans, adults	0	1.42	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 028
 Ship: HAKON MOSBY Net type: 1 m
 Station: 015 Net mesh: 118 um
 Date: 3-30-87 Haul depth: 68-0 m
 Time: 1800
 Latitude: 78 36.2 N Volume
 Longitude: 01 04.1 W filtered: 766

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	70.75	0	0.0
Calanus hyperboreus AM	0	70.75	0	0.0
Calanus hyperboreus C5	0	70.75	0	0.0
Calanus hyperboreus C4	0	70.75	0	0.0
Calanus hyperboreus C3	0	70.75	0	0.0
Calanus hyperboreus C2	0	70.75	0	0.0
Calanus hyperboreus C1	0	70.75	0	0.0
Calanus finmarchicus AF	6	70.75	34	0.0
Calanus finmarchicus AM	1	70.75	1	0.0
Calanus finmarchicus C5	82	70.75	116	0.2
Calanus finmarchicus C4	77	70.75	109	0.1
Calanus finmarchicus C3	8	70.75	11	0.0
Calanus finmarchicus C2	0	70.75	0	0.0
Calanus finmarchicus C1	0	70.75	0	0.0
Calanus glacialis AF	15	70.75	46	0.1
Calanus glacialis AM	0	70.75	0	0.0
Calanus glacialis C5	0	70.75	0	0.0
Calanus glacialis C4	6	70.75	8	0.0
Calanus glacialis C3	0	70.75	0	0.0
Calanus glacialis C2	0	70.75	0	0.0
Calanus glacialis C1	0	70.75	0	0.0
Metridia longa AF	0	70.75	0	0.0
Metridia longa AM	0	70.75	0	0.0
Metridia longa C5	0	70.75	0	0.0
Metridia longa C4	1	70.75	1	0.0
Metridia longa C3, C2, C1	0	20.75	0	0.0
Pseudocalanus minutus AF	92	20.75	443	0.6
Pseudocalanus minutus AM	0	20.75	0	0.0
Pseudocalanus minutus C5	28	20.75	135	0.2
Pseudocalanus minutus C4	43	20.75	207	0.3
Pseudocalanus spp. C3, C2, C1	30	20.75	145	0.2
Scolecithricella sp. all	2	70.75	3	0.0
Other large copepods (> 2mm)	0	20.75	0	0.0
Other small copepods (< 2mm)	0	20.75	0	0.0
Copepod nauplii	75	0.05	153689	200.6
Unid. calanoid copepodids	79	2.00	3946	5.2
Microcalanus spp. AFM	1	20.75	5	0.0
Oithona spp. all	78	0.05	159836	208.7
Oncaea spp. all	0	20.75	0	0.0
Harpacticoids all	10	20.75	48	0.1
Appendicularians	25	20.75	120	0.2
Amphipods	1	20.75	5	0.0
Ostracods	0	20.75	0	0.0
Gelatinous zooplankton	0	20.75	0	0.0
Misc. Invert. larvae	2	20.75	10	0.0
Other zooplankton	20	20.75	96	0.1
Euphausiid adults	11	20.75	53	0.1
Euphausiid adolescents	3	20.75	14	0.0
Euphausiid furcillae	0	20.75	0	0.0
Euphausiid calyptopes	0	20.75	0	0.0
Euphausiid nauplii	0	20.75	0	0.0
Chaetognaths, juvenile	21	20.75	101	0.1
Eukrohnia hamata, adults	0	20.75	0	0.0
Sagitta elegans, adults	0	20.75	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 029
 Ship: HAKON MOSBY Net type: 1 m
 Station: 016 Net mesh: 118 um
 Date: 4-1-87 Haul depth: 169-0 m
 Time: 0720
 Latitude: 78 10.9 N Volume
 Longitude: 0 12.8 E filtered: 1392.7

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	1	1.37	81	0.1
Calanus hyperboreus AM	0	1.37	0	0.0
Calanus hyperboreus C5	0	1.37	0	0.0
Calanus hyperboreus C4	0	1.37	0	0.0
Calanus hyperboreus C3	0	1.37	0	0.0
Calanus hyperboreus C2	0	1.37	0	0.0
Calanus hyperboreus C1	0	1.37	0	0.0
Calanus finmarchicus AF	40	1.37	2973	2.1
Calanus finmarchicus AM	15	1.37	1092	0.8
Calanus finmarchicus C5	55	0.59	9351	6.7
Calanus finmarchicus C4	37	0.59	6250	4.5
Calanus finmarchicus C3	1	0.59	169	0.1
Calanus finmarchicus C2	0	0.59	0	0.0
Calanus finmarchicus C1	0	0.59	0	0.0
Calanus glacialis AF	12	1.37	874	0.6
Calanus glacialis AM	0	1.37	0	0.0
Calanus glacialis C5	0	1.37	0	0.0
Calanus glacialis C4	0	1.37	0	0.0
Calanus glacialis C3	0	1.37	0	0.0
Calanus glacialis C2	0	1.37	0	0.0
Calanus glacialis C1	0	1.37	0	0.0
Metridia longa AF	0	1.37	0	0.0
Metridia longa AM	0	1.37	0	0.0
Metridia longa C5	0	1.37	0	0.0
Metridia longa C4	0	1.37	0	0.0
Metridia longa C3, C2, C1	0	1.37	0	0.0
Pseudocalanus minutus AF	49	1.37	3568	2.6
Pseudocalanus minutus AM	0	1.37	0	0.0
Pseudocalanus minutus C5	11	1.37	801	0.6
Pseudocalanus minutus C4	4	1.37	291	0.2
Pseudocalanus spp. C3, C2, C1	1	0.59	169	0.1
Scolecithricella sp. all	0	1.37	0	0.0
Other large copepods (> 2mm)	0	1.37	0	0.0
Other small copepods (< 2mm)	0	1.37	0	0.0
Copepod nauplii	277	0.20	137537	98.8
Unid. calanoid copepodids	68	0.20	33764	24.2
Microcalanus spp. AFM	7	1.37	510	0.4
Oithona spp. all	53	0.01	868852	623.9
Oncaea spp. all	2	0.59	338	0.2
Harpacticoids all	0	1.37	0	0.0
Appendicularians	84	0.59	14189	10.2
Amphipods	1	1.37	73	0.1
Ostracods	3	1.37	218	0.2
Gelatinous zooplankton	0	1.37	0	0.0
Misc. invert. larvae	0	1.37	0	0.0
Other zooplankton	6	1.37	437	0.3
Euphausiid adults	2	1.37	146	0.1
Euphausiid adolescents	1	1.37	73	0.1
Euphausiid furcillae	2	1.37	146	0.1
Euphausiid calyptopes	0	1.37	0	0.0
Euphausiid nauplii	0	1.37	0	0.0
Chaetognaths, juvenile	6	1.37	437	0.3
Eukrohnia hamata, adults	0	1.37	0	0.0
Sagitta elegans, adults	0	1.37	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 030
 Ship: HAKON MOSBY Net type: 1 m
 Station: 016 Net mesh: 118 um
 Date: 4-1-87 Haul depth: 94-0 m
 Time: 0755
 Latitude: 78 12.3 N Volume
 Longitude: 0 12.7 E filtered: 620.5

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	23.85	0	0.0
Calanus hyperboreus AM	0	23.85	0	0.0
Calanus hyperboreus C5	0	23.85	0	0.0
Calanus hyperboreus C4	0	23.85	0	0.0
Calanus hyperboreus C3	0	23.85	0	0.0
Calanus hyperboreus C2	0	23.85	0	0.0
Calanus hyperboreus C1	0	23.85	0	0.0
Calanus finmarchicus AF	23	23.85	96	0.2
Calanus finmarchicus AM	0	23.85	0	0.0
Calanus finmarchicus C5	13	23.85	55	0.1
Calanus finmarchicus C4	26	23.85	109	0.2
Calanus finmarchicus C3	4	23.85	17	0.0
Calanus finmarchicus C2	1	23.85	4	0.0
Calanus finmarchicus C1	0	23.85	0	0.0
Calanus glacialis AF	31	23.85	130	0.2
Calanus glacialis AM	0	23.85	0	0.0
Calanus glacialis C5	0	23.85	0	0.0
Calanus glacialis C4	3	23.85	13	0.0
Calanus glacialis C3	0	23.85	0	0.0
Calanus glacialis C2	0	23.85	0	0.0
Calanus glacialis C1	0	23.85	0	0.0
Metridia longa AF	0	23.85	0	0.0
Metridia longa AM	0	23.85	0	0.0
Metridia longa C5	0	23.85	0	0.0
Metridia longa C4	0	23.85	0	0.0
Metridia longa C3, C2, C1	0	23.85	0	0.0
Pseudocalanus minutus AF	87	11.35	766	1.2
Pseudocalanus minutus AM	0	11.35	0	0.0
Pseudocalanus minutus C5	25	11.35	220	0.4
Pseudocalanus minutus C4	19	11.35	167	0.3
Pseudocalanus spp. C3, C2, C1	10	11.35	88	0.1
Scolecithricella sp. all	1	23.85	4	0.0
Other large copepods (> 2mm)	0	23.85	0	0.0
Other small copepods (< 2mm)	0	23.85	0	0.0
Copepod nauplii	86	0.02	352459	568.0
Unid. calanoid copepodids	53	1.98	2680	4.3
Microcalanus spp. AFM	1	23.85	4	0.0
Onchona spp. all	121	0.02	495902	799.2
Oncaea spp. all	0	23.85	0	0.0
Harpacticoids all	3	23.85	13	0.0
Appendicularians	50	0.42	12048	19.4
Amphipods	6	23.85	25	0.0
Ostracods	0	23.85	0	0.0
Gelatinous zooplankton	0	23.85	0	0.0
Misc. invert. larvae	0	23.85	0	0.0
Other zooplankton	17	23.85	71	0.1
Euphausiid adults	5	23.85	21	0.0
Euphausiid adolescents	3	23.85	13	0.0
Euphausiid furcillae	18	23.85	75	0.1
Euphausiid calyptopes	0	23.85	0	0.0
Euphausiid nauplii	0	23.85	0	0.0
Chaetognaths, juvenile	5	23.85	21	0.0
Eukrohnia hamata, adults	0	23.85	0	0.0
Sagitta elegans, adults	0	23.85	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 031
 Ship: HAKON MOSBY Net type: 1 m
 Station: 017 Net mesh: 118 um
 Date: 4-1-87 Haul depth: 137-0 m
 Time: 1100
 Latitude: 78 11.3 N Volume
 Longitude: 0 39.6 E filtered: 1562.4

Taxonomic Category	Number Counted	Percent Counted	No. in Sample	No./M^3
Calanus hyperboreus AF	0	13.98	0	0.0
Calanus hyperboreus AM	0	13.98	0	0.0
Calanus hyperboreus C5	1	13.98	7	0.0
Calanus hyperboreus C4	0	13.98	0	0.0
Calanus hyperboreus C3	0	13.98	0	0.0
Calanus hyperboreus C2	0	13.98	0	0.0
Calanus hyperboreus C1	0	13.98	0	0.0
Calanus finmarchicus AF	66	13.98	472	0.3
Calanus finmarchicus AM	8	13.98	57	0.0
Calanus finmarchicus C5	41	0.70	5892	3.8
Calanus finmarchicus C4	49	0.70	7042	4.5
Calanus finmarchicus C3	0	1.48	0	0.0
Calanus finmarchicus C2	0	1.48	0	0.0
Calanus finmarchicus C1	0	1.48	0	0.0
Calanus glacialis AF	25	13.98	179	0.1
Calanus glacialis AM	0	1.48	0	0.0
Calanus glacialis C5	0	1.48	0	0.0
Calanus glacialis C4	2	1.48	135	0.1
Calanus glacialis C3	0	1.48	0	0.0
Calanus glacialis C2	0	1.48	0	0.0
Calanus glacialis C1	1	1.48	68	0.0
Metridia longa AF	0	1.48	0	0.0
Metridia longa AM	0	1.48	0	0.0
Metridia longa C5	0	1.48	0	0.0
Metridia longa C4	0	1.48	0	0.0
Metridia longa C3, C2, C1	0	1.48	0	0.0
Pseudocalanus minutus AF	42	1.48	2844	1.8
Pseudocalanus minutus AM	0	1.48	0	0.0
Pseudocalanus minutus C5	3	1.48	203	0.1
Pseudocalanus minutus C4	7	1.48	474	0.3
Pseudocalanus spp. C3, C2, C1	3	1.48	203	0.1
Scolecithricella sp. all	0	1.48	0	0.0
Other large copepods (> 2mm)	0	1.48	0	0.0
Other small copepods (< 2mm)	0	1.48	0	0.0
Copepod nauplii	33	0.01	270492	173.1
Unid. calanoid copepodids	47	0.11	42766	27.4
Microcalanus spp. AFM	8	1.48	542	0.3
Oithona spp. all	97	0.01	795082	508.9
Oncaea spp. all	11	1.48	745	0.5
Harpacticoids all	8	1.48	542	0.3
Appendicularians	43	0.70	6180	4.0
Amphipods	29	13.98	207	0.1
Ostracods	2	1.48	135	0.1
Gelatinous zooplankton	1	13.98	7	0.0
Misc. Invert. larvae	0	1.48	0	0.0
Other zooplankton	2	1.48	135	0.1
Euphausiid adults	18	13.98	129	0.1
Euphausiid adolescents	1	13.98	7	0.0
Euphausiid furcillae	17	13.98	122	0.1
Euphausiid calyptopes	0	13.98	0	0.0
Euphausiid nauplii	0	13.98	0	0.0
Chaetognaths, juvenile	75	13.98	537	0.3
Eukrohnia hamata, adults	0	13.98	0	0.0
Sagitta elegans, adults	0	13.98	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 032
 Ship: HAKON MOSBY Net type: 1 m
 Station: 017 Net mesh: 118 um
 Date: 4-1-87 Haul depth: 85-0 m
 Time: 1138
 Latitude: 78 11.7 N Volume
 Longitude: 0 32.3 E filtered: 736.6

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	2.67	1	0.0
Calanus hyperboreus AM	0	2.67	0	0.0
Calanus hyperboreus C5	1	2.67	37	0.1
Calanus hyperboreus C4	0	2.67	0	0.0
Calanus hyperboreus C3	0	2.67	0	0.0
Calanus hyperboreus C2	0	2.67	0	0.0
Calanus hyperboreus C1	0	2.67	0	0.0
Calanus finmarchicus AF	26	5.80	548	0.7
Calanus finmarchicus AM	2	5.80	34	0.0
Calanus finmarchicus C5	107	2.67	4063	5.5
Calanus finmarchicus C4	105	2.67	3928	5.3
Calanus finmarchicus C3	1	2.67	37	0.1
Calanus finmarchicus C2	0	2.67	0	0.0
Calanus finmarchicus C1	0	2.67	0	0.0
Calanus glacialis AF	11	5.80	206	0.3
Calanus glacialis AM	0	2.67	0	0.0
Calanus glacialis C5	0	2.67	0	0.0
Calanus glacialis C4	1	2.67	37	0.1
Calanus glacialis C3	0	2.67	0	0.0
Calanus glacialis C2	0	2.67	0	0.0
Calanus glacialis C1	0	2.67	0	0.0
Metridia longa AF	0	2.67	0	0.0
Metridia longa AM	0	2.67	0	0.0
Metridia longa C5	0	2.67	0	0.0
Metridia longa C4	0	2.67	0	0.0
Metridia longa C3, C2, C1	0	2.67	0	0.0
Pseudocalanus minutus AF	42	2.67	1571	2.1
Pseudocalanus minutus AM	0	2.67	0	0.0
Pseudocalanus minutus C5	6	2.67	224	0.3
Pseudocalanus minutus C4	12	2.67	449	0.6
Pseudocalanus spp. C3, C2, C1	13	2.67	486	0.7
Scolecithricella sp. all	0	2.67	0	0.0
Other large copepods (> 2mm)	0	2.67	0	0.0
Other small copepods (< 2mm)	0	2.67	0	0.0
Copepod nauplii	64	0.04	174863	237.4
Unid. calanoid copepodids	101	0.33	30643	41.6
Microcalanus spp. AFM	23	2.67	860	1.2
Oithona spp. all	68	0.01	557377	756.7
Oncaea spp. all	8	2.67	299	0.4
Harpacticoids all	1	2.67	37	0.1
Appendicularians	43	2.67	1608	2.2
Amphipods	21	2.67	786	1.1
Ostracods	2	2.67	75	0.1
Gelatinous zooplankton	0	2.67	0	0.0
Misc. Invert. larvae	0	2.67	0	0.0
Other zooplankton	3	2.67	112	0.2
Euphausiid adults	2	5.80	34	0.0
Euphausiid adolescents	0	5.80	0	0.0
Euphausiid furcillae	1	5.80	17	0.0
Euphausiid calyptopes	0	5.80	0	0.0
Euphausiid nauplii	0	5.80	0	0.0
Chaetognaths, juvenile	29	5.80	500	0.7
Eukrohnia hamata, adults	0	5.80	0	0.0
Sagitta elegans, adults	0	5.80	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 033
 Ship: HAKON MOSBY Net type: 1 m
 Station: 018 Net mesh: 118 um
 Date: 4-1-87 Haul depth: 156-0 m
 Time: 1545
 Latitude: 78 11.4 N Volume
 Longitude: 1 28.2 E filtered: 1144.4

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	8	1.29	621	0.5
Calanus hyperboreus AM	0	1.29	0	0.0
Calanus hyperboreus C5	0	1.29	0	0.0
Calanus hyperboreus C4	0	1.29	0	0.0
Calanus hyperboreus C3	0	1.29	0	0.0
Calanus hyperboreus C2	0	1.29	0	0.0
Calanus hyperboreus C1	0	1.29	0	0.0
Calanus finmarchicus AF	38	1.29	2951	2.6
Calanus finmarchicus AM	4	1.29	311	0.3
Calanus finmarchicus C5	47	0.51	9278	8.1
Calanus finmarchicus C4	74	1.29	5746	5.0
Calanus finmarchicus C3	0	1.29	0	0.0
Calanus finmarchicus C2	0	1.29	0	0.0
Calanus finmarchicus C1	0	1.29	0	0.0
Calanus glacialis AF	11	1.29	854	0.7
Calanus glacialis AM	2	1.29	155	0.1
Calanus glacialis C5	2	1.29	155	0.1
Calanus glacialis C4	5	1.29	388	0.3
Calanus glacialis C3	0	1.29	0	0.0
Calanus glacialis C2	0	1.29	0	0.0
Calanus glacialis C1	0	1.29	0	0.0
Metridia longa AF	0	1.29	0	0.0
Metridia longa AM	0	1.29	0	0.0
Metridia longa C5	0	1.29	0	0.0
Metridia longa C4	0	1.29	0	0.0
Metridia longa C3, C2, C1	0	1.29	0	0.0
Pseudocalanus minutus AF	81	1.29	6290	5.5
Pseudocalanus minutus AM	0	1.29	0	0.0
Pseudocalanus minutus C5	11	1.29	854	0.7
Pseudocalanus minutus C4	8	1.29	621	0.5
Pseudocalanus spp. C3, C2, C1	6	1.29	466	0.4
Scolecithricella sp. all	0	1.29	0	0.0
Other large copepods (> 2mm)	0	1.29	0	0.0
Other small copepods (< 2mm)	0	1.29	0	0.0
Copepod nauplii	53	0.02	289617	253.1
Unid. calanoid copepodids	108	0.51	21319	18.6
Microcalanus spp. AFM	9	1.29	699	0.6
Oithona spp. all	49	0.01	803279	701.9
Oncaea spp. all	26	1.29	2019	1.8
Harpacticoids all	5	1.29	388	0.3
Appendicularians	44	1.29	3417	3.0
Amphipods	2	1.29	155	0.1
Ostracods	0	1.29	0	0.0
Gelatinous zooplankton	0	1.29	0	0.0
Misc. Invert. larvae	0	1.29	0	0.0
Other zooplankton	8	1.29	621	0.5
Euphausiid adults	0	1.29	0	0.0
Euphausiid adolescents	0	1.29	0	0.0
Euphausiid furcillae	1	1.29	78	0.1
Euphausiid calyptopes	0	1.29	0	0.0
Euphausiid nauplii	0	1.29	0	0.0
Chaetognaths, juvenile	9	1.29	699	0.6
Eukrohnia hamata, adults	0	1.29	0	0.0
Sagitta elegans, adults	0	1.29	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 034
 Ship: HAKON MOSBY Net type: 1 m
 Station: 018 Net mesh: 118 um
 Date: 4-1-87 Haul depth: 103-0 m
 Time: 1620
 Latitude: 78 11.6 N Volume
 Longitude: 1 25.7 E filtered: 576.6

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	1	12.33	9	0.0
Calanus hyperboreus AM	0	12.33	0	0.0
Calanus hyperboreus C5	0	12.33	0	0.0
Calanus hyperboreus C4	0	12.33	0	0.0
Calanus hyperboreus C3	0	12.33	0	0.0
Calanus hyperboreus C2	0	12.33	0	0.0
Calanus hyperboreus C1	0	12.33	0	0.0
Calanus finmarchicus AF	26	12.33	311	0.5
Calanus finmarchicus AM	2	12.33	16	0.0
Calanus finmarchicus C5	37	6.08	669	1.2
Calanus finmarchicus C4	37	6.08	609	1.1
Calanus finmarchicus C3	1	12.33	8	0.0
Calanus finmarchicus C2	0	12.33	0	0.0
Calanus finmarchicus C1	0	12.33	0	0.0
Calanus glacialis AF	6	12.33	65	0.1
Calanus glacialis AM	0	12.33	0	0.0
Calanus glacialis C5	2	12.33	16	0.0
Calanus glacialis C4	3	12.33	24	0.0
Calanus glacialis C3	0	12.33	0	0.0
Calanus glacialis C2	0	12.33	0	0.0
Calanus glacialis C1	0	12.33	0	0.0
Metridia longa AF	0	12.33	0	0.0
Metridia longa AM	0	12.33	0	0.0
Metridia longa C5	0	12.33	0	0.0
Metridia longa C4	0	12.33	0	0.0
Metridia longa C3, C2, C1	0	12.33	0	0.0
Pseudocalanus minutus AF	43	2.95	1456	2.5
Pseudocalanus minutus AM	0	12.33	0	0.0
Pseudocalanus minutus C5	13	12.33	105	0.2
Pseudocalanus minutus C4	14	12.33	114	0.2
Pseudocalanus spp. C3, C2, C1	8	12.33	65	0.1
Scolecithricella sp. all	0	12.33	0	0.0
Other large copepods (> 2mm)	0	12.33	0	0.0
Other small copepods (< 2mm)	0	12.33	0	0.0
Copepod nauplii	37	0.02	151639	263.0
Unid. calanoid copepodids	47	0.61	7701	13.4
Microcalanus spp. AFM	7	12.33	57	0.1
Olithona spp. all	90	0.02	368852	639.7
Oncaea spp. all	7	2.95	237	0.4
Harpacticoids all	2	2.95	68	0.1
Appendicularians	77	1.39	5534	9.6
Amphipods	4	12.33	32	0.1
Ostracods	1	12.33	8	0.0
Gelatinous zooplankton	0	12.33	0	0.0
Misc. Invert. larvae	0	12.33	0	0.0
Other zooplankton	9	12.33	73	0.1
Euphausiid adults	1	12.33	8	0.0
Euphausiid adolescents	0	12.33	0	0.0
Euphausiid furcillae	7	12.33	57	0.1
Euphausiid calyptopes	0	12.33	0	0.0
Euphausiid nauplii	0	12.33	0	0.0
Chaetognaths, juvenile	14	12.33	114	0.2
Eukrohnia hamata, adults	0	12.33	0	0.0
Sagitta elegans, adults	0	12.33	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 035
 Ship: HAKON MOSBY Net type: 1 m
 Station: 020 Net mesh: 118 um
 Date: 4-1-87 Haul depth: 175-0 m
 Time: 2135
 Latitude: 78 10.0 N Volume
 Longitude: 0 36.2 W filtered: 1330

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	1.43	25	0.0
Calanus hyperboreus AM	0	1.43	0	0.0
Calanus hyperboreus C5	0	1.43	0	0.0
Calanus hyperboreus C4	0	1.43	0	0.0
Calanus hyperboreus C3	0	1.43	0	0.0
Calanus hyperboreus C2	0	1.43	0	0.0
Calanus hyperboreus C1	0	1.43	0	0.0
Calanus finmarchicus AF	32	1.43	2333	1.8
Calanus finmarchicus AM	3	1.43	210	0.2
Calanus finmarchicus C5	81	1.43	5724	4.3
Calanus finmarchicus C4	54	1.43	3781	2.8
Calanus finmarchicus C3	3	1.43	210	0.2
Calanus finmarchicus C2	1	1.43	70	0.1
Calanus finmarchicus C1	0	1.43	0	0.0
Calanus glacialis AF	24	1.43	1681	1.3
Calanus glacialis AM	0	1.43	0	0.0
Calanus glacialis C5	0	1.43	0	0.0
Calanus glacialis C4	0	1.43	0	0.0
Calanus glacialis C3	0	1.43	0	0.0
Calanus glacialis C2	0	1.43	0	0.0
Calanus glacialis C1	0	1.43	0	0.0
Metridia longa AF	21	1.43	1470	1.1
Metridia longa AM	0	1.43	0	0.0
Metridia longa C5	0	1.43	0	0.0
Metridia longa C4	0	1.43	0	0.0
Metridia longa C3, C2, C1	0	1.43	0	0.0
Pseudocalanus minutus AF	69	1.43	4832	3.6
Pseudocalanus minutus AM	0	1.43	0	0.0
Pseudocalanus minutus C5	16	1.43	1120	0.8
Pseudocalanus minutus C4	8	1.43	560	0.4
Pseudocalanus spp. C3, C2, C1	6	1.43	420	0.3
Scolecithricella sp. all	3	1.43	210	0.2
Other large copepods (> 2mm)	1	1.43	70	0.1
Other small copepods (< 2mm)	0	1.43	0	0.0
Copepod nauplii	33	0.01	270492	203.4
Unid. calanoid copepodids	41	0.06	67213	50.5
Microcalanus spp. AFM	29	1.43	2031	1.5
Oithona spp. all	130	0.01	1065574	801.2
Oncaea spp. all	8	1.43	560	0.4
Harpacticoids all	10	1.43	700	0.5
Appendicularians	3	1.43	210	0.2
Amphipods	2	1.43	140	0.1
Ostracods	4	1.43	280	0.2
Gelatinous zooplankton	0	1.43	0	0.0
Misc. Invert. larvae	0	1.43	0	0.0
Other zooplankton	3	1.43	210	0.2
Euphausiid adults	1	1.43	70	0.1
Euphausiid adolescents	0	1.43	0	0.0
Euphausiid furcillae	0	1.43	0	0.0
Euphausiid calyptopes	0	1.43	0	0.0
Euphausiid nauplii	0	1.43	0	0.0
Chaetognaths, juvenile	3	1.43	210	0.2
Eukrohnia hamata, adults	0	1.43	0	0.0
Sagitta elegans, adults	0	1.43	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 036
 Ship: HAKON MOSBY Net type: 1 m
 Station: 020 Net mesh: 118 um
 Date: 4-1-87 Haul depth: 72-0 m
 Time: 2210
 Latitude: 78 10.6 N Volume
 Longitude: 0 42.1 W filtered: 649.2

Taxonomic Category	Number Counted	Percent Counted	No. in Sample	No./M ³
Calanus hyperboreus AF	0	16.82	0	0.0
Calanus hyperboreus AM	0	16.82	0	0.0
Calanus hyperboreus C5	0	16.82	0	0.0
Calanus hyperboreus C4	0	16.82	0	0.0
Calanus hyperboreus C3	0	16.82	0	0.0
Calanus hyperboreus C2	0	16.82	0	0.0
Calanus hyperboreus C1	0	16.82	0	0.0
Calanus finmarchicus AF	41	16.82	244	0.4
Calanus finmarchicus AM	4	16.82	24	0.0
Calanus finmarchicus C5	38	16.82	226	0.3
Calanus finmarchicus C4	43	16.82	256	0.4
Calanus finmarchicus C3	2	16.82	12	0.0
Calanus finmarchicus C2	0	16.82	0	0.0
Calanus finmarchicus C1	0	16.82	0	0.0
Calanus glacialis AF	45	16.82	268	0.4
Calanus glacialis AM	0	16.82	0	0.0
Calanus glacialis C5	1	16.82	6	0.0
Calanus glacialis C4	2	16.82	12	0.0
Calanus glacialis C3	0	16.82	0	0.0
Calanus glacialis C2	0	16.82	0	0.0
Calanus glacialis C1	0	16.82	0	0.0
Metridia longa AF	1	16.82	6	0.0
Metridia longa AM	0	16.82	0	0.0
Metridia longa C5	0	16.82	0	0.0
Metridia longa C4	0	16.82	0	0.0
Metridia longa C3, C2, C1	0	16.82	0	0.0
Pseudocalanus minutus AF	101	4.32	2337	3.6
Pseudocalanus minutus AM	0	16.82	0	0.0
Pseudocalanus minutus C5	59	16.82	351	0.5
Pseudocalanus minutus C4	54	16.82	321	0.5
Pseudocalanus spp. C3, C2, C1	10	16.82	59	0.1
Scolecithricella sp. all	3	16.82	18	0.0
Other large copepods (> 2mm)	0	16.82	0	0.0
Other small copepods (< 2mm)	0	16.82	0	0.0
Copepod nauplii	141	0.02	577869	890.1
Unid. calanoid copepods	65	0.42	15663	24.1
Microcalanus spp. AFM	57	16.82	339	0.5
Oithona spp. all	142	0.02	581967	896.4
Oncaea spp. all	1	1.20	84	0.1
Harpacticoids all	2	16.82	12	0.0
Appendicularians	34	1.20	2842	4.4
Amphipods	21	16.82	125	0.2
Ostracods	1	16.82	6	0.0
Gelatinous zooplankton	0	16.82	0	0.0
Misc. Invert. larvae	0	16.82	0	0.0
Other zooplankton	20	16.82	119	0.2
Euphausiid adults	0	16.82	0	0.0
Euphausiid adolescents	0	16.82	0	0.0
Euphausiid furcillae	2	16.82	12	0.0
Euphausiid calyptopes	0	16.82	0	0.0
Euphausiid nauplii	0	16.82	0	0.0
Chaetognaths, juvenile	4	16.82	24	0.0
Eukrohnia hamata, adults	0	16.82	0	0.0
Sagitta elegans, adults	0	16.82	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 037
 Ship: HAKON MOSBY Net type: 1 m
 Station: 021 Net mesh: 118 um
 Date: 4-2-87 Haul depth: 257-0 m
 Time: 0130
 Latitude: 78 07.6 N Volume
 Longitude: 01 07.6 W filtered: 440

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	34	5.25	685	1.6
Calanus hyperboreus AM	0	5.25	0	0.0
Calanus hyperboreus C5	2	5.25	38	0.1
Calanus hyperboreus C4	0	5.25	0	0.0
Calanus hyperboreus C3	0	5.25	0	0.0
Calanus hyperboreus C2	0	5.25	0	0.0
Calanus hyperboreus C1	0	5.25	0	0.0
Calanus finmarchicus AF	42	3.13	1347	3.1
Calanus finmarchicus AM	24	5.25	457	1.0
Calanus finmarchicus C5	87	2.12	4136	9.4
Calanus finmarchicus C4	64	2.12	3013	6.8
Calanus finmarchicus C3	1	5.25	19	0.0
Calanus finmarchicus C2	0	5.25	0	0.0
Calanus finmarchicus C1	0	5.25	0	0.0
Calanus glacialis AF	7	3.13	224	0.5
Calanus glacialis AM	0	5.25	0	0.0
Calanus glacialis C5	0	5.25	0	0.0
Calanus glacialis C4	7	5.25	133	0.3
Calanus glacialis C3	1	5.25	19	0.0
Calanus glacialis C2	0	5.25	0	0.0
Calanus glacialis C1	0	5.25	0	0.0
Metridia longa AF	48	2.12	2260	5.1
Metridia longa AM	0	5.25	0	0.0
Metridia longa C5	9	5.25	171	0.4
Metridia longa C4	0	1.56	0	0.0
Metridia longa C3, C2, C1	0	1.56	0	0.0
Pseudocalanus minutus AF	45	0.56	8014	18.2
Pseudocalanus minutus AM	0	5.25	0	0.0
Pseudocalanus minutus C5	12	2.21	542	1.2
Pseudocalanus minutus C4	2	2.12	94	0.2
Pseudocalanus spp. C3, C2, C1	2	2.12	94	0.2
Scolecithricella sp. all	5	2.12	235	0.5
Other large copepods (> 2mm)	2	2.12	94	0.2
Other small copepods (< 2mm)	0	2.12	0	0.0
Copepod nauplii	72	0.02	295082	670.6
Unid. calanoid copepodids	70	0.17	40960	93.1
Microcalanus spp. AFM	45	2.12	2119	4.8
Oithona spp. all	73	0.01	598361	1359.9
Oncaea spp. all	15	2.12	706	1.6
Harpacticoids all	3	2.12	141	0.3
Appendicularians	1	2.12	47	0.1
Amphipods	10	2.12	471	1.1
Ostracods	18	2.12	847	1.9
Gelatinous zooplankton	0	2.12	0	0.0
Misc. Invert. larvae	0	2.12	0	0.0
Other zooplankton	3	2.12	141	0.3
Euphausiid adults	2	2.12	94	0.2
Euphausiid adolescents	2	2.12	94	0.2
Euphausiid furcillae	0	2.12	0	0.0
Euphausiid calyptopes	0	2.12	0	0.0
Euphausiid nauplii	0	2.12	0	0.0
Chaetognaths, juvenile	12	2.12	565	1.3
Eukrohnia hamata, adults	3	2.12	141	0.3
Sagitta elegans, adults	0	2.12	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 038
 Ship: HAKON MOSBY Net type: 1 m
 Station: 021 Net mesh: 118 um
 Date: 4-2-87 Haul depth: 106-0 m
 Time: 0220
 Latitude: 78 06.9 N Volume
 Longitude: 01 05.8 W filtered: 136

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	2	33.81	6	0.0
Calanus hyperboreus AM	0	8.81	0	0.0
Calanus hyperboreus C5	0	8.81	0	0.0
Calanus hyperboreus C4	0	8.81	0	0.0
Calanus hyperboreus C3	0	8.81	0	0.0
Calanus hyperboreus C2	0	8.81	0	0.0
Calanus hyperboreus C1	0	8.81	0	0.0
Calanus finmarchicus AF	6	8.81	68	0.5
Calanus finmarchicus AM	3	8.81	34	0.3
Calanus finmarchicus C5	5	8.81	57	0.4
Calanus finmarchicus C4	10	8.81	113	0.8
Calanus finmarchicus C3	0	8.81	0	0.0
Calanus finmarchicus C2	0	8.81	0	0.0
Calanus finmarchicus C1	0	8.81	0	0.0
Calanus glacialis AF	17	8.81	193	1.4
Calanus glacialis AM	0	8.81	0	0.0
Calanus glacialis C5	0	8.81	0	0.0
Calanus glacialis C4	6	8.81	68	0.5
Calanus glacialis C3	0	8.81	0	0.0
Calanus glacialis C2	0	8.81	0	0.0
Calanus glacialis C1	0	8.81	0	0.0
Metridia longa AF	14	8.81	159	1.2
Metridia longa AM	0	8.81	0	0.0
Metridia longa C5	0	8.81	0	0.0
Metridia longa C4	0	8.81	0	0.0
Metridia longa C3, C2, C1	0	2.56	0	0.0
Pseudocalanus minutus AF	49	2.56	1912	14.1
Pseudocalanus minutus AM	0	2.56	0	0.0
Pseudocalanus minutus C5	14	2.56	546	4.0
Pseudocalanus minutus C4	2	2.56	78	0.6
Pseudocalanus spp. C3, C2, C1	7	2.56	273	2.0
Scolecithricella sp. all	0	2.56	0	0.0
Other large copepods (> 2mm)	0	2.56	0	0.0
Other small copepods (< 2mm)	0	2.56	0	0.0
Copepod nauplii	115	0.02	471311	3465.5
Unid. calanoid copepodids	64	0.22	29131	214.2
Microcalanus spp. AFM	25	2.56	975	7.2
Oithona spp. all	165	0.02	676230	4972.3
Oncaea spp. all	1	2.56	39	0.3
Harpacticoids all	1	2.56	39	0.3
Appendicularians	50	1.01	4955	36.4
Amphipods	3	2.56	117	0.9
Ostracods	1	8.81	11	0.1
Gelatinous zooplankton	0	2.56	0	0.0
Misc. Invert. larvae	0	2.56	0	0.0
Other zooplankton	1	2.56	39	0.3
Euphausiid adults	1	2.56	39	0.3
Euphausiid adolescents	0	2.56	0	0.0
Euphausiid furcillae	0	2.56	0	0.0
Euphausiid calyptopes	0	2.56	0	0.0
Euphausiid nauplii	0	2.56	0	0.0
Chaetognaths, juvenile	3	2.56	117	0.9
Eukrohnia hamata, adults	0	2.56	0	0.0
Sagitta elegans, adults	0	2.56	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 039
 Ship: HAKON MOSBY Net type: 1 m
 Station: 022 Net mesh: 118 um
 Date: 4-2-87 Haul depth: 150-0 m
 Time: 0500
 Latitude: 78 04.5 N Volume
 Longitude: 01 29.5 W filtered: 981.9

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M^3
Calanus hyperboreus AF	0	7.59	5	0.0
Calanus hyperboreus AM	0	7.59	0	0.0
Calanus hyperboreus C5	0	7.59	0	0.0
Calanus hyperboreus C4	0	7.59	0	0.0
Calanus hyperboreus C3	0	7.59	0	0.0
Calanus hyperboreus C2	0	7.59	0	0.0
Calanus hyperboreus C1	0	7.59	0	0.0
Calanus finmarchicus AF	83	7.59	1119	1.1
Calanus finmarchicus AM	5	7.59	66	0.1
Calanus finmarchicus C5	142	7.59	1870	1.9
Calanus finmarchicus C4	79	7.59	1040	1.1
Calanus finmarchicus C3	1	7.59	13	0.0
Calanus finmarchicus C2	0	7.59	0	0.0
Calanus finmarchicus C1	0	7.59	0	0.0
Calanus glacialis AF	58	7.59	779	0.8
Calanus glacialis AM	0	7.59	0	0.0
Calanus glacialis C5	0	7.59	0	0.0
Calanus glacialis C4	11	7.59	145	0.1
Calanus glacialis C3	0	7.59	0	0.0
Calanus glacialis C2	0	7.59	0	0.0
Calanus glacialis C1	0	7.59	0	0.0
Metridia longa AF	1	7.59	13	0.0
Metridia longa AM	0	7.59	0	0.0
Metridia longa C5	0	7.59	0	0.0
Metridia longa C4	0	7.59	0	0.0
Metridia longa C3, C2, C1	0	1.34	0	0.0
Pseudocalanus minutus AF	125	1.34	9310	9.5
Pseudocalanus minutus AM	0	1.34	0	0.0
Pseudocalanus minutus C5	11	1.34	819	0.8
Pseudocalanus minutus C4	10	1.34	745	0.8
Pseudocalanus spp. C3, C2, C1	5	1.34	372	0.4
Scolecithricella sp. all	1	1.34	74	0.1
Other large copepods (> 2mm)	0	1.34	0	0.0
Other small copepods (< 2mm)	0	1.34	0	0.0
Copepod nauplii	125	0.02	512295	521.7
Unid. calanoid copepodids	60	0.17	35108	35.8
Microcalanus spp. AFM	15	1.34	1117	1.1
Oithona spp. all	159	0.02	651639	663.7
Oncaea spp. all	2	1.34	149	0.2
Harpacticoids all	1	1.34	74	0.1
Appendicularians	6	1.34	447	0.5
Amphipods	4	1.34	298	0.3
Ostracods	1	7.59	13	0.0
Gelatinous zooplankton	0	1.34	0	0.0
Misc. invert. larvae	0	1.34	0	0.0
Other zooplankton	4	7.59	53	0.1
Euphausiid adults	2	7.59	26	0.0
Euphausiid adolescents	0	7.59	0	0.0
Euphausiid furcillae	0	1.34	0	0.0
Euphausiid calyptopes	0	1.34	0	0.0
Euphausiid nauplii	0	1.34	0	0.0
Chaetognaths, juvenile	2	7.59	26	0.0
Eukrohnia hamata, adults	0	7.59	0	0.0
Sagitta elegans, adults	0	7.59	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 040
 Ship: HAKON MOSBY Net type: 1 m
 Station: 022 Net mesh: 118 um
 Date: 4-2-87 Haul depth: 100-0 m
 Time: 0540
 Latitude: 78 05.5 N Volume
 Longitude: 01 34.7 W filtered: 378.1

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	14.67	0	0.0
Calanus hyperboreus AM	0	14.67	0	0.0
Calanus hyperboreus C5	0	14.67	0	0.0
Calanus hyperboreus C4	0	14.67	0	0.0
Calanus hyperboreus C3	0	14.67	0	0.0
Calanus hyperboreus C2	0	14.67	0	0.0
Calanus hyperboreus C1	0	14.67	0	0.0
Calanus finmarchicus AF	38	14.67	259	0.7
Calanus finmarchicus AM	0	14.67	0	0.0
Calanus finmarchicus C5	26	14.67	177	0.5
Calanus finmarchicus C4	8	14.67	55	0.1
Calanus finmarchicus C3	1	14.67	7	0.0
Calanus finmarchicus C2	0	14.67	0	0.0
Calanus finmarchicus C1	0	14.67	0	0.0
Calanus glacialis AF	40	14.67	273	0.7
Calanus glacialis AM	0	14.67	0	0.0
Calanus glacialis C5	0	14.67	0	0.0
Calanus glacialis C4	4	14.67	27	0.1
Calanus glacialis C3	0	14.67	0	0.0
Calanus glacialis C2	0	14.67	0	0.0
Calanus glacialis C1	0	14.67	0	0.0
Metridia longa AF	0	14.67	0	0.0
Metridia longa AM	0	14.67	0	0.0
Metridia longa C5	0	14.67	0	0.0
Metridia longa C4	0	14.67	0	0.0
Metridia longa C3, C2, C1	0	8.42	0	0.0
Pseudocalanus minutus AF	44	8.42	522	1.4
Pseudocalanus minutus AM	0	8.42	0	0.0
Pseudocalanus minutus C5	13	8.42	154	0.4
Pseudocalanus minutus C4	10	8.42	119	0.3
Pseudocalanus spp. C3, C2, C1	2	8.42	24	0.1
Scolecithricella sp. all	0	8.42	0	0.0
Other large copepods (> 2mm)	0	8.42	0	0.0
Other small copepods (< 2mm)	0	8.42	0	0.0
Copepod nauplii	49	0.02	200820	531.1
Unid. calanoid copepodids	76	2.17	3498	9.3
Microcalanus spp. AFM	18	8.42	214	0.6
Oithona spp. all	126	0.02	516393	1365.8
Oncaea spp. all	1	8.42	12	0.0
Harpacticoids all	1	8.42	12	0.0
Appendicularians	48	8.42	570	1.5
Amphipods	6	14.67	41	0.1
Ostracods	0	8.42	0	0.0
Gelatinous zooplankton	0	8.42	0	0.0
Misc. Invert. larvae	0	8.42	0	0.0
Other zooplankton	6	8.42	71	0.2
Euphausiid adults	15	14.67	102	0.3
Euphausiid adolescents	4	14.67	27	0.1
Euphausiid furcillae	0	8.42	0	0.0
Euphausiid calyptopes	0	8.42	0	0.0
Euphausiid nauplii	0	8.42	0	0.0
Chaetognaths, juvenile	1	14.67	7	0.0
Eukrohnia hamata, adults	0	8.42	0	0.0
Sagitta elegans, adults	0	8.42	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 041
 Ship: HAKON MOSBY Net type: 1 m
 Station: 023 Net mesh: 118 um
 Date: 4-2-87 Haul depth: 169-0 m
 Time: 0845
 Latitude: 78 00.6 N Volume
 Longitude: 02 06.5 W filtered: 1438.2

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	2.66	0	0.0
Calanus hyperboreus AM	0	2.66	0	0.0
Calanus hyperboreus C5	0	2.66	0	0.0
Calanus hyperboreus C4	0	2.66	0	0.0
Calanus hyperboreus C3	0	2.66	0	0.0
Calanus hyperboreus C2	0	2.66	0	0.0
Calanus hyperboreus C1	0	2.66	0	0.0
Calanus finmarchicus AF	21	2.66	829	0.6
Calanus finmarchicus AM	12	2.66	451	0.3
Calanus finmarchicus C5	51	1.10	4712	3.3
Calanus finmarchicus C4	55	1.10	5006	3.5
Calanus finmarchicus C3	2	2.66	75	0.1
Calanus finmarchicus C2	0	2.66	0	0.0
Calanus finmarchicus C1	0	2.66	0	0.0
Calanus glacialis AF	28	2.66	1052	0.7
Calanus glacialis AM	0	2.66	0	0.0
Calanus glacialis C5	1	2.66	38	0.0
Calanus glacialis C4	0	2.66	0	0.0
Calanus glacialis C3	0	2.66	0	0.0
Calanus glacialis C2	0	2.66	0	0.0
Calanus glacialis C1	0	2.66	0	0.0
Metridia longa AF	0	2.66	0	0.0
Metridia longa AM	0	2.66	0	0.0
Metridia longa C5	0	2.66	0	0.0
Metridia longa C4	0	2.66	0	0.0
Metridia longa C3, C2, C1	0	1.10	0	0.0
Pseudocalanus minutus AF	45	1.10	4096	2.8
Pseudocalanus minutus AM	0	1.10	0	0.0
Pseudocalanus minutus C5	6	1.10	546	0.4
Pseudocalanus minutus C4	9	1.10	819	0.6
Pseudocalanus spp. C3, C2, C1	13	1.10	1183	0.8
Scolecithricella sp. all	1	1.10	91	0.1
Other large copepods (> 2mm)	0	1.10	0	0.0
Other small copepods (< 2mm)	0	1.10	0	0.0
Copepod nauplii	98	0.02	401639	279.3
Unid. calanoid copepodids	89	0.32	28040	19.5
Microcalanus spp. AFM	21	1.10	1912	1.3
Olithona spp. all	108	0.02	442623	307.8
Oncaea spp. all	7	1.10	637	0.4
Harpacticoids all	0	1.10	0	0.0
Appendicularians	11	1.10	1001	0.7
Amphipods	4	1.10	364	0.3
Ostracods	3	1.10	273	0.2
Gelatinous zooplankton	0	1.10	0	0.0
Misc. invert. larvae	0	1.10	0	0.0
Other zooplankton	3	1.10	273	0.2
Euphausiid adults	0	2.66	0	0.0
Euphausiid adolescents	0	2.66	0	0.0
Euphausiid furcillae	0	1.10	0	0.0
Euphausiid calyptopes	0	1.10	0	0.0
Euphausiid nauplii	0	1.10	0	0.0
Chaetognaths, juvenile	4	1.10	364	0.3
Eukrohnia hamata, adults	0	2.66	0	0.0
Sagitta elegans, adults	0	2.66	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 042
 Ship: HAKON MOSBY Net type: 1 m
 Station: 023 Net mesh: 118 um
 Date: 4-2-87 Haul depth: 91-0 m
 Time: 0923
 Latitude: 78 01.2 N Volume
 Longitude: 02 12.7 W filtered: 462.1

Taxonomic Category	Number Counted	Percent Counted	No. in Sample	No./M ³
Calanus hyperboreus AF	0	9.03	0	0.0
Calanus hyperboreus AM	0	9.03	0	0.0
Calanus hyperboreus C5	0	9.03	0	0.0
Calanus hyperboreus C4	0	9.03	0	0.0
Calanus hyperboreus C3	0	9.03	0	0.0
Calanus hyperboreus C2	0	9.03	0	0.0
Calanus hyperboreus C1	0	9.03	0	0.0
Calanus finmarchicus AF	28	9.03	310	0.7
Calanus finmarchicus AM	0	9.03	0	0.0
Calanus finmarchicus C5	25	9.03	277	0.6
Calanus finmarchicus C4	14	9.03	155	0.3
Calanus finmarchicus C3	1	9.03	11	0.0
Calanus finmarchicus C2	0	9.03	0	0.0
Calanus finmarchicus C1	0	9.03	0	0.0
Calanus glacialis AF	44	9.03	487	1.1
Calanus glacialis AM	0	9.03	0	0.0
Calanus glacialis C5	0	9.03	0	0.0
Calanus glacialis C4	0	9.03	0	0.0
Calanus glacialis C3	0	9.03	0	0.0
Calanus glacialis C2	0	9.03	0	0.0
Calanus glacialis C1	0	9.03	0	0.0
Metridia longa AF	0	9.03	0	0.0
Metridia longa AM	0	9.03	0	0.0
Metridia longa C5	0	9.03	0	0.0
Metridia longa C4	0	9.03	0	0.0
Metridia longa C3, C2, C1	0	2.78	0	0.0
Pseudocalanus minutus AF	26	2.78	934	2.0
Pseudocalanus minutus AM	0	2.78	0	0.0
Pseudocalanus minutus C5	11	2.78	395	0.9
Pseudocalanus minutus C4	19	2.78	683	1.5
Pseudocalanus spp. C3, C2, C1	25	2.78	898	1.9
Scolecithricella sp. all	0	2.78	0	0.0
Other large copepods (> 2mm)	0	2.78	0	0.0
Other small copepods (< 2mm)	0	2.78	0	0.0
Copepod nauplii	106	0.05	217213	470.1
Unid. calanoid copepodids	49	2.78	1761	3.8
Microcalanus spp. AFM	0	2.78	0	0.0
Oithona spp. all	102	0.05	209016	452.3
Oncaea spp. all	1	2.78	36	0.1
Harpacticoids all	1	2.78	36	0.1
Appendicularians	30	2.78	1078	2.3
Amphipods	14	9.03	155	0.3
Ostracods	0	2.78	0	0.0
Gelatinous zooplankton	0	2.78	0	0.0
Misc. Invert. larvae	0	2.78	0	0.0
Other zooplankton	23	2.78	826	1.8
Euphausiid adults	12	9.03	133	0.3
Euphausiid adolescents	4	9.03	44	0.1
Euphausiid furcillae	0	2.78	0	0.0
Euphausiid calyptopes	0	2.78	0	0.0
Euphausiid nauplii	0	2.78	0	0.0
Chaetognaths, juvenile	2	9.03	22	0.0
Eukrohnia hamata, adults	0	9.03	0	0.0
Sagitta elegans, adults	0	9.03	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 045
 Ship: HAKON MOSBY Net type: 1 m
 Station: 024 Net mesh: 118 um
 Date: 4-2-87 Haul depth: 500-0 m
 Time: 1845
 Latitude: 78 28.5 N Volume
 Longitude: 01 22.9 W filtered: 2627.1

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	88	0.74	11818	4.5
Calanus hyperboreus AM	0	0.74	0	0.0
Calanus hyperboreus C5	13	0.74	1746	0.7
Calanus hyperboreus C4	5	0.74	672	0.3
Calanus hyperboreus C3	1	0.74	134	0.1
Calanus hyperboreus C2	0	0.74	0	0.0
Calanus hyperboreus C1	0	0.74	0	0.0
Calanus finmarchicus AF	39	0.74	5238	2.0
Calanus finmarchicus AM	50	0.74	6715	2.6
Calanus finmarchicus C5	99	0.16	62382	23.7
Calanus finmarchicus C4	88	0.16	55451	21.1
Calanus finmarchicus C3	1	0.74	134	0.1
Calanus finmarchicus C2	0	0.74	0	0.0
Calanus finmarchicus C1	0	0.74	0	0.0
Calanus glacialis AF	34	0.74	4566	1.7
Calanus glacialis AM	0	0.74	0	0.0
Calanus glacialis C5	0	0.74	0	0.0
Calanus glacialis C4	0	0.74	0	0.0
Calanus glacialis C3	0	0.74	0	0.0
Calanus glacialis C2	0	0.74	0	0.0
Calanus glacialis C1	0	0.74	0	0.0
Metridia longa AF	77	0.74	10341	3.9
Metridia longa AM	6	0.74	806	0.3
Metridia longa C5	31	0.74	4163	1.6
Metridia longa C4	44	0.74	5909	2.2
Metridia longa C3, C2, C1	2	0.74	269	0.1
Pseudocalanus minutus AF	65	0.74	8730	3.3
Pseudocalanus minutus AM	1	0.74	134	0.1
Pseudocalanus minutus C5	12	0.74	1612	0.6
Pseudocalanus minutus C4	0	0.74	0	0.0
Pseudocalanus spp. C3, C2, C1	0	0.74	0	0.0
Scolecithricella sp. all	0	0.74	0	0.0
Other large copepods (> 2mm)	13	0.74	1746	0.7
Other small copepods (< 2mm)	4	0.74	537	0.2
Copepod nauplii	53	0.06	86885	33.1
Unid. calanoid copepodids	54	0.06	88525	33.7
Microcalanus spp. AFM	105	0.74	14102	5.4
Oithona spp. all	58	0.01	475410	181.0
Oncaea spp. all	47	0.35	13277	5.1
Harpacticoids all	0	0.74	0	0.0
Appendicularians	0	0.74	0	0.0
Amphipods	3	0.74	403	0.2
Ostracods	51	0.74	6849	2.6
Gelatinous zooplankton	5	0.74	672	0.3
Misc. Invert. larvae	0	0.74	0	0.0
Other zooplankton	0	0.74	0	0.0
Euphausiid adults	0	0.74	0	0.0
Euphausiid adolescents	1	0.74	134	0.1
Euphausiid furcillae	0	0.74	0	0.0
Euphausiid calyptopes	0	0.74	0	0.0
Euphausiid nauplii	1	0.74	134	0.1
Chaetognaths, juvenile	85	0.74	11416	4.3
Eukrohnia hamata, adults	1	0.74	134	0.1
Sagitta elegans, adults	3	0.74	403	0.2

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 046
 Ship: HAKON MOSBY Net type: 1 m
 Station: 025 Net mesh: 118 um
 Date: 4-3-87 Haul depth: 206-0 m
 Time: 0100
 Latitude: 78 29.6 N Volume
 Longitude: 02 31.1 W filtered: 1368.3

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	4	3.83	104	0.1
Calanus hyperboreus AM	0	3.83	0	0.0
Calanus hyperboreus C5	0	3.83	0	0.0
Calanus hyperboreus C4	1	3.83	26	0.0
Calanus hyperboreus C3	1	3.83	26	0.0
Calanus hyperboreus C2	0	3.83	0	0.0
Calanus hyperboreus C1	0	3.83	0	0.0
Calanus finmarchicus AF	39	0.71	5508	4.0
Calanus finmarchicus AM	58	3.83	1513	1.1
Calanus finmarchicus C5	110	0.71	15537	11.4
Calanus finmarchicus C4	81	0.71	11441	8.4
Calanus finmarchicus C3	9	3.83	235	0.2
Calanus finmarchicus C2	0	3.83	0	0.0
Calanus finmarchicus C1	0	3.83	0	0.0
Calanus glacialis AF	23	0.71	3249	2.4
Calanus glacialis AM	0	3.83	0	0.0
Calanus glacialis C5	1	3.83	26	0.0
Calanus glacialis C4	3	3.83	78	0.1
Calanus glacialis C3	0	3.83	0	0.0
Calanus glacialis C2	0	3.83	0	0.0
Calanus glacialis C1	0	3.83	0	0.0
Metridia longa AF	58	3.83	1513	1.1
Metridia longa AM	0	3.83	0	0.0
Metridia longa C5	0	3.83	0	0.0
Metridia longa C4	0	3.83	0	0.0
Metridia longa C3, C2, C1	0	3.83	0	0.0
Pseudocalanus minutus AF	124	3.83	3235	2.4
Pseudocalanus minutus AM	1	3.83	26	0.0
Pseudocalanus minutus C5	9	3.83	235	0.2
Pseudocalanus minutus C4	6	3.83	157	0.1
Pseudocalanus spp. C3, C2, C1	8	3.83	209	0.2
Scolecithricella sp. all	12	3.83	313	0.2
Other large copepods (> 2mm)	9	3.83	235	0.2
Other small copepods (< 2mm)	0	3.83	0	0.0
Copepod nauplii	78	0.02	319672	233.6
Unid. calanoid copepodids	40	0.12	32760	23.9
Microcalanus spp. AFM	8	3.83	209	0.2
Oithona spp. all	58	0.01	475410	347.4
Oncaea spp. all	6	3.83	157	0.1
Harpacticoids all	4	3.83	104	0.1
Appendicularians	0	3.83	0	0.0
Amphipods	5	3.83	130	0.1
Ostracods	16	3.83	417	0.3
Gelatinous zooplankton	0	3.83	0	0.0
Misc. Invert. larvae	0	3.83	0	0.0
Other zooplankton	1	3.83	26	0.0
Euphausiid adults	6	3.83	157	0.1
Euphausiid adolescents	10	3.83	261	0.2
Euphausiid furcillae	0	3.83	0	0.0
Euphausiid calyptopes	0	3.83	0	0.0
Euphausiid nauplii	0	3.83	0	0.0
Chaetognaths, juvenile	49	3.83	1278	0.9
Eukrohnia hamata, adults	14	3.83	365	0.3
Sagitta elegans, adults	2	3.83	52	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 047
 Ship: HAKON MOSBY Net type: 1 m
 Station: 025 Net mesh: 118 um
 Date: 4-3-87 Haul depth: 115-0 m
 Time: 0135
 Latitude: 78 29.9 N Volume
 Longitude: 02 36.8 W filtered: 729.7

Taxonomic Category	Number Counted	Percent Counted	No. in Sample	No./M ³
Calanus hyperboreus AF	0	5.30	0	0.0
Calanus hyperboreus AM	0	5.30	0	0.0
Calanus hyperboreus C5	0	5.30	0	0.0
Calanus hyperboreus C4	0	5.30	0	0.0
Calanus hyperboreus C3	0	5.30	0	0.0
Calanus hyperboreus C2	0	5.30	0	0.0
Calanus hyperboreus C1	0	5.30	0	0.0
Calanus finmarchicus AF	94	5.30	1799	2.5
Calanus finmarchicus AM	20	5.30	378	0.5
Calanus finmarchicus C5	98	5.30	1850	2.5
Calanus finmarchicus C4	93	5.30	1755	2.4
Calanus finmarchicus C3	2	5.30	38	0.1
Calanus finmarchicus C2	0	5.30	0	0.0
Calanus finmarchicus C1	0	5.30	0	0.0
Calanus glacialis AF	32	5.30	619	0.8
Calanus glacialis AM	0	5.30	0	0.0
Calanus glacialis C5	5	5.30	94	0.1
Calanus glacialis C4	0	5.30	0	0.0
Calanus glacialis C3	0	5.30	0	0.0
Calanus glacialis C2	0	5.30	0	0.0
Calanus glacialis C1	0	5.30	0	0.0
Metridia longa AF	37	5.30	698	1.0
Metridia longa AM	0	5.30	0	0.0
Metridia longa C5	0	5.30	0	0.0
Metridia longa C4	0	5.30	0	0.0
Metridia longa C3, C2, C1	0	2.17	0	0.0
Pseudocalanus minutus AF	24	2.17	1105	1.5
Pseudocalanus minutus AM	0	2.17	0	0.0
Pseudocalanus minutus C5	7	2.17	322	0.4
Pseudocalanus minutus C4	1	2.17	46	0.1
Pseudocalanus spp. C3, C2, C1	3	2.17	138	0.2
Scolecithricella sp. all	3	2.17	138	0.2
Other large copepods (> 2mm)	1	5.30	19	0.0
Other small copepods (< 2mm)	0	2.17	0	0.0
Copepod nauplii	45	0.02	184426	252.7
Unid. calanoid copepodids	52	0.61	8520	11.7
Microcalanus spp. AFM	6	2.17	276	0.4
Oithona spp. all	84	0.02	344262	471.8
Oncaea spp. all	0	2.17	0	0.0
Harpacticoids all	1	2.17	46	0.1
Appendicularians	16	2.17	736	1.0
Amphipods	14	5.30	264	0.4
Ostracods	8	5.30	151	0.2
Gelatinous zooplankton	0	2.17	0	0.0
Misc. Invert. larvae	0	2.17	0	0.0
Other zooplankton	3	2.17	138	0.2
Euphausiid adults	2	5.30	38	0.1
Euphausiid adolescents	0	5.30	0	0.0
Euphausiid furcillae	0	2.17	0	0.0
Euphausiid calyptopes	0	2.17	0	0.0
Euphausiid nauplii	0	2.17	0	0.0
Chaetognaths, juvenile	18	5.30	340	0.5
Eukrohnia hamata, adults	0	5.30	0	0.0
Sagitta elegans, adults	0	5.30	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 048
 Ship: HAKON MOSBY Net type: 1 m
 Station: 026 Net mesh: 118 um
 Date: 4-3-87 Haul depth: 169-0 m
 Time: 0425
 Latitude: 78 24.2 N Volume
 Longitude: 02 33.1 W filtered: 1131.8

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	5.88	0	0.0
Calanus hyperboreus AM	0	5.88	0	0.0
Calanus hyperboreus C5	0	5.88	0	0.0
Calanus hyperboreus C4	0	5.88	0	0.0
Calanus hyperboreus C3	0	5.88	0	0.0
Calanus hyperboreus C2	0	5.88	0	0.0
Calanus hyperboreus C1	0	5.88	0	0.0
Calanus finmarchicus AF	58	5.88	992	0.9
Calanus finmarchicus AM	10	5.88	170	0.2
Calanus finmarchicus C5	45	5.88	765	0.7
Calanus finmarchicus C4	21	5.88	357	0.3
Calanus finmarchicus C3	0	5.88	0	0.0
Calanus finmarchicus C2	0	5.88	0	0.0
Calanus finmarchicus C1	0	5.88	0	0.0
Calanus glacialis AF	58	5.88	986	0.9
Calanus glacialis AM	0	5.88	0	0.0
Calanus glacialis C5	0	5.88	0	0.0
Calanus glacialis C4	4	5.88	68	0.1
Calanus glacialis C3	0	5.88	0	0.0
Calanus glacialis C2	0	5.88	0	0.0
Calanus glacialis C1	0	5.88	0	0.0
Metridia longa AF	20	5.88	340	0.3
Metridia longa AM	0	5.88	0	0.0
Metridia longa C5	0	5.88	0	0.0
Metridia longa C4	0	5.88	0	0.0
Metridia longa C3, C2, C1	0	2.76	0	0.0
Pseudocalanus minutus AF	68	2.76	2465	2.2
Pseudocalanus minutus AM	0	2.76	0	0.0
Pseudocalanus minutus C5	5	2.76	181	0.2
Pseudocalanus minutus C4	9	2.76	326	0.3
Pseudocalanus spp. C3, C2, C1	5	2.76	181	0.2
Scolecithricella sp. all	2	2.76	72	0.1
Other large copepods (> 2mm)	0	2.76	0	0.0
Other small copepods (< 2mm)	0	2.76	0	0.0
Copepod nauplii	81	0.02	331967	293.3
Unid. calanoid copepodids	92	0.42	22169	19.6
Microcalanus spp. AFM	16	2.76	580	0.5
Oithona spp. all	133	0.02	545082	481.6
Oncaea spp. all	6	2.76	217	0.2
Harpacticoids all	10	2.76	362	0.3
Appendicularians	29	1.20	2424	2.1
Amphipods	2	2.76	72	0.1
Ostracods	2	2.76	72	0.1
Gelatinous zooplankton	0	2.76	0	0.0
Misc. Invert. larvae	0	2.76	0	0.0
Other zooplankton	4	2.76	145	0.1
Euphausiid adults	4	5.88	68	0.1
Euphausiid adolescents	0	5.88	0	0.0
Euphausiid furcillae	0	2.76	0	0.0
Euphausiid calyptopes	0	2.76	0	0.0
Euphausiid nauplii	0	2.76	0	0.0
Chaetognaths, juvenile	8	5.88	136	0.1
Eukrohnia hamata, adults	0	5.88	0	0.0
Sagitta elegans, adults	0	5.88	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 049
 Ship: HAKON MOSBY Net type: 1 m
 Station: 026 Net mesh: 118 um
 Date: 4-3-87 Haul depth: 109-0 m
 Time: 0455
 Latitude: 78 27.8 N Volume
 Longitude: 02 42.0 W filtered: 667.8

Taxonomic Category	Number Counted	Percent Counted	No. in Sample	No./M ³
Calanus hyperboreus AF	0	4.35	0	0.0
Calanus hyperboreus AM	0	4.35	0	0.0
Calanus hyperboreus C5	0	4.35	0	0.0
Calanus hyperboreus C4	0	4.35	0	0.0
Calanus hyperboreus C3	0	4.35	0	0.0
Calanus hyperboreus C2	0	4.35	0	0.0
Calanus hyperboreus C1	0	4.35	0	0.0
Calanus finmarchicus AF	49	4.35	1153	1.7
Calanus finmarchicus AM	0	4.35	0	0.0
Calanus finmarchicus C5	128	4.35	3521	5.3
Calanus finmarchicus C4	72	4.35	1657	2.5
Calanus finmarchicus C3	1	4.35	23	0.0
Calanus finmarchicus C2	0	4.35	0	0.0
Calanus finmarchicus C1	0	4.35	0	0.0
Calanus glacialis AF	30	4.35	690	1.0
Calanus glacialis AM	0	4.35	0	0.0
Calanus glacialis C5	0	4.35	0	0.0
Calanus glacialis C4	5	4.35	115	0.2
Calanus glacialis C3	1	4.35	23	0.0
Calanus glacialis C2	0	4.35	0	0.0
Calanus glacialis C1	0	4.35	0	0.0
Metridia longa AF	0	4.35	0	0.0
Metridia longa AM	0	4.35	0	0.0
Metridia longa C5	0	4.35	0	0.0
Metridia longa C4	0	4.35	0	0.0
Metridia longa C3, C2, C1	0	4.35	0	0.0
Pseudocalanus minutus AF	45	4.35	1036	1.6
Pseudocalanus minutus AM	1	4.35	23	0.0
Pseudocalanus minutus C5	13	4.35	299	0.4
Pseudocalanus minutus C4	18	4.35	414	0.6
Pseudocalanus spp. C3, C2, C1	13	4.35	299	0.4
Scolecithricella sp. all	1	4.35	23	0.0
Other large copepods (> 2mm)	0	4.35	0	0.0
Other small copepods (< 2mm)	0	4.35	0	0.0
Copepod nauplii	91	0.05	186475	279.2
Unid. calanoid copepodids	124	1.22	10159	15.2
Microcalanus spp. AFM	9	4.35	207	0.3
Oithona spp. all	123	0.05	252049	377.4
Oncaea spp. all	5	4.35	115	0.2
Harpacticoids all	9	4.35	207	0.3
Appendicularians	52	4.35	1197	1.8
Amphipods	2	4.35	46	0.1
Ostracods	0	4.35	0	0.0
Gelatinous zooplankton	0	4.35	0	0.0
Misc. Invert. larvae	0	4.35	0	0.0
Other zooplankton	9	4.35	207	0.3
Euphausiid adults	3	4.35	69	0.1
Euphausiid adolescents	1	4.35	23	0.0
Euphausiid furcillae	0	4.35	0	0.0
Euphausiid calyptopes	0	4.35	0	0.0
Euphausiid nauplii	0	4.35	0	0.0
Chaetognaths, juvenile	9	4.35	207	0.3
Eukrohnia hamata, adults	0	4.35	0	0.0
Sagitta elegans, adults	0	4.35	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 050
 Ship: HAKON MOSBY Net type: 1 m
 Station: 027 Net mesh: 118 um
 Date: 4-3-87 Haul depth: 188-0 m
 Time: 0817
 Latitude: 78 19.0 N Volume
 Longitude: 02 24.3 W filtered: 1365.1

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	1	0.37	273	0.2
Calanus hyperboreus AM	0	0.37	0	0.0
Calanus hyperboreus C5	0	0.37	0	0.0
Calanus hyperboreus C4	0	0.37	0	0.0
Calanus hyperboreus C3	0	0.37	0	0.0
Calanus hyperboreus C2	0	0.37	0	0.0
Calanus hyperboreus C1	0	0.37	0	0.0
Calanus finmarchicus AF	37	0.37	10104	7.4
Calanus finmarchicus AM	10	0.37	2731	2.0
Calanus finmarchicus C5	59	0.17	34523	25.3
Calanus finmarchicus C4	64	0.37	17477	12.8
Calanus finmarchicus C3	0	0.37	0	0.0
Calanus finmarchicus C2	0	0.37	0	0.0
Calanus finmarchicus C1	0	0.37	0	0.0
Calanus glacialis AF	6	0.37	1638	1.2
Calanus glacialis AM	0	0.37	0	0.0
Calanus glacialis C5	0	0.37	0	0.0
Calanus glacialis C4	0	0.37	0	0.0
Calanus glacialis C3	0	0.37	0	0.0
Calanus glacialis C2	0	0.37	0	0.0
Calanus glacialis C1	0	0.37	0	0.0
Metridia longa AF	0	0.37	0	0.0
Metridia longa AM	0	0.37	0	0.0
Metridia longa C5	0	0.37	0	0.0
Metridia longa C4	0	0.37	0	0.0
Metridia longa C3, C2, C1	0	0.37	0	0.0
Pseudocalanus minutus AF	6	0.37	1638	1.2
Pseudocalanus minutus AM	0	0.37	0	0.0
Pseudocalanus minutus C5	6	0.37	1638	1.2
Pseudocalanus minutus C4	3	0.37	819	0.6
Pseudocalanus spp. C3, C2, C1	0	0.37	0	0.0
Scolecithricella sp. all	1	0.37	273	0.2
Other large copepods (> 2mm)	0	0.37	0	0.0
Other small copepods (< 2mm)	1	0.37	273	0.2
Copepod nauplii	114	0.07	155738	114.1
Unid. calanoid copepodids	64	0.17	37449	27.4
Microcalanus spp. AFM	1	0.37	273	0.2
Olithona spp. all	53	0.02	217213	159.1
Oncaea spp. all	0	0.37	0	0.0
Harpacticoids all	1	0.37	273	0.2
Appendicularians	3	0.37	819	0.6
Amphipods	0	0.37	0	0.0
Ostracods	2	0.37	546	0.4
Gelatinous zooplankton	0	0.37	0	0.0
Misc. Invert. larvae	1	0.37	273	0.2
Other zooplankton	2	0.37	546	0.4
Euphausiid adults	0	0.37	0	0.0
Euphausiid adolescents	0	0.37	0	0.0
Euphausiid furcillae	1	0.37	273	0.2
Euphausiid calyptopes	0	0.37	0	0.0
Euphausiid nauplii	0	0.37	0	0.0
Chaetognaths, juvenile	5	0.37	1365	1.0
Eukrohnia hamata, adults	0	0.37	0	0.0
Sagitta elegans, adults	0	0.37	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 051
 Ship: HAKON MOSBY Net type: 1 m
 Station: 027 Net mesh: 118 um
 Date: 4-3-87 Haul depth: 131-0 m
 Time: 0852
 Latitude: 78 19.9 N Volume
 Longitude: 02 18.9 W filtered: 622

Taxonomic Category	Number Counted	Percent Counted	No. in Sample	No./M ³
Calanus hyperboreus AF	0	0.73	0	0.0
Calanus hyperboreus AM	0	0.73	0	0.0
Calanus hyperboreus C5	0	0.73	0	0.0
Calanus hyperboreus C4	0	0.73	0	0.0
Calanus hyperboreus C3	0	0.73	0	0.0
Calanus hyperboreus C2	0	0.73	0	0.0
Calanus hyperboreus C1	0	0.73	0	0.0
Calanus finmarchicus AF	38	0.73	5218	8.4
Calanus finmarchicus AM	3	0.73	410	0.7
Calanus finmarchicus C5	104	0.34	30497	49.0
Calanus finmarchicus C4	55	0.34	16091	25.9
Calanus finmarchicus C3	0	0.73	0	0.0
Calanus finmarchicus C2	0	0.73	0	0.0
Calanus finmarchicus C1	0	0.73	0	0.0
Calanus glacialis AF	9	0.73	1229	2.0
Calanus glacialis AM	0	0.73	0	0.0
Calanus glacialis C5	4	0.73	546	0.9
Calanus glacialis C4	1	0.73	137	0.2
Calanus glacialis C3	0	0.73	0	0.0
Calanus glacialis C2	0	0.73	0	0.0
Calanus glacialis C1	0	0.73	0	0.0
Metridia longa AF	0	0.73	0	0.0
Metridia longa AM	0	0.73	0	0.0
Metridia longa C5	0	0.73	0	0.0
Metridia longa C4	0	0.73	0	0.0
Metridia longa C3, C2, C1	0	0.73	0	0.0
Pseudocalanus minutus AF	8	0.73	1092	1.8
Pseudocalanus minutus AM	0	0.73	0	0.0
Pseudocalanus minutus C5	1	0.73	137	0.2
Pseudocalanus minutus C4	3	0.73	410	0.7
Pseudocalanus spp. C3, C2, C1	0	0.73	0	0.0
Scolecithricella sp. all	0	0.73	0	0.0
Other large copepods (> 2mm)	0	0.73	0	0.0
Other small copepods (< 2mm)	0	0.73	0	0.0
Copepod nauplii	58	0.05	118852	191.1
Unid. calanoid copepodids	71	0.34	20772	33.4
Microcalanus spp. AFM	10	0.73	1365	2.2
Oithona spp. all	88	0.05	180328	289.9
Oncaea spp. all	1	0.73	137	0.2
Harpacticoids all	4	0.73	546	0.9
Appendicularians	23	0.73	3140	5.0
Amphipods	0	0.73	0	0.0
Ostracods	3	0.73	410	0.7
Gelatinous zooplankton	2	0.73	273	0.4
Misc. Invert. larvae	0	0.73	0	0.0
Other zooplankton	3	0.73	410	0.7
Euphausiid adults	0	0.73	0	0.0
Euphausiid adolescents	0	0.73	0	0.0
Euphausiid furcillae	1	0.73	137	0.2
Euphausiid calyptopes	0	0.73	0	0.0
Euphausiid nauplii	0	0.73	0	0.0
Chaetognaths, juvenile	1	0.73	137	0.2
Eukrohnia hamata, adults	0	0.73	0	0.0
Sagitta elegans, adults	0	0.73	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 053
 Ship: HAKON MOSBY Net type: 1 m
 Station: 029 Net mesh: 118 um
 Date: 4-3-87 Haul depth: 156-0 m
 Time: 1500
 Latitude: 78 06.4 N Volume
 Longitude: 02 27.9 W filtered: 1566.2

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	0.33	0	0.0
Calanus hyperboreus AM	0	0.33	0	0.0
Calanus hyperboreus C5	0	0.33	0	0.0
Calanus hyperboreus C4	0	0.33	0	0.0
Calanus hyperboreus C3	0	0.33	0	0.0
Calanus hyperboreus C2	0	0.33	0	0.0
Calanus hyperboreus C1	0	0.33	0	0.0
Calanus finmarchicus AF	33	0.33	10022	6.4
Calanus finmarchicus AM	1	0.33	303	0.2
Calanus finmarchicus C5	96	0.33	29126	18.6
Calanus finmarchicus C4	50	0.33	15170	9.7
Calanus finmarchicus C3	1	0.33	303	0.2
Calanus finmarchicus C2	0	0.33	0	0.0
Calanus finmarchicus C1	0	0.33	0	0.0
Calanus glacialis AF	8	0.33	2427	1.5
Calanus glacialis AM	0	0.33	0	0.0
Calanus glacialis C5	3	0.33	910	0.6
Calanus glacialis C4	1	0.33	303	0.2
Calanus glacialis C3	0	0.33	0	0.0
Calanus glacialis C2	0	0.33	0	0.0
Calanus glacialis C1	0	0.33	0	0.0
Metridia longa AF	0	0.33	0	0.0
Metridia longa AM	0	0.33	0	0.0
Metridia longa C5	0	0.33	0	0.0
Metridia longa C4	0	0.33	0	0.0
Metridia longa C3, C2, C1	0	0.33	0	0.0
Pseudocalanus minutus AF	11	0.33	3337	2.1
Pseudocalanus minutus AM	0	0.33	0	0.0
Pseudocalanus minutus C5	7	0.33	2124	1.4
Pseudocalanus minutus C4	4	0.33	1214	0.8
Pseudocalanus spp. C3, C2, C1	3	0.33	910	0.6
Scolecithricella sp. all	0	0.33	0	0.0
Other large copepods (> 2mm)	0	0.33	0	0.0
Other small copepods (< 2mm)	0	0.33	0	0.0
Copepod nauplii	53	0.01	434426	277.4
Unid. calanoid copepodids	80	0.13	59568	38.0
Microcalanus spp. AFM	4	0.33	1214	0.8
Olithona spp. all	70	0.01	573770	366.3
Oncaea spp. all	0	0.33	0	0.0
Harpacticoids all	2	0.33	607	0.4
Appendicularians	52	0.33	15777	10.1
Amphipods	0	0.33	0	0.0
Ostracods	1	0.33	303	0.2
Gelatinous zooplankton	0	0.33	0	0.0
Misc. Invert. larvae	0	0.33	0	0.0
Other zooplankton	1	0.33	303	0.2
Euphausiid adults	1	0.33	303	0.2
Euphausiid adolescents	0	0.33	0	0.0
Euphausiid furcillae	0	0.33	0	0.0
Euphausiid calyptopes	0	0.33	0	0.0
Euphausiid nauplii	0	0.33	0	0.0
Chaetognaths, juvenile	4	0.33	1214	0.8
Eukrohnia hamata, adults	0	0.33	0	0.0
Sagitta elegans, adults	0	0.33	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 054
 Ship: HAKON MOSBY Net type: 1 m
 Station: 029 Net mesh: 118 um
 Date: 4-3-87 Haul depth: 106-0 m
 Time: 1540
 Latitude: 78 07.6 N Volume
 Longitude: 02 26.2 W filtered: 1473.7

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	3.09	0	0.0
Calanus hyperboreus AM	0	3.09	0	0.0
Calanus hyperboreus C5	0	3.09	0	0.0
Calanus hyperboreus C4	0	3.09	0	0.0
Calanus hyperboreus C3	0	3.09	0	0.0
Calanus hyperboreus C2	0	3.09	0	0.0
Calanus hyperboreus C1	0	3.09	0	0.0
Calanus finmarchicus AF	24	3.09	806	0.5
Calanus finmarchicus AM	2	3.09	65	0.0
Calanus finmarchicus C5	44	3.09	1525	1.0
Calanus finmarchicus C4	23	3.09	745	0.5
Calanus finmarchicus C3	2	3.09	65	0.0
Calanus finmarchicus C2	0	3.09	0	0.0
Calanus finmarchicus C1	0	3.09	0	0.0
Calanus glacialis AF	23	3.09	758	0.5
Calanus glacialis AM	0	3.09	0	0.0
Calanus glacialis C5	0	3.09	0	0.0
Calanus glacialis C4	3	3.09	97	0.1
Calanus glacialis C3	0	3.09	0	0.0
Calanus glacialis C2	0	3.09	0	0.0
Calanus glacialis C1	0	3.09	0	0.0
Metridia longa AF	0	3.09	0	0.0
Metridia longa AM	0	3.09	0	0.0
Metridia longa C5	0	3.09	0	0.0
Metridia longa C4	0	3.09	0	0.0
Metridia longa C3, C2, C1	0	3.09	0	0.0
Pseudocalanus minutus AF	19	1.53	1245	0.8
Pseudocalanus minutus AM	0	1.53	0	0.0
Pseudocalanus minutus C5	3	1.53	197	0.1
Pseudocalanus minutus C4	7	1.53	459	0.3
Pseudocalanus spp. C3, C2, C1	4	1.53	262	0.2
Scolecithricella sp. all	0	1.53	0	0.0
Other large copepods (> 2mm)	0	1.53	0	0.0
Other small copepods (< 2mm)	0	1.53	0	0.0
Copepod nauplii	72	0.01	590164	400.5
Unid. calanoid copepodids	48	0.16	30246	20.5
Microcalanus spp. AFM	7	1.53	459	0.3
Olithona spp. all	43	0.01	352459	239.2
Oncaea spp. all	0	1.53	0	0.0
Harpacticoids all	4	1.53	262	0.2
Appendicularians	57	1.53	3736	2.5
Amphipods	4	1.53	262	0.2
Ostracods	0	1.53	0	0.0
Gelatinous zooplankton	0	1.53	0	0.0
Misc. invert. larvae	0	1.53	0	0.0
Other zooplankton	24	1.53	1573	1.1
Euphausiid adults	0	1.53	0	0.0
Euphausiid adolescents	0	1.53	0	0.0
Euphausiid furcillae	1	1.53	66	0.0
Euphausiid calyptopes	0	1.53	0	0.0
Euphausiid nauplii	0	1.53	0	0.0
Chaetognaths, juvenile	2	1.53	131	0.1
Eukrohnia hamata, adults	0	1.53	0	0.0
Sagitta elegans, adults	0	1.53	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 055
 Ship: HAKON MOSBY Net type: 1 m
 Station: 031 Net mesh: 118 um
 Date: 4-3-87 Haul depth: 229-0 m
 Time: 2000
 Latitude: 77 55.1 N Volume
 Longitude: 02 09.5 W filtered: 1242.2

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	6	5.16	116	0.1
Calanus hyperboreus AM	0	5.16	0	0.0
Calanus hyperboreus C5	1	5.16	19	0.0
Calanus hyperboreus C4	0	5.16	0	0.0
Calanus hyperboreus C3	0	5.16	0	0.0
Calanus hyperboreus C2	0	5.16	0	0.0
Calanus hyperboreus C1	0	5.16	0	0.0
Calanus finmarchicus AF	56	2.04	2747	2.2
Calanus finmarchicus AM	18	5.16	349	0.3
Calanus finmarchicus C5	97	2.04	4758	3.8
Calanus finmarchicus C4	89	2.04	4366	3.5
Calanus finmarchicus C3	9	5.16	174	0.1
Calanus finmarchicus C2	0	5.16	0	0.0
Calanus finmarchicus C1	0	5.16	0	0.0
Calanus glacialis AF	21	2.04	1030	0.8
Calanus glacialis AM	0	5.16	0	0.0
Calanus glacialis C5	1	5.16	19	0.0
Calanus glacialis C4	2	5.16	39	0.0
Calanus glacialis C3	0	5.16	0	0.0
Calanus glacialis C2	0	5.16	0	0.0
Calanus glacialis C1	0	5.16	0	0.0
Metridia longa AF	63	5.16	1220	1.0
Metridia longa AM	0	5.16	0	0.0
Metridia longa C5	3	5.16	58	0.0
Metridia longa C4	0	5.16	0	0.0
Metridia longa C3, C2, C1	0	5.16	0	0.0
Pseudocalanus minutus AF	59	2.04	2894	2.3
Pseudocalanus minutus AM	1	2.04	49	0.0
Pseudocalanus minutus C5	24	2.04	1177	0.9
Pseudocalanus minutus C4	104	2.04	5102	4.1
Pseudocalanus spp. C3, C2, C1	37	2.04	1815	1.5
Scolecithricella sp. all	6	2.04	294	0.2
Other large copepods (> 2mm)	7	5.16	136	0.1
Other small copepods (< 2mm)	0	2.04	0	0.0
Copepod nauplii	57	0.01	467213	376.1
Unid. calanoid copepodids	52	0.09	60890	49.0
Microcalanus spp. AFM	23	2.04	1128	0.9
Oithona spp. all	72	0.01	590164	475.1
Oncaea spp. all	14	2.04	687	0.6
Harpacticoids all	4	2.04	196	0.2
Appendicularians	0	2.04	0	0.0
Amphipods	6	2.04	294	0.2
Ostracods	10	2.04	491	0.4
Gelatinous zooplankton	2	2.04	98	0.1
Misc. Invert. larvae	5	2.04	245	0.2
Other zooplankton	0	2.04	0	0.0
Euphausiid adults	2	2.04	98	0.1
Euphausiid adolescents	3	2.04	147	0.1
Euphausiid furcillae	0	2.04	0	0.0
Euphausiid calyptopes	0	2.04	0	0.0
Euphausiid nauplii	0	2.04	0	0.0
Chaetognaths, juvenile	11	2.04	540	0.4
Eukrohnia hamata, adults	0	2.04	0	0.0
Sagitta elegans, adults	0	2.04	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 056
 Ship: HAKON MOSBY Net type: 1 m
 Station: 031 Net mesh: 118 um
 Date: 4-3-87 Haul depth: 100-0 m
 Time: 2038
 Latitude: 77 56.2 N Volume
 Longitude: 02 06.2 W filtered: 635.4

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	0	9.11	2	0.0
Calanus hyperboreus AM	0	9.11	0	0.0
Calanus hyperboreus C5	0	9.11	0	0.0
Calanus hyperboreus C4	0	9.11	0	0.0
Calanus hyperboreus C3	0	9.11	0	0.0
Calanus hyperboreus C2	0	9.11	0	0.0
Calanus hyperboreus C1	0	9.11	0	0.0
Calanus finmarchicus AF	35	2.86	1459	2.3
Calanus finmarchicus AM	1	2.86	35	0.1
Calanus finmarchicus C5	36	2.86	1360	2.1
Calanus finmarchicus C4	20	2.86	700	1.1
Calanus finmarchicus C3	3	2.86	105	0.2
Calanus finmarchicus C2	0	2.86	0	0.0
Calanus finmarchicus C1	0	2.86	0	0.0
Calanus glacialis AF	22	2.86	907	1.4
Calanus glacialis AM	0	2.86	0	0.0
Calanus glacialis C5	2	2.86	70	0.1
Calanus glacialis C4	2	2.86	70	0.1
Calanus glacialis C3	0	2.86	0	0.0
Calanus glacialis C2	0	2.86	0	0.0
Calanus glacialis C1	0	2.86	0	0.0
Metridia longa AF	3	9.11	33	0.1
Metridia longa AM	0	2.86	0	0.0
Metridia longa C5	0	2.86	0	0.0
Metridia longa C4	0	2.86	0	0.0
Metridia longa C3, C2, C1	0	2.86	0	0.0
Pseudocalanus minutus AF	79	2.86	2766	4.4
Pseudocalanus minutus AM	0	2.86	0	0.0
Pseudocalanus minutus C5	5	2.86	175	0.3
Pseudocalanus minutus C4	6	2.86	210	0.3
Pseudocalanus spp. C3, C2, C1	6	2.86	210	0.3
Scolecithricella sp. all	1	2.86	35	0.1
Other large copepods (> 2mm)	0	2.86	0	0.0
Other small copepods (< 2mm)	0	2.86	0	0.0
Copepod nauplii	79	0.02	323770	509.6
Unid. calanoid copepodids	66	0.12	54054	85.1
Microcalanus spp. AFM	12	2.86	420	0.7
Oithona spp. all	77	0.02	315574	496.7
Oncaea spp. all	0	2.86	0	0.0
Harpacticoids all	1	2.86	35	0.1
Appendicularians	49	2.86	1715	2.7
Amphipods	7	9.11	77	0.1
Ostracods	0	2.86	0	0.0
Gelatinous zooplankton	0	2.86	0	0.0
Misc. Invert. larvae	0	2.86	0	0.0
Other zooplankton	16	2.86	560	0.9
Euphausiid adults	1	9.11	11	0.0
Euphausiid adolescents	0	9.11	0	0.0
Euphausiid furcillae	1	9.11	11	0.0
Euphausiid calyptopes	0	9.11	0	0.0
Euphausiid nauplii	0	9.11	0	0.0
Chaetognaths, juvenile	3	9.11	33	0.1
Eukrohnia hamata, adults	0	9.11	0	0.0
Sagitta elegans, adults	1	9.11	11	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 060
 Ship: HAKON MOSBY Net type: 1 m
 Station: 063 Net mesh: 118 um
 Date: 4-7-87 Haul depth: 194-0 m
 Time: 0000
 Latitude: 77 20.5 N Volume
 Longitude: 0 57.2 E filtered: 760

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	25	1.42	1766	2.3
Calanus hyperboreus AM	0	1.42	0	0.0
Calanus hyperboreus C5	0	1.42	0	0.0
Calanus hyperboreus C4	0	1.42	0	0.0
Calanus hyperboreus C3	0	1.42	0	0.0
Calanus hyperboreus C2	0	1.42	0	0.0
Calanus hyperboreus C1	0	1.42	0	0.0
Calanus finmarchicus AF	13	1.42	918	1.2
Calanus finmarchicus AM	4	1.42	283	0.4
Calanus finmarchicus C5	104	1.42	7345	9.7
Calanus finmarchicus C4	27	1.42	1907	2.5
Calanus finmarchicus C3	3	1.42	212	0.3
Calanus finmarchicus C2	0	1.42	0	0.0
Calanus finmarchicus C1	0	1.42	0	0.0
Calanus glacialis AF	18	1.42	1271	1.7
Calanus glacialis AM	0	1.42	0	0.0
Calanus glacialis C5	1	1.42	71	0.1
Calanus glacialis C4	6	1.42	424	0.6
Calanus glacialis C3	0	1.42	0	0.0
Calanus glacialis C2	0	1.42	0	0.0
Calanus glacialis C1	0	1.42	0	0.0
Metridia longa AF	37	1.42	2613	3.4
Metridia longa AM	0	1.42	0	0.0
Metridia longa C5	5	1.42	353	0.5
Metridia longa C4	0	1.42	0	0.0
Metridia longa C3, C2, C1	0	1.42	0	0.0
Pseudocalanus minutus AF	39	0.63	6145	8.1
Pseudocalanus minutus AM	0	0.63	0	0.0
Pseudocalanus minutus C5	6	0.63	945	1.2
Pseudocalanus minutus C4	0	0.63	0	0.0
Pseudocalanus spp. C3, C2, C1	0	0.63	0	0.0
Scolecithricella sp. all	2	1.42	141	0.2
Other large copepods (> 2mm)	1	1.42	71	0.1
Other small copepods (< 2mm)	0	1.42	0	0.0
Copepod nauplii	56	0.05	114754	151.0
Unid. calanoid copepodids	73	0.24	29906	39.3
Microcalanus spp. AFM	17	0.63	2678	3.5
Olithona spp. all	139	0.05	284836	374.8
Oncaea spp. all	3	0.63	473	0.6
Harpacticoids all	0	0.63	0	0.0
Appendicularians	17	0.63	2678	3.5
Amphipods	4	1.42	283	0.4
Ostracods	3	1.42	212	0.3
Gelatinous zooplankton	0	1.42	0	0.0
Misc. Invert. larvae	0	1.42	0	0.0
Other zooplankton	1	0.63	158	0.2
Euphausiid adults	1	2.98	34	0.0
Euphausiid adolescents	0	2.98	0	0.0
Euphausiid furcillae	2	2.98	67	0.1
Euphausiid calyptopes	0	1.42	0	0.0
Euphausiid nauplii	0	1.42	0	0.0
Chaetognaths, juvenile	4	1.42	283	0.4
Eukrohnia hamata, adults	0	1.42	0	0.0
Sagitta elegans, adults	0	1.42	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 061
 Ship: HAKON MOSBY Net type: 1 m
 Station: 063 Net mesh: 118 um
 Date: 4-7-87 Haul depth: 118-0 m
 Time: 0030
 Latitude: 77 20.5 N Volume:
 Longitude: 0 53.2 E filtered: 336.7

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	3	4.47	99	0.3
Calanus hyperboreus AM	0	4.47	0	0.0
Calanus hyperboreus C5	1	4.47	22	0.1
Calanus hyperboreus C4	0	4.47	0	0.0
Calanus hyperboreus C3	0	4.47	0	0.0
Calanus hyperboreus C2	0	4.47	0	0.0
Calanus hyperboreus C1	0	4.47	0	0.0
Calanus finmarchicus AF	40	4.47	947	2.8
Calanus finmarchicus AM	3	4.47	67	0.2
Calanus finmarchicus C5	39	4.47	873	2.6
Calanus finmarchicus C4	21	4.47	470	1.4
Calanus finmarchicus C3	1	4.47	22	0.1
Calanus finmarchicus C2	0	4.47	0	0.0
Calanus finmarchicus C1	0	4.47	0	0.0
Calanus glacialis AF	16	4.47	368	1.1
Calanus glacialis AM	0	4.47	0	0.0
Calanus glacialis C5	0	4.47	0	0.0
Calanus glacialis C4	3	4.47	67	0.2
Calanus glacialis C3	0	4.47	0	0.0
Calanus glacialis C2	0	4.47	0	0.0
Calanus glacialis C1	0	4.47	0	0.0
Metridia longa AF	44	4.47	1016	3.0
Metridia longa AM	0	4.47	0	0.0
Metridia longa C5	0	4.47	0	0.0
Metridia longa C4	0	4.47	0	0.0
Metridia longa C3, C2, C1	0	4.47	0	0.0
Pseudocalanus minutus AF	54	1.34	4022	11.9
Pseudocalanus minutus AM	0	1.34	0	0.0
Pseudocalanus minutus C5	4	1.34	298	0.9
Pseudocalanus minutus C4	3	1.34	223	0.7
Pseudocalanus spp. C3, C2, C1	1	1.34	74	0.2
Scolecithricella sp. all	1	4.47	22	0.1
Other large copepods (> 2mm)	1	4.47	22	0.1
Other small copepods (< 2mm)	0	4.47	0	0.0
Copepod nauplii	60	0.07	81967	243.4
Unid. calanoid copepodids	68	0.56	12110	36.0
Microcalanus spp. AFM	4	1.34	298	0.9
Oncaea spp. all	64	0.02	262295	779.0
Harpacticoids all	4	1.34	298	0.9
Appendicularians	1	4.47	22	0.1
Amphipods	66	1.34	4915	14.6
Ostracods	3	4.47	67	0.2
Gelatinous zooplankton	2	4.47	45	0.1
Misc. invert. larvae	0	1.34	0	0.0
Other zooplankton	0	1.34	0	0.0
Euphausiid adults	6	1.34	447	1.3
Euphausiid adolescents	0	4.47	0	0.0
Euphausiid furcillae	0	4.47	0	0.0
Euphausiid calyptopes	1	4.47	22	0.1
Euphausiid nauplii	0	4.47	0	0.0
Chaetognaths, juvenile	0	4.47	0	0.0
Eukrohnia hamata, adults	3	4.47	67	0.2
Sagitta elegans, adults	0	4.47	0	0.0
Sagitta elegans, adults	0	4.47	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 062
 Ship: HAKON MOSBY Net type: 1 m
 Station: 064 Net mesh: 118 um
 Date: 4-7-87 Haul depth: 175-0 m
 Time: 0250
 Latitude: 77 23.9 N Volume
 Longitude: 0 35.1 E filtered: 796.6

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	43	1.44	3015	3.8
Calanus hyperboreus AM	0	1.44	0	0.0
Calanus hyperboreus C5	0	1.44	0	0.0
Calanus hyperboreus C4	0	1.44	0	0.0
Calanus hyperboreus C3	0	1.44	0	0.0
Calanus hyperboreus C2	0	1.44	0	0.0
Calanus hyperboreus C1	0	1.44	0	0.0
Calanus finmarchicus AF	28	1.44	1952	2.5
Calanus finmarchicus AM	3	1.44	208	0.3
Calanus finmarchicus C5	79	1.44	5485	6.9
Calanus finmarchicus C4	27	1.44	1875	2.4
Calanus finmarchicus C3	0	1.44	0	0.0
Calanus finmarchicus C2	0	1.44	0	0.0
Calanus finmarchicus C1	0	1.44	0	0.0
Calanus glacialis AF	12	1.44	833	1.0
Calanus glacialis AM	0	1.44	0	0.0
Calanus glacialis C5	0	1.44	0	0.0
Calanus glacialis C4	1	1.44	69	0.1
Calanus glacialis C3	0	1.44	0	0.0
Calanus glacialis C2	0	1.44	0	0.0
Calanus glacialis C1	0	1.44	0	0.0
Metridia longa AF	37	1.44	2569	3.2
Metridia longa AM	0	1.44	0	0.0
Metridia longa C5	1	1.44	69	0.1
Metridia longa C4	1	1.44	69	0.1
Metridia longa C3, C2, C1	0	1.44	0	0.0
Pseudocalanus minutus AF	46	0.66	6979	8.8
Pseudocalanus minutus AM	0	0.66	0	0.0
Pseudocalanus minutus C5	4	0.66	607	0.8
Pseudocalanus minutus C4	4	0.66	607	0.8
Pseudocalanus spp. C3, C2, C1	0	0.66	0	0.0
Scolecithricella sp. all	1	1.44	69	0.1
Other large copepods (> 2mm)	1	1.44	69	0.1
Other small copepods (< 2mm)	0	1.44	0	0.0
Copepod nauplii	89	0.07	121585	152.6
Unid. calanoid copepodids	68	0.27	25326	31.8
Microcalanus spp. AFM	13	0.66	1972	2.5
Olithona spp. all	108	0.02	442623	555.6
Oncaea spp. all	7	0.27	2607	3.3
Harpacticoids all	1	0.27	372	0.5
Appendicularians	29	0.27	10801	13.6
Amphipods	5	1.44	347	0.4
Ostracods	1	1.44	69	0.1
Gelatinous zooplankton	0	1.44	0	0.0
Misc. Invert. larvae	0	1.44	0	0.0
Other zooplankton	0	1.44	0	0.0
Euphausiid adults	0	1.44	0	0.0
Euphausiid adolescents	0	1.44	0	0.0
Euphausiid furcillae	0	1.44	0	0.0
Euphausiid calyptopes	0	1.44	0	0.0
Euphausiid nauplii	0	1.44	0	0.0
Chaetognaths, juvenile	6	1.44	417	0.5
Eukrohnia hamata, adults	1	1.44	69	0.1
Sagitta elegans, adults	1	1.44	69	0.1

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 063
 Ship: HAKON MOSBY Net type: 1 m
 Station: 064 Net mesh: 118 um
 Date: 4-7-87 Haul depth: 106-0 m
 Time: 0330
 Latitude: 77 24.3 N Volume
 Longitude: 0 30.3 E filtered: 193.4

Taxonomic Category	Number Counted	Percent Counted	No. in Sample	No./M ³
Calanus hyperboreus AF	0	16.58	0	0.0
Calanus hyperboreus AM	0	16.58	0	0.0
Calanus hyperboreus C5	0	16.58	0	0.0
Calanus hyperboreus C4	0	16.58	0	0.0
Calanus hyperboreus C3	0	16.58	0	0.0
Calanus hyperboreus C2	0	16.58	0	0.0
Calanus hyperboreus C1	0	16.58	0	0.0
Calanus finmarchicus AF	21	16.58	152	0.8
Calanus finmarchicus AM	0	16.58	0	0.0
Calanus finmarchicus C5	18	16.58	109	0.6
Calanus finmarchicus C4	43	16.58	259	1.3
Calanus finmarchicus C3	2	16.58	12	0.1
Calanus finmarchicus C2	0	16.58	0	0.0
Calanus finmarchicus C1	0	16.58	0	0.0
Calanus glacialis AF	31	16.58	187	1.0
Calanus glacialis AM	0	16.58	0	0.0
Calanus glacialis C5	0	16.58	0	0.0
Calanus glacialis C4	3	16.58	18	0.1
Calanus glacialis C3	0	16.58	0	0.0
Calanus glacialis C2	0	16.58	0	0.0
Calanus glacialis C1	0	16.58	0	0.0
Metridia longa AF	3	16.58	18	0.1
Metridia longa AM	0	16.58	0	0.0
Metridia longa C5	0	16.58	0	0.0
Metridia longa C4	0	16.58	0	0.0
Metridia longa C3, C2, C1	0	16.58	0	0.0
Pseudocalanus minutus AF	60	0.95	6302	32.6
Pseudocalanus minutus AM	0	4.08	0	0.0
Pseudocalanus minutus C5	19	4.08	466	2.4
Pseudocalanus minutus C4	14	4.08	343	1.8
Pseudocalanus spp. C3, C2, C1	3	4.08	74	0.4
Scolecithricella sp. all	0	16.58	0	0.0
Other large copepods (> 2mm)	1	16.58	6	0.0
Other small copepods (< 2mm)	0	16.58	0	0.0
Copepod nauplii	74	0.07	101093	522.7
Unid. calanoid copepodids	124	0.95	13024	67.3
Microcalanus spp. AFM	12	4.08	294	1.5
Oithona spp. all	78	0.02	319672	1652.9
Oncaea spp. all	6	4.08	147	0.8
Harpacticoids all	1	16.58	6	0.0
Appendicularians	49	0.95	5147	26.6
Amphipods	10	16.58	60	0.3
Ostracods	0	16.58	0	0.0
Gelatinous zooplankton	0	16.58	0	0.0
Misc. Invert. larvae	0	16.58	0	0.0
Other zooplankton	16	4.08	392	2.0
Euphausiid adults	0	16.58	0	0.0
Euphausiid adolescents	0	16.58	0	0.0
Euphausiid furcillae	3	16.58	18	0.1
Euphausiid calyptopes	0	16.58	0	0.0
Euphausiid nauplii	0	16.58	0	0.0
Chaetognaths, juvenile	13	16.58	78	0.4
Eukrohnia hamata, adults	0	16.58	0	0.0
Sagitta elegans, adults	0	16.58	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 064
 Ship: HAKON MOSBY Net type: 1 m
 Station: 065 Net mesh: 118 um
 Date: 4-7-87 Haul depth: 212-0 m
 Time: 0515
 Latitude: 77 29.3 N Volume
 Longitude: 0 18.1 E filtered: 785.3

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	99	8.46	1186	1.5
Calanus hyperboreus AM	0	8.46	0	0.0
Calanus hyperboreus C5	19	8.46	225	0.3
Calanus hyperboreus C4	1	8.46	12	0.0
Calanus hyperboreus C3	1	8.46	12	0.0
Calanus hyperboreus C2	0	8.46	0	0.0
Calanus hyperboreus C1	0	8.46	0	0.0
Calanus finmarchicus AF	41	2.21	1863	2.4
Calanus finmarchicus AM	60	8.46	709	0.9
Calanus finmarchicus C5	71	0.65	10995	14.0
Calanus finmarchicus C4	45	0.65	6956	8.9
Calanus finmarchicus C3	0	8.46	0	0.0
Calanus finmarchicus C2	0	8.46	0	0.0
Calanus finmarchicus C1	0	8.46	0	0.0
Calanus glacialis AF	14	2.21	634	0.8
Calanus glacialis AM	0	8.46	0	0.0
Calanus glacialis C5	0	8.46	0	0.0
Calanus glacialis C4	3	8.46	35	0.0
Calanus glacialis C3	3	8.46	35	0.0
Calanus glacialis C2	0	8.46	0	0.0
Calanus glacialis C1	0	8.46	0	0.0
Metridia longa AF	20	8.46	236	0.3
Metridia longa AM	0	8.46	0	0.0
Metridia longa C5	1	8.46	12	0.0
Metridia longa C4	0	8.46	0	0.0
Metridia longa C3, C2, C1	0	8.46	0	0.0
Pseudocalanus minutus AF	106	2.21	4798	6.1
Pseudocalanus minutus AM	3	2.21	136	0.2
Pseudocalanus minutus C5	3	2.21	136	0.2
Pseudocalanus minutus C4	7	2.21	317	0.4
Pseudocalanus spp. C3, C2, C1	2	2.21	91	0.1
Scolecithricella sp. all	5	2.21	226	0.3
Other large copepods (> 2mm)	1	2.21	45	0.1
Other small copepods (< 2mm)	0	2.21	0	0.0
Copepod nauplii	74	0.06	121311	154.5
Unid. calanoid copepodids	39	0.06	63934	81.4
Microcalanus spp. AFM	40	2.21	1810	2.3
Olithona spp. all	55	0.01	450820	574.1
Oncaea spp. all	12	2.21	543	0.7
Harpacticoids all	1	2.21	45	0.1
Appendicularians	0	2.21	0	0.0
Amphipods	2	2.21	91	0.1
Ostracods	8	2.21	362	0.5
Gelatinous zooplankton	0	2.21	0	0.0
Misc. invert. larvae	0	2.21	0	0.0
Other zooplankton	0	2.21	0	0.0
Euphausiid adults	4	2.21	181	0.2
Euphausiid adolescents	1	2.21	45	0.1
Euphausiid furcillae	0	2.21	0	0.0
Euphausiid calyptopes	0	2.21	0	0.0
Euphausiid nauplii	0	2.21	0	0.0
Chaetognaths, juvenile	17	2.21	769	1.0
Eukrohnia hamata, adults	3	2.21	136	0.2
Sagitta elegans, adults	0	2.21	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 065
 Ship: HAKON MOSBY Net type: 1 m
 Station: 065 Net mesh: 118 um
 Date: 4-7-87 Haul depth: 88-0 m
 Time: 0547
 Latitude: 77 30.1 N Volume
 Longitude: 0 14.4 E filtered: 470.4

Taxonomic Category	Number Counted	Percent Counted	No. in Sample	No./M ³
Calanus hyperboreus AF	6	21.63	28	0.1
Calanus hyperboreus AM	0	21.63	0	0.0
Calanus hyperboreus C5	1	21.63	5	0.0
Calanus hyperboreus C4	0	21.63	0	0.0
Calanus hyperboreus C3	0	21.63	0	0.0
Calanus hyperboreus C2	0	21.63	0	0.0
Calanus hyperboreus C1	0	21.63	0	0.0
Calanus finmarchicus AF	36	21.63	191	0.4
Calanus finmarchicus AM	2	9.13	22	0.0
Calanus finmarchicus C5	25	9.13	294	0.6
Calanus finmarchicus C4	35	9.13	383	0.8
Calanus finmarchicus C3	1	9.13	11	0.0
Calanus finmarchicus C2	0	9.13	0	0.0
Calanus finmarchicus C1	0	9.13	0	0.0
Calanus glacialis AF	33	21.63	153	0.3
Calanus glacialis AM	0	9.13	0	0.0
Calanus glacialis C5	0	9.13	0	0.0
Calanus glacialis C4	5	9.13	55	0.1
Calanus glacialis C3	0	9.13	0	0.0
Calanus glacialis C2	0	9.13	0	0.0
Calanus glacialis C1	0	9.13	0	0.0
Metridia longa AF	2	21.63	9	0.0
Metridia longa AM	0	21.63	0	0.0
Metridia longa C5	0	21.63	0	0.0
Metridia longa C4	0	21.63	0	0.0
Metridia longa C3, C2, C1	0	21.63	0	0.0
Pseudocalanus minutus AF	64	1.32	4855	10.3
Pseudocalanus minutus AM	0	2.88	0	0.0
Pseudocalanus minutus C5	12	2.88	417	0.9
Pseudocalanus minutus C4	6	2.88	208	0.4
Pseudocalanus spp. C3, C2, C1	2	2.88	69	0.1
Scolecithricella sp. all	1	9.13	11	0.0
Other large copepods (> 2mm)	0	21.63	0	0.0
Other small copepods (< 2mm)	0	21.63	0	0.0
Copepod nauplii	65	0.15	44369	94.3
Unid. calanoid copepodids	45	0.54	8378	17.8
Microcalanus spp. AFM	5	9.13	55	0.1
Olithona spp. all	98	0.05	200820	426.9
Oncaea spp. all	3	1.32	228	0.5
Harpacticoids all	0	1.32	0	0.0
Appendicularians	33	1.32	2503	5.3
Amphipods	11	9.13	120	0.3
Ostracods	0	21.63	0	0.0
Gelatinous zooplankton	0	21.63	0	0.0
Misc. Invert. larvae	0	21.63	0	0.0
Other zooplankton	3	9.13	33	0.1
Euphausiid adults	5	9.13	55	0.1
Euphausiid adolescents	0	9.13	0	0.0
Euphausiid furcillae	7	9.13	77	0.2
Euphausiid calyptopes	0	9.13	0	0.0
Euphausiid nauplii	0	9.13	0	0.0
Chaetognaths, juvenile	2	9.13	22	0.0
Eukrohnia hamata, adults	0	9.13	0	0.0
Sagitta elegans, adults	1	9.13	11	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 066
 Ship: HAKON MOSBY Net type: 1 m
 Station: 066 Net mesh: 118 um
 Date: 4-7-87 Haul depth: 190-0 m
 Time: 0730
 Latitude: 77 32.8 N Volume
 Longitude: 0 02.2 W filtered: 738.1

Taxonomic Category	Number Counted	Percent Counted	No. in Sample	No./M ³
Calanus hyperboreus AF	36	1.51	2378	3.2
Calanus hyperboreus AM	0	1.51	0	0.0
Calanus hyperboreus C5	1	1.51	66	0.1
Calanus hyperboreus C4	0	1.51	0	0.0
Calanus hyperboreus C3	0	1.51	0	0.0
Calanus hyperboreus C2	0	1.51	0	0.0
Calanus hyperboreus C1	0	1.51	0	0.0
Calanus finmarchicus AF	29	1.51	1916	2.6
Calanus finmarchicus AM	5	0.73	683	0.9
Calanus finmarchicus C5	62	0.73	8465	11.5
Calanus finmarchicus C4	54	0.73	7373	10.0
Calanus finmarchicus C3	1	0.73	137	0.2
Calanus finmarchicus C2	0	0.73	0	0.0
Calanus finmarchicus C1	0	0.73	0	0.0
Calanus glacialis AF	15	1.51	991	1.3
Calanus glacialis AM	0	0.73	0	0.0
Calanus glacialis C5	0	0.73	0	0.0
Calanus glacialis C4	1	0.73	137	0.2
Calanus glacialis C3	0	0.73	0	0.0
Calanus glacialis C2	0	0.73	0	0.0
Calanus glacialis C1	0	0.73	0	0.0
Metridia longa AF	0	1.51	0	0.0
Metridia longa AM	0	1.51	0	0.0
Metridia longa C5	0	1.51	0	0.0
Metridia longa C4	0	1.51	0	0.0
Metridia longa C3, C2, C1	0	1.51	0	0.0
Pseudocalanus minutus AF	56	0.73	7646	10.4
Pseudocalanus minutus AM	0	0.73	0	0.0
Pseudocalanus minutus C5	4	0.73	546	0.7
Pseudocalanus minutus C4	3	0.73	410	0.6
Pseudocalanus spp. C3, C2, C1	1	0.73	137	0.2
Scolecithricella sp. all	2	1.51	132	0.2
Other large copepods (> 2mm)	0	1.51	0	0.0
Other small copepods (< 2mm)	0	1.51	0	0.0
Copepod nauplii	94	0.15	64164	86.9
Unid. calanoid copepodids	67	0.73	9148	12.4
Microcalanus spp. AFM	16	0.73	2185	3.0
Oncaea spp. all	47	0.05	96311	130.5
Oncaea spp. all	7	0.73	956	1.3
Harpacticoids all	2	1.51	132	0.2
Appendicularians	16	0.73	2185	3.0
Amphipods	0	0.73	0	0.0
Ostracods	4	1.51	264	0.4
Gelatinous zooplankton	0	0.73	0	0.0
Misc. Invert. larvae	0	0.73	0	0.0
Other zooplankton	4	0.73	546	0.7
Euphausiid adults	0	1.51	0	0.0
Euphausiid adolescents	0	1.51	0	0.0
Euphausiid furcillae	3	1.51	198	0.3
Euphausiid calyptopes	0	1.51	0	0.0
Euphausiid nauplii	0	1.51	0	0.0
Chaetognaths, juvenile	7	1.51	462	0.6
Eukrohnia hamata, adults	0	1.51	0	0.0
Sagitta elegans, adults	0	1.51	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 067
 Ship: HAKON MOSBY Net type: 1 m
 Station: 066 Net mesh: 118 um
 Date: 4-7-87 Haul depth: 100-0 m
 Time: 0803
 Latitude: 77 33.4 N Volume
 Longitude: 0 05.6 W filtered: 404.3

Taxonomic Category	Number Counted	Percent Counted	No. in Sample	No./M ³
Calanus hyperboreus AF	12	6.01	225	0.6
Calanus hyperboreus AM	0	6.01	0	0.0
Calanus hyperboreus C5	1	6.01	17	0.0
Calanus hyperboreus C4	0	6.01	0	0.0
Calanus hyperboreus C3	0	6.01	0	0.0
Calanus hyperboreus C2	0	6.01	0	0.0
Calanus hyperboreus C1	0	6.01	0	0.0
Calanus finmarchicus AF	21	6.01	390	1.0
Calanus finmarchicus AM	2	6.01	33	0.1
Calanus finmarchicus C5	55	6.01	936	2.3
Calanus finmarchicus C4	53	6.01	882	2.2
Calanus finmarchicus C3	3	6.01	50	0.1
Calanus finmarchicus C2	0	6.01	0	0.0
Calanus finmarchicus C1	0	6.01	0	0.0
Calanus glacialis AF	13	6.01	216	0.5
Calanus glacialis AM	0	6.01	0	0.0
Calanus glacialis C5	0	6.01	0	0.0
Calanus glacialis C4	1	6.01	17	0.0
Calanus glacialis C3	0	6.01	0	0.0
Calanus glacialis C2	0	6.01	0	0.0
Calanus glacialis C1	0	6.01	0	0.0
Metridia longa AF	0	6.01	0	0.0
Metridia longa AM	0	6.01	0	0.0
Metridia longa C5	0	6.01	0	0.0
Metridia longa C4	0	6.01	0	0.0
Metridia longa C3, C2, C1	0	6.01	0	0.0
Pseudocalanus minutus AF	83	2.88	2881	7.1
Pseudocalanus minutus AM	0	2.88	0	0.0
Pseudocalanus minutus C5	4	2.88	139	0.3
Pseudocalanus minutus C4	5	2.88	174	0.4
Pseudocalanus spp. C3, C2, C1	2	2.88	69	0.2
Scolecithricella sp. all	0	6.01	0	0.0
Other large copepods (> 2mm)	0	6.01	0	0.0
Other small copepods (< 2mm)	0	6.01	0	0.0
Copepod nauplii	115	0.15	78498	194.2
Unid. calanoid copepodids	56	1.32	4248	10.5
Microcalanus spp. AFM	4	2.88	139	0.3
Oncaea spp. all	62	0.05	127049	314.2
Oncaea spp. all	7	1.32	531	1.3
Harpacticoids all	0	1.32	0	0.0
Appendicularians	17	1.32	1290	3.2
Amphipods	6	6.01	100	0.2
Ostracods	0	6.01	0	0.0
Gelatinous zooplankton	0	6.01	0	0.0
Misc. Invert. larvae	0	6.01	0	0.0
Other zooplankton	5	6.01	83	0.2
Euphausiid adults	2	6.01	33	0.1
Euphausiid adolescents	0	6.01	0	0.0
Euphausiid furcillae	1	6.01	17	0.0
Euphausiid calyptopes	0	6.01	0	0.0
Euphausiid nauplii	0	6.01	0	0.0
Chaetognaths, juvenile	8	6.01	133	0.3
Eukrohnia hamata, adults	0	6.01	0	0.0
Sagitta elegans, adults	0	6.01	0	0.0

NOTES:

Marginal Ice Zone Experiment 1984 Zooplankton abundance data report

Cruise: MIZEX 87 Net haul: 068
 Ship: HAKON MOSBY Net type: 1 m
 Station: 067 Net mesh: 118 um
 Date: 4-7-87 Haul depth: 320-0 m
 Time: 0950
 Latitude: 77 38.0 N Volume
 Longitude: 0 27.0 W filtered: 624.3

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	69	2.65	2605	4.2
Calanus hyperboreus AM	0	2.65	0	0.0
Calanus hyperboreus C5	1	2.65	38	0.1
Calanus hyperboreus C4	0	2.65	0	0.0
Calanus hyperboreus C3	0	2.65	0	0.0
Calanus hyperboreus C2	0	2.65	0	0.0
Calanus hyperboreus C1	0	2.65	0	0.0
Calanus finmarchicus AF	32	2.65	1208	1.9
Calanus finmarchicus AM	3	2.65	113	0.2
Calanus finmarchicus C5	71	1.09	6535	10.5
Calanus finmarchicus C4	58	2.65	2190	3.5
Calanus finmarchicus C3	0	2.65	0	0.0
Calanus finmarchicus C2	0	2.65	0	0.0
Calanus finmarchicus C1	0	2.65	0	0.0
Calanus glacialis AF	9	2.65	340	0.5
Calanus glacialis AM	0	2.65	0	0.0
Calanus glacialis C5	0	2.65	0	0.0
Calanus glacialis C4	2	2.65	76	0.1
Calanus glacialis C3	0	2.65	0	0.0
Calanus glacialis C2	0	2.65	0	0.0
Calanus glacialis C1	0	2.65	0	0.0
Metridia longa AF	6	2.65	227	0.4
Metridia longa AM	0	2.65	0	0.0
Metridia longa C5	3	2.65	113	0.2
Metridia longa C4	0	2.65	0	0.0
Metridia longa C3, C2, C1	0	2.65	0	0.0
Pseudocalanus minutus AF	88	1.09	8100	13.0
Pseudocalanus minutus AM	2	2.65	76	0.1
Pseudocalanus minutus C5	6	2.65	227	0.4
Pseudocalanus minutus C4	7	2.65	264	0.4
Pseudocalanus spp. C3, C2, C1	0	2.65	0	0.0
Scolecithricella sp. all	1	2.65	38	0.1
Other large copepods (> 2mm)	0	2.65	0	0.0
Other small copepods (< 2mm)	0	2.65	0	0.0
Copepod nauplii	97	0.11	88262	141.4
Unid. calanoid copepodids	80	0.31	26212	42.0
Microcalanus spp. AFM	47	1.09	4326	6.9
Oithona spp. all	50	0.01	409836	656.5
Oncaea spp. all	1	2.65	38	0.1
Harpacticoids all	1	2.65	38	0.1
Appendicularians	0	2.65	0	0.0
Amphipods	2	2.65	76	0.1
Ostracods	1	2.65	38	0.1
Gelatinous zooplankton	0	2.65	0	0.0
Misc. Invert. larvae	0	2.65	0	0.0
Other zooplankton	1	2.65	38	0.1
Euphausiid adults	2	2.65	76	0.1
Euphausiid adolescents	0	2.65	0	0.0
Euphausiid furcillae	0	2.65	0	0.0
Euphausiid calyptopes	0	2.65	0	0.0
Euphausiid nauplii	0	2.65	0	0.0
Chaetognaths, juvenile	26	2.65	982	1.6
Eukrohnia hamata, adults	16	2.65	604	1.0
Sagitta elegans, adults	0	2.65	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 069
 Ship: HAKON MOSBY Net type: 1 m
 Station: 067 Net mesh: 118 um
 Date: 4-7-87 Haul depth: 140-0 m
 Time: 1040
 Latitude: 77 39.5 N Volume
 Longitude: 0 31.3 W filtered: 291.4

Taxonomic Category	Number Counted	Percent Counted	No. in Sample	No./M ³
Calanus hyperboreus AF	42	4.27	1059	3.6
Calanus hyperboreus AM	0	10.52	0	0.0
Calanus hyperboreus C5	1	10.52	10	0.0
Calanus hyperboreus C4	0	10.52	0	0.0
Calanus hyperboreus C3	0	10.52	0	0.0
Calanus hyperboreus C2	0	10.52	0	0.0
Calanus hyperboreus C1	0	10.52	0	0.0
Calanus finmarchicus AF	26	10.52	301	1.0
Calanus finmarchicus AM	2	4.27	47	0.2
Calanus finmarchicus C5	22	4.27	515	1.8
Calanus finmarchicus C4	17	4.27	398	1.4
Calanus finmarchicus C3	1	4.27	23	0.1
Calanus finmarchicus C2	0	4.27	0	0.0
Calanus finmarchicus C1	0	4.27	0	0.0
Calanus glacialis AF	15	10.52	151	0.5
Calanus glacialis AM	0	4.27	0	0.0
Calanus glacialis C5	0	4.27	0	0.0
Calanus glacialis C4	2	4.27	47	0.2
Calanus glacialis C3	0	4.27	0	0.0
Calanus glacialis C2	0	4.27	0	0.0
Calanus glacialis C1	0	4.27	0	0.0
Metridia longa AF	0	4.27	0	0.0
Metridia longa AM	0	4.27	0	0.0
Metridia longa C5	0	4.27	0	0.0
Metridia longa C4	0	4.27	0	0.0
Metridia longa C3, C2, C1	0	4.27	0	0.0
Pseudocalanus minutus AF	45	1.15	3922	13.5
Pseudocalanus minutus AM	0	1.15	0	0.0
Pseudocalanus minutus C5	7	1.15	610	2.1
Pseudocalanus minutus C4	5	1.15	436	1.5
Pseudocalanus spp. C3, C2, C1	1	1.15	87	0.3
Scolecithricella sp. all	0	1.15	0	0.0
Other large copepods (> 2mm)	0	1.15	0	0.0
Other small copepods (< 2mm)	0	1.15	0	0.0
Copepod nauplii	63	0.07	86066	295.4
Unid. calanoid copepodids	50	0.37	13654	46.9
Microcalanus spp. AFM	1	1.15	87	0.3
Oithona spp. all	72	0.02	295082	1012.6
Oncaea spp. all	0	1.15	0	0.0
Harpacticoids all	1	1.15	87	0.3
Appendicularians	28	1.15	2440	8.4
Amphipods	4	4.27	94	0.3
Ostracods	0	1.15	0	0.0
Gelatinous zooplankton	0	1.15	0	0.0
Misc. invert. larvae	0	1.15	0	0.0
Other zooplankton	3	1.15	261	0.9
Euphausiid adults	0	4.27	0	0.0
Euphausiid adolescents	0	4.27	0	0.0
Euphausiid furcillae	1	4.27	23	0.1
Euphausiid calyptopes	0	4.27	0	0.0
Euphausiid nauplii	0	4.27	0	0.0
Chaetognaths, juvenile	2	4.27	47	0.2
Eukrohnia hamata, adults	0	4.27	0	0.0
Sagitta elegans, adults	0	4.27	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 070
 Ship: HAKON MOSBY Net type: 1 m
 Station: 068 Net mesh: 118 um
 Date: 4-7-87 Haul depth: 137-0 m
 Time: 1410
 Latitude: 77 42.6 N Volume
 Longitude: 0 45.7 W filtered: 1139.3

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	12	12.30	98	0.1
Calanus hyperboreus AM	0	1.37	0	0.0
Calanus hyperboreus C5	0	1.37	0	0.0
Calanus hyperboreus C4	0	1.37	0	0.0
Calanus hyperboreus C3	0	1.37	0	0.0
Calanus hyperboreus C2	0	1.37	0	0.0
Calanus hyperboreus C1	0	1.37	0	0.0
Calanus finmarchicus AF	44	1.37	3218	2.8
Calanus finmarchicus AM	2	0.59	341	0.3
Calanus finmarchicus C5	97	0.59	16556	14.5
Calanus finmarchicus C4	43	0.59	7339	6.4
Calanus finmarchicus C3	3	0.59	512	0.4
Calanus finmarchicus C2	1	1.37	73	0.1
Calanus finmarchicus C1	0	1.37	0	0.0
Calanus glacialis AF	28	1.37	2048	1.8
Calanus glacialis AM	0	0.59	0	0.0
Calanus glacialis C5	4	0.59	683	0.6
Calanus glacialis C4	2	0.59	341	0.3
Calanus glacialis C3	0	0.59	0	0.0
Calanus glacialis C2	0	0.59	0	0.0
Calanus glacialis C1	3	1.37	219	0.2
Metridia longa AF	0	1.37	0	0.0
Metridia longa AM	0	1.37	0	0.0
Metridia longa C5	0	1.37	0	0.0
Metridia longa C4	0	1.37	0	0.0
Metridia longa C3, C2, C1	0	1.37	0	0.0
Pseudocalanus minutus AF	41	1.37	2999	2.6
Pseudocalanus minutus AM	0	1.37	0	0.0
Pseudocalanus minutus C5	5	1.37	366	0.3
Pseudocalanus minutus C4	2	1.37	146	0.1
Pseudocalanus spp. C3, C2, C1	2	1.37	146	0.1
Scolecithricella sp. all	0	1.37	0	0.0
Other large copepods (> 2mm)	0	1.37	0	0.0
Other small copepods (< 2mm)	0	1.37	0	0.0
Copepod nauplii	75	0.59	12801	11.2
Unid. calanoid copepodids	10	0.59	1707	1.5
Microcalanus spp. AFM	9	0.59	1536	1.3
Oithona spp. all	150	0.59	25602	22.5
Oncaea spp. all	3	1.37	219	0.2
Harpacticoids all	1	1.37	73	0.1
Appendicularians	1	0.59	171	0.1
Amphipods	1	1.37	73	0.1
Ostracods	0	1.37	0	0.0
Gelatinous zooplankton	0	1.37	0	0.0
Misc. Invert. larvae	0	1.37	0	0.0
Other zooplankton	8	0.59	1365	1.2
Euphausiid adults	4	2.93	137	0.1
Euphausiid adolescents	1	2.93	34	0.0
Euphausiid furcillae	2	2.93	68	0.1
Euphausiid calyptopes	0	2.93	0	0.0
Euphausiid nauplii	0	2.93	0	0.0
Chaetognaths, juvenile	4	1.37	293	0.3
Eukrohnia hamata, adults	0	1.37	0	0.0
Sagitta elegans, adults	0	1.37	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 071
 Ship: HAKON MOSBY Net type: 1 m
 Station: 068 Net mesh: 118 um
 Date: 4-7-87 Haul depth: 88-0 m
 Time: 1445
 Latitude: 77 41.3 N Volume
 Longitude: 0 51.4 W filtered: 509.8

Taxonomic Category	Number Counted	Percent Counted	No. in Sample	No./M ³
Calanus hyperboreus AF	0	12.01	0	0.0
Calanus hyperboreus AM	0	12.01	0	0.0
Calanus hyperboreus C5	0	12.01	0	0.0
Calanus hyperboreus C4	0	12.01	0	0.0
Calanus hyperboreus C3	0	12.01	0	0.0
Calanus hyperboreus C2	0	12.01	0	0.0
Calanus hyperboreus C1	0	12.01	0	0.0
Calanus finmarchicus AF	16	5.76	414	0.8
Calanus finmarchicus AM	0	12.01	0	0.0
Calanus finmarchicus C5	33	12.01	275	0.5
Calanus finmarchicus C4	51	12.01	425	0.8
Calanus finmarchicus C3	2	12.01	17	0.0
Calanus finmarchicus C2	0	12.01	0	0.0
Calanus finmarchicus C1	0	12.01	0	0.0
Calanus glacialis AF	21	5.76	451	0.9
Calanus glacialis AM	0	12.01	0	0.0
Calanus glacialis C5	1	12.01	8	0.0
Calanus glacialis C4	7	12.01	58	0.1
Calanus glacialis C3	0	12.01	0	0.0
Calanus glacialis C2	0	12.01	0	0.0
Calanus glacialis C1	0	12.01	0	0.0
Metridia longa AF	0	12.01	0	0.0
Metridia longa AM	0	12.01	0	0.0
Metridia longa C5	0	12.01	0	0.0
Metridia longa C4	0	12.01	0	0.0
Metridia longa C3, C2, C1	0	12.01	0	0.0
Pseudocalanus minutus AF	71	2.64	2693	5.3
Pseudocalanus minutus AM	0	8.89	0	0.0
Pseudocalanus minutus C5	8	8.89	90	0.2
Pseudocalanus minutus C4	7	8.89	79	0.2
Pseudocalanus spp. C3, C2, C1	2	8.89	23	0.0
Scolecithricella sp. all	0	12.01	0	0.0
Other large copepods (> 2mm)	0	12.01	0	0.0
Other small copepods (< 2mm)	0	12.01	0	0.0
Copepod nauplii	44	0.29	15017	29.5
Unid. calanoid copepodids	16	2.64	607	1.2
Microcalanus spp. AFM	1	2.64	38	0.1
Oithona spp. all	50	0.10	51177	100.4
Oncaea spp. all	0	12.01	0	0.0
Harpacticoids all	6	12.01	50	0.1
Appendicularians	1	2.64	38	0.1
Amphipods	7	12.01	58	0.1
Ostracods	0	12.01	0	0.0
Gelatinous zooplankton	0	12.01	0	0.0
Misc. Invert. larvae	0	12.01	0	0.0
Other zooplankton	4	2.64	152	0.3
Euphausiid adults	6	12.01	50	0.1
Euphausiid adolescents	0	12.01	0	0.0
Euphausiid furcillae	4	12.01	33	0.1
Euphausiid calyptopes	0	12.01	0	0.0
Euphausiid nauplii	0	12.01	0	0.0
Chaetognaths, juvenile	6	12.01	50	0.1
Eukrohnia hamata, adults	0	12.01	0	0.0
Sagitta elegans, adults	0	12.01	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 072
 Ship: HAKON MOSBY Net type: 1 m
 Station: 070 Net mesh: 118 um
 Date: 4-7-87 Haul depth: 660-0 m
 Time: 1925
 Latitude: 77 45.1 N Volume
 Longitude: 0 04.7 W filtered: 1719.8

Taxonomic Category	Number Counted	Percent Counted	No. in Sample	No./M ³
Calanus hyperboreus AF	64	0.76	8457	4.9
Calanus hyperboreus AM	0	0.76	0	0.0
Calanus hyperboreus C5	10	0.76	1321	0.8
Calanus hyperboreus C4	9	0.76	1189	0.7
Calanus hyperboreus C3	0	0.76	0	0.0
Calanus hyperboreus C2	0	0.76	0	0.0
Calanus hyperboreus C1	0	0.76	0	0.0
Calanus finmarchicus AF	46	0.76	6078	3.5
Calanus finmarchicus AM	19	0.76	2511	1.5
Calanus finmarchicus C5	95	0.37	25942	15.1
Calanus finmarchicus C4	100	0.37	27307	15.9
Calanus finmarchicus C3	2	0.76	264	0.2
Calanus finmarchicus C2	0	0.76	0	0.0
Calanus finmarchicus C1	0	0.76	0	0.0
Calanus glacialis AF	18	0.76	2378	1.4
Calanus glacialis AM	0	0.76	0	0.0
Calanus glacialis C5	0	0.76	0	0.0
Calanus glacialis C4	2	0.76	264	0.2
Calanus glacialis C3	1	0.76	132	0.1
Calanus glacialis C2	0	0.76	0	0.0
Calanus glacialis C1	0	0.76	0	0.0
Metridia longa AF	46	0.76	6078	3.5
Metridia longa AM	4	0.76	529	0.3
Metridia longa C5	19	0.76	2511	1.5
Metridia longa C4	8	0.76	1057	0.6
Metridia longa C3, C2, C1	1	0.76	132	0.1
Pseudocalanus minutus AF	94	0.37	25669	14.9
Pseudocalanus minutus AM	6	0.76	793	0.5
Pseudocalanus minutus C5	13	0.76	1718	1.0
Pseudocalanus minutus C4	1	0.76	132	0.1
Pseudocalanus spp. C3, C2, C1	1	0.76	132	0.1
Scolecithricella sp. all	2	0.76	264	0.2
Other large copepods (> 2mm)	6	0.76	793	0.5
Other small copepods (< 2mm)	2	0.76	264	0.2
Copepod nauplii	195	0.37	53250	31.0
Unid. calanoid copepodids	72	0.37	19661	11.4
Microcalanus spp. AFM	29	0.37	7919	4.6
Onchocella spp. all	88	0.02	360656	209.7
Onchocella spp. all	48	0.07	65574	38.1
Harpacticoids all	1	0.76	132	0.1
Appendicularians	0	0.76	0	0.0
Amphipods	17	0.76	2246	1.3
Ostracods	28	0.76	3700	2.2
Gelatinous zooplankton	0	0.76	0	0.0
Misc. Invert. larvae	2	0.76	264	0.2
Other zooplankton	1	0.76	132	0.1
Euphausiid adults	1	0.76	132	0.1
Euphausiid adolescents	2	0.76	264	0.2
Euphausiid furcillae	0	0.76	0	0.0
Euphausiid calyptopes	0	0.76	0	0.0
Euphausiid nauplii	1	0.76	132	0.1
Chaetognaths, juvenile	40	0.76	5285	3.1
Eukrohnia hamata, adults	8	0.76	1057	0.6
Sagitta elegans, adults	0	0.76	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 073
 Ship: HAKON MOSBY Net type: 1 m
 Station: 070 Net mesh: 118 um
 Date: 4-7-87 Haul depth: 1030-0 m
 Time: 2040
 Latitude: 77 46.4 N Volume
 Longitude: 0 13.7 W filtered: 3208.7

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M^3
Calanus hyperboreus AF	54	0.73	7373	2.3
Calanus hyperboreus AM	5	0.73	683	0.2
Calanus hyperboreus C5	8	0.73	1092	0.3
Calanus hyperboreus C4	28	0.73	3823	1.2
Calanus hyperboreus C3	19	0.73	2594	0.8
Calanus hyperboreus C2	2	0.73	273	0.1
Calanus hyperboreus C1	2	0.73	273	0.1
Calanus finmarchicus AF	40	0.73	5461	1.7
Calanus finmarchicus AM	29	0.73	3960	1.2
Calanus finmarchicus C5	48	0.15	32765	10.2
Calanus finmarchicus C4	76	0.34	22235	6.9
Calanus finmarchicus C3	0	0.73	0	0.0
Calanus finmarchicus C2	0	0.73	0	0.0
Calanus finmarchicus C1	0	0.73	0	0.0
Calanus glacialis AF	16	0.73	2185	0.7
Calanus glacialis AM	0	0.73	0	0.0
Calanus glacialis C5	0	0.73	0	0.0
Calanus glacialis C4	4	0.73	546	0.2
Calanus glacialis C3	1	0.73	137	0.0
Calanus glacialis C2	0	0.73	0	0.0
Calanus glacialis C1	0	0.73	0	0.0
Metridia longa AF	15	0.73	2048	0.6
Metridia longa AM	13	0.73	1775	0.6
Metridia longa C5	32	0.73	4369	1.4
Metridia longa C4	37	0.73	5052	1.6
Metridia longa C3, C2, C1	5	0.73	683	0.2
Pseudocalanus minutus AF	61	0.15	41638	13.0
Pseudocalanus minutus AM	32	0.73	4369	1.4
Pseudocalanus minutus C5	53	0.73	7236	2.3
Pseudocalanus minutus C4	0	0.73	0	0.0
Pseudocalanus spp. C3, C2, C1	0	0.73	0	0.0
Scolecithricella sp. all	0	0.73	0	0.0
Other large copepods (> 2mm)	11	0.73	1502	0.5
Other small copepods (< 2mm)	7	0.73	956	0.3
Copepod nauplii	57	0.05	116803	36.4
Unid. calanoid copepodids	46	0.05	94262	29.4
Microcalanus spp. AFM	50	0.35	14213	4.4
Olithona spp. all	295	0.05	604508	188.4
Oncaea spp. all	145	0.05	297131	92.6
Harpacticoids all	0	0.73	0	0.0
Appendicularians	3	0.73	410	0.1
Amphipods	24	0.73	3277	1.0
Ostracods	75	0.73	10240	3.2
Gelatinous zooplankton	8	0.73	1092	0.3
Misc. Invert. larvae	3	0.73	410	0.1
Other zooplankton	3	0.73	410	0.1
Euphausiid adults	2	0.73	273	0.1
Euphausiid adolescents	0	0.73	0	0.0
Euphausiid furcillae	0	0.73	0	0.0
Euphausiid calyptopes	0	0.73	0	0.0
Euphausiid nauplii	1	0.73	137	0.0
Chaetognaths, juvenile	53	0.73	7236	2.3
Eukrohnia hamata, adults	9	0.73	1229	0.4
Sagitta elegans, adults	2	0.73	273	0.1

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 074
 Ship: HAKON MOSBY Net type: 1 m
 Station: 070 Net mesh: 118 um
 Date: 4-8-87 Haul depth: 250-0 m
 Time: 2330
 Latitude: 77 45.8 N Volume
 Longitude: 0 30.4 W filtered: 690.6

Taxonomic Category	Number Counted	Percent Counted	No. In Sample	No./M ³
Calanus hyperboreus AF	13	5.32	244	0.4
Calanus hyperboreus AM	0	5.32	0	0.0
Calanus hyperboreus C5	0	5.32	0	0.0
Calanus hyperboreus C4	0	5.32	0	0.0
Calanus hyperboreus C3	0	5.32	0	0.0
Calanus hyperboreus C2	0	5.32	0	0.0
Calanus hyperboreus C1	0	5.32	0	0.0
Calanus finmarchicus AF	80	2.20	3641	5.3
Calanus finmarchicus AM	26	5.32	489	0.7
Calanus finmarchicus C5	87	0.63	13707	19.8
Calanus finmarchicus C4	112	2.20	5097	7.4
Calanus finmarchicus C3	1	5.32	19	0.0
Calanus finmarchicus C2	0	5.32	0	0.0
Calanus finmarchicus C1	0	5.32	0	0.0
Calanus glacialis AF	22	2.20	1001	1.4
Calanus glacialis AM	0	5.32	0	0.0
Calanus glacialis C5	1	5.32	19	0.0
Calanus glacialis C4	16	5.32	301	0.4
Calanus glacialis C3	5	5.32	94	0.1
Calanus glacialis C2	0	5.32	0	0.0
Calanus glacialis C1	0	5.32	0	0.0
Metridia longa AF	44	2.20	2003	2.9
Metridia longa AM	0	5.32	0	0.0
Metridia longa C5	3	5.32	56	0.1
Metridia longa C4	0	5.32	0	0.0
Metridia longa C3, C2, C1	0	5.32	0	0.0
Pseudocalanus minutus AF	42	0.63	6617	9.6
Pseudocalanus minutus AM	1	5.32	19	0.0
Pseudocalanus minutus C5	14	5.32	263	0.4
Pseudocalanus minutus C4	6	5.32	113	0.2
Pseudocalanus spp. C3, C2, C1	0	5.32	0	0.0
Scolecithricella sp. all	0	2.20	0	0.0
Other large copepods (> 2mm)	1	2.20	46	0.1
Other small copepods (< 2mm)	3	2.20	137	0.2
Copepod nauplii	55	0.05	112705	163.2
Unid. calanoid copepodids	57	0.63	8981	13.0
Microcalanus spp. AFM	18	2.20	819	1.2
Olithona spp. all	269	0.05	551230	798.2
Oncaea spp. all	68	0.63	10714	15.5
Harpacticoids all	0	2.20	0	0.0
Appendicularians	0	2.20	0	0.0
Amphipods	7	2.20	319	0.5
Ostracods	4	2.20	182	0.3
Gelatinous zooplankton	0	2.20	0	0.0
Misc. Invert. larvae	1	2.20	46	0.1
Other zooplankton	0	2.20	0	0.0
Euphausiid adults	3	2.20	137	0.2
Euphausiid adolescents	4	2.20	182	0.3
Euphausiid furcillae	0	2.20	0	0.0
Euphausiid calyptopes	0	2.20	0	0.0
Euphausiid nauplii	0	2.20	0	0.0
Chaetognaths, juvenile	61	2.20	2776	4.0
Eukrohnia hamata, adults	0	2.20	0	0.0
Sagitta elegans, adults	0	2.20	0	0.0

NOTES:

Marginal Ice Zone Experiment 1987 Zooplankton abundance data report

Cruise: MIZEX 87 Haul #: 075
 Ship: HAKON MOSBY Net type: 1 m
 Station: 070 Net mesh: 118 um
 Date: 4-8-87 Haul depth: 105-0 m
 Time: 0005
 Latitude: 77 45.4 N Volume
 Longitude: 0 36.5 W filtered: 579.4

Taxonomic Category	Number Counted	Percent Counted	No. in Sample	No./M ³
Calanus hyperboreus AF	1	5.30	10	0.0
Calanus hyperboreus AM	0	5.30	0	0.0
Calanus hyperboreus C5	1	5.30	19	0.0
Calanus hyperboreus C4	0	5.30	0	0.0
Calanus hyperboreus C3	0	5.30	0	0.0
Calanus hyperboreus C2	0	5.30	0	0.0
Calanus hyperboreus C1	0	5.30	0	0.0
Calanus finmarchicus AF	36	5.30	827	1.4
Calanus finmarchicus AM	10	5.30	189	0.3
Calanus finmarchicus C5	77	5.30	1513	2.6
Calanus finmarchicus C4	50	5.30	944	1.6
Calanus finmarchicus C3	2	5.30	38	0.1
Calanus finmarchicus C2	0	5.30	0	0.0
Calanus finmarchicus C1	0	5.30	0	0.0
Calanus glacialis AF	44	5.30	849	1.5
Calanus glacialis AM	0	5.30	0	0.0
Calanus glacialis C5	1	5.30	19	0.0
Calanus glacialis C4	7	5.30	147	0.3
Calanus glacialis C3	0	5.30	0	0.0
Calanus glacialis C2	0	5.30	0	0.0
Calanus glacialis C1	0	5.30	0	0.0
Metridia longa AF	16	5.30	302	0.5
Metridia longa AM	0	5.30	0	0.0
Metridia longa C5	0	5.30	0	0.0
Metridia longa C4	0	5.30	0	0.0
Metridia longa C3, C2, C1	0	5.30	0	0.0
Pseudocalanus minutus AF	50	2.17	2301	4.0
Pseudocalanus minutus AM	0	2.17	0	0.0
Pseudocalanus minutus C5	4	2.17	184	0.3
Pseudocalanus minutus C4	9	2.17	414	0.7
Pseudocalanus spp. C3, C2, C1	3	2.17	138	0.2
Scolecithricella sp. all	1	5.30	19	0.0
Other large copepods (> 2mm)	1	5.30	19	0.0
Other small copepods (< 2mm)	0	5.30	0	0.0
Copepod nauplii	50	0.02	204918	353.7
Unid. calanoid copepodids	67	0.61	10978	18.9
Microcalanus spp. AFM	9	5.30	170	0.3
Oithona spp. all	72	0.02	295082	509.3
Oncaea spp. all	10	2.17	460	0.8
Harpacticoids all	1	2.17	46	0.1
Appendicularians	32	2.17	1473	2.5
Amphipods	4	5.30	76	0.1
Ostracods	7	5.30	132	0.2
Gelatinous zooplankton	0	5.30	0	0.0
Misc. Invert. larvae	0	5.30	0	0.0
Other zooplankton	11	2.17	506	0.9
Euphausiid adults	1	5.30	19	0.0
Euphausiid adolescents	0	5.30	0	0.0
Euphausiid furcillae	3	5.30	57	0.1
Euphausiid calyptopes	0	5.30	0	0.0
Euphausiid nauplii	0	5.30	0	0.0
Chaetognaths, juvenile	18	2.17	828	1.4
Eukrohnia hamata, adults	0	2.17	0	0.0
Sagitta elegans, adults	0	2.17	0	0.0

NOTES: