Zoobenthos Data from the Southern Beaufort Sea, 1971 - 1975

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Fisheries and Marine Service

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ZOOBENTHOS DATA FROM THE SOUTHERN BEAUFORT SEA, 1971-1975

by

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ABSTRACT

Wacasey, J. W., E. G. Atkinson, L. Derick, and A. Weinstein. 1977. Zoobenthos data from the southern Beaufort Sea, 1971-1975. Fish. Mar. Serv. Data Rep. 41: 187 p.

Data on marine and estuarine zoobenthic invertebrates, collected at 106 stations in the southern Beaufort Sea from 1971 to 1975, are presented by station in tabular form. Methods of collecting and processing samples, and directions for presentation of data are given.

Results consist of density and dry-weight biomass of species of invertebrates collected by grab, biomass of species sampled by dredge, biomass of species observed from the submersible *Pisces IV*, and values of elements in the substrate. Associated collecting data are included.

Key words: Zoobenthos: density, biomass, distribution; marine invertebrates; Canada; Arctic; Beaufort Sea; marine sediments.

RESUME

Wacasey, J. W., E. G. Atkinson, L. Derick, and A. Weinstein. 1977. Zoobenthos data from the southern Beaufort Sea, 1971-1975. Fish. Mar. Serv. Data Rep. 41: 187 p.

Des données sur les invertébrés zoobenthiques estuariens et marins prélevés dans 106 stations du sud de la mer de Beaufort, de 1971 à 1975, sont présentées par station, sous forme de tableaux. Nous expliquons les méthodes de prélèvement et de préparation des échantillons et nous donnons des conseils sur la présentation des données.

Les résultats consistent en mesures de la densité et de la biomasse en poids sec des espèces d'invertébrés recueillies au moyen d'une benne, et de la biomasse des espèces recueillies au moyen d'une drague, de la biomasse des espèces observées à partir du submersible *Pisces IV*, et de la quantité de certains éléments du substrat. Nous incluons des données correspondantes sur les prélèvement.

INTRODUCTION

Zoobenthic studies, as part of a multidiscipline program of the Biological Oceanography Section of the Arctic Biological Station, were carried out in the southern Beaufort Sea to provide baseline information for measuring changes that may occur as a result of petroleum exploration and development, and to add to the accumulated data for understanding the nature and magnitude of the role of zoobenthos in the marine ecosystem.

The included data were derived from samples that were collected at 106 stations from 1971 to 1975 in an area delineated by coordinates 69° to 71°22' North Latitude and 129° to 140° West Longitude. Of the 106 stations, 102 were sampled by grab and observations were made at four stations from the submersible *Pisces IV*. Dredges were taken at three of the 102 stations that were sampled by grab. Associated data, such as salinity and temperature, and substrate samples were obtained from most of the stations.

Data from the grab samples, which were taken to measure infauna, are presented in tabular form by station and consist of estimates of density and biomass by species. Results from the dredges and the submersible dives give some estimates of the epifauna, but stations were too few to give a general picture of abundance and distribution of epifaunal species across the continental shelf. Epifaunal estimates are presented separately in tabular form. No attempt was made to combine infaunal and epifaunal values to determine total biomass and density for each station.

The substrate data, listed by station, consist of values for particle-size distribution, pH, nitrate-nitrogen, ammonia-nitrogen, total nitrogen, organic carbon, carbon-nitrogen ratio, calcium, potassium, magnesium, phosphorus, iron, manganese, zinc, copper, and silicon.

Interpretive results based upon some of the included data have been previously published by Wacasey (1974, 1975), but this is the first presentation of detailed station data, substrate data, and data from additional stations.

Related data from other studies carried out by the Biological Oceanography Section of the Arctic Biological Station can be obtained from reports by Bunch (1974), Foy and Hsiao (1976), Grainger (1975), Grainger and Grohe (1975), Grainger and Lovrity (1975), and Hsiao (1976).

METHODS

STATIONS SAMPLED AND COLLECTING GEAR USED

A "Petterson" grab (Foerst, Chicago) was used to sample stations 71-501 to 71-506 in 1971 from M.V. *Salvelinus*.

In 1973 a Wildco Ponar grab was used to sample stations 73-526 to 73-542 from the vessel *North Star of Herschel Island*.

In 1974 a "Petterson" grab and a Wildco Petersen grab were used to sample stations 74-544 to 74-559 from M.V. *Theta*.

In 1975 a "Petterson" grab was used to sample stations 75-565 to 75-568 from the surface of the ice using a helicopter for transportation.

In 1975 a Wildco Petersen grab was used to sample stations 75-569 to 75-575 from *Pandora II*.

In 1975 a "Petterson" grab was used to sample stations 75-604 to 75-613 from M.V. *Salvelinus*.

In 1975 an Ekman grab was used to sample stations A to G and 1 to 200 from a small boat. These samples were taken by a party from Northern Operations, Department of Fisheries and Environment at Whitehorse, Yukon Territory.

In 1975 a "Petterson" grab was used to sample stations 75-005 to 75-034 from a small boat. These stations were sampled by a fisheries group from the Arctic Biological Station.

In 1975 a dredge of our design was used to sample stations 75-570, 75-572, and 75-574 from *Pandora II*.

Four stations were occupied by *Pisces IV*: 74-243 in 1974, and 75-337, 75-339, and 75-341 in 1975. These stations were in the vicinity of Herschel Island.

ASSOCIATED DATA

Associated data, of which most are self-explanatory, are presented in Table 2 and Table 3. Salinity and temperature values are listed for all grab stations in Table 2. An *in situ* probe was used to obtain temperature and salinity values for stations 73-526 to 73-542, 74-544 to 74-559, 75-569 to 75-575, and the 1975 stations A to G and 1 to 200. A few of the salinity values in the last group of stations appear to be atypically high and are questionable.

Calibrated and usually paired reversing thermometers were used to determine temperature values at stations 71-501 to 71-506, 75-565 to 75-568, and 75-604 to 75-613. Salinity values for these stations were determined using a Bissett Berman model 6230 laboratory salinometer.

Temperature values for stations 75-005 to 75-034 were obtained with the use of a hand held thermometer. Salinity values were obtained with a calibrated Goldberg refractometer.

At most stations temperature and salinity values were recorded at depths within 0.5 to 6 m of the bottom depending upon the depth of the stations. Measurements at two stations, both over a depth of 100 m, were taken at distances of 14 and 20 m from the bottom.

ZOOBENTHOS

Kinds of grabs used

Four kinds of grabs were used in sampling the 102 stations:
The "Petterson" grab (Foerst, Chicago) samples an area of 0.065 m^2 and has a volume of about 5 liters.
The Wildco Ponar grab samples an area of 0.05 m^2 and has a volume of about 7.1 liters.
The Wildco Petersen grab samples an area of 0.09 m^2 and has a volume of about 9.7 liters.
The Ekman grab samples an area of 0.023 m^2 and has a volume of about 3.6 liters.

Collecting and processing grab samples

The area sampled by grab at each station varied from 0.23 to 0.39 m^2, with the exception of stations A to G, which were 0.07 m^2, and station 200 which was 0.12 m^2. The number of grabs taken at each station varied with type of grab used. This data can be found in Table 2. In some instances a substrate sample was taken from one half of one grab sample and the remaining portion was discarded, leaving only one half of the grab to be combined with the other grab samples from the station.

Only adequate grab samples were retained. An adequate sample is one in which the grab samples the bottom evenly, samples at least 2 liters of substrate, and is closed when brought to the surface. Depth of penetration into the substrate may vary with type of substrate, but at most stations depth of penetration was from 6 to 10 cm.

After the collection of a set of grabs from a station, substrate and organisms were washed on a stainless steel screen with a mesh size of 0.5 mm. Retained invertebrates and debris were preserved in formalin (1 part formaldehyde with 9 parts water) for transporting to the Arctic Biological Station where they were processed.

Processing consists of sorting, identifying, counting and weighing specimens in each sample.

Each sample was sorted by hand using a Wild M5 dissecting microscope. Specimens were identified to species in most cases and counts of specimens for each species were recorded. Species identification was not attempted for a few taxa, such as nematodes, nemerteans, hydroids, and bryozoans, and although several species may be involved, they were listed by taxon on a collective basis. In a similar manner sponges, bryozoans, hydroids, and other colonial forms were regarded as one individual. Protozoans were arbitrarily excluded from the study. Stations 75-012 to 75-015 (Tables 90 to 93) include freshwater species which were separated but not identified. These species were not included in the Beaufort Sea species list (Table 4).

After sorting and identification, specimens were dried (drying oven at 100°C overnight) and weighed on a Sartorius gravimetric balance to four decimal places. The dry weight excludes tubes and shells, but no effort was made to eliminate gut contents. The calcareous parts of echinoderms and the skeletal parts of sponges are included in the dry weight because of difficulty in separating organic and inorganic parts.

Data are presented on a m^2 basis (Tables 8-108). For each sample number and weight of individuals of each species were multiplied by a factor to convert sample values to m^2 values. As an example, values derived from a sample area of 0.25 m^2 were multiplied by 4 to obtain the m^2 values. The factor was rounded off to the nearest 0.5; thus, a factor of 2.5 (instead of 2.6) was used to multiply values from a sample with an area of 0.39 m^2 in converting to m^2 values. Most species collected by grab were considered to be representative, and their sample values were converted to m^2 equivalents in a consistent manner. In a few cases, as indicated, the sample values were used without converting, because representation of occasionally collected, usually large, epifaunal species could not be assessed.

Density and biomass values for each station are presented in Table 5.

Pieces of terrestrial plants were found in the grab samples at some stations, usually those near shore. Table 7 lists the dry weight of this organic debris by station.

Collecting and processing dredges

In 1975 a dredge of our own design was used to sample the epifauna at stations 75-570, 75-572, and 75-574. The dredge consisted of a metal frame with a net attached. The net was 1 m wide, 2 m long, and had a mesh size of 5 mm. Too few dredges were taken for the data to be of general application. Estimates of biomass for the epifaunal component were obtained for only two of the three stations. The dredge haul at station 75-574 was aborted. Collected species from all three hauls were included in the Beaufort Sea species list (Table 4). Dredge data are presented in Tables 109-111. The estimates include the weight contribution of some infaunal elements that were collected by dredge. No attempt was made to determine total biomass of a station by combining epifaunal and infaunal values. Associated data relating to the dredge hauls are presented in Table 3. Total values are presented in Table 6.

Observations from *Pisces IV*

These comments are related by the senior author.

A familiarization dive was made in *Pisces IV* at station 74-243, located 12 miles northeast of Herschel Island, in 135 m of water on 5 Sep 1974. Incident light became extinguished at a depth of 35 m. During the descent a variety of objects were visible in the murky water; amphipods, copepods, mysids, medusae, ctenophores, and strings of organic matter. The bottom was level, undisturbed by ice keels, and the sediment was fine without rocks. Visibility was 3-4 m. Small mounds and depressions were evident, but epifauna was sparse and patchy, with concentrations no less than 10 or 15 m apart. Species seen during the dive were: burrowing anemones (*Cerianthus ?*), isopods (*Mesidotea*), pycnogonids (*Nymphon*), brittle stars (*Ophiocten sericeum* and *Gorgonocephalus*), asteroids (*Urasterias lincki*, *Icasterias panopla*, *Ctenodiscus crispatus*, *Solaster papposus*), and a fish (sculpin ?). No benthic algae were seen. In one area of about 12 m^2 there were one *Urasterias lincki*, one *Icasterias panopla*, two burrowing anemones, one *Solaster papposus*, several pycnogonids, and some scattered *Ophiocten sericeum*. Based on dried specimens at the Arctic Biological Station, the estimated biomass of epifauna within the 12 m^2 was about 70 g which averages out to 5.7 g m^{-2}.

In 1975 three dives were made in Thetis Bay, immediately south of Herschel Island on the 2nd, 3rd, and 4th of September. Originally, it was planned to sample several areas across the shelf of the southern

Beaufort Sea in order to determine the contribution of epifauna to total biomass; however, ice conditions restricted diving to the three sites in Thetis Bay.

A metal frame, which was one square meter in size, was held by the arm of the submersible in front of the viewing port and counts of epifauna, large animals that were seen with the unaided eye, were made at intermittant stops of the submersible. The metal frame had a diagonal brace, so counts could be made in the whole square or in half of the square.

The dive at station 75-337 was made in depths of water of 45 to 56 m. Counts of the most abundant species, *Ophiocten sericeum*, were made within the whole frame of 1 m^2. The range of counts was 7-19 m^{-2} as observed within 16 frame counts averaging 14.5 *Ophiocten sericeum* m^{-2}. The calculated biomass (dry weight) was 1.64 m^{-2}. One *Mesidotea* and one *Ophiopleura borealis* were observed within one of the 16 frame counts. The dry weight of each of these was about 1 g, which averages about 0.13 g m^{-2}, thus bringing the epifaunal biomass to 1.77 g m^{-2} at this station.

The dive at station 75-339 occurred in 20 to 30 m depth of water. Counts of *Mesidotea* sp., the only genus observed within the 34 one-half m^2 frames, were 0-3 m^{-2}, translating into 28 individuals in 17 m^2, resulting in an average of 1.65 individuals m^{-2}. Biomass was estimated to be 1.86 g m^{-2}. Other species observed, but not within the frame, were *Urasterias lincki*, *Ctenodiscus crispatus*, and either *Buccinum* or *Neptunea* with its egg mass.

The dive at station 75-341 was made in 18 to 22 m of water along the ridge separating the basin of Thetis Bay from Herschel Trench. Some incident light reaches the bottom at these depths. Scouring was severe giving rise to a mosaic of scoured trenches and undisturbed areas. Random frame counts were not attempted at this station, but the distribution of epifauna appeared to be patchy in the undisturbed areas. One *Urasterias lincki* and one *Mesidotea* sp. were observed in the scours. In the undisturbed areas the above species, along with *Cerianthus* sp., *Gersemia rubiformis*, *Pecten* sp., a sponge, and some hydroids were seen.

Results from the submersible observations are presented in Table 6.

SEDIMENT ANALYSIS

Samples of sediment were obtained from the 1973, 1974, and some of the 1975 stations. Approximately one liter of substrate, collected by grab from each station, was frozen for transportation to and storage at the Arctic Biological Station pending analysis.

Mechanical and chemical analyses of sediments were made by the Macdonald College Soil Testing Laboratory under the supervision of A. F. MacKenzie. Synoptic procedures provided by Dr. MacKenzie are presented below. Where applicable, values are related to 1 g of oven-dried sediment. In most cases the values of the determined substances are presented as levels of the substances in forms that are available to zoobenthos and phytobenthos; however, the significance and relationship of the substances to the biota remain to be evaluated. Data from sediment analyses are presented in Tables 112-115.

Synoptic procedures for sediment analysis

1. Particle size analysis was made by the hydrometer method described by Day (1). Three fractions were recognized; particles of 0.05-2.00 mm, particles of 0.002-0.05 mm, and particles less than 0.002 mm effective diameter.

   For this report, values were transformed to the Wentworth Scale, with particle-size fractions of 0.063-2.00 mm, 0.004-0.063 mm, and less than 0.004 mm.

2. pH was determined with a glass calomel electrode combination on a suspension of sample/0.01M $CaCl_2$ in a 1:3 ratio.

3. Nitrogen was determined for total and inorganic forms of nitrogen. Total nitrogen was determined by the semi-micro Kjeldahl procedure described by Bremner (2).

   Inorganic forms of nitrogen were extracted with 1N KCl from freshly thawed samples by modification of the method described by Bremner (3). Nitrate and ammonia levels in the extracts were determined colorimetrically by the methods currently in use at the Macdonald College Soil Testing Laboratory.

4. Organic carbon was determined by the Walkley-Black procedure as described by Allison (4).

5. Potassium, calcium, and magnesium were extracted by the procedure described by Jackson (5) with a sample/extractant ratio of 1:10 and an extraction time of 15 minutes. Potassium was determined by flame photometry and calcium and magnesium were determined by atomic absorption spectrophotometry.

6. Phosphorus was extracted using a modification of the procedure for available P (phosphorus soluble in dilute acid-fluoride) as described by Jackson (6). The sample/extractant ratio was 1:10 with an extraction time of 1 minute. Determination was made by the chlorostannous-reduced molybdophosphoric blue color method (7) adapted to automated analysis.

7. Total phosphorus was obtained from dried ground samples digested with 60% perchloric acid ($HC1O_4$) by the method described in Black (9). Total P was determined colorimetrically according to Jackson (8) by the vanadomolybdophosphoric yellow color method at 470 mμ.

8. Iron, manganese, and zinc were extracted from samples using 1N HCl with a sample/extractant ration of 1:10 and an extraction time of 30 minutes. Concentrations in the extracts were determined by atomic absorption spectrophotometry (10).

9. Copper was obtained by the EDTA extraction method as modified by Makhan (11). Sample/extractant ratio was 1:10 with an extraction time of 30 minutes. Extracted copper concentrations were determined by atomic absorption spectrophotometry.

10. Silicon was extracted by the method described by McKeague and Cline (12). Dried ground sediments were shaken in a 1:1 ratio with 0.01 M $CaCl_2$ for 24 hours and centrifuged. Supernatant was diluted and silicon content was determined colorimetrically at 830 mμ after reduction of the yellow silicomolybdate complex according to the method of Voinovitch et al. (13).

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Dr Karin Riemann-Zürneck of the Institut für Meeresforschung, Bremerhaven, W. Germany, identified the anemones, and Dr. Irene Lubinsky of the University of Manitoba, Winnipeg, identified some of the pelecypods.

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Appreciation is extended to personnel of M.V. *Theta*, *Pandora II*, *Pisces IV*, and Polar Continental Shelf for providing logistical support.

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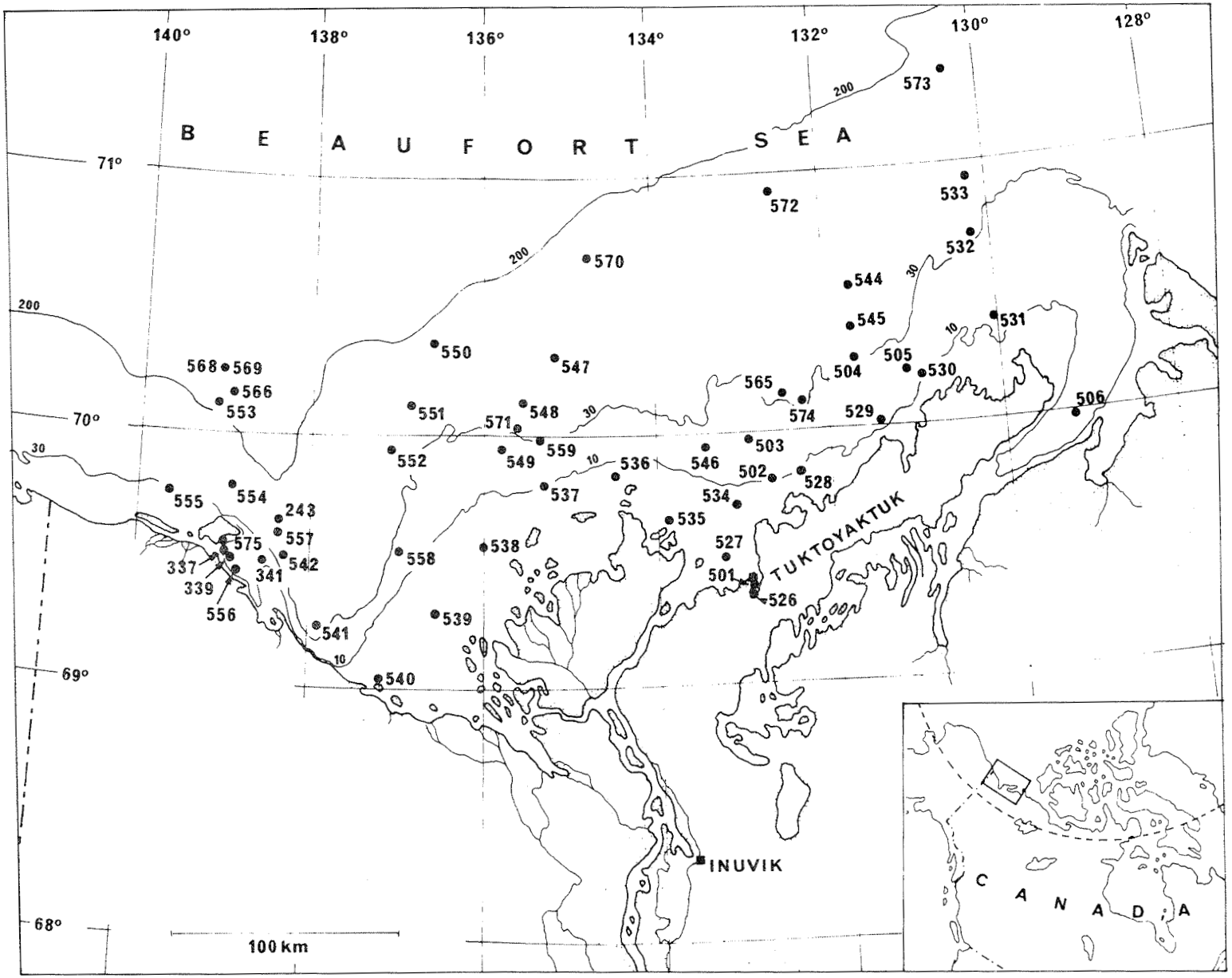

Fig. 1. Stations sampled in the southern Beaufort Sea, 1971-1975. Annual prefix of station is omitted.

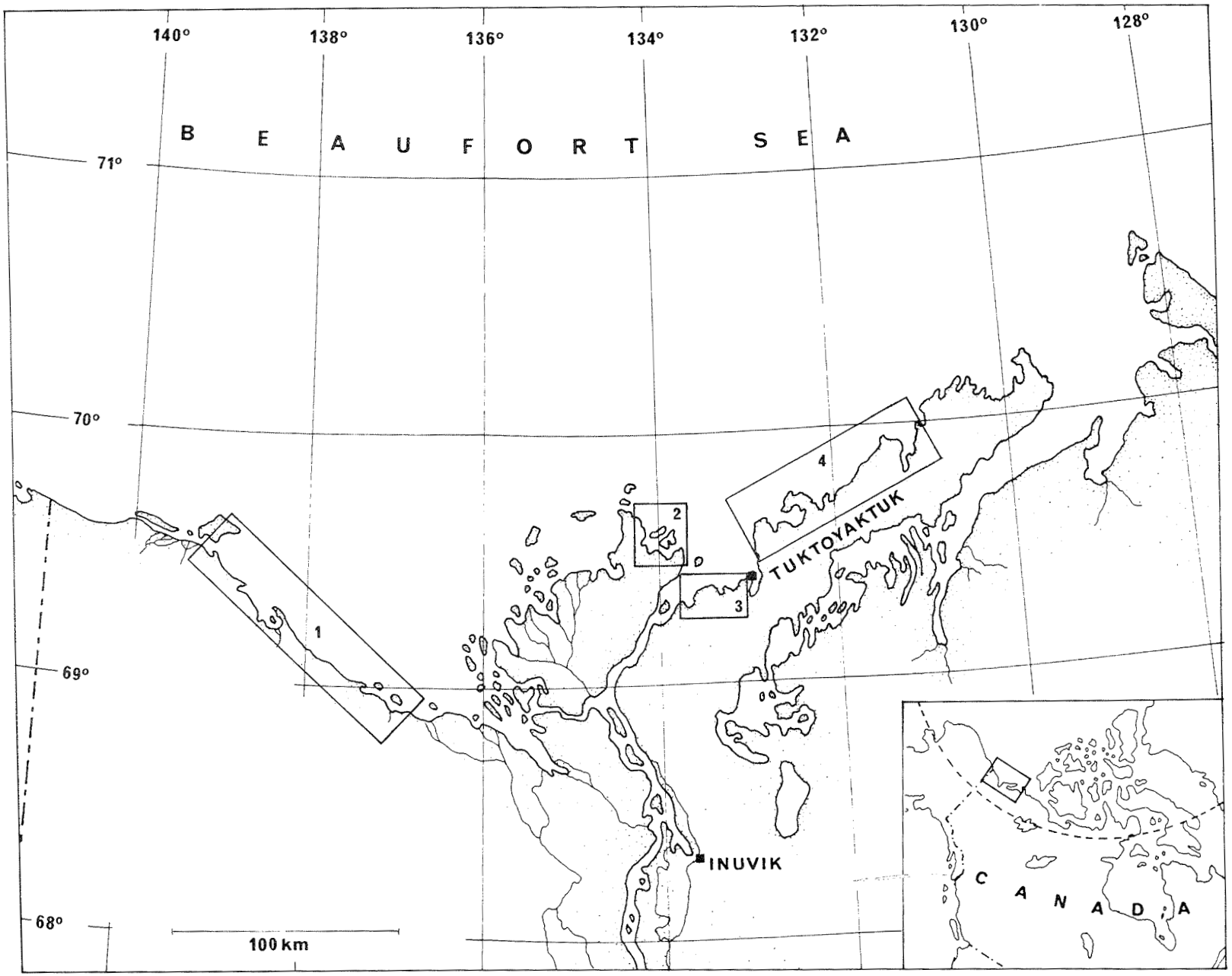

Fig. 2. Areas (indicated by rectangles) that were sampled in 1975 in shallow waters along the coast of the southern Beaufort Sea.

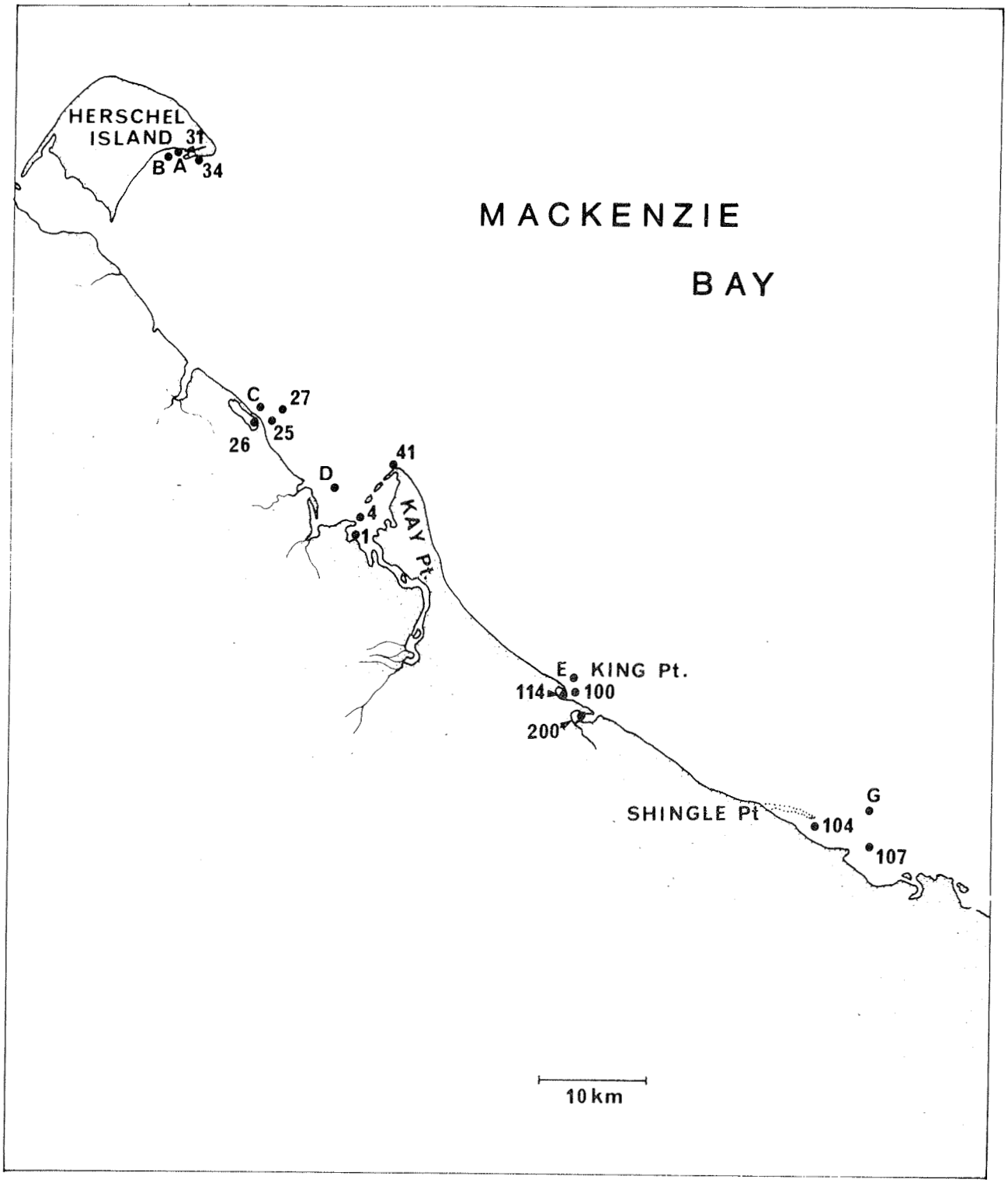

Fig. 3. Stations sampled along the Yukon Coast, 1975 (area indicated by rectangle 1 in Fig. 2).

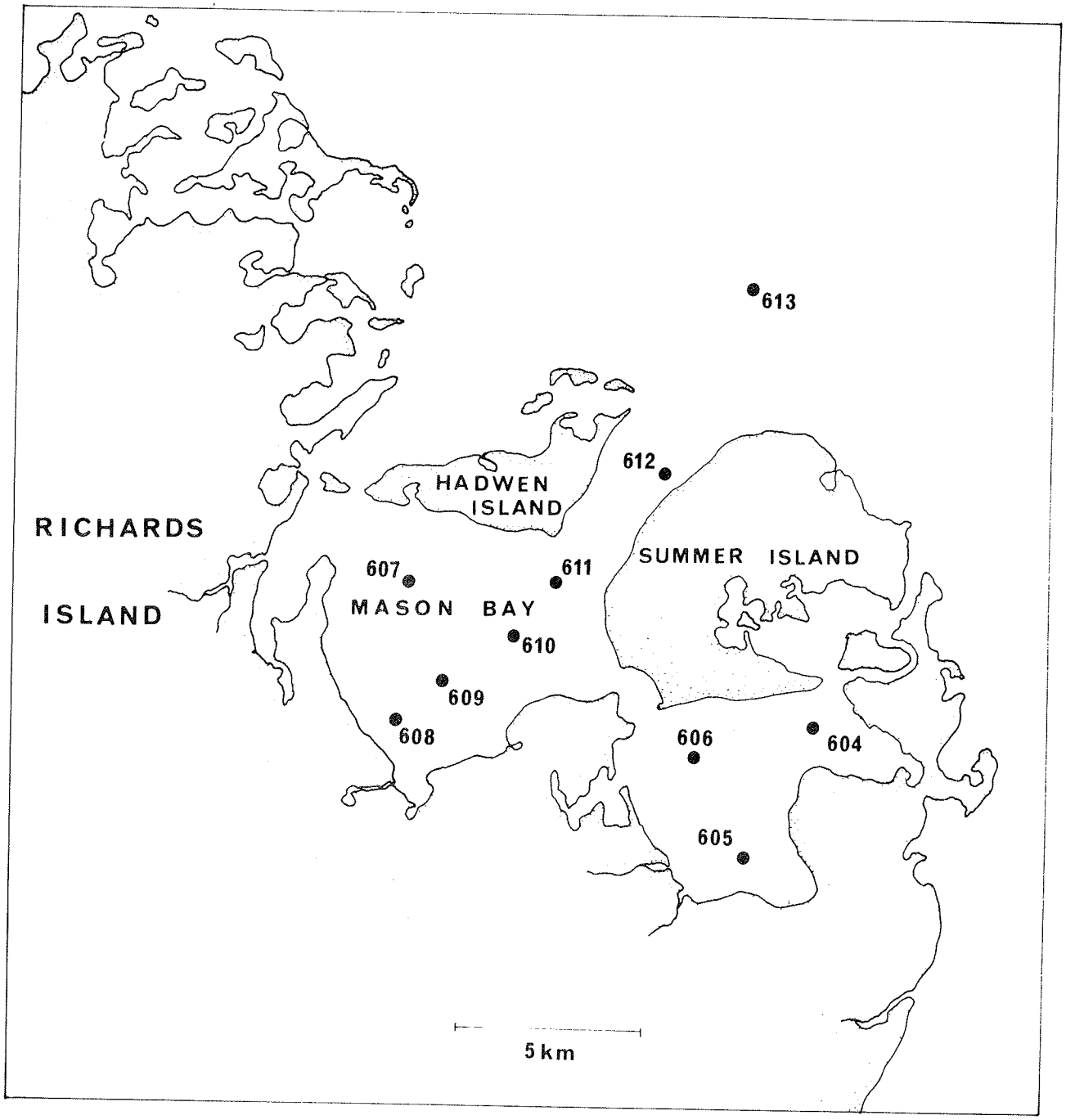

Fig. 4. Stations sampled in Mason Bay, 1975 (area indicated by rectangle 2 in Fig. 2).

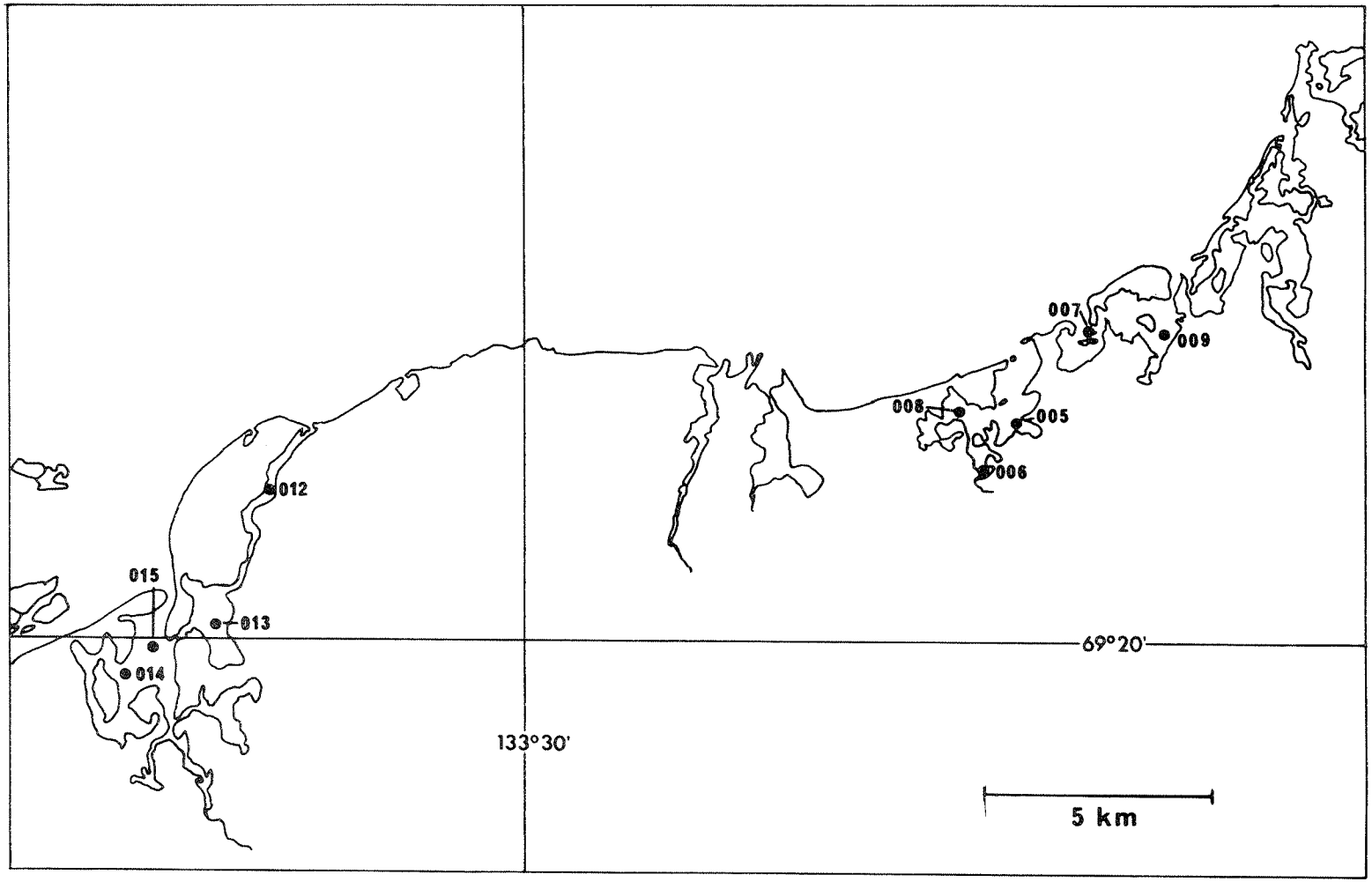

Fig. 5. Stations sampled in Kugmallit Bay, 1975 (area indicated by rectangle 3 in Fig. 2).

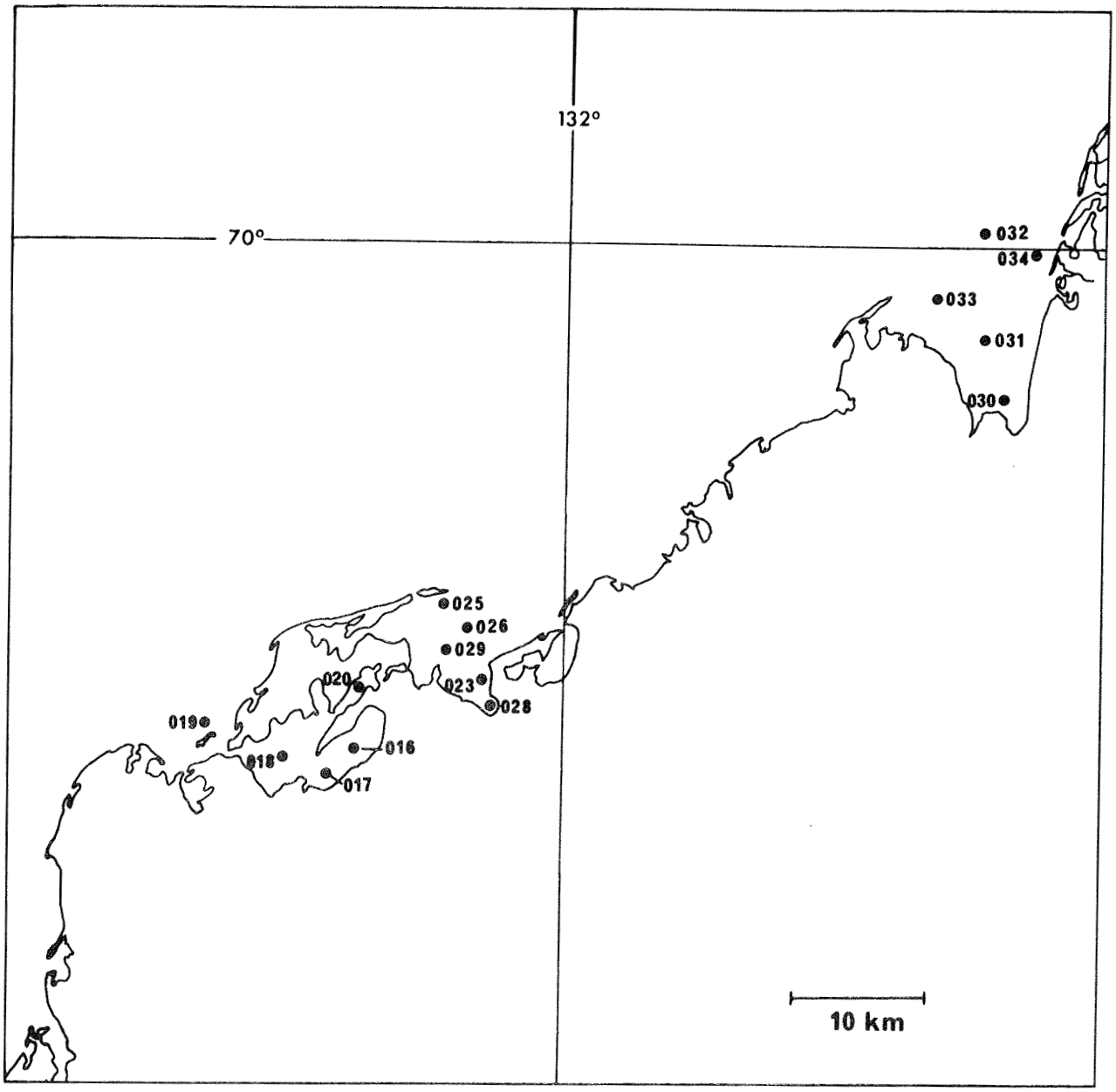

Fig. 6. Stations sampled along Tuktoyaktuk Peninsula, 1975 (area indicated by rectangle 4 in Fig. 2).

Table 1. Coordinates of stations sampled in the southern Beaufort Sea, 1971-1975.

Station Number	North Latitude	West Longitude
71-501	69°24.4'	132°58.9'
71-502	69°49.3'	132°41.5'
71-503	69°58.4'	132°57'
71-504	70°16'	131°40'
71-505	70°13.2'	131°06'
71-506	69°59.4'	129°13.2'
73-526	69°23.7'	132°59.6'
73-527	69°30'	133°15'
73-528	69°50'	132°22'
73-529	70°01'	131°26'
73-530	70°11'	130°50'
73-531	70°23'	130°01'
73-532	70°43'	130°14'
73-533	70°56'	130°14'
73-534	69°43'	133°06'
73-535	69°40'	133°53'
73-536	69°50'	134°30'
73-537	69°48'	135°17'
73-538	69°33'	136°00'
73-539	69°17'	136°34'
73-540	69°02'	137°12'
73-541	69°14'	137°54'
73-542	69°32'	138°18'
74-544	70°33.4'	131°42.8'
74-545	70°23.2'	131°42.8'
74-546	69°56.6'	133°27.1'
74-547	70°18'	135°10.2'
74-548	70°08.1'	135°34.3'
74-549	69°56.2'	135°47.8'
74-550	70°21.1'	136°36.3'
74-551	70°06.9'	136°50.2'
74-552	69°56.2'	137°04.7'
74-553	70°05.4'	139°08.2'
74-554	69°47.4'	138°55.7'
74-555	69°44.9'	139°36.7'
74-556	69°27'	138°48.5'
74-557	69°36.3'	138°21'
74-558	69°32.8'	136°58.1'
74-559	69°59.7'	135°21'
74-243	69°39.2'	138°18.4'

Table 1. (cont'd.)

Station Number	North Latitude	West Longitude
75-565	70°08'	132°37'
75-566	70°06'	138°56'
75-568	70°14'	139°04'
75-569	70°14'	139°04'
75-570	70°42'	134°45'
75-571	70°02'	135°34'
75-572	70°56'	132°33'
75-573	71°22'	130°24'
75-574	70°07'	132°17'
75-575	69°33'	138°56'
75-604	69°32.3'	133°52.5'
75-605	69°30.3'	133°55'
75-606	69°31.8'	133°57'
75-607	69°34.3'	134°09'
75-608	69°32.3'	134°09.4'
75-609	69°32.9'	134°07.5'
75-610	69°33.5'	134°05'
75-611	69°34.3'	134°03'
75-612	69°35.9'	133°58.5'
75-613	69°38.5'	133°55'
75-337	69°30.2'	138°52.3'
75-339	69°32.2'	138°53.4'
75-341	69°29'	138°30.9'
A	69°34.3'	138°56'
B	69°34'	138°57'
C	69°21'	138°43'
D	69°17'	138°32'
E	69°07'	137°57'
G	69°00.5'	137°13'
1	69°14.5'	138°29'
4	69°15.5'	138°28'
25	69°20.5'	138°42'
26	69°20.5'	138°44'
27	69°21'	138°40'
31	69°34.2'	138°56'
34	69°34'	138°53'
41	69°18'	138°24'
100	69°06.5'	137°57'
104	68°59'	137°21'
107	68°58'	137°13'
114	69°06'	137°58.5'
200	69°04.8'	137°56'

Table 1. (cont'd.)

Station Number	North Latitude	West Longitude
75-005	69°22.7'	133°12.5'
75-006	69°22'	133°13.7'
75-007	69°23.8'	133°09.7'
75-008	69°22.9'	133°14.6'
75-009	69°23.8'	133°07'
75-012	69°21.7'	133°39.2'
75-013	69°20.2'	133°40.8'
75-014	69°19.5'	133°44.4
75-015	69°19.9'	133°43.2'
75-016	69°39.3'	132°23.9'
75-017	69°38.2'	132°27.8'
75-018	69°38.8'	132°32.8'
75-019	69°40.2'	132°42.2'
75-020	69°41.6'	132°24.1'
75-023	69°42.4'	132°09.2'
75-025	69°45.2'	132°14.5'
75-026	69°43.8'	132°12.1'
75-028	69°40.9'	132°08.3'
75-029	69°43.2'	132°14'
75-030	69°54.1'	131°07.9'
75-031	69°56.5'	131°09.9'
75-032	70°00.7'	131°09.6'
75-033	69°58.2'	131°17.4'
75-034	69°59.9'	131°04.8'

Table 2. Associated data for stations sampled by grab in the southern Beaufort Sea, 1971-1975.

Station	Date	Time (PST)	Time (GMT)	No. of grabs	Sampled area (m^2)	Depth (m)	Temp. (°C)	Sal. (‰)
71-501	17 Jul 71	1945	0345	6	0.39	24	2.47	26.91
71-502	18 Jul 71	1810	0210	6	0.39	10	2.05	26.61
71-503	19 Jul 71	1114	1914	6	0.39	19	-1.10	30.70
71-504	19 Jul 71	0735	1535	6	0.39	38	-1.25	31.58
71-505	19 Jul 71	1315	2115	6	0.39	17	-0.95	31.34
71-506	20 Jul 71	1350	2150	6	0.39	13	3.1	26.69
73-526	20 Jul 73	0945	1745	5	0.25	8	4.6	16.5
73-527	20 Jul 73	1415	2215	5	0.25	5	10.0	5.0
73-528	22 Jul 73	1415	2215	5	0.25	7	8.0	6.9
73-529	22 Jul 73	1810	0210	5	0.25	12	7.0	9.6
73-530	23 Jul 73	0800	1600	5	0.25	9	6.6	12.7
73-531	23 Jul 73	1240	2040	5	0.25	15	6.3	15.5
73-532	23 Jul 73	1800	0200	5	0.25	36	-0.5	32.4
73-533	23 Jul 73	2130	0530	5	0.25	42	-0.8	32.8
73-534	24 Jul 73	1545	2345	5	0.25	7	5.4	9.3
73-535	25 Jul 73	1600	2400	5	0.25	6	6.3	7.8
73-536	25 Jul 73	1930	0330	5	0.25	9	2.8	13.0
73-537	25 Jul 73	2245	0645	5	0.25	9	0.6	24.4
73-538	26 Jul 73	1115	1915	5	0.25	5	8.5	4.6
73-539	26 Jul 73	1500	2300	5	0.25	3	16.6	0.1
73-540	26 Jul 73	1950	0350	5	0.25	4	8.7	10.5
73-541	27 Jul 73	1140	1940	5	0.25	34	-0.1	30.1
73-542	27 Jul 73	1730	0130	5	0.25	94	-1.3	32.3
74-544	27 Aug 74	0830	1630	4.5	0.29	41	-1.50	31.13
74-545	27 Aug 74	1140	1940	4	0.26	37	-1.51	30.99
74-546	27 Aug 74	1945	0345	4	0.26	21	-1.54	30.12
74-547	28 Aug 74	2245	0645	4	0.26	56	-1.44	31.96
74-548	29 Aug 74	2245	0645	4	0.26	44	-1.53	31.46
74-549	30 Aug 74	0715	1515	4	0.26	24	-1.58	30.42
74-550	30 Aug 74	1620	0020	4	0.26	58	-1.41	32.13
74-551	30 Aug 74	2220	0620	4	0.26	42	-1.53	31.66
74-552	31 Aug 74	0715	1515	4	0.26	40	-1.50	32.16
74-553	31 Aug 74	2230	0630	3.5	0.32	215	-0.31	34.31
74-554	1 Sep 74	0915	1715	3.5	0.32	106	-1.49	32.45
74-555	1 Sep 74	1230	2030	3.5	0.29	34	-1.54	32.00
74-556	1 Sep 74	1745	0145	4	0.26	54	-1.58	32.40
74-557	2 Sep 74	0915	1715	3	0.27	125	-1.49	32.50
74-558	2 Sep 74	1330	2130	4	0.26	23	-1.55	30.07
74-559	2 Sep 74	1930	0330	4	0.26	32	-1.57	30.94

Table 2. (cont'd.)

Station	Date	Time (PST)	Time (GMT)	No. of grabs	Sampled area (m^2)	Depth (m)	Temp. (°C)	Sal. (‰)
75-565	17 Jun 75	1600	2400	4	0.25	31	-1.56	31.60
75-566	5 Jul 75	1930	0330	4	0.25	318	0.00	34.61
75-568	18 Jul 75	1845	0245	4	0.25	408	0.40	34.55
75-569	5 Aug 75	0145	0945	3	0.25	441	0.37	34.81
75-570	5 Aug 75	1400	2200	3	0.25	55	-1.44	31.55
75-571	6 Aug 75	1410	2210	3	0.25	37	-1.54	31.68
75-572	7 Aug 75	1200	2000	3	0.25	65	-1.49	32.27
75-573	7 Aug 75	2130	0530	3	0.25	70	-1.47	32.38
75-574	8 Aug 75	1045	1845	3	0.25	32	-0.17	>29.15
75-575	9 Aug 75	1245	2045	3	0.25	10	3.67	21.82
75-604	13 Jul 75	0915	1715	4	0.25	4	7.50	4.09
75-605	13 Jul 75	1430	2230	4.5	0.30	15	-0.28	15.44
75-606	13 Jul 75	1815	0215	4.5	0.30	15	-0.29	11.60
75-607	14 Jul 75	1030	1830	4.5	0.30	26	1.53	18.41
75-608	14 Jul 75	1410	2210	4.5	0.30	4	8.50	10.61
75-609	14 Jul 75	1610	0010	4.5	0.30	11	1.32	18.08
75-610	14 Jul 75	1845	0245	4.5	0.30	18	1.50	18.37
75-611	15 Jul 75	1050	1850	4.5	0.30	3	10.02	3.94
75-612	17 Jul 75	1050	1850	4.5	0.30	7	12.20	< 2.8
75-613	17 Jul 75	1225	2025	4.5	0.30	4	7.37	18.28
A	13 May 75	-	-	3	0.07	6	-0.8	10.5
B	10 May 75	-	-	3	0.07	9	-1.2	22.0
C	16 May 75	-	-	3	0.07	7	-1.0	13.1
D	16 May 75	-	-	3	0.07	7	-1.1	2.2
E	12 May 75	-	-	3	0.07	16	-1.8	30.1
G	17 May 75	-	-	3	0.07	4.5	-0.2	< 1.0
1	24 Jul 75	-	-	10	0.23	1.4	9.1	7.5
4	24 Jul 75	-	-	10	0.23	1.3	9.1	8.1
25	23 Jul 75	-	-	10	0.23	2.5	9.1	8.0
26	18 Jul 75	-	-	10	0.23	2.5	2.5	>40.0
27	23 Jul 75	-	-	10	0.23	12.5	1.0	26.2
31	20 Jul 75	-	-	10	0.23	3.5	6.3	16.4
34	21 Jul 75	-	-	10	0.23	3.0	6.5	18.8
41	24 Jul 75	-	-	10	0.23	1.8	9.0	8.1
100	17 Jul 75	-	-	10	0.23	13.0	1.0	28.3
104	16 Jul 75	-	-	10	0.23	3.0	0.3	26.2
107	16 Jul 75	-	-	10	0.23	2.8	1.6	27.5
114	29 Jul 75	-	-	10	0.23	2.6	9.7	37.6
200	30 Jul 75	-	-	5	0.12	3.0	9.8	3.5

Table 2. (cont'd.)

Station	Date	Time (PST)	Time (GMT)	No. of grabs	Sampled area (m^2)	Depth (m)	Temp. (°C)	Sal. (‰)
75-005	7 Jul 75	1000	1800	4	0.25	2	12.0	<0.5
75-006	7 Jul 75	1500	2300	4	0.25	3	12.0	<0.5
~~75-007~~	11 Jul 75	1400	2200	4	0.25	2	12.0	<0.5
75-008	10 Jul 75	2030	0430	4	0.25	2	12.0	<0.5
75-009	11 Jul 75	1430	2230	4	0.25	2	12.0	<0.5
75-012	19 Jul 75	1730	0130	4	0.25	5	12.0	<0.5
75-013	19 Jul 75	1800	0200	4	0.25	7	12.0	<0.5
75-014	20 Jul 75	1500	2300	4	0.25	5	12.0	<0.5
75-015	20 Jul 75	1530	2330	4	0.25	5	12.0	<0.5
75-016	26 Jul 75	1430	2230	4	0.25	4	9.0	5.0
75-017	26 Jul 75	1600	2400	4	0.25	4	9.0	6.0
75-018	26 Jul 75	1715	0115	4	0.25	4	9.2	6.0
75-019	29 Jul 75	1330	2130	4	0.25	2	10.1	7.5
75-020	29 Jul 75	1530	2330	4	0.25	3	8.9	7.0
75-023	4 Aug 75	1630	0030	4	0.25	4	7.8	17.0
75-025	5 Aug 75	1300	2100	4	0.25	3	7.6	14.0
75-026	5 Aug 75	1330	2130	4	0.25	3	7.4	19.5
75-028	8 Aug 75	0930	1730	4	0.25	4	8.1	14.5
75-029	8 Aug 75	1130	1930	4	0.25	2	7.8	14.0
75-030	15 Aug 75	1015	1815	4	0.25	5	8.5	13.5
75-031	15 Aug 75	1110	1910	4	0.25	7	9.3	12.0
75-032	16 Aug 75	1210	2010	4	0.25	7	8.9	11.5
75-033	16 Aug 75	1335	2135	4	0.25	5	9.7	10.0
75-034	17 Aug 75	0925	1725	4	0.25	8	8.8	13.5

Table 3. Associated data for stations sampled by dredge, 1975, and stations occupied by *Pisces IV* in the southern Beaufort Sea, 1974, 1975.

Station	Date	Time (PST)	Time (GMT)	Depth (m)	Time on bottom (min.)	Speed of ship (knots)	Area dredged (m^2)
75-570	6 Aug 75	1645	0045	55	13	2	803
75-572	7 Aug 75	1330	2130	65	16	2	988
75-574	8 Aug 75	1245	2045	32	5+	4	?
74-243	5 Sep 74	0840	1640	135	50	-	-
75-337	2 Sep 75	0800	1600	55	85	-	-
75-339	3 Sep 75	0910	1710	30	87	-	-
75-341	4 Sep 75	1025	1825	20	45	-	-

Table 4. Species of invertebrates collected from stations in the southern Beaufort Sea, 1971-1975.

Species	No.	Species	No.
ANNELIDA:Hirudinea	1	*Euchone papillosa*	
Leech		*Eucranta villosa*	
		Exogone naidina	
ANNELIDA:Oligochaeta	2	*Flabelligera mastigophora*	
Peloscolex sp.		*Gattyana cirrosa*	
Oligochaete		*Glyphanostomum pallescens*	
		Harmothoe extenuata	
ANNELIDA:Polychaeta	109	*Harmothoe imbricata*	
Aglaophamus malmgreni		*Harmothoe nodosa*	
Ammotrypane breviata		*Hartmania moorei*	
Ammotrypane cylindricaudatus		*Heteromastus filiformis*	
Ampharete acutifrons		*Lanassa nordenskioldi*	
Ampharete arctica		*Laonice cirrata*	
*Ampharete goesi**		*Laonome kroyeri*	
Ampharete vega		*Leaena abranchiata*	
Amphicteis sundevalli		*Leiochone polaris*	
Amphitrite groenlandica		*Lumbriclymene minor*	
*Antinoella badia**		*Lumbrineris fragilis*	
Antinoella sarsi		*Lumbrineris minuta*	
Apistobranchus tullbergi		*Lumbrineris tenuis*	
Aricidea suecica		*Lysippe labiata*	
Aricidea sp.		*Malacoceros fuliginosus*	
Artacama proboscidea		*Maldane sarsi*	
Autolytus sp.		*Melaenis loveni**	
Brada villosa		*Melinna cristata*	
Brada sp.		*Micronephthys minuta*	
Branchiomma infarcta		*Myriochele heeri*	
Capitella capitata		*Nephtys ciliata*	
Chaetozone setosa		*Nephtys paradoxa*	
Chaetozone sp.*		*Nephtys longosetosa*	
Chaetozone sp.		*Nereimyra aphroditoides*	
Chitinopoma fabricii		*Nereis zonata*	
Chone duneri		*Nicolea* sp.	
Chone infundibuliformis		*Nicomache quadrispinata**	
Chone sp.		*Onuphis conchylega*	
Cirratulid ?		*Onuphis quadricuspis*	
Cirratulus cirratus		*Orbinia* sp.	
Cossura longocirrata		*Owenia fusiformis*	
Diplocirrus glaucus		*Paraonis gracilis*	
Dysponetus pygmaeus		*Paraonis* sp. b	
Enipo torelli		*Pectinaria hyperborea*	
Ephesiella biserialis		*Petaloproctus tenuis*	
Ephesiella minuta		*Pholoe minuta*	
Eteone longa			
Euchone analis			

Table 4. (cont'd.)

Species	No.	Species	No.
ANNELIDA:Polychaeta			
Phyllodoce groenlandica		*Arrhis phyllonyx*	
Phyllodoce mucosa		*Atylus carinatus*	
*Pista flexuosa**		*Bathymedon obtusifrons*	
Pista maculata		*Boeckosimus affinis*	
Polydora aggregata		*Boeckosimus plautus*	
Polydora caeca		*Byblis gaimardi*	
Polydora caulleryi		*Centromedon calcaratus*	
Polydora quadrilobata		*Cercops holbolli*	
Praxillella affinis		*Corophium* sp.	
Praxillella praetermissa		*Dulichia porrecta*	
Praxillura longissima		*Ericthonius tolli*	
Prionospio cirrifera		*Gammaracanthus loricatus*	
Prionospio steenstrupi		*Gammaropsis maculata*	
Pseudoscalibregma sp.		*Gammarus oceanicus*	
*Pygospio elegans**		*Gammarus setosus*	
Rhodine loveni		*Guernea nordenskioldi*	
Sabellides borealis		*Haploops laevis*	
Sabellides octocirrata		*Haploops tubicola*	
Scalibregma inflatum		*Harpinia serrata*	
Scoloplos armiger		*Harpinia* sp.	
Scoloplos sp.		*Hippomedon abyssi*	
Sphaerodorum gracile		*Hippomedon propinquus*	
Spiochaetopterus typicus		*Hippomedon* sp.	
Stauronereis caecus		*Hyperia galba**	
Sternaspis scutata		*Ischyrocerus commensalis*	
Syllis cornuta		*Ischyrocerus latipes*	
Terebellides stroemi		*Ischyrocerus megalops*	
Tharyx acutus		*Lembos arcticus*	
Trochochaeta carica		*Melita formosa*	
		Melita sp.	
ARTHROPODA:Amphipoda	71	*Metopa bruzelii*	
Acanthostepheia behringiensis		*Metopa* sp.	
Acanthostepheia malmgreni		*Metopella nasuta*	
Aceroides l. latipes		*Monoculodes longirostris*	
Aceroides sp.		*Monoculodes* sp.	
Ampelisca eschrichti		*Monoculopsis longicornis*	
Ampelisca macrocephala		*Onisimus glacialis*	
Anonyx lilljeborgi		*Onisimus litoralis*	
Anonyx nugax		*Orchomene pinguis*	
Anonyx sarsi		*Paraphoxus oculatus*	
Anonyx sp.		*Parathemisto abyssorum*	
Argissa hamatipes		*Parathemisto libellula**	
Arrhinopsis longicornis		*Pardaliscella malygini*	
		Paroediceros lynceus	
		Paronesimus barentsi	

Table 4. (cont'd.)

Species	No.
ARTHROPODA:Amphipoda	
Photis reinhardi	
Pontoporeia affinis	
Pontoporeia femorata	
Priscillina armata	
Protomedeia fasciata	
Protomedeia grandimana	
Rhachotropis sp.	
*Stegocephalus inflatus**	
*Tmetonyx cicada**	
Tryphosella schneideri	
Tryphosella sp.	
Westwoodilla brevicalar	
Westwoodilla caecula	
Westwoodilla megalops	
ARTHROPODA:CUMACEA	16
Brachydiastylis resima	
Cumella sp.	
Diastylis echinata	
Diastylis edwardsi	
Diastylis goodsiri	
Diastylis oxyrhyncha	
Diastylis rathkei	
Diastylis scorpioides	
Diastylis sulcata	
Eudorella emarginata	
Eudorella truncatula	
Eudorellopsis deformis	
Leucon acutirostris	
Leucon fulvus	
Leucon nasica	
Leucon nasicoides	
ARTHROPODA:Decapoda	2
*Eualus gaimardi belcheri**	
Sabinea septemcarinata	
ARTHROPODA:Isopoda	12
Desmosoma lineare	
Eugerda tenuimana	
Eurycope pygmaea	
Gnathia elongata	
Gnathia stygia	
Ilyarachna sp.	
Macrostylis spinifera	
Mesidotea entomon	
Mesidotea sabini	
Mesidotea sibirica	
*Munnopsis typica**	
Synidotea bicuspida	
ARTHROPODA:Mysidacea	3
Mysis litoralis	
Mysis relicta	
Pseudomma sp.	
ARTHROPODA:Ostracoda	8
Cyprideis sorbyana	
Cythereis dunelmensis	
Cythereis sp. a	
Cythereis sp. b	
Cythereis sp. c	
Cytheridea sp.	
Philomedes globosus	
Philomedes sp.	
ARTHROPODA:Pycnogonida	4
*Boreonymphon abyssorum**	
Nymphon grossipes	
*Nymphon hirtipes**	
*Nymphon longitarse**	
ARTHROPODA:Tanaidacea	10
Leptognathia longiremis	
Leptognathia sp. a	
Leptognathia sp. b	
Leptognathia sp. c	
Leptognathia sp. d	
Leptognathia sp. e	
Leptognathia sp. f	
Pseudotanais macrocheles	
Sphyrapus anomalus	
Typhlotanais finmarchicus	
ASCHELMINTHES:Nematoda	1
Nematode	

Table 4. (cont'd.)

Species	No.
BRACHIOPODA	2
Atretia gnomon	
Hemithyris psittacea	
CHORDATA:Ascidiacea	4
Chelyosoma sp.	
Pelonaia corrugata	
Rhizomolgula globularis	
Ascidian	
COELENTERATA:Anthozoa	4
Allantactis parasitica	
Cerianthus? sp.*	
Edwardsia sp.	
Gersemia rubiformis	
COELENTERATA:Hydrozoa	2
Halecium sp.	
Hydrozoan	
ECHINODERMATA:Asteroidea	4
Ctenodiscus crispatus	
*Icasterias panopla**	
*Solaster papposus**	
Urasterias lincki	
ECHINODERMATA:Holothuroidea	4
Myriotrochus rinki	
Holothuroid	
Holothuroid	
Holothuroid	
ECHINODERMATA:Ophiuroidea	7
Amphiura sp.*	
*Gorgonocephalus arcticus**	
*Gorgonocephalus c. caryi**	
*Ophiacantha bidentata**	
Ophiocten sericeum	
*Ophiopleura borealis**	
Ophiura robusta	
ECTOPROCTA	3
Alcyonidium gelatinosum	
Bryozoan	
Bryozoan	
MOLLUSCA:Aplacophora	2
Chaetoderma sp.	
Solenogaster	
MOLLUSCA:Gastropoda	33
Admete couthouyi	
Alvania cruenta	
*Boreotrophon clathratus**	
*Boreotrophon pacificus**	
Buccinum angulosum	
*Buccinum tenue**	
Cingula castanea	
*Colus togatus**	
Cylichna alba	
Cylichna occulta	
Cylichna sp.	
Haminoea solitaria	
Hydrobia minuta	
Lunatia pallida	
Margarites costalis	
Margarites olivaceus	
Natica clausa	
*Neptunea heros**	
Oenopota arctica	
Oenopota decussata	
Oenopota elegans	
Oenopota incisula	
Oenopota novajasemliensis	
Oenopota reticulata	
Oenopota turricula	
Philine finmarchia	
Philine lima	
Retusa obtusa	
Solariella obscura	
Tachyrhynchus erosus	
Tachyrhynchus reticulatus	
*Trichotropis borealis**	
*Volutopsius deformis** (shell)	

Table 4. (cont'd.)

Species	No.	Species	No.
MOLLUSCA:Pelecypoda	36	PLATYHELMINTHES:Turbellaria	1
Astarte borealis		Turbellarian	
Astarte c. crenata			
Astarte montagui		POGONOPHORA	1
Bathyarca glacialis		*Galathealinum arcticum ?*	
Clinocardium ciliatum			
Cyrtodaria kurriana		PORIFERA	1
Dacrydium vitreum		*Phakettia bowerbanki*	
Hiatella arctica			
Liocyma fluctuosa		PRIAPULIDA	3
Lyonsia arenosa		*Halicryptus spinulosus*	
Macoma balthica		*Priapulus bicaudatus*	
Macoma calcarea		*Priapulus caudatus*	
Macoma moesta			
Macoma torelli		SIPUNCULIDA	3
Montacuta maltzani		*Golfingia margaritacea*	
Musculus corrugatus		*Phascolion strombi*	
Musculus discors		Sipunculid	
Musculus niger			
*Mya pseudoarenaria** (shell)		MISCELLANEOUS	1
Mysella tumida		Unidentified invertebrate	
Mytilus edulis			
Nucula belloti		TOTAL	353
Nuculana minuta			
Nuculana pernula			
Pandora glacialis		*Observed from *Pisces IV* or collected by dredge	
Pecten groenlandicus			
Periploma abyssorum			
Portlandia arctica			
Thracia myopsis			
Thyasira gouldi			
Yoldia h. hyperborea			
Yoldiella fraterna			
Yoldiella frigida			
Yoldiella intermedia			
Yoldiella lenticula			
Yoldiella tamara			
MOLLUSCA:Scaphopoda	1		
Siphonodentalium lobatum			
NEMERTINA	2		
Nemertean			
Nemertean			

Table 5. Number of species, density, and biomass of invertebrates collected by grab from stations in the southern Beaufort Sea, 1971-1975.

Station	Date	No. of species	Density (no. m^{-2})	Biomass (g m^{-2})
71-501	17 Jul 71	6	2125	0.04
71-502	18 Jul 71	32	2270	1.89
71-503	19 Jul 71	31	1185	2.59
71-504	19 Jul 71	32	1088	13.57
71-505	19 Jul 71	27	1665	2.67
71-506	20 Jul 71	62	5095	15.89
73-526	20 Jul 73	16	4752	0.95
73-527	20 Jul 73	11	1360	1.77
73-528	22 Jul 73	17	1456	0.40
73-529	22 Jul 73	34	4916	7.28
73-530	23 Jul 73	33	5336	1.42
73-531	23 Jul 73	47	3064	3.90
73-532	23 Jul 73	48	12296	51.25
73-533	23 Jul 73	61	8724	71.37
73-534	24 Jul 73	29	4908	3.52
73-535	25 Jul 73	20	5944	6.39
73-536	25 Jul 73	29	4320	5.40
73-537	25 Jul 73	26	4344	0.88
73-538	26 Jul 73	12	432	1.35
73-539	26 Jul 73	6	88	0.02
73-540	26 Jul 73	4	1012	0.14
73-541	27 Jul 73	45	1756	5.44
73-542	27 Jul 73	57	5764	11.79
74-544	27 Aug 74	71	4963	31.20
74-545	27 Aug 74	27	2044	12.53
74-546	27 Aug 74	21	1828	4.30
74-547	28 Aug 74	30	1744	3.01
74-548	29 Aug 74	28	2008	1.32
74-549	30 Aug 74	27	1052	7.86
74-550	30 Aug 74	47	1372	1.66
74-551	30 Aug 74	34	1052	2.70
74-552	31 Aug 74	31	1256	1.86
74-553	31 Aug 74	53	1125	3.76
74-554	1 Sep 74	55	552	1.03
74-555	1 Sep 74	50	1218	5.50
74-556	1 Sep 74	14	904	1.87
74-557	2 Sep 74	63	3970	10.22
74-558	2 Sep 74	20	1296	1.95
74-559	2 Sep 74	30	1304	2.32

Table 5. (cont'd.)

Station	Date	No. of species	Density (no. m^{-2})	Biomass (g m^{-2})
75-565	17 Jun 75	21	312	7.96
75-566	5 Jul 75	36	1356	3.57
75-568	18 Jul 75	32	1293	7.68
75-569	5 Aug 75	31	1024	0.82
75-570	5 Aug 75	18	244	6.40
75-571	6 Aug 75	22	492	1.74
75-572	7 Aug 75	3	11	37.53
75-573	7 Aug 75	81	2944	18.68
75-574	8 Aug 75	19	168	0.78
75-575	9 Aug 75	45	1320	4.28
75-604	13 Jul 75	17	8964	8.31
75-605	13 Jul 75	4	2849	0.04
75-606	13 Jul 75	15	14175	1.26
75-607	14 Jul 75	6	770	0.06
75-608	14 Jul 75	20	4021	2.63
75-609	14 Jul 75	13	1229	0.90
75-610	14 Jul 75	9	7144	0.54
75-611	15 Jul 75	19	11441	20.73
75-612	17 Jul 75	16	1501	7.93
75-613	17 Jul 75	13	4434	1.77
A	13 May 75	14	952	5.70
B	10 May 75	18	1232	14.39
C	16 May 75	4	84	0.44
D	16 May 75	11	896	1.67
E	12 May 75	9	266	0.68
G	17 May 75	2	28	0.21
1	24 Jul 75	8	3367	0.36
4	24 Jul 75	5	1026	0.09
25	23 Jul 75	4	32	2.39
26	18 Jul 75	3	14	0.01
27	23 Jul 75	25	459	5.28
31	20 Jul 75	15	1220	5.31
34	21 Jul 75	13	621	0.62
41	24 Jul 75	1	5	0.01
100	17 Jul 75	9	176	0.29
104	15 Jul 75	8	576	1.13
107	16 Jul 75	4	86	0.05
114	29 Jul 75	9	180	1.08
200	30 Jul 75	4	297	1.85

Table 5. (cont'd.)

Station	Date	No. of species	Density (no. m^{-2})	Biomass (g m^{-2})
75-005	7 Jul 75	5	2228	0.71
75-006	7 Jul 75	4	2168	0.78
75-007	11 Jul 75	0	0	0.00
75-008	10 Jul 75	2	192	0.10
75-009	11 Jul 75	2	24	0.01
75-012	19 Jul 75	2	28	0.01
75-013	19 Jul 75	3	28	0.01
75-014	20 Jul 75	2	56	0.06
75-015	20 Jul 75	4	24	0.01
75-016	26 Jul 75	7	5220	0.51
75-017	26 Jul 75	8	12068	2.34
75-018	26 Jul 75	14	7020	3.50
75-019	29 Jul 75	3	28	0.02
75-020	29 Jul 75	8	9248	1.35
75-023	4 Aug 75	13	4052	5.68
75-025	5 Aug 75	14	3040	4.31
75-026	5 Aug 75	16	5712	10.97
75-028	8 Aug 75	7	3736	2.19
75-029	8 Aug 75	5	164	0.02
75-030	15 Aug 75	16	2200	3.84
75-031	15 Aug 75	18	10828	2.56
75-032	16 Aug 75	14	688	0.46
75-033	16 Aug 75	20	11788	6.53
75-034	17 Aug 75	18	1356	0.64

Table 6. Number of species, number of individuals, and biomass of invertebrates sampled by dredge, 1975, and biomass of epifauna observed from *Pisces IV* 1974 and 1975 in the southern Beaufort Sea.

Station	Date	Water depth (m)	No. of species	No. of ind.	Density (no. m^{-2})	Biomass (g m^{-2})
75-570	6 Aug 75	55	68	804	1.0	0.10
75-572	7 Aug 75	65	58	668	0.7	0.16
75-574	8 Aug 75	32	12	33	-	-
74-243	5 Sep 74	135	-	-	-	5.70
75-337	2 Sep 75	55	-	-	14.5	1.75
75-339	3 Sep 75	30	-	-	1.7	1.86
75-341	4 Sep 75	20	-	-	-	-

Table 7. Biomass of organic debris (of terrestrial origin) collected by grab from stations in the southern Beaufort Sea, 1971-1975.

Station	Water depth (m)	Biomass (g m^{-2})
71-501	24	6.11
73-526	8	74.92
73-527	5	1.06
73-528	7	0.32
73-529	12	0.49
73-530	9	0.47
73-531	15	1.97
73-532	36	2.97
73-533	42	2.13
73-534	7	0.27
73-535	6	0.74
73-536	9	8.31
73-537	9	3.80
73-538	5	0.57
73-539	3	28.18
73-540	4	9.25
73-541	34	1.97
73-542	94	3.22
74-553	215	0.19
74-554	106	16.94
74-555	34	0.11
74-556	54	0.59
74-557	125	39.66
74-558	23	0.30
74-559	32	0.70
75-569	441	0.21
75-575	10	39.98
75-605	15	7.08
75-606	15	3.58
75-607	26	0.52
75-608	4	26.09
75-609	11	0.44
75-610	18	0.30
75-611	3	4.56
75-612	7	3.51

Table 7. (cont'd.)

Station	Water depth (m)	Biomass (g m^{-2})
1	1.4	141.17
4	1.3	110.52
26	2.5	24.44
31	3.5	4.41
100	13.0	35.69
104	3.0	162.50
107	2.8	4.23
114	2.6	6.08
75-005	2	194.80
75-006	3	468.00
75-007	2	7.00
75-008	2	350.00
75-009	2	102.80
75-012	5	32.12
75-013	7	2.12
75-014	5	0.16
75-015	5	4.08
75-016	4	44.68
75-017	4	132.40
75-018	4	28.80
75-019	2	1.08
75-020	3	78.20
75-023	4	141.00
75-025	3	254.32
75-026	3	104.96
75-028	4	231.12
75-029	2	6.96
75-030	5	427.52
75-031	7	124.28
75-032	7	0.76
75-033	5	66.96
75-034	8	0.64

Table 8. Density and biomass of invertebrates collected by grab from station 71-501.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Capitella capitata	10.0	0.0025
Nereimyra aphroditoides	2.5	0.0001
Prionospio cirrifera	5.0	0.0001
ASCHELMINTHES:Nematoda		
Nematode	2097.5	0.0200
ECHINODERMATA:Ophiuroidea		
Ophiocten sericeum	7.5	0.0210
MOLLUSCA:Pelecypoda		
Yoldiella intermedia	2.5	0.0005
TOTAL	2125.0	0.0442

Table 9. Density and biomass of invertebrates collected by grab from station 71-502.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Antinoella sarsi	2.5	0.0003
Aricidea sp.	97.5	0.0042
Artacama proboscidea	5.0	0.0085
Chone sp.	30.0	0.0005
Cossura longocirrata	2.5	0.0003
Ephesiella minuta	5.0	0.0013
Heteromastus filiformis	2.5	0.0003
Leiochone polaris	2.5	0.0015
Lumbrineris tenuis	10.0	0.0035
Micronephthys minuta	187.5	0.0280
Prionospio cirrifera	407.5	0.0743
Scoloplos sp.	22.5	0.1235
Terebellides stroemi	5.0	0.0138
Tharyx acutus	20.0	0.0050
Trochochaeta carica	17.5	0.0028
Pieces of polychaetes	X	0.0125
ARTHROPODA:Amphipoda		
Boeckosimus plautus	12.5	0.0148
Haploops laevis	65.0	0.0330
Tryphosella schneideri	5.0	0.0025
ARTHROPODA:Cumacea		
Diastylis sulcata	22.5	0.0110
ARTHROPODA:Isopoda		
Mesidotea sabini	7.5	0.9833
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	315.0	0.0167
Cythereis sp. a	50.0	0.0062
ARTHROPODA:Tanaidacea		
Leptognathia sp. b	30.0	0.0015
ASCHELMINTHES:Nematoda		
Nematode	45.0	0.0003

Table 9. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
MOLLUSCA:Gastropoda		
Cylichna occulta	85.0	0.0325
Oenopota arctica	5.0	0.0003
Oenopota novajasemliensis	2.5	0.0003
Retusa obtusa	15.0	0.0032
MOLLUSCA:Pelecypoda		
Liocyma fluctuosa	2.5	0.0192
Pandora glacialis	2.5	0.0015
Portlandia arctica	785.0	0.4687
NEMERTINA		
Nemertean	2.5	0.0103
TOTAL	2270.0	1.8856

Table 10. Density and biomass of invertebrates collected by grab from station 71-503.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Antinoella sarsi	5.0	0.0080
Aricidea sp.	12.5	0.0013
Artacama proboscidea	75.0	0.4608
Ephesiella biserialis	27.5	0.0028
Eteone longa	2.5	0.0035
Heteromastus filiformis	10.0	0.0018
Lumbrineris minuta	2.5	0.0118
Lumbrineris tenuis	5.0	0.0013
Microephthys minuta	165.0	0.0128
Paraonis gracilis	30.0	0.0035
Prionospio cirrifera	5.0	0.0005
Scoloplos sp.	2.5	0.0098
Tharyx acutus	182.5	0.0255
Pieces of polychaetes	X	0.0090
ARTHROPODA:Amphipoda		
Boeckosimus affinis	2.5	0.0773
Haploops laevis	2.5	0.0020
Tryphosella schneideri	7.5	0.0090
ARTHROPODA:Isopoda		
Mesidotea sabini	2.5	0.0200
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	27.5	0.0015
Cythereis dunelmensis	27.5	0.0015
Cythereis sp. c	52.5	0.0030
Cytheridea sp.	2.5	0.0001
ARTHROPODA:Tanaidacea		
Leptognathia sp. b	2.5	0.0003
ASCHELMINTHES:Nematoda		
Nematode	10.0	0.0001

Table 10. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
MOLLUSCA:Gastropoda		
Cylichna occulta	62.5	0.0382
Cylichna sp.	5.0	0.0080
Oenopota novajasemliensis	7.5	0.0097
Retusa obtusa	70.0	0.0100
MOLLUSCA:Pelecypoda		
Macoma calcarea	10.0	0.3082
Nucula belloti	10.0	0.0062
Portlandia arctica	345.0	1.5395
NEMERTINA		
Nemertean	12.5	0.0065
TOTAL	1185.0	2.5935

Table 11. Density and biomass of invertebrates collected by grab from station 71-504.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Aricidea suecica	72.5	0.0083
Cossura longocirrata	10.0	0.0008
Ephesiella biserialis	2.5	0.0005
Eteone longa	2.5	0.0003
Gattyana cirrosa	2.5	0.0005
Heteromastus filiformis	2.5	0.0100
Lumbrineris minuta	52.5	0.0670
Maldane sarsi	25.0	0.5178
Micronephthys minuta	112.5	0.0078
Paraonis gracilis	180.0	0.0260
Pectinaria hyperborea	2.5	0.0043
Phyllodoce groenlandica	2.5	0.4360
Scoloplos sp.	15.0	0.0050
Tharyx acutus	262.5	0.0295
Pieces of polychaetes	X	0.0158
ARTHROPODA:Amphipoda		
Aceroides l. latipes	7.5	0.0048
Ampelisca eschrichti	7.5	0.1203
Haploops laevis	2.5	0.0008
Melita formosa	2.5	0.0025
Pontoporeia femorata	7.5	0.0030
ARTHROPODA:Isopoda		
Mesidotea sabini	2.5	0.1800
ARTHROPODA:Tanaidacea		
Leptognathia sp. a	10.0	0.0013
ASCHELMINTHES:Nematoda		
Nematode	90.0	0.0015
ECHINODERMATA:Holothuroidea		
Myriotrochus rinki	2.5	0.0020
MOLLUSCA:Gastropoda		
Cylichna alba	17.5	0.1295
Lunatia pallida	2.5	0.2632
Retusa obtusa	22.5	0.0062
Tachyrhynchus erosus	7.5	0.0912

Table 11. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
MOLLUSCA:Pelecypoda		
Macoma calcarea	10.0	1.8743
Musculus niger	12.5	6.0475
Nucula belloti	127.5	1.4837
NEMERTINA		
Nemertean	2.5	0.0635
SIPUNCULIDA		
Sipunculid	7.5	2.1695
TOTAL	1087.5	13.5744

Table 12. Density and biomass of invertebrates collected by grab from station 71-505.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Antinoella sarsi	2.5	0.0060
Artacama proboscidea	220.0	1.3803
Capitella capitata	80.0	0.0200
Dysponetus pygmaeus	2.5	0.0003
Eteone longa	22.5	0.0163
Heteromastus filiformis	120.0	0.3088
Micronephthys minuta	432.5	0.0468
Pectinaria hyperborea	7.5	0.0508
Phyllodoce mucosa	5.0	0.0025
Prionospio cirrifera	42.5	0.0085
Scoloplos sp.	25.0	0.0483
Stauronereis caecus	30.0	0.0028
Terebellides stroemi	10.0	0.0055
Tharyx acutus	50.0	0.0103
Pieces of polychaetes	X	0.0163
ARTHROPODA:Amphipoda		
Anonyx sp.	2.5	0.0030
Melita formosa	52.5	0.1145
Pontoporeia femorata	55.0	0.0170
Protomedeia grandimana	5.0	0.0023
ARTHROPODA:Tanaidacea		
Leptognathia sp. b	10.0	0.0005
ASCHELMINTHES:Nematoda		
Nematode	125.0	0.0025
MOLLUSCA:Gastropoda		
Cylichna occulta	240.0	0.0158
Cylichna sp.	27.5	0.1443
Philine lima	2.5	0.0055
Retusa obtusa	47.5	0.0048
MOLLUSCA:Pelecypoda		
Macoma calcarea	10.0	0.0005
Portlandia arctica	17.5	0.0535
NEMERTINA		
Nemertean	20.0	0.3825
TOTAL	1665.0	2.6702

Table 13. Density and biomass of invertebrates collected by grab from station 71-506.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligachaeta		
Oligochaete	105.0	0.0030
ANNELIDA:Polychaeta		
Ampharete acutifrons	5.0	0.0085
Antinoella sarsi	2.5	0.0003
Aricidea suecica	147.5	0.0205
Brada villosa	25.0	0.0233
Brada sp.	2.5	0.0077
Capitella capitata	2.5	0.0003
Cirratulus cirratus	95.0	0.0225
Dysponetus pygmaeus	12.5	0.0013
Eteone longa	5.0	0.0010
Euchone analis	2.5	0.0275
Exogone naidina	2.5	0.0005
Heteromastus filiformis	7.5	0.0030
Lumbrineris tenuis	45.0	0.0115
Micronephthys minuta	600.0	0.0495
Nephtys ciliata	5.0	0.1950
Nereis zonata	2.5	0.0153
Paraonis gracilis	385.0	0.0588
Pectinaria hyperborea	22.5	1.2223
Pholoe minuta	12.5	0.0025
Polydora caeca	2.5	0.0003
Prionospio cirrifera	7.5	0.0013
Scoloplos armiger	52.5	0.0500
Terebellides stroemi	10.0	0.0683
Tharyx acutus	912.5	0.1215
Pieces of polychaetes	X	0.1093
ARTHROPODA:Amphipoda		
Aceroides l. latipes	27.5	0.0060
Byblis gaimardi	7.5	0.0045
Dulichia porrecta	7.5	0.0005
Ischyrocerus megalops	2.5	0.0003
Melita formosa	2.5	0.0170
Pontoporeia femorata	12.5	0.0028
ARTHROPODA:Cumacea		
Diastylis sulcata	17.5	0.0033
Leucon nasica	37.5	0.0083
ARTHROPODA:Isopoda		
Mesidotea sabini	10.0	2.1460

Table 13. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ARTHROPODA:Ostracoda		
Cythereis dunelmensis	605.0	0.0995
Cythereis sp. a	5.0	0.0028
Cytheridea sp.	80.0	0.0115
ASCHELMINTHES:Nematoda		
Nematode	912.5	0.0038
COELENTERATA:Anthozoa		
Anemone	17.5	0.4662
ECHINODERMATA:Holothuroidea		
Myriotrochus rinki	22.5	0.1300
MOLLUSCA:Gastropoda		
Admete couthouyi	5.0	0.0125
Cingula castanea	37.5	0.0040
Cylichna occulata	87.5	0.0405
Cylichna sp.	5.0	0.0085
Lunatia pallida	2.5	0.0025
Oenopota incisula	7.5	0.0260
Philine lima	10.0	0.0025
Retusa obtusa	362.5	0.0145
MOLLUSCA:Pelecypoda		
Astarte borealis	2.5	0.0153
Clinocardium ciliatum	7.5	0.0015
Hiatella arctica	2.5	0.0005
Lyonsia arenosa	25.0	0.0165
Macoma calcarea	30.0	1.2528
Macoma torelli	7.5	0.0355
Musculus corrugatus	152.5	1.6005
Musculus discors	2.5	0.1633
Musculus niger	67.5	7.2225
Nucula belloti	10.0	0.5033
Pandora glacialis	2.5	0.0288
Portlandia arctica	5.0	0.0002
Pelecypod	7.5	0.0027
NEMERTINA		
Nemertean	15.0	0.0060
TOTAL	5095.0	15.8879

Table 14. Density and biomass of invertebrates collected by grab from station 73-526.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Antinoella sarsi	76	0.0348
Capitella capitata	20	0.0032
Micronephthys minuta	2156	0.2052
Nereimyra aphroditoides	180	0.0352
Prionospio cirrifera	1148	0.0560
Scoloplos armiger	4	0.0004
Terebellides stroemi	88	0.3868
Tharyx acutus	488	0.0156
Pieces of polychaetes	X	0.0072
ARTHROPODA:Amphipoda		
Aceroides l. latipes	20	0.0052
Boeckosimus affinis	8	0.0112
Paroediceros lynceus	4	0.0024
Pontoporeia affinis	4	0.0001
Pontoporeia femorata	16	0.0036
ASCHELMINTHES:Nematoda		
Nematode	12	0.0001
MOLLUSCA:Gastropoda		
Haminoea solitaria	516	0.0340
MOLLUSCA:Pelecypoda		
Yoldiella intermedia	12	0.1496
TOTAL	4752	0.9506

Table 15. Density and biomass of invertebrates collected by grab from station 73-527.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Peloscolex sp.	208	0.0184
ANNELIDA:Polychaeta		
Ampharete vega	648	1.1096
Malacoceros fuliginosus	8	0.0084
Pieces of polychaetes	X	0.0060
ARTHROPODA:Amphipoda		
Aceroides l. latipes	60	0.0116
Monoculodes sp.	256	0.0104
Onisimus litoralis	4	0.0012
Pontoporeia affinis	20	0.0368
ARTHROPODA:Cumacea		
Diastylis sulcata	124	0.0480
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	12	0.3836
NEMERTINEA		
Nemertean	16	0.0056
PRIAPULIDA		
Halicryptus spinulosus	4	0.1352
TOTAL	1360	1.7748

Table 16. Density and biomass of invertebrates collected by grab from station 73-528.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Peloscolex sp.	32	0.0008
ANNELIDA:Polychaeta		
Ampharete vega	712	0.2468
Chaetozone sp.	16	0.0024
Malacoceros fuliginosus	124	0.0240
Prionospio cirrifera	156	0.0144
Terebellides stroemi	4	0.0120
	X	0.0056
ARTHROPODA:Amphipoda		
Boeckosimus affinis	4	0.0188
ARTHROPODA:Cumacea		
Diastylis sulcata	4	0.0001
ARTHROPODA:Mysidacea		
Mysis relicta	28	0.0100
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	12	0.0012
Cythereis sp. a	36	0.0036
Cythereis sp. b	20	0.0020
ASCHELMINTHES:Nematoda		
Nematode	12	0.0001
MOLLUSCA:Gastropoda		
Haminoea solitaria	4	0.0008
Oenopota arctica	4	0.0124
MOLLUSCA:Pelecypoda		
Montacuta maltzani	88	0.0052
Yoldiella intermedia	200	0.0380
TOTAL	1456	0.3982

Table 17. Density and biomass of invertebrates collected by grab from station 73-529.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Antinoella sarsi	20	0.0012
Aricidea sp.	372	0.0128
Artacama proboscidea	20	0.0728
Chone sp.	32	0.0020
Cossura longocirrata	8	0.0016
Ephesiella minuta	12	0.0044
Eteone longa	16	0.0088
Heteromastus filiformis	164	0.1116
Leiochone polaris	44	0.0780
Lumbrineris tenuis	12	0.0052
Micronephthys minuta	1076	0.1088
Prionospio cirrifera	1704	0.1772
Scoloplos sp.	8	0.1112
Tharyx acutus	76	0.0032
Trochochaeta carica	16	0.0152
Pieces of polychaetes	X	0.0072
ARTHROPODA:Amphipoda		
Boeckosimus plautus	8	0.0100
Haploops laevis	60	0.0940
Monoculodes sp.	8	0.0004
Paroediceros lynceus	4	0.0001
Pontoporeia femorata	8	0.0016
ARTHROPODA:Cumacea		
Diastylis sulcata	96	0.0532
ARTHROPODA:Isopoda		
Mesidotea sabini	8	0.2372
Mesidotea sibirica	8	0.0744
ARTHROPODA:Mysidacea		
Mysis litoralis	4	0.0232
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	176	0.0112
Cythereis sp. a	16	0.0004

Table 17. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ASCHELMINTHES:Nematoda		
Nematode	12	0.0001
MOLLUSCA:Gastropoda		
Cylichna occulta	192	0.0612
Oenopota reticulata	4	0.0001
Philine lima	4	0.0012
Retusa obtusa	32	0.0008
MOLLUSCA:Pelecypoda		
Montacuta maltzani	4	0.0004
Portlandia arctica	676	5.9752
NEMERTINA		
Nemertean	16	0.0188
TOTAL	4916	7.2847

Table 18. Density and biomass of invertebrates collected by grab from station 73-530.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ampharete vega	768	0.1292
Apistobranchus tullbergi	16	0.0020
Chaetozone sp.	84	0.0152
Chone sp.	4	0.0004
Ephesiella minuta	56	0.0040
Leiochone polaris	56	0.0604
Lumbrineris tenuis	4	0.0004
Malacoceros fuliginosus	168	0.0484
Micronephthys minuta	12	0.0004
Nephtys longosetosa	4	0.0252
Orbinia sp.	4	0.0008
Phyllodoce mucosa	4	0.0060
Prionospio cirrifera	300	0.0360
Scoloplos armiger	4	0.0004
Scoloplos sp.	4	0.0220
Terebellides stroemi	24	0.0092
Pieces of polychaetes	X	0.0016
ARTHROPODA:Amphipoda		
Corophium sp.	4	0.0001
Eusiridae	4	0.0001
Haploops laevis	4	0.0004
Priscillina armata	12	0.0048
ARTHROPODA:Isopoda		
Mesidotea sabini	4	0.5064
ARHTROPODA:Mysidacea		
Mysis litoralis	8	0.0020
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	184	0.0192
Cythereis sp. a	892	0.0952
Cythereis sp. b	312	0.0324
ARTHROPODA:Tanaidacea		
Leptognathia sp. a	16	0.0008
ASCHELMINTHES:Nematoda		
Nematode	24	0.0001

Table 18. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
MOLLUSCA:Gastropoda		
Oenopota arctica	8	0.0156
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	4	0.0080
Liocyma fluctuosa	212	0.1600
Montacuta maltzani	1972	0.1176
Yoldiella intermedia	160	0.0968
NEMERTINA		
Nemertean	4	0.0004
TOTAL	5336	1.4215

Table 19. Density and biomass of invertebrates collected by grab from station 73-531.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ampharete acutifrons	52	0.0808
Antinoella sarsi	16	0.0264
Aricidea sp.	80	0.0080
Artacama proboscidea	108	0.7772
Cossura longocirrata	20	0.0024
Eteone longa	4	0.0032
Heteromastus filiformis	160	0.1016
Laonome kroyeri	12	0.1464
Leiochone polaris	24	0.0636
Micronephthys minuta	1044	0.0940
Nephtys ciliata	12	1.0676
Paraonis gracilis	104	0.0152
Polydora caulleryi	12	0.0008
Polydora quadrilobata	12	0.0076
Prionospio cirrifera	112	0.0052
Scoloplos armiger	68	0.0464
Scoloplos sp.	8	0.0352
Terebellides stroemi	12	0.0600
Tharyx acutus	200	0.0160
Trochochaeta carica	24	0.0124
Pieces of polychaetes	X	0.0580
ARTHROPODA:Amphipoda		
Aceroides l. latipes	8	0.0001
Ampelisca macrocephala	112	0.1200
Caprellid	20	0.0764
Dulichia porrecta	8	0.0004
Ericthonius tolli	72	0.0128
Eusiridae	24	0.0024
Haploops laevis	28	0.2148
Ischyrocerus commensalis	4	0.0008
Ischyrocerus latipes	8	0.0020
Melita formosa	8	0.0140
Melita sp.	16	0.0108
Metopa bruzelii	28	0.0012
Pontoporeia femorata	20	0.0116
ARTHROPODA:Cumacea		
Brachydiastylis resima	16	0.0040
Diastylis sulcata	196	0.0808

Table 19. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ARTHROPODA:Mysidacea		
Mysis litoralis	8	0.0604
ARTHROPODA:Pycnogonida		
Nymphon grossipes	4	0.0016
ARTHROPODA:Tanaidacea		
Leptognathia sp. b	64	0.0020
Typhlotanais finmarchicus	4	0.0001
ASCHELMINTHES:Nematoda		
Nematode	168	0.0032
MOLLUSCA:Gastropoda		
Cylichna occulta	12	0.0144
MOLLUSCA:Pelecypoda		
Lyonsia arenosa	4	0.0024
Macoma calcarea	24	0.3476
Macoma torelli	12	0.0168
Montacuta maltzani	4	0.0001
Portlandia arctica	40	0.2548
NEMERTINA		
Nemertean	68	0.0184
TOTAL	3064	3.9019

Table 20. Density and biomass of invertebrates collected by grab from station 73-532.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	52	0.0080
ANNELIDA:Polychaeta		
Aricidea suecica	124	0.0300
Cossura longocirrata	20	0.0008
Enipo torelli	4	0.0088
Eteone longa	12	0.0100
Gattyana cirrosa	4	0.0264
Heteromastus filiformis	152	0.4444
Lumbrineris minuta	12	0.0320
Lumbrineris tenuis	12	0.0044
Maldane sarsi	12	0.0844
Micronephthys minuta	468	0.0488
Paraonis gracilis	32	0.0080
Pectinaria hyperborea	52	2.2052
Prionospio steenstrupi	116	0.0120
Scoloplos armiger	56	0.0388
Tharyx acutus	416	0.1404
Pieces of polychaetes	X	0.0296
ARTHROPODA:Amphipoda		
Ampelisca macrocephala	4	0.0040
Byblis gaimardi	104	0.0436
Haploops laevis	4	0.0116
Ischyrocerus latipes	8	0.0056
Melita sp.	4	0.0068
Monoculodes longirostris	4	0.0024
Parathemisto abyssorum	4	0.0012
Paronesimus barentsi	4	0.0008
Pontoporeia femorata	12	0.0052
Protomedeia grandimana	4	0.0028
ARTHROPODA:Cumacea		
Brachydiastylis resima	16	0.0048
Diastylis goodsiri	4	0.0064
Diastylis rathkei	9892	33.9652
Leucon nasica	168	0.0504
ARTHROPODA:Isopoda		
Synidotea bicuspida	52	0.2728
ARTHROPODA:Ostracoda		
Cythereis dunelmensis	12	0.0004

Table 20. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ARTHROPODA:Tanaidacea		
Leptognathia sp. a	16	0.0012
ASCHELMINTHES:Nematoda		
Nematode	76	0.0024
MOLLUSCA:Gastropoda		
Admete couthouyi	20	0.0480
Cylichna occulta	4	0.0016
Margarites olivaceus	4	0.0912
Retusa obtusa	16	0.0060
MOLLUSCA:Pelecypoda		
Liocyma fluctuosa	48	0.0244
Macoma calcarea	32	6.4484
Musculus corrugatus	28	0.1564
Musculus niger	88	0.1944
Nucula belloti	48	2.2184
Pandora glacialis	4	0.0160
Yoldia h. hyperborea	16	0.8184
NEMERTINA		
Nemertean	40	0.1656
PRIAPULIDA		
Priapulus caudatus	8	0.0928
SIPUNCULIDA		
Sipunculid	8	3.4468
TOTAL	12296	51.2480

Table 21. Density and biomass of invertebrates collected by grab from station 73-533.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	44	0.0028
ANNELIDA:Polychaeta		
Ampharete acutifrons	12	0.0056
Aricidea suecica	48	0.0060
Brada villosa	32	0.0336
Capitella capitata	12	0.0008
Cossura longocirrata	12	0.0008
Dysponetus pygmaeus	4	0.0001
Enipo torelli	12	0.0140
Eteone longa	16	0.0044
Euchone papillosa	4	0.0001
Heteromastus filiformis	256	0.3176
Lumbrineris minuta	92	0.0572
Maldane sarsi	8	0.0152
Micronephthys minuta	300	0.0332
Paraonis gracilis	184	0.0400
Pectinaria hyperborea	72	0.7760
Pholoe minuta	24	0.0024
Phyllodoce groenlandica	4	0.1424
Prionospio steenstrupi	252	0.0348
Scoloplos armiger	368	0.0996
Stauronereis caecus	4	0.0004
Tharyx acutus	412	0.0944
Pieces of polychaetes	X	0.0220
ARTHROPODA:Amphipoda		
Aceroides l. latipes	20	0.0016
Aceroides sp.	16	0.0020
Ampelisca macrocephala	4	0.0040
Arrhis phyllonyx	8	0.0100
Byblis gaimardi	16	0.0200
Lembos arcticus	4	0.3200
Orchomene pinguis	8	0.0116
Parathemisto abyssorum	4	0.0024
Pontoporeia femorata	8	0.0020
ARTHROPODA:Cumacea		
Brachydiastylis resima	36	0.0080
Diastylis goodsiri	8	0.0056
Diastylis rathkei	5012	52.2064
Leucon nasica	52	0.0212

Table 21. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ARTHROPODA:Isopoda		
Synidotea bicuspida	24	0.5408
ARTHROPODA:Ostracoda		
Cythereis dunelmensis	12	0.0008
ASCHELMINTHES:Nematoda		
Nematode	632	0.0140
ECHINODERMATA:Holothuroidea		
Myriotrochus rinki	4	0.0184
ECHINODERMATA:Ophiuroidea		
Ophiocten sericeum	4	0.6240
MOLLUSCA:Gastropoda		
Admete couthouyi	4	0.1192
Cylichna alba	44	0.0064
Margarites olivaceus	4	0.0544
Retusa obtusa	44	0.0104
Tachyrhynchus erosus	4	0.0004
MOLLUSCA:Pelecypoda		
Clinocardium ciliatum	4	0.6800
Liocyma fluctuosa	12	0.1092
Lyonsia arenosa	24	0.0020
Macoma calcarea	12	1.2112
Musculus corrugatus	4	0.0004
Musculus niger	272	4.5728
Nucula belloti	32	0.6964
Nuculana pernula	12	0.3832
Pandora glacialis	4	0.0001
Periploma abyssorum	8	0.0496
Thyasira gouldi	4	0.0012
Yoldia h. hyperborea	80	2.8732
Pelecypod	56	0.0024
NEMERTINA		
Nemertean	28	0.0156
PRIAPULIDA		
Priapulus caudatus	16	0.0032
SIPUNCULIDA		
Sipunculid	12	5.0624
TOTAL	8724	71.3699

Table 21. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ARTHROPODA:Isopoda		
Synidotea bicuspida	24	0.5408
ARTHROPODA:Ostracoda		
Cythereis dunelmensis	12	0.0008
ASCHELMINTHES:Nematoda		
Nematode	632	0.0140
ECHINODERMATA:Holothuroidea		
Myriotrochus rinki	4	0.0184
ECHINODERMATA:Ophiuroidea		
Ophiocten sericeum	4	0.6240
MOLLUSCA:Gastropoda		
Admete couthouyi	4	0.1192
Cylichna alba	44	0.0064
Margarites olivaceus	4	0.0544
Retusa obtusa	44	0.0104
Tachyrhynchus erosus	4	0.0004
MOLLUSCA:Pelecypoda		
Clinocardium ciliatum	4	0.6800
Liocyma fluctuosa	12	0.1092
Lyonsia arenosa	24	0.0020
Macoma calcarea	12	1.2112
Musculus corrugatus	4	0.0004
Musculus niger	272	4.5728
Nucula belloti	32	0.6964
Nuculana pernula	12	0.3832
Pandora glacialis	4	0.0001
Periploma abyssorum	8	0.0496
Thyasira gouldi	4	0.0012
Yoldia h. hyperborea	80	2.8732
Pelecypod	56	0.0024
NEMERTINA		
Nemertean	28	0.0156
PRIAPULIDA		
Priapulus caudatus	16	0.0032
SIPUNCULIDA		
Sipunculid	12	5.0624
TOTAL	8724	71.3699

Table 22. Density and biomass of invertebrates collected by grab from station 73-534.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ampharete vega	16	0.0172
Capitella capitata	8	0.0001
Ephesiella minuta	16	0.0044
Eteone longa	4	0.0020
Malacoceros fuliginosus	24	0.0548
Micronephthys minuta	4	0.0001
Nicolea sp.	4	0.0068
Prionospio cirrifera	1148	0.0304
Scoloplos sp.	4	0.0040
Terebellides stroemi	4	0.0052
Tharyx acutus	276	0.0076
Pieces of polychaetes	X	0.0104
ARTHROPODA:Amphipoda		
Eusiridae	8	0.0004
Monoculodes sp.	4	0.0001
Onisimus glacialis	8	0.0220
Paroediceros lynceus	4	0.0048
ARTHROPODA:Cumacea		
Diastylis sulcata	48	0.0304
ARTHROPODA:Mysidacea		
Mysis litoralis	24	0.0128
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	316	0.0128
Cythereis dunelmensis	4	0.0004
Cythereis sp.a	36	0.0012
ASCHELMINTHES:Nematoda		
Nematode	48	0.0008
MOLLUSCA:Gastropoda		
Retusa obtusa	8	0.0016
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	120	1.1036
Macoma balthica	4	0.0001
Musculus niger	4	0.0001
Yoldiella intermedia	2620	1.9400

Table 22.(cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
NEMERTINA		
Nemertean	4	0.0372
PRIAPULIDA		
Halicryptus spinulosus	128	0.1792
Priapulus caudatus	12	0.0288
TOTAL	4908	3.5193

Table 23. Density and biomass of invertebrates collected by grab from station 73-535.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Peloscolex sp.	140	0.0076
ANNELIDA:Polychaeta		
Ampharete vega	1408	0.6376
Ephesiella minuta	24	0.0020
Malacoceros fuliginosus	164	0.0224
Prionospio cirrifera	496	0.0188
Tharyx acutus	2196	0.1116
ARTHROPODA:Amphipoda		
Boeckosimus affinis	24	0.0492
Monoculodes sp.	16	0.0008
Paroediceros lynceus	20	0.0048
Pontoporeia femorata	4	0.0024
Priscillina armata	4	0.0016
ARTHROPODA:Cumacea		
Diastylis sulcata	100	0.0200
ARTHROPODA:Mysidacea		
Mysis litoralis	28	0.0136
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	100	0.0036
ASCHELMINTHES:Nematoda		
Nematode	56	0.0012
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	172	2.9268
Montacuta maltzani	12	0.0004
Yoldiella intermedia	876	2.3844
NEMERTINEA		
Nemertean	8	0.0012
PRIAPULIDA		
Halicryptus spinulosus	96	0.1788
TOTAL	5944	6.3888

Table 24. Density and biomass of invertebrates collected by grab from station 73-536.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ampharete vega	12	0.0012
Capitella capitata	28	0.0008
Chone sp.	12	0.0008
Ephesiella minuta	56	0.0044
Malacoceros fuliginosus	96	0.0944
Micronephthys minuta	52	0.0044
Prionospio cirrifera	1648	0.1348
Scoloplos sp.	4	0.0060
Terebellides stroemi	4	0.0108
Tharyx acutus	448	0.0240
ARTHROPODA:Amphipoda		
Boeckosimus affinis	8	0.0424
Boeckosimus plautus	40	0.0120
Eusiridae	12	0.0012
Monoculodes sp.	4	0.0004
Paroediceros lynceus	8	0.0001
ARTHROPODA:Cumacea		
Diastylis sulcata	64	0.0100
ARTHROPODA:Isopoda		
Mesidotea sabini	4	4.6148
ARTHROPODA:Mysidacea		
Mysis litoralis	32	0.0524
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	484	0.0336
Cythereis sp. a	220	0.0152
Cytheridea sp.	84	0.0060
ASCHELMINTHES:Nematoda		
Nematode	352	0.0032
MOLLUSCA:Gastropoda		
Haminoea solitaria	20	0.0012
Oenopota decussata	4	0.0084
Oenopota novajasemliensis	4	0.0040

Table 24. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
MOLLUSCA:Pelecypoda		
Portlandia arctica	4	0.0020
Yoldiella intermedia	560	0.2912
NEMERTINA		
Nemertean	20	0.0024
PRIAPULIDA		
Halicryptus spinulosus	36	0.0148
TOTAL	4320	5.3969

Table 25. Density and biomass of invertebrates collected by grab from station 73-537.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ampharete vega	4	0.0004
Aricidea sp.	60	0.0004
Capitella capitata	8	0.0004
Chone sp.	16	0.0008
Cossura longocirrata	8	0.0001
Ephesiella minuta	64	0.0032
Lumbrineris tenuis	32	0.0080
Malacoceros fuliginosus	380	0.3448
Micronephthys minuta	16	0.0016
Prionospio cirrifera	2736	0.2008
Scoloplos sp.	16	0.1356
Tharyx acutus	48	0.0012
Pieces of polychaetes	X	0.0016
ARTHROPODA:Amphipoda		
Boeckosimus plautus	100	0.0176
Eusiridae	8	0.0001
Paroediceros lynceus	92	0.0020
Tryphosella schneideri	16	0.0024
ARTHROPODA:Cumacea		
Diastylis sulcata	36	0.0008
ARTHROPODA:Isopoda		
Mesidotea sabini	4	0.0148
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	56	0.0032
ASCHELMINTHES:Nematoda		
Nematode	208	0.0004
MOLLUSCA:Gastropoda		
Cylichna alba	8	0.0084
Cylichna occulta	20	0.0096
Oenopota novajasemliensis	4	0.0064
Retusa obtusa	8	0.0008
MOLLUSCA:Pelecypoda		
Portlandia arctica	332	0.0880
Yoldiella intermedia	64	0.0220
TOTAL	4344	0.8754

Table 26. Density and biomass of invertebrates collected by grab from station 73-538.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Peloscolex sp.	84	0.0196
ANNELIDA:Polychaeta		
Ampharete vega	16	0.0356
Malacoceros fuliginosus	32	0.0040
ARTHROPODA:Amphipoda		
Aceroides l. latipes	32	0.0016
Monoculodes sp.	188	0.0080
Onisimus litoralis	16	0.0048
Paroediceros lynceus	4	0.0001
Pontoporeia femorata	8	0.0064
ARTHROPODA:Isopoda		
Mesidotea entomon	8	1.2184
ARTHROPODA:Mysidacea		
Mysis relicta	4	0.0068
MOLLUSCA:Pelecypoda		
Yoldiella intermedia	28	0.0448
PRIAPULIDA		
Halicryptus spinulosus	12	0.0020
TOTAL	432	1.3521

Table 27. Density and biomass of invertebrates collected by grab from station 73-539.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Peloscolex sp.	32	0.0056
ANNELIDA:Polychaeta		
Malacoceros fuliginosus	16	0.0020
ARTHROPODA:Amphipoda		
Onisimus litoralis	8	0.0044
Pontoporeia affinis	24	0.0076
ARTHROPODA:Mysidacea		
Mysis relicta	4	0.0020
ASCHELMINTHES:Nematoda		
Nematode	4	0.0001
TOTAL	88	0.0217

Table 28. Density and biomass of invertebrates collected by grab from station 73-540.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Peloscolex sp.	648	0.0688
ARTHROPODA:Amphipoda		
Monoculodes sp.	192	0.0100
Pontoporeia affinis	96	0.0420
ARTHROPODA:Mysidacea		
Mysis litoralis	76	0.0164
TOTAL	1012	0.1372

Table 29. Density and biomass of invertebrates collected by grab from station 73-541.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Aricidea suecica	24	0.0008
Aricidea sp.	8	0.0002
Artacama proboscidea	4	0.0136
Cossura longocirrata	40	0.0028
Lumbrineris minuta	16	0.0016
Micronephthys minuta	348	0.0184
Nicolea sp.	88	0.1284
Paraonis gracilis	148	0.0072
Pectinaria hyperborea	4	0.0004
Sternaspis scutata	44	1.3256
Terebellides stroemi	4	0.0024
Tharyx acutus	236	0.0188
ARTHROPODA:Amphipoda		
Aceroides l. latipes	16	0.0024
Arrhis phyllonyx	8	0.0812
Hippomedon sp.	8	0.0008
Metopa sp.	4	0.0001
Monoculodes sp.	4	0.0001
ARTHROPODA:Cumacea		
Eudorella truncatula	4	0.0008
ARTHROPODA:Isopoda		
Mesidotea sabini	4	0.0296
ARTHROPODA:Mysidacea		
Mysis litoralis	4	0.0008
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	60	0.0036
Cythereis sp. c	12	0.0004
Cytheridea sp.	4	0.0001
ARTHROPODA:Tanaidacea		
Leptognathia sp. a	20	0.0016
Leptognathia sp. b	24	0.0016
ASCHELMINTHES:Nematoda		
Nematode	20	0.0001
ECHINODERMATA:Ophiuroidea		
Ophiocten sericeum	24	0.0020

Table 29. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
MOLLUSCA:Gastropoda		
Alvania cruenta	12	0.0016
Cingula castanea	32	0.0100
Cylichna alba	32	0.0016
Cylichna sp.	28	0.0076
Natica clausa	4	0.0448
Oenopota turricula	4	0.0008
Philine lima	16	0.0024
Retusa obtusa	72	0.0076
Gastropod	8	0.0140
MOLLUSCA:Pelecypoda		
Astarte borealis	92	1.6132
Astarte montagui	80	1.2724
Macoma calcarea	56	0.2844
Nucula belloti	60	0.4980
Portlandia arctica	16	0.0076
Thyasira gouldi	32	0.0124
Yoldiella fraterna	4	0.0028
Yoldiella lenticula	24	0.0060
PRIAPULIDA		
Priapulus caudatus	4	0.0032
TOTAL	1756	5.4356

Table 30. Density and biomass of invertebrates collected by grab from station 73-542.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	520	0.0692
ANNELIDA:Polychaeta		
Ammotrypane breviata	4	0.0024
Aricidea suecica	204	0.0480
Cossura longocirrata	80	0.0024
Heteromastus filiformis	20	0.0596
Leaena abranchiata	4	0.0020
Leiochone polaris	4	0.0428
Lumbrineris minuta	72	0.0756
Maldane sarsi	108	1.6116
Micronephthys minuta	1720	0.1584
Myriochele heeri	4	0.0396
Nicolea sp.	4	0.0024
Paraonis gracilis	1128	0.2904
Pectinaria hyperborea	16	0.0164
Petaloproctus tenuis	8	0.0036
Pholoe minuta	20	0.0016
Prionospio steenstrupi	68	0.0096
Scoloplos armiger	12	0.0084
Terebellides stroemi	4	0.0016
Tharyx acutus	984	0.2008
Pieces of polychaetes	X	0.1220
ARTHROPODA:Amphipoda		
Aceroides l. latipes	48	0.0188
Arrhinopsis longicornis	12	0.0008
Arrhis phyllonyx	24	0.0716
Bathymedon obtusifrons	16	0.0024
Harpinia sp.	12	0.0008
Parathemisto abyssorum	20	0.0020
Pontoporeia femorata	36	0.0064
ARTHROPODA:Cumacea		
Brachydiastylis resima	4	0.0012
Diastylis goodsiri	12	0.1048
Eudorella emarginata	4	0.0001
Leucon nasica	44	0.0224

Table 30. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ARTHROPODA:Isopoda		
Desmosoma lineare	48	0.0020
Mesidotea sabini	4	0.8772
Synidotea bicuspida	16	0.0100
ARTHROPODA:Mysidacea		
Pseudomma sp.	4	0.0040
ARTHROPODA:Ostracoda		
Cythereis dunelmensis	8	0.0001
ARTHROPODA:Tanaidacea		
Leptognathia sp. a	56	0.0056
Leptognathia sp. b	60	0.0044
ASCHELMINTHES:Nematoda		
Nematode	20	0.0001
ECHINODERMATA:Ophiuroidea		
Ophiocten sericeum	92	1.2860
MOLLUSCA:Gastropoda		
Admete couthouyi	8	0.0456
Alvania cruenta	12	0.0024
Cylichna alba	4	0.1372
Hydrobia minuta	8	0.0100
Philine lima	16	0.0028
Retusa obtusa	4	0.0001
Tachyrhynchus erosus	16	0.3804
MOLLUSCA:Pelecypoda		
Bathyarca glacialis	32	0.6872
Macoma calcarea	12	3.3444
Nucula belloti	4	0.0172
Nuculana pernula	8	1.6560
Pecten groenlandicus	8	0.0001
Portlandia arctica	16	0.0072
Thyasira gouldi	4	0.0100
Yoldiella fraterna	4	0.0020
Yoldiella lenticula	44	0.0296
NEMERTINA		
Nemertean	40	0.2664
TOTAL	5764	11.7877

Table 31. Density and biomass of invertebrates collected by grab from station 74-544.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	91.0	0.0403
ANNELIDA:Polychaeta		
Ampharete acutifrons	17.5	0.0189
Aricidea suecica	42.0	0.0035
Brada villosa	14.0	0.0291
Chone duneri	31.5	0.0714
Cossura longocirrata	7.0	0.0004
Diplocirrus glaucus	3.5	0.0014
Ephesiella minuta	3.5	0.0007
Eteone longa	10.5	0.0032
Heteromastus filiformis	14.0	0.0056
Lumbrineris minuta	63.0	0.0378
Maldane sarsi	332.5	0.9335
Micronephthys minuta	395.5	0.0235
Myriochele heeri	3.5	0.0280
Nephtys ciliata	3.5	0.0126
Nereimyra aphroditoides	3.5	0.0014
Owenia fusiformis	84.0	0.1169
Paraonis gracilis	77.0	0.0084
Pectinaria hyperborea	17.5	0.6381
Pholoe minuta	31.5	0.0025
Praxillella praetermissa	42.0	0.0175
Prionospio cirrifera	42.0	0.0032
Rhodine loveni	21.0	0.0592
Scalibregma inflatum	3.5	0.0011
Scoloplos armiger	94.5	0.0746
Terebellides stroemi	31.5	0.0728
Tharyx acutus	136.5	0.0098
Pieces of polychaetes	X	0.0214
ARTHROPODA:Amphipoda		
Aceroides sp.	35.0	0.0049
Ampelisca eschrichti	1095.5	8.7339
Anonyx nugax	3.5	0.8134
Anonyx sarsi	7.0	0.0154
Boeckosimus plautus	143.5	0.1309
Hippomedon sp.	28.0	0.0028
Melita formosa	98.0	0.1547
Orchomene pinguis	24.5	0.0025
Paronesimus barentsi	21.0	0.0329
Pontoporeia femorata	42.0	0.0473
Protomedeia fasciata	10.5	0.0011
Rhachotropis sp.	3.5	0.0001
Westwoodilla brevicalar	3.5	0.0001

Table 31. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ARTHROPODA:Cumacea		
Brachydiastylis resima	175.0	0.0434
Diastylis goodsiri	3.5	0.0683
Diastylis oxyrhyncha	24.5	0.0021
Diastylis sp. (juv.)	7.0	0.0063
Eudorella truncatula	17.5	0.0014
Leucon fulvus	7.0	0.0004
Leucon nasica	45.5	0.0329
Leucon nasicoides	17.5	0.0018
Leucon sp. (juv.)	24.5	0.0004
ARTHROPODA:Decapoda		
Sabinea septemcarinata	3.5	0.4235
ARTHROPODA:Isopoda		
Eugerda tenuimana	3.5	0.0004
ARTHROPODA:Tanaidacea		
Leptognathia sp. a	119.0	0.0259
Typhlotanais finmarchicus	7.0	0.0004
ASCHELMINTHES:Nematoda		
Nematode	1022.0	0.1652
CHORDATA:Ascidiacea		
Pelonaia corrugata	14.0	1.2453
MOLLUSCA:Gastropoda		
Alvania cruenta	21.0	0.0091
Natica clausa	3.5	0.0917
Oenopota turricula	3.5	0.0014
Retusa obtusa	3.5	0.0011
Solariella obscura	3.5	0.0039
MOLLUSCA:Pelecypoda		
Astarte borealis	10.5	1.5659
Liocyma fluctuosa	56.0	0.4022
Macoma calcarea	52.5	0.8222
Macoma torelli	7.0	0.0011
Musculus niger	59.5	11.9280
Mytilus edulis	10.5	0.0039
Nucula belloti	17.5	0.0298
Nuculana pernula	17.5	0.0102
Thyasira gouldi	3.5	0.0004
Yoldia h. hyperborea	7.0	0.0007

Table 31. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
NEMERTINA		
Nemertean	28.0	0.0725
PRIAPULIDA		
Priapulus caudatus	3.5	0.0014
SIPUNCULIDA		
Sipunculid	31.5	1.9607
MISCELLANEOUS		
Unidentified invertebrates	X	0.0970
TOTAL	4963.0	31.1977

Table 32. Density and biomass of invertebrates collected by grab from station 74-545.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	488	0.0744
ANNELIDA:Polychaeta		
Aricidea suecica	88	0.0320
Cossura longocirrata	4	0.0001
Flabelligera mastigophora	4	0.0968
Leiochone polaris	4	0.0004
Lumbrineris minuta	28	0.0388
Maldane sarsi	12	0.1000
Micronephthys minuta	772	0.0656
Nephtys ciliata	8	0.4496
Paraonis gracilis	68	0.0148
Pectinaria hyperborea	4	0.0300
Prionospio cirrifera	60	0.0080
Scoloplos armiger	8	0.0148
Tharyx acutus	228	0.0636
Pieces of polychaetes	X	0.0976
ARTHROPODA:Amphipoda		
Acanthostepheia malmgreni	4	0.0988
Aceroides l. latipes	88	0.0096
Pontoporeia femorata	4	0.0056
ARTHROPODA:Cumacea		
Leucon nasica	72	0.0416
ARTHROPODA:Isopoda		
Mesidotea sabini	8	3.0248
ASCHELMINTHES:Nematoda		
Nematode	28	0.0012
MOLLUSCA:Gastropoda		
Tachyrhynchus erosus	4	0.0004
MOLLUSCA:Pelecypoda		
Macoma calcarea	20	1.2400
Musculus niger	12	2.0528
Nucula belloti	8	0.0052
Yoldia h. hyperborea	8	2.3484

Table 32. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
NEMERTINA		
Nemertean	8	0.0208
SIPUNCULIDA		
Sipunculid	4	2.5972
TOTAL	2044	12.5329

Table 33. Density and biomass of invertebrates collected by grab from station 74-546.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ammotrypane cylindricaudatus	4	0.0020
Aricidea sp.	104	0.0080
Artacama proboscidea	160	3.7356
Capitella capitata	28	0.0024
Ephesiella biserialis	24	0.0272
Lumbrineris minuta	8	0.0176
Lumbrineris tenuis	12	0.0040
Micronephthys minuta	848	0.0584
Prionospio cirrifera	8	0.0004
Scoloplos sp.	12	0.0856
Tharyx acutus	192	0.0408
Trochochaeta carica	24	0.0160
Pieces of polychaetes	X	0.0312
ARTHROPODA:Amphipoda		
Aceroides l. latipes	32	0.0216
ASCHELMINTHES:Nematoda		
Nematode	220	0.0036
MOLLUSCA:Gastropoda		
Cylichna occulta	60	0.0820
Oenopota novajasemliensis	12	0.0176
Philine lima	4	0.0012
Retusa obtusa	20	0.0020
MOLLUSCA:Pelecypoda		
Macoma balthica	4	0.0004
Nucula belloti	16	0.0788
Portlandia arctica	36	0.0684
TOTAL	1828	4.3048

Table 34. Density and biomass of invertebrates collected by grab from station 74-547.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	44	0.0064
ANNELIDA:Polychaeta		
Antinoella sarsi	4	0.0012
Aricidea suecica	276	0.1028
Cossura longocirrata	8	0.0012
Maldane sarsi	36	0.3584
Micronephthys minuta	616	0.0424
Paraonis gracilis	176	0.0504
Prionospio cirrifera	4	0.0024
Tharyx acutus	336	0.0684
Pieces of polychaetes	X	0.0324
ARTHROPODA:Amphipoda		
Aceroides l. latipes	20	0.0288
Argissa hamatipes	4	0.0001
Arrhis phyllonyx	4	0.0032
Hippomedon propinquus	4	0.0001
Pontoporeia femorata	36	0.0288
ARTHROPODA:Cumacea		
Leucon nasica	20	0.0088
ARTHROPODA:Isopoda		
Mesidotea sabini	12	0.1160
ARTHROPODA:Mysidacea		
Mysis relicta	4	0.0016
ARTHROPODA:Ostracoda		
Cythereis dunelmensis	12	0.0008
Cythereis sp. c	4	0.0008
Cytheridea sp.	4	0.0004
ASCHELMINTHES:Nematoda		
Nematode	4	0.0001
MOLLUSCA:Gastropoda		
Alvania cruenta	4	0.0004
Cylichna occulta	24	0.0116
Tachyrhynchus erosus	20	0.0008

Table 34. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
MOLLUSCA:Pelecypoda		
Macoma calcarea	12	2.1060
Mysella tumida	24	0.0088
Nuculana pernula	12	0.0080
Portlandia arctica	8	0.0104
Yoldiella intermedia	8	0.0004
NEMERTINA		
Nemertean	4	0.0048
TOTAL	1744	3.0067

Table 35. Density and biomass of invertebrates collected by grab from station 74-548.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	24	0.0056
ANNELIDA:Polychaeta		
Ammotrypane cylindricaudatus	16	0.0124
Antinoella sarsi	12	0.0040
Aricidea suecica	372	0.1568
Artacama proboscidea	20	0.2412
Cossura longocirrata	20	0.0020
Ephesiella biserialis	16	0.0328
Maldane sarsi	4	0.0128
Micronephthys minuta	920	0.0816
Paraonis gracilis	104	0.2400
Tharyx acutus	312	0.1036
Pieces of polychaetes	X	0.1520
ARTHROPODA:Amphipoda		
Aceroides l. latipes	12	0.0200
Arrhis phyllonyx	8	0.0132
Hippomedon propinquus	8	0.0001
ARTHROPODA:Cumacea		
Leucon nasica	8	0.0180
ARTHROPODA:Isopoda		
Mesidotea sabini	4	0.0616
ARTHROPODA:Tanaidacea		
Leptognathia sp. a	20	0.0024
ASCHELMINTHES:Nematoda		
Nematode	12	0.0004
ECHINODERMATA:Ophiuroidea		
Ophiocten sericeum	4	0.0076

Table 35. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
MOLLUSCA:Gastropoda		
Alvania cruenta	4	0.0028
Cylichna alba	8	0.0168
Cylichna occulta	52	0.0452
Cylichna sp.	12	0.0492
Retusa obtusa	4	0.0004
MOLLUSCA:Pelecypoda		
Macoma sp.	8	0.0004
Mysella tumida	16	0.0032
Nuculana pernula	4	0.0224
Yoldiella fraterna	4	0.0124
TOTAL	2008	1.3209

Table 36. Density and biomass of invertebrates collected by grab from station 74-549.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Antinoella sarsi	8	0.0040
Aricidea suecica	4	0.0032
Aricidea sp.	20	0.0052
Artacama proboscidea	36	0.7324
Chone sp.	36	0.0120
Cossura longocirrata	4	0.0024
Micronephthys minuta	456	0.0420
Nicolea sp.	20	0.0304
Paraonis gracilis	4	0.0012
Phyllodoce groenlandica	4	0.0052
Prionospio cirrifera	12	0.0040
Scoloplos sp.	36	0.2608
Tharyx acutus	72	0.0880
Trochochaeta carica	12	0.0032
Pieces of polychaetes	X	0.0140
ARTHROPODA:Amphipoda		
Aceroides l. latipes	12	0.0092
Hippomedon propinquus	4	0.0001
ARTHROPODA:Cumacea		
Brachydiastylis resima	4	0.0004
ARTHROPODA:Isopoda		
Mesidotea sabini	4	2.0092
ARTHROPODA:Tanaidacea		
Leptognathia sp. b	52	0.0012
ASCHELMINTHES:Nematoda		
Nematode	112	0.0016
MOLLUSCA:Gastropoda		
Cylichna occulta	28	0.0320
Cylichna sp.	4	0.0004
Oenopota novajasemliensis	8	0.0108
Retusa obtusa	4	0.0004

Table 36. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
MOLLUSCA:Pelecypoda		
Macoma calcarea	8	0.0060
Portlandia arctica	68	0.1464
NEMERTINA		
Nemertean	20	4.4360
TOTAL	1052	7.8617

Table 37. Density and biomass of invertebrates collected by grab from station 74-550.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Antinoella sarsi	4	0.0024
Artacama proboscidea	8	0.0908
Eteone longa	4	0.0001
Lumbrineris minuta	64	0.0528
Maldane sarsi	12	0.0568
Micronephthys minuta	188	0.0148
Myriochele heeri	12	0.1804
Paraonis gracilis	140	0.0196
Pectinaria hyperborea	4	0.0001
Prionospio cirrifera	4	0.0032
Scoloplos armiger	12	0.0016
Sphaerodorum gracile	8	0.0036
Terebellides stroemi	4	0.0092
Tharyx acutus	68	0.0056
Pieces of polychaetes	X	0.0236
ARTHROPODA:Amphipoda		
Bathymedon obtusifrons	8	0.0004
Byblis gaimardi	4	0.0092
Haploops laevis	48	0.0120
Pontoporeia femorata	56	0.0200
ARTHROPODA:Cumacea		
Brachydiastylis resima	44	0.0132
Diastylis sulcata	8	0.0008
Eudorella truncatula	8	0.0001
Leucon nasica	32	0.0100
ARTHROPODA:Isopoda		
Eurycope pygmaea	4	0.0001
Mesidotea sabini	8	0.6192
ARTHROPODA:Ostracoda		
Cythereis dunelmensis	12	0.0012
Cythereis sp. a	12	0.0012
Cythereis sp. c	12	0.0012
Philomedes sp.	144	0.0340
ARTHROPODA:Tanaidacea		
Leptognathia longiremis	4	0.0020
Leptognathia sp. a	16	0.0004

Table 37. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ASCHELMINTHES:Nematoda		
Nematode	48	0.0012
ECHINODERMATA:Holothuroidea		
Holothuroid	4	0.0264
ECHINODERMATA:Ophiuroidea		
Ophiocten sericeum	80	0.0740
MOLLUSCA:Gastropoda		
Alvania cruenta	32	0.0120
Cylichna alba	16	0.0032
Cylichna occulta	4	0.0008
Cylichna sp.	12	0.0168
Retusa obtusa	32	0.0040
MOLLUSCA:Pelecypoda		
Astarte montagui	4	0.0044
Bathyarca glacialis	8	0.2348
Mysella tumida	36	0.0076
Nuculana pernula	44	0.0136
Pecten groenlandicus	16	0.0036
Portlandia arctica	8	0.0144
Thyasira gouldi	4	0.0020
Yoldiella lenticula	64	0.0328
NEMERTINA		
Nemertean	8	0.0032
MISCELLANEOUS		
Unidentified invertebrates	X	0.0160
TOTAL	1372	1.6604

Table 38. Density and biomass of invertebrates collected by grab from station 74-551.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	8	0.0024
ANNELIDA:Polychaeta		
Aglaophamus malmgreni	4	0.3656
Ammotrypane cylindricaudatus	40	0.0148
Aricidea suecica	44	0.0124
Artacama proboscidea	16	0.6764
Cossura longocirrata	12	0.0020
Ephesiella biserialis	8	0.0152
Lumbrineris minuta	12	0.0096
Micronephthys minuta	364	0.0260
Paraonis gracilis	76	0.0084
Tharyx acutus	248	0.0464
Trochochaeta carica	4	0.0028
Pieces of polychaetes	X	0.0140
ARTHROPODA:Amphipoda		
Aceroides l. latipes	20	0.0160
Arrhis phyllonyx	8	0.0248
Haploops laevis	4	0.0104
ARTHROPODA:Cumacea		
Eudorella truncatula	4	0.0001
ARTHROPODA:Isopoda		
Mesidotea sabini	16	1.2476
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	4	0.0001
Cythereis dunelmensis	4	0.0001
Cythereis sp. a	4	0.0001
Cythereis sp. c	4	0.0001
ARTHROPODA:Tanaidacea		
Leptognathia longiremis	40	0.0112
Leptognathia sp. b	16	0.0012
ECHINODERMATA:Holothuroidea		
Myriotrochus rinki	4	0.0072
ECHINODERMATA:Ophiuroidea		
Ophiocten sericeum	24	0.0176

Table 38. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
MOLLUSCA:Gastropoda		
Cingula castanea	4	0.0024
Cylichna occulta	8	0.0044
Cylichna sp.	8	0.0104
Philine lima	4	0.0116
MOLLUSCA:Pelecypoda		
Macoma calcarea	4	0.1172
Pecten groenlandicus	4	0.0020
Portlandia arctica	8	0.0052
Yoldiella lenticula	20	0.0056
NEMERTINA		
Nemertean	4	0.0016
MISCELLANEOUS		
Unidentified invertebrates	X	0.0060
TOTAL	1052	2.6989

Table 39. Density and biomass of invertebrates collected by grab from station 74-552.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ammotrypane cylindricaudatus	4	0.0056
Aricidea suecica	60	0.0116
Aricidea sp.	8	0.0001
Artacama proboscidea	12	0.1524
Cossura longocirrata	8	0.0001
Ephesiella biserialis	4	0.0064
Lumbrineris minuta	4	0.0072
Micronephthys minuta	440	0.0292
Nicolea sp.	4	0.0040
Paraonis gracilis	140	0.0224
Prionospio cirrifera	8	0.0001
Sternaspis scutata	4	0.2676
Tharyx acutus	336	0.0656
Pieces of polychaetes	X	0.0148
ARTHROPODA:Amphipoda		
Aceroides l. latipes	16	0.0184
Arrhis phyllonyx	4	0.0128
ARTHROPODA:Isopoda		
Mesidotea sabini	4	0.3580
ARTHROPODA:Tanaidacea		
Leptognathia longiremis	28	0.0024
Leptognathia sp. a	8	0.0004
MOLLUSCA:Gastropoda		
Alvania cruenta	4	0.0032
Cingula castanea	24	0.0192
Cylichna occulta	12	0.0156
Cylichna sp.	12	0.0184
Retusa obtusa	16	0.0024
Gastropod	4	0.0044

Table 39. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
MOLLUSCA:Pelecypoda		
Astarte montagui	12	0.0060
Macoma calcarea	8	0.6984
Nucula belloti	4	0.0536
Nuculana pernula	4	0.0012
Portlandia arctica	48	0.0424
Yoldiella lenticula	12	0.0056
NEMERTINA		
Nemertean	4	0.0072
TOTAL	1256	1.8567

Table 40. Density and biomass of invertebrates collected by grab from station 74-553.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Hirudinea		
Leech	3	0.0096
ANNELIDA:Polychaeta		
Ammotrypane breviata	48	0.0111
Ammotrypane cylindricaudatus	3	0.0132
Amphitrite groenlandica	3	0.0576
Aricidea suecica	9	0.0015
Branchiomma infarcta	3	0.0009
Chone infundibuliformis	3	0.0036
Ephesiella biserialis	3	0.0003
Eteone longa	6	0.0015
Euchone papillosa	12	0.0024
Eucranta villosa	39	1.3287
Glyphanostomum pallescens	45	0.0531
Lanassa nordenskioldi	6	0.0492
Lumbrineris minuta	33	0.0159
Maldane sarsi	33	0.0045
Melinna cristata	3	0.0168
Myriochele heeri	63	0.0045
Onuphis quadricuspis	3	0.0225
Paraonis gracilis	3	0.0001
Pholoe minuta	9	0.0003
Pista maculata	3	0.0030
Prionospio cirrifera	45	0.0249
Pseudoscalibregma sp.	3	0.0444
Sabellides borealis	3	0.0081
Syllis cornuta	15	0.0063
Terebellides stroemi	12	0.0285
Tharyx acutus	42	0.0060
Trochochaeta carica	9	0.0012
Pieces of polychaetes	X	0.0324
ARTHROPODA:Amphipoda		
Aceroides l. latipes	6	0.0012
Boeckosimus plautus	3	0.0001
Byblis gaimardi	3	0.0001
Hippomedon sp.	3	0.0001
Paraphoxus oculatus	30	0.0033
ARTHROPODA:Cumacea		
Brachydiastylis resima	42	0.0024
Leucon nasica	12	0.0012

Table 40. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ARTHROPODA:Isopoda		
Ilyarachna sp.	3	0.0009
Macrostylis spinifera	12	0.0048
ARTHROPODA:Ostracoda		
Philomedes globosus	138	0.0288
ARTHROPODA:Tanaidacea		
Leptognathia sp. a	6	0.0006
ASCHELMINTHES:Nematoda		
Nematode	249	0.0117
CHORDATA:Ascidiacea		
Ascidian	24	0.0684
COELENTERATA:Anthozoa		
Edwardsia sp.	3	0.4920
Gersemia rubiformis	9	0.9708
ECHINODERMATA:Ophiuroidea		
Ophiocten sericeum	6	0.0048
MOLLUSCA:Gastropoda		
Cylichna alba	12	0.0015
MOLLUSCA:Pelecypoda		
Astarte c. crenata	12	0.0270
Dacrydium vitreum	3	0.0012
Macoma calcarea	6	0.0003
Nuculana pernula	3	0.0006
Thyasira gouldi	18	0.0111
NEMERTINA		
Nemertean	21	0.1488
POGONOPHORA		
Galathealinum arcticum ?	24	0.0012

Table 40. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
PRIAPULIDA		
Priapulus caudatus	6	0.0009
SIPUNCULIDA		
Sipunculid	9	0.0153
MISCELLANEOUS		
Unidentified invertebrates	X	0.2088
TOTAL	1125	3.7600

Table 41. Density and biomasss of invertebrates collected by grab from station 74-554.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ampharete acutifrons	6	0.0024
Ampharete arctica	3	0.0030
Aricidea suecica	18	0.0015
Enipo torelli	3	0.0081
Eucranta villosa	6	0.0714
Exogone naidina	3	0.0001
Gattyana cirrosa	3	0.0144
Glyphanostomum pallescens	3	0.0030
Harmothoe sp.	9	0.0090
Hartmania moorei	3	0.0042
Heteromastus filiformis	12	0.0042
Leiochone polaris	3	0.0111
Micronephthys minuta	21	0.0021
Nereimyra aphroditoides	9	0.0054
Nereis zonata	18	0.5955
Pholoe minuta	15	0.0015
Phyllodoce groenlandica	3	0.0009
Prionospio cirrifera	9	0.0006
Sabellides octocirrata	3	0.0012
Spiochaetopterus typicus	12	0.0495
Tharyx acutus	15	0.0003
Pieces of polychaetes	X	0.0099
ARTHROPODA:Amphipoda		
Byblis gaimardi	3	0.0012
Dulichia porrecta	9	0.0015
Guernea nordenskioldi	3	0.0003
Hippomedon sp.	3	0.0003
Ischyrocerus megalops	6	0.0003
Paraphoxus oculatus	6	0.0006
Protomedeia fasciata	6	0.0009
Westwoodilla megalops	3	0.0003
ARTHROPODA:Cumacea		
Brachydiastylis resima	21	0.0042
Diastylis scorpioides	6	0.0018
Eudorella truncatula	3	0.0001
ARTHROPODA:Isopoda		
Gnathia elongata	3	0.0006
ARTHROPODA:Ostracoda		
Philomedes globosus	165	0.0045

Table 41. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ARTHROPODA:Tanaidacea		
Leptognathia sp. a	6	0.0006
Leptognathia sp. c	9	0.0042
Leptognathia sp. d	3	0.0024
Leptognathia sp. e	3	0.0015
Sphyrapus anomalus	6	0.0001
ASCHELMINTHES:Nematoda		
Nematode	36	0.0024
COELENTERATA:Hydrozoa		
Hydrozoan	X	0.0186
ECHINODERMATA:Holothuroidea		
Holothuroid	3	0.0078
MOLLUSCA:Gastropoda		
Margarites costalis	3	0.0036
Gastropod	3	0.0012
MOLLUSCA:Pelecypoda		
Astarte montagui	3	0.0015
Bathyarca glacialis	3	0.0003
Dacrydium vitreum	9	0.0033
Hiatella arctica	3	0.0009
Nucula belloti	3	0.0003
Nuculana pernula	12	0.0462
Pecten groenlandicus	3	0.0072
Portlandia arctica	9	0.0009
Yoldiella frigida	6	0.0009
NEMERTINA		
Nemertean	9	0.0870
SIPUNCULIDA		
Sipunculid	6	0.0078
MISCELLANEOUS		
Unidentified invertebrates	X	0.0147
TOTAL	552	1.0293

Table 42. Density and biomass of invertebrates collected by grab from station 74-555.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ampharete acutifrons	3.5	0.0028
Antinoella sarsi	3.5	0.0014
Autolytus sp.	3.5	0.0102
Cossura longocirrata	3.5	0.0001
Ephesiella minuta	7.0	0.0004
Eteone longa	3.5	0.0014
Exogone naidina	42.0	0.0004
Gattyana cirrosa	3.5	0.0424
Harmothoe imbricata	3.5	0.0035
Harmothoe nodosa	7.0	2.2152
Lumbrineris minuta	3.5	0.0021
Micronephthys minuta	3.5	0.0007
Nereimyra aphroditoides	3.5	0.0018
Nereis zonata	70.0	0.6451
Pholoe minuta	42.0	0.0025
Phyllodoce groenlandica	14.0	0.0186
Polydora caeca	7.0	0.0007
ARTHROPODA:Amphipoda		
Boeckosimus plautus	3.5	0.0007
Dulichia porrecta	3.5	0.0004
Gammaropsis maculata	10.5	0.0014
Haploops laevis	59.5	0.0375
Ischyrocerus megalops	3.5	0.0007
Melita sp.	3.5	0.0004
Paraphoxus oculatus	14.0	0.0021
Protomedeia fasciata	17.5	0.0025
ARTHROPODA:Cumacea		
Cumella sp.	14.0	0.0119
Diastylis scorpioides	3.5	0.0011
Leucon nasicoides	3.5	0.0007
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	21.0	0.0014
Philomedes globosus	297.5	0.0361
ARTHROPODA:Tanaidacea		
Leptognathis longiremis	3.5	0.0014
Leptognathia sp. d	10.5	0.0018
Leptognathia sp. e	14.0	0.0018

Table 42. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ASCHELMINTHES:Nematoda		
Nematode	350.0	0.0175
CHORDATA:Ascidiacea		
Chelyosoma sp.	3.5	0.0179
COELENTERATA:Anthozoa		
Edwardsia sp.	3.5	0.0879
COELENTERATA:Hydrozoa		
Halecium sp.	X	0.6755
Hydrozoan	X	0.2674
ECHINODERMATA:Ophiuroidea		
Ophiocten sericeum	7.0	0.9139
MOLLUSCA:Gastropoda		
Margarites costalis	14.0	0.1383
Margarites olivaceus	7.0	0.0161
Oenopota arctica	7.0	0.0049
Gastropod	10.5	0.0014
MOLLUSCA:Pelecypoda		
Astarte montagui	10.5	0.0018
Liocyma fluctuosa	3.5	0.0070
Macoma calcarea	3.5	0.0070
Nuculana pernula	70.0	0.0448
Yoldiella frigida	17.5	0.0014
Yoldiella intermedia	3.5	0.0063
PORIFERA		
Phakettia bowerbanki	X	0.1754
MISCELLANEOUS		
Unidentified invertebrates	X	0.0665
TOTAL	1218.0	5.5022

Table 43. Density and biomass of invertebrates collected by grab from station 74-556.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Hirudinea		
Leech	4	0.0020
ANNELIDA:Polychaeta		
Antinoella sarsi	4	0.5256
Aricidea suecica	112	0.0128
Aricidea sp.	52	0.0036
Artacama proboscidea	36	0.9588
Cossura longocirrata	72	0.0032
Ephesiella biserialis	8	0.0132
Micronephthys minuta	320	0.0380
Paraonis gracilis	16	0.0016
Tharyx acutus	236	0.0340
Pieces of polychaetes	X	0.0220
ARTHROPODA:Amphipoda		
Arrhis phyllonyx	12	0.0244
ARTHROPODA:Cumacea		
Eudorella emarginata	12	0.0204
ARTHROPODA:Isopoda		
Mesidotea sabini	8	0.1224
NEMERTINA		
Nemertean	12	0.0840
TOTAL	904	1.8660

Table 44. Density and biomass of invertebrates collected by grab from station 74-557.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	91.0	0.0056
ANNELIDA:Polychaeta		
Ammotrypane cylindricaudatus	3.5	0.0028
Aricidea suecica	220.5	0.0144
Cossura longocirrata	77.0	0.0070
Enipo torelli	7.0	0.0714
Eteone longa	3.5	0.0004
Harmothoe extenuata	3.5	0.0007
Heteromastus filiformis	10.5	0.0312
Lumbrineris minuta	136.5	0.0707
Maldane sarsi	84.0	0.2685
Micronephthys minuta	808.5	0.0515
Myriochele heeri	3.5	0.0011
Nephtys ciliata	3.5	0.5838
Paraonis gracilis	875.0	0.0847
Pectinaria hyperborea	3.5	0.0518
Pholoe minuta	56.0	0.0063
Phyllodoce groenlandica	3.5	0.1467
Prionospio cirrifera	35.0	0.0074
Sabellides borealis	3.5	0.0039
Scoloplos armiger	66.5	0.0109
Sphaerodorum gracile	7.0	0.0021
Sternaspis scutata	3.5	0.0133
Syllis cornuta	3.5	0.0007
Terebillides stroemi	56.0	0.2804
Tharyx acutus	413.0	0.0301
Pieces of polychaetes	X	0.0704
ARTHROPODA:Amphipoda		
Aceroides l. latipes	14.0	0.0088
Arrhis phyllonyx	14.0	0.0609
Bathymedon obtusifrons	3.5	0.0004
Haploops laevis	7.0	0.0018
Harpinia sp.	28.0	0.0035
Metopella nasuta	3.5	0.0007
Photis reinhardi	3.5	0.0004
Pontoporeia femorata	42.0	0.0210
ARTHROPODA:Cumacea		
Brachydiastylis resima	105.0	0.0186
Eudorella emarginata	17.5	0.0042
Leucon nasica	3.5	0.0028

Table 44. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ARTHROPODA:Isopoda		
Eugerda tenuimana	3.5	0.0004
Isopod	3.5	0.0011
ARTHROPODA:Ostracoda		
Philomedes globosus	45.5	0.0084
ARTHROPODA:Tanaidacea		
Leptognathia longiremis	7.0	0.0004
Leptognathia sp. a	171.5	0.0116
Leptognathia sp. d	3.5	0.0004
Leptognathia sp. e	3.5	0.0004
Leptognathia sp. f	3.5	0.0018
ASCHELMINTHES:Nematoda		
Nematode	31.5	0.0014
COELENTERATA:Anthozoa		
Edwardsia sp.	7.0	0.8449
ECHINODERMATA:Asteroidea		
Ctenodiscus crispatus	1.0*	2.7603*
ECHINODERMATA:Holothuroidea		
Holothuroid	10.5	0.0739
ECHINODERMATA:Ophiuroidea		
Ophiocten sericeum	52.5	0.6024
ECTOPROCTA		
Alcyonidium gelatinosum	28.0	0.0102
MOLLUSCA:Gastropoda		
Cylichna alba	31.5	0.0357
Lunatia pallida	3.5	0.0025
Oenopota arctica	3.5	0.0011
Philine finmarchia	3.5	0.0007
Tachyrhynchus erosus	73.5	0.5898

Table 44. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
MOLLUSCA:Pelecypoda		
Bathyarca glacialis	154.0	3.1672
Nucula belloti	3.5	0.0203
Nuculana pernula	7.0	0.0035
Thyasira gouldi	3.5	0.0028
Yoldiella fraterna	21.0	0.0210
Yoldiella frigida	10.5	0.0028
Yoldiella lenticula	45.5	0.0326
NEMERTINA		
Nemertean	17.5	0.0753
MISCELLANEOUS		
Unidentified inverbebrates	X	0.0042
TOTAL	3970.0	10.2180

*Sample values used for density and biomass values because of disporportionate representation.

Table 45. Density and biomass of invertebrates collected by grab from station 74-558.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Aglaophamus malmgreni	4	0.3360
Antinoella sarsi	8	0.0052
Aricidea sp.	88	0.0080
Artacama proboscidea	28	0.6852
Chone sp.	8	0.0016
Cossura longocirrata	4	0.0008
Eteone longa	4	0.0012
Lumbrineris tenuis	12	0.0044
Micronephthys minuta	708	0.1176
Paraonis gracilis	12	0.0004
Paraonis sp. b	12	0.0144
Prionospio cirrifera	8	0.0028
Tharyx acutus	144	0.1012
Trochochaeta carica	8	0.0004
Pieces of polychaetes	X	0.0340
ARTHROPODA:Tanaidacea		
Leptognathia sp. a	4	0.0004
ASCHELMINTHES:Nematoda		
Nematode	20	0.0004
MOLLUSCA:Gastropoda		
Cylichna occulta	12	0.0212
Cylichna sp.	4	0.0048
MOLLUSCA:Pelecypoda		
Portlandia arctica	196	0.6004
NEMERTINA		
Nemertean	12	0.0048
TOTAL	1296	1.9452

Table 46. Density and biomass of invertebrates collected by grab from station 74-559.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Antinoella sarsi	4	0.0024
Aricidea sp.	12	0.0080
Artacama proboscidea	24	0.1752
Ephesiella biserialis	20	0.0292
Heteromastus filiformis	4	0.0004
Lumbrineris minuta	24	0.0196
Micronephthys minuta	528	0.0388
Nicolea sp.	16	0.0436
Paraonis gracilis	116	0.0136
Prionospio cirrifera	4	0.0001
Terebellides stroemi	4	0.0480
Tharyx acutus	280	0.0540
Pieces of polychaetes	X	0.0616
ARTHROPODA:Amphipoda		
Pontoporeia femorata	12	0.0024
ARTHROPODA:Cumacea		
Eudorella truncatula	4	0.0032
ARTHROPODA:Isopoda		
Eugerda tenuimana	4	0.0004
Mesidotea sabini	16	0.2152
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	16	0.0048
Cythereis dunelmensis	8	0.0008
Cythereis sp. a	8	0.0012
Cythereis sp. c	24	0.0024
ARTHROPODA:Tanaidacea		
Leptognathia sp. a	48	0.0016
MOLLUSCA:Gastropoda		
Cylichna alba	4	0.0008
Cylichna occulta	32	0.0360
Cylichna sp.	8	0.0064
Retusa obtusa	20	0.0024

Table 46. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
MOLLUSCA:Pelecypoda		
Macoma calcarea	12	0.5844
Musculus niger	4	0.8536
Nucula belloti	12	0.0808
Portlandia arctica	20	0.0244
NEMERTINA		
Nemertean	16	0.0072
TOTAL	1304	2.3225

Table 47. Density and biomass of invertebrates collected by grab from station 75-565.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	4	0.0008
ANNELIDA:Polychaeta		
Aricidea suecica	8	0.0004
Artacama proboscidea	8	0.1872
Eteone longa	4	0.0004
Heteromastus filiformis	8	0.0316
Lumbrineris minuta	8	0.0120
Micronephthys minuta	64	0.0096
Nephtys ciliata	4	0.2620
Paraonis gracilis	4	0.0020
Pectinaria hyperborea	28	0.9944
Scoloplos armiger	4	0.0016
Tharyx acutus	100	0.0300
Pieces of polychaetes	X	0.0424
ARTHROPODA:Amphipoda		
Aceroides l. latipes	4	0.0012
Gammarus setosus	4	0.0004
ARTHROPODA:Cumacea		
Diastylis edwardsi	8	0.0056
ARTHROPODA:Isopoda		
Mesidotea sabini	12	2.4344
ARTHROPODA:Tanaidacea		
Pesudotanais macrocheles	4	0.0001
MOLLUSCA:Gastropoda		
Lunatia pallida	4	3.4752
MOLLUSCA:Pelecypoda		
Macoma moesta	4	0.4400
Nucula belloti	20	0.0156
Portlandia arctica	8	0.0116
TOTAL	312	7.9585

Table 48. Density and biomass of invertebrates collected by grab from station 75-566.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ammotrypane breviata	16	0.0024
Aricidea suecica	56	0.0060
Cossura longocirrata	4	0.0001
Eucranta villosa	20	0.1680
Heteromastus filiformis	36	0.1816
Laonice cirrata	12	0.5048
Leiochone polaris	4	0.0196
Lumbrineris minuta	48	0.0464
Maldane sarsi	40	0.0280
Myriochele heeri	20	0.0040
Onuphis quadricuspis	4	0.0568
Paraonis gracilis	4	0.0001
Prionospio cirrifera	140	0.0252
Pseudoscalibregma sp.	4	0.0028
Syllis cornuta	8	0.0008
Tharyx acutus	172	0.0904
Pieces of polychaetes	X	0.0696
ARTHROPODA:Amphipoda		
Aceroides l. latipes	4	0.0001
Gammarus setosus	4	0.0001
Haploops tubicola	4	0.0001
Harpinia serrata	4	0.0001
Harpinia sp.	12	0.0016
Hippomedon abyssi	4	0.0016
Paraphoxus oculatus	4	0.0001
ARTHROPODA:Cumacea		
Brachydiastylis resima	20	0.0060
ARTHROPODA:Ostracoda		
Philomedes globosus	100	0.0260
ARTHROPODA:Tanaidacea		
Leptognathia sp. b	4	0.0004
ASCHELMINTHES:Nematoda		
Nematode	64	0.0032
CHORDATA:Ascidiacea		
Ascidian	12	0.0088

Table 48. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
COELENTERATA:Anthozoa		
Edwardsia sp.	32	1.2372
MOLLUSCA:Aplacophora		
Chaetoderma sp.	36	0.0764
MOLLUSCA:Pelecypoda		
Astarte c. crenata	12	0.1932
Dacrydium vitreum	8	0.0008
Thyasira gouldi	364	0.0524
NEMERTINA		
Nemertean	12	0.0036
PRIAPULIDA		
Priapulus bicaudatus	4	0.7260
SIPUNCULIDA		
Sipunculid	60	0.0176
MISCELLANEOUS		
Unidentified invertebrate	4	0.0100
TOTAL	1356	3.5719

Table 49. Density and biomass of invertebrates collected by grab from station 75-568.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Aglaophamus malmgreni	24	0.0524
Ammotrypane breviata	4	0.0008
Aricidea suecica	28	0.0012
Laonice cirrata	12	0.1136
Lumbrineris fragilis	8	0.0156
Lysippe labiata	12	0.0056
Maldane sarsi	456	0.4416
Onuphis quadricuspis	16	0.0008
Praxillura longissima	24	0.0952
Prionospio cirrifera	68	0.0072
Stauronereis caecus	8	0.0020
Syllis cornuta	4	0.0016
Tharyx acutus	56	0.0108
Pieces of polychaetes	X	0.0820
ARTHROPODA:Amphipoda		
Haploops tubicola	4	0.0004
Hippomedon abyssi	8	0.0008
Pardaliscella malygini	16	0.0020
ARTHROPODA:Cumacea		
Brachydiastylis resima	20	0.0016
Diastylis echinata	4	0.0096
Eudorella truncatula	12	0.0016
ARTHROPODA:Isopoda		
Mesidotea sabini	4	0.1072
ARTHROPODA:Ostracoda		
Cythereis sp. c	8	0.0008
ARTHROPODA:Tanaidacea		
Sphyrapus anomalus	4	0.0016
ASCHELMINTHES:Nematoda		
Nematode	4	0.0001
ECHINODERMATA:Holothuroidea		
Holothuroid	1*	6.6086*

Table 49. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
MOLLUSCA:Aplacophora		
Chaetoderma sp.	16	0.0228
MOLLUSCA:Pelecypoda		
Mytilus edulis	4	0.0128
Thyasira gouldi	272	0.0252
Yoldiella tamara	32	0.0024
MOLLUSCA:Scaphopoda		
Siphonodentalium lobatum	4	0.0132
NEMERTINA		
Nemertean	8	0.0060
SIPUNCULIDA		
Phascolion strombi	12	0.0052
Sipunculid	140	0.0256
TOTAL	1293	7.6779

*Sample values used as density and biomass values because of disproportionate representation.

Table 50. Density and biomass of invertebrates collected by grab from station 75-569.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ammotrypane breviata	8	0.0016
Aricidea suecica	12	0.0004
Ephesiella biserialis	4	0.0001
Heteromastus filiformis	4	0.0008
Laonice cirrata	4	0.0800
Lumbrineris minuta	12	0.0040
Maldane sarsi	364	0.3332
Myriochele heeri	8	0.0008
Onuphis quadricuspis	8	0.0364
Pholoe minuta	8	0.0001
Praxillura longissima	8	0.0384
Prionospio cirrifera	8	0.0004
Syllis cornuta	8	0.0020
Tharyx acutus	28	0.0036
Pieces of polychaetes	X	0.0912
ARTHROPODA:Amphipoda		
Centromedon calcaratus	4	0.0004
Pardaliscella malygini	4	0.0008
ARTHROPODA:Cumacea		
Brachydiastylis resima	16	0.0016
ARTHROPODA:Isopoda		
Gnathia stygia	4	0.0196
Mesidotea sabini	4	0.0192
ARTHROPODA:Ostracoda		
Cythereis sp. c	12	0.0004
ARTHROPODA:Tanaidacea		
Leptognathia sp. a	4	0.0001
Sphyrapus anomalus	4	0.0012
ASCHELMINTHES:Nematoda		
Nematode	4	0.0001
COELENTERATA:Anthozoa		
Edwardsia sp.	4	0.0708

Table 50. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
MOLLUSCA:Aplacophora		
Chaetoderma sp.	8	0.0300
MOLLUSCA:Gastropoda		
Oenopota reticulata	4	0.0076
MOLLUSCA:Pelecypoda		
Thyasira gouldi	288	0.0276
Yoldiella tamara	20	0.0016
POGONOPHORA		
Galathealinum arcticum?	X	0.0152
SIPUNCULIDA		
Phascolion strombi	8	0.0056
MISCELLANEOUS		
Unidentified invertebrate	152	0.0228
TOTAL	1024	0.8176

Table 51. Density and biomass of invertebrates collected by grab from station 75-570.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ammotrypane cylindricaudatus	4	0.0028
Aricidea suecica	24	0.0036
Cirratulid ?	4	0.0004
Lumbrineris minuta	20	0.0060
Maldane sarsi	4	0.0316
Micronephthys minuta	48	0.0040
Paraonis gracilis	28	0.0064
Scoloplos armiger	12	0.0012
Tharyx acutus	28	0.0132
ARTHROPODA:Amphipoda		
Harpinia sp.	8	0.0012
Pontoporeia femorata	28	0.0188
ARTHROPODA:Cumacea		
Brachydiastylis resima	4	0.0008
ARTHROPODA:Isopoda		
Mesidotea sabini	4	4.8548
ECHINODERMATA:Holothuroidea		
Holothuroid	8	0.0160
MOLLUSCA:Gastropoda		
Philine lima	4	0.0036
MOLLUSCA:Pelecypoda		
Macoma moesta	4	1.3976
Nucula belloti	4	0.0052
NEMERTINA		
Nemertean	8	0.0360
TOTAL	244	6.4032

Table 52. Density and biomass of invertebrates collected by grab from station 75-571.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ammotrypane cylindricaudatus	8	0.0024
Apistobranchus tullbergi	4	0.0024
Aricidea sp.	4	0.0016
Artacama proboscidea	8	0.1668
Cossura longocirrata	8	0.0001
Ephesiella biserialis	12	0.0048
Lumbrineris minuta	20	0.0088
Micronephthys minuta	200	0.0144
Tharyx acutus	64	0.0100
ARTHROPODA:Isopoda		
Mesidotea sabini	12	0.4712
ARTHROPODA:Ostracoda		
Cythereis sp. a	4	0.0008
ARTHROPODA:Tanaidacea		
Leptognathia sp. a	72	0.0060
ECHINODERMATA:Holothuroidea		
Myriotrochus rinki	4	0.2192
ECHINODERMATA:Ophiuroidea		
Ophiocten sericeum	16	0.0144
MOLLUSCA:Gastropoda		
Buccinum angulosum	4	0.0120
Cylichna alba	4	0.0040
Cylichna occulta	4	0.0008
Cylichna sp.	4	0.0052
Retusa obtusa	8	0.0008
MOLLUSCA:Pelecypoda		
Macoma calcarea	4	0.7408
Portlandia arctica	24	0.0476
PRIAPULIDA		
Priapulus caudatus	4	0.0032
TOTAL	492	1.7373

Table 53. Density and biomass of invertebrates collected by grab from station 75-572.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Lumbrineris minuta	4	0.0001
ECHINODERMATA:Asteroidea		
Urasterias lincki	7*	37.5287*
ECTOPROCTA		
Bryozoan	X	0.0016
TOTAL	11	37.5304

*Sample values used as density and biomass values because of disproportionate representation.

Table 54. Density and biomass of invertebrates collected by grab from station 75-573.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ammotrypane cylindricaudatus	4	0.0016
Aricidea suecica	32	0.0056
Chaetozone setosa	4	0.0096
Chitinopoma fabricii	8	0.0016
Cirratulus cirratus	4	0.0032
Gattyana cirrosa	4	0.0696
Heteromastus filiformis	40	0.0856
Lumbriclymene minor	4	0.0032
Lumbrineris minuta	124	0.0640
Lysippe labiata	8	0.0168
Maldane sarsi	784	2.6792
Melinna cristata	8	0.1120
Micronephthys minuta	12	0.0008
Myriochele heeri	44	0.1228
Nephtys paradoxa	4	0.0104
Nereis zonata	8	0.1692
Onuphis conchylega	4	0.0448
Owenia fusiformis	44	0.0964
Pectinaria hyperborea	16	0.4772
Petaloproctus tenuis	4	0.0136
Pholoe minuta	16	0.0032
Phyllodoce groenlandica	4	0.0196
Praxillella affinis	32	0.0108
Praxillella praetermissa	16	0.0448
Prionospio steenstrupi	4	0.0008
Rhodine loveni	4	0.0048
Sabellides borealis	8	0.0312
Scoloplos armiger	12	0.0044
Sphaerodorum gracile	8	0.0064
Tharyx acutus	120	0.0352
Pieces of polychaetes	X	0.2740
ARTHROPODA:Amphipoda		
Ampelisca eschrichti	8	0.4816
Anonyx lilljeborgi	4	0.0028
Arrhis phyllonyx	4	0.0540
Boeckosimus plautus	4	0.0004
Byblis gaimardi	4	0.0040
Cercops holbolli	4	0.0036
Gammaropsis maculata	4	0.0001
Haploops laevis	28	0.0160
Harpinia serrata	40	0.0112

Table 54. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
Hippomedon abyssi	12	0.1120
Hippomedon sp.	4	0.0008
Paraphoxus oculatus	24	0.0044
Photis reinhardi	8	0.0008
Pontoporeia femorata	24	0.0168
Protomedeia fasciata	4	0.0016
Westwoodilla caecula	4	0.0012
Westwoodilla megalops	4	0.0012
ARTHROPODA:Cumacea		
Brachydiastylis resima	132	0.0276
Diastylis goodsiri	56	0.0424
Eudorellopsis deformis	8	0.0012
Leucon acutirostris	4	0.0016
Leucon nasicoides	4	0.0024
ARTHROPODA:Isopoda		
Gnathia elongata	12	0.0072
Synidotea bicuspida	4	0.0996
ARTHROPODA:Ostracoda		
Philomedes globosus	616	0.1244
ARTHROPODA:Tanaidacea		
Leptognathia sp. a	12	0.0016
Sphyrapus anomalus	32	0.0060
Typhlotanais finmarchicus	8	0.0008
ASCHELMINTHES:Nematoda		
Nematode	20	0.0008
BRACHIOPODA		
Atretia gnomon	8	0.0004
Hemithyris psittacea	8	0.0308
CHORDATA:Ascidiacea		
Ascidian	20	0.0168
ECHINODERMATA:Ophiuroidea		
Ophiocten sericeum	88	0.5876
Ophiura robusta	60	1.1276
ECTOPROCTA		
Bryozoan	X	0.4672

Table 54. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
MOLLUSCA:Aplacophora		
Solenogaster	8	0.0044
MOLLUSCA:Gastropoda		
Cylichna alba	4	0.0048
Retusa obtusa	4	0.0024
Tachyrhynchus reticulatus	8	0.0060
Gastropod	4	0.0084
MOLLUSCA:Pelecypoda		
Astarte borealis	20	3.7016
Astarte montagui	124	1.1092
Clinocardium ciliatum	4	0.1520
Macoma calcarea	8	0.7004
Nuculana minuta	32	0.2068
Nuculana pernula	28	1.7184
Yoldia h. hyperborea	4	0.0040
Yoldiella lenticula	8	0.0180
NEMERTINA		
Nemertean	4	2.6000
PLATYHELMINTHES:Turbellaria		
Turbellarian	8	0.5876
SIPUNCULIDA		
Phascolion strombi	16	0.1716
TOTAL	2944	18.6765

Table 55. Density and biomass of invertebrates collected by grab from station 75-574.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Artacama proboscidea	4	0.0348
Capitella capitata	4	0.0012
Heteromastus filiformis	4	0.0004
Paraonis gracilis	28	0.0036
Pectinaria hyperborea	8	0.4864
Tharyx acutus	4	0.0008
Pieces of polychaetes	X	0.0120
ARTHROPODA:Amphipoda		
Boeckosimus plautus	4	0.0016
ARTHROPODA: Cumacea		
Brachydiastylis resima	8	0.0020
Leucon nasica	4	0.0068
ARTHROPODA:Isopoda		
Mesidotea sabini	4	0.0244
ARTHROPODA:Tanaidacea		
Leptognathia sp. a	4	0.0004
ASCHELMINTHES:Nematoda		
Nematode	4	0.0001
MOLLUSCA:Gastropoda		
Cylichna occulta	28	0.0524
Retusa obtusa	12	0.0028
MOLLUSCA:Pelecypoda		
Lyonsia arenosa	8	0.0112
Macoma calcarea	4	0.0116
Nucula belloti	16	0.0124
Pandora glacialis	4	0.0948
Portlandia arctica	16	0.0212
TOTAL	168	0.7809

Table 56. Density and biomass of invertebrates collected by grab from station 75-575.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	56	0.0028
ANNELIDA:Polychaeta		
Ampharete acutifrons	32	0.0124
Amphicteis sundevalli	4	0.3152
Apistobranchus tullbergi	20	0.0028
Aricidea sp.	16	0.0020
Artacama proboscidea	4	0.0396
Cossura longocirrata	20	0.0016
Dysponetus pygmaeus	4	0.0004
Ephesiella biserialis	4	0.0012
Ephesiella minuta	4	0.0008
Leiochone polaris	16	0.0544
Lumbrineris minuta	12	0.0012
Micronephthys minuta	48	0.0100
Nephtys ciliata	4	0.1132
Prionospio cirrifera	4	0.0008
Tharyx acutus	112	0.0224
Trochochaeta carica	72	0.0248
ARTHROPODA:Amphipoda		
Aceroides l. latipes	4	0.0012
Atylus carinatus	4	0.0004
Boeckosimus plautus	4	0.0008
Haploops laevis	64	0.1012
Pontoporeia femorata	16	0.0124
Tryphosella schneideri	8	0.0056
ARTHROPODA:Cumacea		
Brachydiastylis resima	16	0.0036
Diastylis sulcata	28	0.0024
ARTHROPODA:Isopoda		
Mesidotea sabini	4	0.1032
Mesidotea sibirica	36	0.2644
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	20	0.0020
ARTHROPODA:Tanaidacea		
Leptognathia sp. a	36	0.0024
Leptognathia sp. b	32	0.0012
ASCHELMINTHES:Nematoda		
Nematode	308	0.0040

Table 56. (cont'd.)

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ECTOPROCTA		
Bryozoan	X	0.3876
MOLLUSCA:Gastropoda		
Cylichna alba	4	0.0004
Lunatia pallida	4	0.6548
Philine finmarchia	4	0.0008
Retusa obtusa	12	0.0008
MOLLUSCA:Pelecypoda		
Astarte montagui	28	0.0092
Lyonsia arenosa	8	0.0452
Macoma moesta	40	0.5120
Musculus niger	4	0.0084
Pecten groenlandicus	4	0.0008
Portlandia arctica	176	0.8104
Thracia myopsis	4	0.0676
NEMERTINA		
Nemertean	12	0.6716
PRIAPULIDA		
Priapulus caudatus	8	0.0032
TOTAL	1320	4.2832

Table 57. Density and biomass of invertebrates collected by grab from station 75-604.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ampharete vega	3392	0.7344
Chaetozone sp.	212	0.0068
Micronephthys minuta	332	0.1120
Prionospio cirrifera	1068	0.0416
ARTHROPODA:Amphipoda		
Boeckosimus affinis	120	0.1892
Gammarus setosus	120	0.2788
Onisimus glacialis	4	0.0112
Pontoporeia femorata	108	0.0616
ARTHROPODA:Cumacea		
Diastylis sulcata	4	0.0001
ARTHROPODA:Isopoda		
Mesidotea entomon	16	0.2892
ASCHELMINTHES:Nematoda		
Nematode	44	0.0016
CHORDATA:Ascidiacea		
Rhizomolgula globularis	4	0.0084
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	212	0.4932
Macoma balthica	1352	4.9388
Yoldiella intermedia	1936	0.9756
NEMERTINA		
Nemertean	16	0.0384
PRIAPULIDA		
Halicryptus spinulosus	24	0.1296
TOTAL	8964	8.3105

Table 58. Density and biomass of invertebrates collected by grab from station 75-605.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ampharete vega	3.5	0.0004
ARTHROPODA:Amphipoda		
Pontoporeia femorata	3.5	0.0004
ASCHELMINTHES:Nematoda		
Nematode	2835.0	0.0350
PRIAPULIDA		
Halicryptus spinulosus	7.0	0.0049
TOTAL	2849.0	0.0407

Table 59. Density and biomass of invertebrates collected by grab from station 75-606.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ampharete vega	7.0	0.0032
Antinoella sarsi	140.0	0.0980
Capitella capitata	14.0	0.0007
Chaetozone sp.	2719.5	0.2170
Micronephthys minuta	602.0	0.0872
Nereimyra aphroditoides	1295.0	0.1729
Prionospio cirrifera	2992.5	0.2248
Terebellides stroemi	3.5	0.0004
ARTHROPODA:Ostracoda		
Cythereis sp. a	707.0	0.0648
ASCHELMINTHES:Nematoda		
Nematode	5162.5	0.0385
MOLLUSCA:Gastropoda		
Oenopota arctica	42.0	0.1078
MOLLUSCA:Pelecypoda		
Macoma balthica	28.0	0.0109
Yoldiella intermedia	423.5	0.1985
NEMERTINA		
Nemertean	24.5	0.0385
PRIAPULIDA		
Halicryptus spinulosus	14.0	0.1026
TOTAL	14175.0	1.2558

Table 60. Density and biomass of invertebrates collected by grab from station 75-607.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Chaetozone sp.	367.5	0.0266
Nereimyra aphroditoides	42.0	0.0053
Prionospio cirrifera	136.5	0.0116
ARTHROPODA:Amphipoda		
Pontoporeia femorata	3.5	0.0025
ASCHELMINTHES:Nematoda		
Nematode	168.0	0.0032
PRIAPULIDA		
Halicryptus spinulosus	52.5	0.0144
TOTAL	770.0	0.0636

Table 61. Density and biomass of invertebrates collected by grab from station 75-608.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ampharete vega	108.5	0.0406
Antinoella sarsi	7.0	0.0046
Capitella capitata	70.0	0.0053
Chaetozone sp.	1452.5	0.0655
Malacoceros fuliginosus	10.5	0.0053
Micronephthys minuta	1316.0	0.1418
Nereimyra aphroditoides	185.5	0.0536
Prionospio cirrifera	143.5	0.0053
Terebellides stroemi	269.5	0.5208
Pieces of polychaetes	X	0.0259
ARTHROPODA:Amphipoda		
Boeckosimus affinis	3.5	0.0137
Boeckosimus plautus	24.5	0.0224
ARTHROPODA:Cumacea		
Diastylis sulcata	38.5	0.0077
ARTHROPODA:Isopoda		
Mesidotea entomon	7.0	0.1208
ASCHELMINTHES:Nematoda		
Nematode	14.0	0.0001
CHORDATA:Ascidiacea		
Rhizomolgula globularis	3.5	0.0088
MOLLUSCA:Gastropoda		
Oenopota arctica	35.0	0.0585
MOLLUSCA:Pelecypoda		
Macoma balthica	182.0	0.9023
Yoldiella intermedia	136.5	0.5457
NEMERTINA		
Nemertean	10.5	0.0186
PRIAPULIDA		
Halicryptus spinulosus	3.5	0.0581
TOTAL	4021.5	2.6254

Table 62. Density and biomass of invertebrates collected by grab from station 75-609.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Antinoella sarsi	52.5	0.0063
Chaetozone sp.	77.0	0.0028
Micronephthys minuta	287.0	0.0413
Nereimyra aphroditoides	182.0	0.0343
Prionospio cirrifera	84.0	0.0067
ARTHROPODA:Amphipoda		
Boeckosimus plautus	3.5	0.0035
ASCHELMINTHES:Nematoda		
Nematode	392.0	0.0049
MOLLUSCA:Gastropoda		
Cylichna occulta	24.5	0.0116
Oenopota arctica	38.5	0.2321
MOLLUSCA:Pelecypoda		
Yoldiella intermedia	70.0	0.0616
NEMERTINA		
Nemertean	7.0	0.3903
PRIAPULIDA		
Priapulus caudatus	10.5	0.1001
TOTAL	1228.5	0.8955

Table 63. Density and biomass of invertebrates collected by grab from station 75-610.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Antinoella sarsi	3.5	0.0413
Capitella capitata	3.5	0.0039
Chaetozone sp.	122.5	0.0049
Euchone papillosa	7.0	0.0175
Micronephthys minuta	7.0	0.0014
Nereimyra aphroditoides	892.5	0.0616
Prionospio cirrifera	3934.0	0.3045
ARTHROPODA:Isopoda		
Mesidotea entomon	3.5	0.0861
ASCHELMINTHES:Nematoda		
Nematode	2170.0	0.0137
TOTAL	7143.5	0.5349

Table 64. Density and biomass of invertebrates collected by grab from station 75-611.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	17.5	0.0025
ANNELIDA:Polychaeta		
Ampharete vega	7129.5	4.3733
Malacoceros fuliginosus	10.5	0.0028
Micronephthys minuta	38.5	0.0116
Prionospio cirrifera	122.5	0.0046
ARTHROPODA:Amphipoda		
Aceroides l. latipes	21.0	0.0046
Boeckosimus affinis	98.0	0.0872
Onisimus glacialis	14.0	0.0126
Pontoporeia affinis	21.0	0.0004
Pontoporeia femorata	77.0	0.0595
ARTHROPODA:Cumacea		
Diastylis sulcata	213.5	0.1271
ARTHROPODA:Isopoda		
Mesidotea entomon	14.0	0.0207
ASCHELMINTHES:Nematoda		
Nematode	703.5	0.0105
CHORDATA:Ascidiacea		
Rhizomolgula globularis	3.5	0.0074
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	133.0	0.8985
Macoma balthica	2184.0	13.7932
Yoldiella intermedia	577.5	0.7893
NEMERTINA		
Nemertean	21.0	0.0112
PRIAPULIDA		
Halicryptus spinulosus	42.0	0.5100
TOTAL	11441.5	20.7270

Table 65. Density and biomass of invertebrates collected by grab from station 75-612.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	24.5	0.0032
ANNELIDA:Polychaeta		
Ampharete vega	192.5	0.1257
Malacoceros fuliginosus	28.0	0.0133
Micronephthys minuta	3.5	0.0025
ARTHROPODA:Amphipoda		
Acanthostepheia behringiensis	3.5	0.0025
Boeckosimus affinis	31.5	0.0350
Onisimus glacialis	14.0	0.0130
Pontoporeia affinis	17.5	0.0116
Pontoporeia femorata	3.5	0.0070
ARTHROPODA:Cumacea		
Diastylis sulcata	696.5	0.2384
ARTHROPODA:Isopoda		
Mesidotea entomon	28.0	0.0868
CHORDATA:Ascidiacea		
Rhizomolgula globularis	3.5	0.0606
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	10.5	0.3059
Macoma balthica	409.5	6.6392
Yoldiella intermedia	10.5	0.1929
PRIAPULIDA		
Halicryptus spinulosus	24.5	0.1943
TOTAL	1501.5	7.9319

Table 66. Density and biomass of invertebrates collected by grab from station 75-613.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	1599.5	0.0284
ANNELIDA:Polychaeta		
Ampharete vega	276.5	0.2762
Malacoceros fuliginosus	2044.0	0.5184
Prionospio cirrifera	3.5	0.0004
Pieces of polychaetes	X	0.0126
ARTHROPODA:Amphipoda		
Monoculodes sp.	3.5	0.0004
Onisimus glacialis	14.0	0.0042
Pontoporeia affinis	17.5	0.0049
Pontoporeia femorata	136.5	0.0315
ARTHROPODA:Cumacea		
Diastylis sulcata	91.0	0.0207
ARTHROPODA:Mysidacea		
Mysis litoralis	24.5	0.0039
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	136.5	0.7378
NEMERTINA		
Nemertean	49.0	0.0280
PRIAPULIDA		
Halicryptus spinulosus	38.5	0.1071
TOTAL	4434.5	1.7745

Table 67. Density and biomass of invertebrates collected by grab from station A.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	84	0.0056
ANNELIDA:Polychaeta		
Capitella capitata	14	0.0003
Malacoceros fuliginosus	14	0.0014
Prionospio cirrifera	322	0.0504
Tharyx acutus	70	0.0028
ARTHROPODA:Amphipoda		
Haploops laevis	28	0.1834
Pontoporeia femorata	28	0.0644
ARTHROPODA:Cumacea		
Diastylis sulcata	154	0.0210
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	28	0.0014
MOLLUSCA:Gastropoda		
Oenopota elegans	14	0.2198
Oenopota novajasemliensis	14	0.0546
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	84	2.6488
Yoldiella intermedia	84	0.7896
PRIAPULIDA		
Halicryptus spinulosus	14	1.6604
TOTAL	952	5.7039

Table 68. Density and biomass of invertebrates collected by grab from station B.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ephesiella minuta	14	0.0056
Leiochone polaris	28	0.0532
Tharyx acutus	14	0.0002
ARTHROPODA:Amphipoda		
Haploops laevis	126	1.3104
Pontoporeia femorata	42	0.0280
ARTHROPODA:Cumacea		
Brachydiastylis resima	14	0.0014
Diastylis sulcata	14	0.0002
ARTHROPODA:Isopoda		
Mesidotea sibirica	14	8.8578
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	42	0.0002
MOLLUSCA:Gastropoda		
Cylichna occulta	84	0.0294
MOLLUSCA:Pelecypoda		
Astarte borealis	140	0.1946
Astarte montagui	126	0.5614
Liocyma fluctuosa	28	0.0028
Lyonsia arenosa	14	0.0056
Macoma calcarea	28	0.0420
Musculus corrugatus	14	0.0784
Portlandia arctica	462	3.1822
PRIAPULIDA		
Priapulus caudatus	28	0.0350
TOTAL	1232	14.3884

Table 69. Density and biomass of invertebrates collected by grab from station C.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ampharete vega	14	0.0336
Malacoceros fuliginosus	14	0.0182
MOLLUSCA:Pelecypoda		
Astarte montagui	14	0.3836
Montacuta maltzani	42	0.0070
TOTAL	84	0.4424

Table 70. Density and biomass of invertebrates collected by grab from station D.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Terebellides stroemi	14	0.0560
Trochochaeta carica	14	0.1526
ARTHROPODA:Isopoda		
Mesidotea sabini	14	0.0504
ARTHROPODA:Ostracoda		
Cythereis sp. a	406	0.0350
MOLLUSCA:Gastropoda		
Cylichna alba	42	0.0070
Oenopota arctica	28	0.0308
Oenopota reticulata	14	0.0112
MOLLUSCA:Pelecypoda		
Liocyma fluctuosa	238	0.4914
Portlandia arctica	42	0.3164
Yoldiella fraterna	14	0.0028
Yoldiella intermedia	70	0.5166
TOTAL	896	1.6702

Table 71. Density and biomass of invertebrates collected by grab from station E.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Scoloplos sp.	14	0.3332
Trochochaeta carica	42	0.0266
ARTHROPODA:Amphipoda		
Haploops laevis	42	0.0028
Tryphosella sp.	14	0.0070
ARTHROPODA:Isopoda		
Mesidotea sabini	14	0.0644
MOLLUSCA:Gastropoda		
Cylichna occulta	28	0.0378
Oenopota novajasemliensis	14	0.0112
MOLLUSCA:Pelecypoda		
Pecten groenlandicus	14	0.0070
Portlandia arctica	84	0.1904
TOTAL	266	0.6804

Table 72. Density and biomass of invertebrates collected by grab from station G.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Prionospio cirrifera	14	0.0001
ARTHROPODA:Isopoda		
Mesidotea entomon	14	0.2128
TOTAL	28	0.2129

Table 73. Density and biomass of invertebrates collected by grab from station 1.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Malacoceros fuliginosus	900.0	0.0558
Prionospio cirrifera	4.5	0.0005
ARTHROPODA:Amphipoda		
Monoculodes sp.	292.5	0.0090
Onisimus glacialis	9.0	0.0185
Pontoporeia affinis	2065.5	0.2187
ARTHROPODA:Isopoda		
Mesidotea entomon	67.5	0.0527
ARTHROPODA:Mysidacea		
Mysis litoralis	4.5	0.0005
Mysis relicta	22.5	0.0068
TOTAL	3366.5	0.3625

Table 74. Density and biomass of invertebrates collected by grab from station 4.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Malacoceros fuliginosus	981.0	0.0059
ARTHROPODA:Amphipoda		
Pontoporeia affinis	13.5	0.0077
ARTHROPODA:Isopoda		
Mesidotea entomon	13.5	0.0675
ARTHROPODA:Mysidacea		
Mysis litoralis	13.5	0.0041
Mysis relicta	4.5	0.0045
TOTAL	1026.0	0.0897

Table 75. Density and biomass of invertebrates collected by grab from station 25.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ampharete vega	4.5	0.0009
ARTHROPODA:Amphipoda		
Onisimus glacialis	13.5	0.0050
ARTHROPODA:Isopoda		
Mesidotea entomon	9.0	2.3796
ARTHROPODA:Mysidacea		
Mysis relicta	4.5	0.0036
TOTAL	31.5	2.3891

Table 76. Density and biomass of invertebrates collected by grab from station 26.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Malacoceros fuliginosus	4.5	0.0018
ARTHROPODA:Amphipoda		
Onisimus glacialis	4.5	0.0009
PRIAPULIDA		
Halicryptus spinulosus	4.5	0.0018
TOTAL	13.5	0.0045

Table 77. Density and biomass of invertebrates collected by grab from station 27.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ampharete acutifrons	13.5	0.0054
Amphicteis sundevalli	13.5	0.6723
Antinoella sarsi	4.5	0.0338
Artacama proboscidea	4.5	0.0779
Ephesiella biserialis	4.5	0.0018
Leiochone polaris	40.5	0.0851
Lumbrineris tenuis	9.0	0.0005
Phyllodoce groenlandica	4.5	0.0063
Scoloplos armiger	4.5	0.0054
Tharyx acutus	4.5	0.0009
Trochochaeta carica	4.5	0.0009
ARTHROPODA:Amphipoda		
Haploops laevis	4.5	0.0167
ARTHROPODA:Cumacea		
Diastylis sulcata	9.0	0.0230
ARTHROPODA:Isopoda		
Mesidotea sabini	9.0	0.0297
Mesidotea sibirica	4.5	0.9882
ECHINODERMATA:Holothuroidea		
Holothuroid	4.5	0.0081
MOLLUSCA:Gastropoda		
Cingula castanea	9.0	0.0054
Cylichna occulta	13.5	0.0099
MOLLUSCA:Pelecypoda		
Astarte borealis	27.0	0.9423
Astarte montagui	40.5	0.8294
Lyonsia arenosa	4.5	0.2880
Macoma moesta	9.0	0.1053
Portlandia arctica	198.0	1.1255
Thracia myopsis	4.5	0.0090
Thyasira gouldi	13.5	0.0108
TOTAL	459.0	5.2817

Table 78. Density and biomass of invertebrates collected by grab from station 31.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	67.5	0.0054
ANNELIDA:Polychaeta		
Capitella capitata	22.5	0.0014
Ephesiella minuta	13.5	0.0023
Eteone longa	4.5	0.0018
Prionospio cirrifera	153.0	0.0090
Tharyx acutus	22.5	0.0014
ARTHROPODA:Amphipoda		
Boeckosimus affinis	108.0	0.3159
Onisimus glacialis	4.5	0.0090
Pontoporeia affinis	9.0	0.0050
Pontoporeia femorata	112.5	0.0450
ARTHROPODA:Cumacea		
Diastylis sulcata	486.0	0.2093
ARTHROPODA:Isopoda		
Mesidotea entomon	9.0	2.0678
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	130.5	1.7051
Macoma balthica	9.0	0.3407
Yoldiella intermedia	67.5	0.5922
TOTAL	1219.5	5.3113

Table 79. Density and biomass of invertebrates collected by grab from station 34.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Peloscolex sp.	36.0	0.0014
ANNELIDA:Polychaeta		
Eteone longa	4.5	0.0032
Malacoceros fuliginosus	9.0	0.0064
ARTHROPODA:Amphipoda		
Acanthostepheia behringiensis	4.5	0.0041
Monoculopsis longicornis	13.5	0.0001
Onisimus glacialis	9.0	0.0500
Pontoporeia affinis	364.5	0.0963
Priscillina armata	4.5	0.0005
ARTHROPODA:Isopoda		
Mesidotea entomon	4.5	0.0009
ARTHROPODA:Mysidacea		
Mysis litoralis	9.0	0.0014
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	144.0	0.4104
Yoldiella intermedia	9.0	0.0365
NEMERTINA		
Nemertean	9.0	0.0126
TOTAL	621.0	0.6238

Table 80. Density and biomass of invertebrates collected by grab from station 41.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ARTHROPODA:Amphipoda		
Gammarus oceanicus	4.5	0.0077
TOTAL	4.5	0.0077

Table 81. Density and biomass of invertebrates collected by grab from station 100.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ampharete vega	13.5	0.0392
Chaetozone sp.	36.0	0.0122
Malacoceros fuliginosus	4.5	0.0086
Prionospio cirrifera	94.5	0.0212
Trochochaeta carica	4.5	0.0001
ARTHROPODA:Amphipoda		
Atylus carinatus	4.5	0.0405
Boeckosimus affinis	4.5	0.0162
ARTHROPODA:Isopoda		
Mesidotea sibirica	9.0	0.1476
MOLLUSCA:Pelecypoda		
Pecten groenlandicus	4.5	0.0001
TOTAL	175.5	0.2857

Table 82. Density and biomass of invertebrates collected by grab from station 104.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Peloscolex sp.	162.0	0.1040
ANNELIDA:Polychaeta		
Malacoceros fuliginosus	108.0	0.0167
ARTHROPODA:Amphipoda		
Onisimus glacialis	63.0	0.0693
Pontoporeia affinis	112.5	0.0675
Pontoporeia femorata	4.5	0.0144
ARTHROPODA:Isopoda		
Mesidotea entomon	72.0	0.8339
ARTHROPODA:Mysidacea		
Mysis litoralis	45.0	0.0041
Mysis relicta	9.0	0.0207
TOTAL	576.0	1.1306

Table 83. Density and biomass of invertebrates collected by grab from station 107.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta *Peloscolex* sp.	9.0	0.0005
ANNELIDA:Polychaeta *Malacoceros fuliginosus*	9.0	0.0095
ARTHROPODA:Amphipoda *Pontoporeia affinis*	58.5	0.0387
ARTHROPODA:Mysidacea *Mysis litoralis*	9.0	0.0014
TOTAL	85.5	0.0501

Table 84. Density and biomass of invertebrates collected by grab from station 114.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Micronephthys minuta	31.5	0.0162
ARTHROPODA:Amphipoda		
Gammaracanthus loricatus	4.5	0.0144
Pontoporeia affinis	9.0	0.0081
Pontoporeia femorata	4.5	0.0117
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	85.5	0.7583
Macoma balthica	4.5	0.0828
Portlandia arctica	18.0	0.0248
NEMERTINA		
Nemertean	4.5	0.1616
PRIAPULIDA		
Halicryptus spinulosus	18.0	0.0068
TOTAL	180.0	1.0847

Table 85. Density and biomass of invertebrates collected by grab from station 200.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ARTHROPODA:Amphipoda		
Pontoporeia affinis	9.0	0.0081
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	261.0	0.8955
Macoma balthica	18.0	0.9387
PRIAPULIDA		
Halicryptus spinulosus	9.0	0.0027
TOTAL	297.0	1.8450

Table 86. Density and biomass of invertebrates collected by grab from station 75-005.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Peloscolex sp.	1960	0.0520
ANNELIDA:Polychaeta		
Malacoceros fuliginosus	208	0.4972
ARTHROPODA:Amphipoda		
Pontoporeia affinis	20	0.0404
ARTHROPODA:Isopoda		
Mesidotea entomon	12	0.1096
NEMERTINA		
Nemertean	28	0.0104
TOTAL	2228	0.7096

Table 87. Density and biomass of invertebrates collected by grab from station 75-006.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Peloscolex sp.	1468	0.0884
ANNELIDA:Polychaeta		
Malacoceros fuliginosus	652	0.5800
ARTHROPODA:Isopoda		
Mesidotea entomon	20	0.0280
NEMERTINA		
Nemertean	28	0.0788
TOTAL	2168	0.7752

Table 88. Density and biomass of invertebrates collected by grab from station 75-008.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Peloscolex sp.	140	0.0104
ANNELIDA:Polychaeta		
Malacoceros fuliginosus	52	0.0852
TOTAL	192	0.0956

Table 89. Density and biomass of invertebrates collected by grab from station 75-009.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ARTHROPODA:Amphipoda		
Pontoporeia affinis	16	0.0116
ARTHROPODA:Isopoda		
Mesidotea entomon	8	0.0024
TOTAL	24	0.0140

Table 90. Density and biomass of invertebrates collected by grab from station 75-012.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ARTHROPODA:Insecta		
Chironomid ?	4	0.0008
MOLLUSCA:Pelecypoda		
Pelecypod	24	0.0016
TOTAL	28	0.0024

Table 91. Density and biomass of invertebrates collected by grab from station 75-013.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ARTHROPODA:Insecta		
Chironomid?	4	0.0004
MOLLUSCA:Pelecypoda		
Pelecypod	20	0.0028
MISCELLANEOUS		
Unidentified invertebrate	4	0.0008
TOTAL	28	0.0040

Table 92. Density and biomass of invertebrates collected by grab from station 75-014.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
MOLLUSCA:Pelecypoda		
Pelecypod	56	0.0080
MISCELLANEOUS		
Unidentified invertebrate	X	0.0552
TOTAL	56	0.0632

Table 93. Density and biomass of invertebrates collected by grab from station 75-015.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	8	0.0016
ARTHROPODA:Mysidacea		
Mysis relicta	4	0.0004
MOLLUSCA:Pelecypoda		
Pelecypod	8	0.0008
MISCELLANEOUS		
Unidentified invertebrate	4	0.0012
TOTAL	24	0.0040

Table 94. Density and biomass of invertebrates collected by grab from station 75-016.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	1244	0.1024
ANNELIDA:Polychaeta		
Polydora aggregata	84	0.0148
Prionospio cirrifera	196	0.1056
ARTHROPODA:Amphipoda		
Gammarus oceanicus	8	0.0316
CHORDATA:Ascidiacea		
Rhizomolgula globularis	8	0.0004
MOLLUSCA:Pelecypoda		
Mytilus edulis	8	0.0008
PRIAPULIDA		
Halicryptus spinulosus	3672	0.2580
TOTAL	5220	0.5136

Table 95. Density and biomass of invertebrates collected by grab from station 75-017.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	4476	0.2580
ANNELIDA:Polychaeta		
Micronephthys minuta	256	0.1196
Polydora aggregata	3420	0.6080
Prionospio cirrifera	3552	0.8300
ARTHROPODA:Amphipoda		
Pontoporeia femorata	36	0.0036
MOLLUSCA:Pelecypoda		
Macoma balthica	24	0.2656
Mytilus edulis	116	0.0648
PRIAPULIDA		
Halicryptus spinulosus	188	0.1896
TOTAL	12068	2.3392

Table 96. Density and biomass of invertebrates collected by grab from station 75-018.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	932	0.0784
ANNELIDA:Polychaeta		
Ampharete vega	48	0.0388
Chaetozone sp.	1828	0.3272
Ephesiella minuta	8	0.0016
Micronephthys minuta	1136	0.3296
Prionospio cirrifera	2308	0.3932
ARTHROPODA:Amphipoda		
Pontoporeia affinis	24	0.0156
Pontoporeia femorata	240	0.3608
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	160	0.0040
ECTOPROCTA		
Bryozoan	X	0.0200
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	16	0.0988
Macoma balthica	160	1.0484
Yoldiella intermedia	4	0.1936
PRIAPULIDA		
Halicryptus spinulosus	156	0.5928
TOTAL	7020	3.5028

Table 97. Density and biomass of invertebrates collected by grab from station 75-019.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	20	0.0008
ANNELIDA:Polychaeta		
Prionospio cirrifera	4	0.0004
MOLLUSCA:Pelecypoda		
Macoma balthica	4	0.0224
TOTAL	28	0.0236

Table 98. Density and biomass of invertebrates collected by grab from station 75-020.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	32	0.0032
ANNELIDA:Polychaeta		
Chaetozone sp.	48	0.0140
Eteone longa	32	0.0064
Micronephthys minuta	688	0.3120
Prionospio cirrifera	1280	0.0624
MOLLUSCA:Pelecypoda		
Macoma balthica	320	0.7480
NEMERTINA		
Nemertean	16	0.0092
PRIAPULIDA		
Halicryptus spinulosus	6832	0.1924
TOTAL	9248	1.3476

Table 99. Density and biomass of invertebrates collected by grab from station 75-023.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Peloscolex sp.	832	0.0400
Oligochaete	856	0.0592
ANNELIDA:Polychaeta		
Ampharete vega	376	0.1656
Chaetozone sp.	208	0.0320
Malacoceros fuliginosus	104	0.0144
Micronephthys minuta	24	0.0024
ARTHROPODA:Amphipoda		
Boeckosimus affinis	16	0.0256
Pontoporeia femorata	16	0.0056
ARTHROPODA:Cumacea	568	0.1944
Diastylis sulcata		
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	72	0.1096
Macoma balthica	740	4.7472
Yoldiella intermedia	20	0.0388
PRIAPULIDA		
Halicryptus spinulosus	220	0.2404
TOTAL	4052	5.6752

Table 100. Density and biomass of invertebrates collected by grab from station 75-025.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Peloscolex sp.	560	0.0176
Oligochaete	36	0.0016
ANNELIDA:Polychaeta		
Ampharete vega	596	0.1716
Malacoceros fuliginosus	52	0.0088
ARTHROPODA:Amphipoda		
Boeckosimus affinis	16	0.0016
Pontoporeia femorata	88	0.0088
ARTHROPODA:Cumacea		
Diastylis sulcata	244	0.0840
ARTHROPODA:Isopoda		
Mesidotea entomon	36	0.0596
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	104	0.0008
ASCHELMINTHES:Nematoda		
Nematode	16	0.0016
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	368	0.5104
Macoma balthica	748	3.1740
Yoldiella intermedia	36	0.0032
PRIAPULIDA		
Halicryptus spinulosus	140	0.2656
TOTAL	3040	4.3092

Table 101. Density and biomass of invertebrates collected by grab from station 75-026.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Peloscolex sp.	564	0.0452
ANNELIDA:Polychaeta		
Ampharete vega	424	0.3192
Chaetozone sp.	2096	0.3004
Malacoceros fuliginosus	172	0.2784
Micronephthys minuta	92	0.0124
ARTHROPODA:Amphipoda		
Aceroides l. latipes	16	0.0032
Boeckosimus affinis	48	0.0388
Pontoporeia femorata	108	0.0516
ARTHROPODA:Cumacea		
Diastylis sulcata	908	0.3692
ARTHROPODA:Isopoda		
Mesidotea entomon	16	0.0812
ECTOPROCTA		
Bryozoan	X	0.0224
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	176	0.7772
Macoma balthica	940	7.8512
Yoldiella intermedia	12	0.1036
NEMERTINA		
Nemertean	32	0.0468
PRIAPULIDA		
Halicryptus spinulosus	108	0.6688
TOTAL	5712	10.9696

Table 102. Density and biomass of invertebrates collected by grab from station 75-028.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ampharete vega	3256	1.1744
Malacoceros fuliginosus	148	0.0264
Micronephthys minuta	132	0.0084
ARTHROPODA:Cumacea		
Diastylis sulcata	16	0.0084
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	16	0.1372
Macoma balthica	152	0.8308
PRIAPULIDA		
Halicryptus spinulosus	16	0.0016
TOTAL	3736	2.1872

Table 103. Density and biomass of invertebrates collected by grab from station 75-029.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Peloscolex sp.	144	0.0036
ANNELIDA:Polychaeta		
Ampharete vega	4	0.0012
Malacoceros fuliginosus	4	0.0012
ARTHROPODA:Amphipoda		
Pontoporeia affinis	8	0.0096
ARTHROPODA:Isopoda		
Mesidotea entomon	4	0.0060
TOTAL	164	0.0216

Table 104. Density and biomass of invertebrates collected by grab from station 75-030.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	48	0.0032
ANNELIDA:Polychaeta		
Ampharete vega	116	0.0476
Chaetozone sp.	16	0.0016
Malacoceros fuliginosus	232	0.0988
ARTHROPODA:Amphipoda		
Pontoporeia affinis	84	0.0228
Pontoporeia femorata	264	0.0512
ARTHROPODA:Cumacea		
Diastylis sulcata	100	0.0196
ARTHROPODA:Isopoda		
Mesidotea entomon	96	0.2056
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	132	0.0016
Cytheridea sp.	312	0.0028
ASCHELMINTHES:Nematoda		
Nematode	16	0.0008
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	176	0.4732
Macoma balthica	332	2.5392
Yoldiella intermedia	12	0.0252
NEMERTINA		
Nemertean	32	0.0560
PRIAPULIDA		
Halicryptus spinulosus	232	0.2928
TOTAL	2200	3.8420

Table 105. Density and biomass of invertebrates collected by grab from station 75-031.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	388	0.0296
ANNELIDA:Polychaeta		
Ampharete vega	128	0.0976
Chaetozone sp.	440	0.0812
Laonome kroyeri	24	0.0448
Micronephthys minuta	80	0.0148
Prionospio cirrifera	7420	0.5376
Pygospio elegans	16	0.0032
Terebellides stroemi	4	0.0380
ARTHROPODA:Amphipoda		
Aceroides l. latipes	48	0.0092
Boeckosimus affinis	16	0.0188
Pontoporeia femorata	180	0.0308
ARTHROPODA:Cumacea		
Diastylis sulcata	716	0.2144
ARTHROPODA:Isopoda		
Mesidotea entomon	60	0.3132
ARTHROPODA:Mysidacea		
Mysis relicta	828	0.3876
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	28	0.2140
Macoma balthica	8	0.0240
Yoldiella intermedia	84	0.2340
PRIAPULIDA		
Halicryptus spinulosus	360	0.2724
TOTAL	10828	2.5648

Table 106. Density and biomass of invertebrates collected by grab from station 75-032.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ampharete vega	192	0.0756
Chaetozone sp.	8	0.0012
Malacoceros fuliginosus	12	0.0020
Orbinia sp.	4	0.0160
Prionospio cirrifera	64	0.0068
ARTHROPODA:Amphipoda		
Gammarus oceanicus	4	0.0088
Priscillina armata	12	0.0060
ARTHROPODA:Cumacea		
Diastylis sulcata	4	0.0004
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	4	0.0001
Cythereis sp. a	24	0.0016
Cythereis sp. b	36	0.0012
ASCHELMINTHES:Nematoda		
Nematode	4	0.0001
MOLLUSCA:Pelecypoda		
Montacuta maltzani	52	0.0012
Yoldiella intermedia	268	0.3360
TOTAL	688	0.4570

Table 107. Density and biomass of invertebrates collected by grab from station 75-033.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Oligochaeta		
Oligochaete	272	0.0108
ANNELIDA:Polychaeta		
Ampharete vega	452	0.4320
Chaetozone sp.	3208	0.2764
Eteone longa	12	0.0020
Malacoceros fuliginosus	152	0.0180
Micronephthys minuta	20	0.0020
Prionospio cirrifera	96	0.0056
ARTHROPODA:Amphipoda		
Boeckosimus affinis	44	0.1452
Paroediceros lynceus	32	0.0068
Pontoporeia femorata	164	0.0688
ARTHROPODA:Cumacea		
Diastylis sulcata	1264	0.1640
ARTHROPODA:Isopoda		
Mesidotea entomon	44	0.1092
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	292	0.0036
Cythereis sp. a	128	0.0024
Cytheridea sp.	776	0.0064
ASCHELMINTHES:Nematoda		
Nematode	572	0.0108
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	252	1.9716
Macoma balthica	260	2.1156
Yoldiella intermedia	3412	0.5032
PRIAPULIDA		
Halicryptus spinulosus	336	0.6752
TOTAL	11788	6.5296

Table 108. Density and biomass of invertebrates collected by grab from station 75-034.

Species	Density (no. m^{-2})	Biomass (g m^{-2})
ANNELIDA:Polychaeta		
Ampharete vega	412	0.1436
Chaetozone sp.	32	0.0044
Malacoceros fuliginosus	16	0.0096
Orbinia sp.	4	0.0120
Prionospio cirrifera	272	0.0268
ARTHROPODA:Amphipoda		
Boeckosimus affinis	4	0.0128
Pontoporeia femorata	8	0.0004
Priscillina armata	116	0.0324
ARTHROPODA:Cumacea		
Diastylis sulcata	24	0.0224
ARTHROPODA:Isopoda		
Mesidotea entomon	4	0.0620
ARTHROPODA:Ostracoda		
Cyprideis sorbyana	4	0.0001
Cythereis sp. a	124	0.0080
Cytheridea sp.	24	0.0008
MOLLUSCA:Pelecypoda		
Cyrtodaria kurriana	4	0.0004
Montacuta maltzani	40	0.0024
Yoldiella intermedia	260	0.2944
NEMERTINA		
Nemertean	4	0.0016
PRIAPULIDA		
Halicryptus spinulosus	4	0.0072
TOTAL	1356	0.6413

Table 109. Invertebrates collected by dredge from station 75-570.

Species	No.	Dry Wt. (g)
ANNELIDA:Polychaeta		
Ampharete goesi	1	0.0271
Antinoella badia	3	0.2325
Branchiomma infarcta	3	0.1455
Chaetozone sp.	2	0.0031
Euchone analis	1	0.0024
Euchone papillosa	2	0.0046
Gattyana cirrosa	21	0.2807
Harmothoe extenuata	1	0.1285
Harmothoe nodosa	1	0.1344
Leiochone polaris	9	0.0352
Lysippe labiata	1	0.0034
Maldane sarsi	4	0.0167
Melinna cristata	4	0.0621
Myriochele heeri	3	0.0224
Nereis zonata	18	0.4251
Nicomache quadrispinata	3	0.0064
Onuphis conchylega	187	4.8000
Owenia fusiformis	5	0.0106
Petaloproctus tenuis	2	0.0068
Sabellides borealis	1	0.0194
Scalibregma inflatum	1	0.3493
Terebellides stroemi	6	0.0764
ARTHROPODA:Amphipoda		
Acanthostepheia malmgreni	9	0.1296
Ampelisca eschrichti	23	1.1142
Anonyx nugax	2	0.1236
Arrhis phyllonyx	20	0.2696
Byblis gaimardi	30	0.3582
Haploops laevis	9	0.0609
Parathemisto libellula	4	0.0472
Stegocephalus inflatus	2	0.0362
Tmetonyx cicada	1	0.0226
ARTHROPODA:Cumacea		
Diastylis goodsiri	1	0.0524
ARTHROPODA:Decapoda		
Eualus gaimardi belcheri	2	0.1478
Sabinea septemcarinata	4	1.0700

Table 109. (cont'd.)

Species	No.	Dry Wt. (g)
ARTHROPODA:Isopoda		
Mesidotea sabini	3	0.4700
Mesidotea sibirica	1	3.2181
Munnopsis typica	23	0.1642
ARTHROPODA:Pycnogonida		
Nymphon hirtipes	3	0.2457
BRACHIOPODA		
Atretia gnomon	9	0.0711
COELENTERATA:Anthozoa		
Allantactis parasitica	6	2.8200
Coelenterate	X	2.6210
ECHINODERMATA:Asteroidea		
Ctenodiscus crispatus	11	30.5400
Solaster papposus	2	1.7000
Urasterias lincki	3	7.1400
ECHINODERMATA:Ophiuroidea		
Amphiura sp.	1	0.0947
Ophiacantha bidentata	4	1.0300
Ophiocten sericeum	72	8.4200
ECTOPROCTA		
Bryozoan	X	0.0250
MOLLUSCA:Gastropoda		
Admete couthouyi	1	0.0238
Boreotrophon clathratus	2	0.2620
Boreotrophon pacificus	2	0.1310
Buccinum angulosum	2	0.5600
Buccinum tenue	2	1.0000
Colus togatus	8	1.1200
Tachyrhynchus reticulatus	10	0.2555

Table 109. (cont'd.)

Species	No.	Dry Wt. (g)
MOLLUSCA:Pelecypoda		
Astarte borealis	24	0.4756
Astarte montagui	88	2.2200
Bathyarca glacialis	35	2.2100
Clinocardium ciliatum	1	0.0060
Hiatella arctica	1	0.0032
Macoma moesta	2	0.0919
Macoma torelli	1	0.0133
Musculus discors	3	0.0389
Nuculana pernula	5	0.1703
Pecten groenlandicus	4	0.0888
Thracia myopsis	2	0.0633
NEMERTINA		
Nemertean	2	1.6044
SIPUNCULIDA		
Phascolion strombi	85	0.9600
TOTAL	804	80.0827

Table 110. Invertebrates collected by dredge from station 75-572. Represents ca. 50 percent of haul.

Species	No.	Dry Wt. (g)
ANNELIDA:Polychaeta		
Chone infundibuliformis	1	0.0807
Chone sp.	1	0.0011
Euchone papillosa	7	0.0593
Gattyana cirrosa	2	0.0238
Laonome kroyeri	1	0.0312
Lysippe labiata	2	0.0087
Maldane sarsi	18	0.3739
Melaenis loveni	2	0.2234
Myriochele heeri	3	0.0094
Nephtys ciliata	3	0.3838
Phyllodoce groenlandica	1	0.0930
Pista flexuosa	1	0.0096
Pista maculata	2	0.0384
Sabellides borealis	6	0.1057
Terebellides stroemi	1	0.0876
ARTHROPODA:Amphipoda		
Anonyx nugax	1	0.0143
Arrhis phyllonyx	1	0.0026
Haploops laevis	14	0.1347
Haploops tubicola	3	0.0098
Hippomedon abyssi	1	0.0149
Parathemisto libellula	2	0.0169
ARTHROPODA:Cumacea		
Diastylis goodsiri	2	0.0241
ARTHROPODA:Decapoda		
Eualus gaimardi belcheri	3	0.2713
Sabinea septemcarinata	2	0.3143
ARTHROPODA:Isopoda		
Mesidotea sabini	12	2.6000
Munnopsis typica	1	0.0039
Synidotea bicuspida	11	0.5100
ARTHROPODA:Pycnogonida		
Boreonymphon abyssorum	2	0.1321
Nymphon longitarse	2	0.0072

Table 110. (cont'd.)

Species	No.	Dry Wt. (g)
COELENTERATA:Anthozoa		
Allantactis parasitica	6	3.6800
Gersemia rubiformis	2	0.3000
ECHINODERMATA:Asteroidea		
Ctenodiscus crispatus	7	14.5800
Urasterias lincki	15	25.4000
ECHINODERMATA:Ophiuroidea		
Ophiocten sericeum	59	9.7400
ECTOPROCTA		
Bryozoan	X	0.0300
Bryozoan	X	0.0200
Bryozoan	X	0.0010
MOLLUSCA:Gastropoda		
Buccinum angulosum	3	0.7500
Buccinum tenue	2	0.2753
Colus togatus	12	7.8000
Cylichna alba	2	0.0231
Margarites olivaceus	2	0.0434
Neptunea heros	1	0.2104
Tachyrhynchus erosus	20	0.5028
Trichotropis borealis	4	0.1234
Volutopsius deformis (shell)	1	-
MOLLUSCA:Pelecypoda		
Astarte borealis	2	0.0190
Liocyma fluctuosa	2	0.1655
Lyonsia arenosa	4	0.0691
Macoma calcarea	37	3.3000
Macoma moesta	14	0.4800
Musculus discors	2	0.0109
Nucula belloti	13	0.6300
Nuculana pernula	6	0.5200
Pandora glacialis	1	0.0044
Periploma abyssorum	1	0.0030
Yoldia h. hyperborea	7	1.5100
SIPUNCULIDA		
Golfingia margaritacea	1	1.1000
TOTAL	334	76.8580

Table 111. Invertebrates collected by dredge from station 75-574.

Species	No.	Dry Wt. (g)
ANNELIDA:Polychaeta		
Maldane sarsi	1	0.0657
Nephtys ciliata	3	1.2317
Pectinaria hyperborea	2	0.0537
ARTHROPODA:Amphipoda		
Ampelisca eschrichti	11	0.3295
Hyperia galba	3	0.0678
ARTHROPODA:Decapoda		
Sabinea septemcarinata	1	0.1097
ARTHROPODA:Isopoda		
Mesidotea sabini	2	2.3300
MOLLUSCA:Pelecypoda		
Macoma calcarea	5	0.7645
Macoma moesta	3	0.3038
Mya pseudoarenaria (shell)	X	-
Nucula belloti	1	0.0334
Yoldia h. hyperborea	1	0.2117
TOTAL	33	5.5015

Table 112. Particle-size distribution (Wentworth Scale) and pH of sediments collected by grab in the Beaufort Sea, 1973-1975.

Station	Water Depth (m)	Sand % (.063-2.0 mm)	Silt (.004-.063 mm)	Clay (< .004 mm)	pH 0.01M $CaCl_2$
73-526	8	5	20	75	6.7
73-527	5	2	42	56	6.9
73-528	7	96	3	1	6.8
73-529	12	10	44	46	7.0
73-530	9	96	2	2	6.9
73-531	15	14	38	48	7.1
73-532	36	10	39	51	7.0
73-533	42	5	43	52	6.7
73-534	7	1	40	59	7.0
73-535	6	5	35	60	6.9
73-536	9	3	47	50	7.0
73-537	9	5	34	61	7.1
73-538	5	4	40	56	6.8
73-539	3	4	60	36	6.6
73-540	4	4	49	47	6.9
73-541	34	2	22	76	7.1
73-542	94	5	29	66	7.0
74-544	41	59	9	32	7.7
74-545	37	9	19	72	7.5
74-546	21	5	32	63	7.9
74-547	56	6	19	75	7.6
74-548	44	6	21	73	7.8
74-549	24	5	18	77	7.8
74-550	58	6	13	81	7.8
74-551	42	8	14	78	7.6
74-552	40	9	15	76	7.9
74-553	215	9	17	74	7.6
74-554	106	14	25	61	7.8
74-555	34	6	25	69	7.9
74-556	54	9	33	58	7.9
74-557	125	19	27	54	7.9
74-558	23	4	32	64	7.9
74-559	32	3	24	73	7.9
75-565	31	24	19	57	7.9
75-566	318	5	49	46	8.0
75-568	408	3	34	63	7.9
75-569	441	3	16	81	7.7
75-570	55	6	13	81	7.7
75-571	37	3	13	84	8.0
75-572	65	13	17	70	7.7
75-573	70	38	20	42	8.0
75-574	32	30	17	53	7.9
75-575	10	7	27	66	8.1

Table 112. (cont'd.)

Station	Water Depth (m)	Sand % (.063-2.0 mm)	Silt % (.004-.063 mm)	Clay (<.004 mm)	pH 0.01M $CaCl_2$
75-604	4	65	10	25	8.3
75-605	15	27	11	62	8.0
75-606	15	43	7	50	7.9
75-607	26	8	20	72	8.1
75-608	4	28	14	58	8.0
75-609	11	21	18	61	8.1
75-610	18	37	11	52	8.1
75-611	3	45	19	37	8.3
75-612	7	11	29	60	8.2
75-613	4	27	39	34	8.3
75-005	2	9	23	68	7.8
75-006	3	10	22	68	7.1
75-007	2	56	20	24	7.6
75-008	2	10	20	70	7.7
75-009	2	13	23	64	7.8
75-012	5	34	15	51	7.9
75-013	7	38	12	50	7.9
75-014	5	3	37	60	7.8
75-015	5	24	28	48	7.8
75-016	4	4	24	72	7.6
75-017	4	25	36	39	7.8
75-018	4	6	30	64	7.7
75-019	2	97	1	2	7.6
75-020	3	21	33	46	7.3
75-023	4	63	12	25	7.6
75-025	3	28	49	23	7.6
75-026	3	96	2	2	7.3
75-028	4	20	24	56	7.5
75-029	2	97	1	2	7.6
75-030	5	53	33	14	7.4
75-031	7	26	21	53	7.7
75-032	7	94	3	3	7.9
75-033	5	27	45	28	7.8
75-034	8	84	5	11	8.0

Table 113. Levels of nitrate, ammonia, and total nitrogen, organic carbon, and carbon-nitrogen ratio of sediments collected by grab from stations in the Beaufort Sea, 1973-1975.

Station	NO_3-N (ug/g)	NH_4-N (ug/g)	Total N (mg/g)	Organic C (%)	C/N Ratio
73-526	1.74	19.48	1.58	2.78	17.6
73-527	0.82	10.85	0.89	1.57	17.6
73-528	1.73	3.30	0.18	0.46	25.8
73-529	1.39	10.77	0.85	1.22	14.3
73-530	1.38	2.82	0.12	0.46	38.7
73-531	1.66	8.28	1.17	1.45	12.4
73-532	1.22	13.93	1.29	1.80	13.9
73-533	1.44	41.98	1.49	1.86	12.5
73-534	1.42	10.67	1.23	1.51	12.3
73-535	1.23	7.16	1.36	2.09	15.4
73-536	1.53	12.17	1.14	1.68	14.8
73-537	1.13	14.89	1.09	1.62	14.9
73-538	0.65	11.94	1.10	1.33	12.1
73-539	0.39	12.91	1.18	1.80	15.2
73-540	0.38	13.41	1.40	2.09	14.9
73-541	0.44	12.40	1.53	1.62	10.6
73-542	0.32	23.79	1.22	1.39	11.4
74-544	0.60	25.60	0.73	0.81	11.1
74-545	1.04	22.20	1.79	1.45	8.1
74-546	0.78	4.76	1.30	1.39	10.7
74-547	1.09	7.67	1.72	1.39	8.1
74-548	0.98	8.00	1.59	0.87	5.5
74-549	0.63	4.07	1.46	1.39	9.5
74-550	0.98	6.54	1.73	1.45	8.4
74-551	0.79	2.64	1.59	1.45	9.1
74-552	0.73	4.88	1.60	1.28	8.0
74-553	1.00	7.35	1.72	1.33	7.8
74-554	0.65	2.34	0.99	0.70	7.0
74-555	0.63	4.48	1.21	1.33	11.0
74-556	0.75	6.40	1.32	1.22	9.2
74-557	0.68	7.56	1.24	1.28	10.3
74-558	0.71	3.05	1.17	1.39	11.9
74-559	0.58	6.74	1.28	1.22	9.5

Table 113. (cont'd.)

Station	NO_3-N (ug/g)	NH_4-N (ug/g)	Total N (mg/g)	Organic C (%)	C/N Ratio
75-565	1.31	9.83	0.95	1.23	12.9
75-566	0.91	15.49	1.31	0.85	6.5
75-568	0.87	16.50	1.43	1.70	11.9
75-569	0.74	16.22	1.05	1.61	15.3
75-570	1.66	19.08	1.40	1.61	13.3
75-571	0.55	5.56	1.04	1.51	14.5
75-572	0.70	9.76	1.45	1.70	11.7
75-573	0.55	8.77	0.82	1.23	15.0
75-574	1.07	8.59	0.90	1.23	13.7
75-575	0.60	7.25	1.06	1.13	10.7
75-604	1.97	8.39	0.60	0.57	9.5
75-607	1.13	12.10	1.19	1.61	13.5
75-612	0.60	12.03	0.97	1.61	16.6
75-613	0.62	6.86	0.93	1.42	15.3

Table 114. Levels of potassium, calcium, magnesium, and phosphorus in sediments collected by grab from stations in the southern Beaufort Sea, 1973-1975.

Station	Ammonium Acetate Extractable			Extractable	Total
	K (ug/g)	Ca (ug/g)	Mg (ug/g)	P (ug/g)	P (mg/g)
73-526	750	3400	1000	200	1.16
73-527	250	3800	600	20	0.75
73-528	60	1400	130	30	0.29
73-529	640	4500	700	20	0.79
73-530	120	1500	140	30	0.55
73-531	720	5200	800	130	0.86
73-532	1100	4100	1480	200	0.86
73-533	960	4500	1260	280	1.03
73-534	350	5000	590	30	0.76
73-535	290	5200	620	40	0.71
73-536	330	2850	550	20	0.66
73-537	440	3300	720	30	0.83
73-538	320	2400	540	20	0.74
73-539	160	2800	480	20	0.69
73-540	230	2300	540	40	0.72
73-541	870	4800	1020	80	1.12
73-542	870	4000	870	60	0.91
74-544	800	550	650	160	0.58
74-545	1220	1400	1220	290	1.28
74-546	830	4450	980	40	0.82
74-547	1300	2400	1620	280	1.12
74-548	900	4200	980	240	1.18
74-549	750	4300	970	90	0.94
74-550	1260	4500	1580	250	0.95
74-551	830	1600	1100	290	1.04
74-552	1060	4800	1100	180	1.05
74-553	1020	2100	1140	300	1.86
74-554	870	800	970	190	0.81
74-555	870	4000	970	60	0.72
74-556	720	5050	680	90	0.94
74-557	840	3500	960	130	1.02
74-558	780	4700	910	50	0.82
74-559	840	4100	890	50	0.86

Table 114. (cont'd.)

Station	Ammonium Acetate Extractable			Extractable	Total
	K (ug/g)	Ca (ug/g)	Mg (ug/g)	P (ug/g)	P (mg/g)
75-565	900	1200	1080	230	-
75-566	840	1140	1040	185	-
75-568	930	1200	1020	215	-
75-569	960	1380	1260	235	-
75-570	1440	1080	1140	255	-
75-571	1020	2040	1020	170	-
75-572	1350	1020	1020	225	-
75-573	1050	840	960	195	-
75-574	780	1320	720	225	-
75-575	720	2640	660	75	-
75-604	210	1020	420	95	-
75-607	570	2700	540	20	-
75-612	390	3000	480	15	-
75-613	180	3000	540	12	-

Table 115. Levels of iron, manganese, zinc, copper, and silicon in sediments collected by grab from stations in the southern Beaufort Sea, 1973-1975.

Station	HCl Extractable Fe (ug/g)	HCl Extractable Mn (ug/g)	HCl Extractable Zn (ug/g)	EDTA Extractable Cu (ug/g)	Extractable Si (ug/g)
73-526	10000	400	48	15.0	10.56
73-527	4600	330	36	8.0	6.36
73-528	750	170	8	1.0	4.67
73-529	4600	255	32	6.0	6.92
73-530	1000	115	10	0.9	4.58
73-531	5100	262	40	8.0	2.71
73-532	5200	160	37	6.0	8.41
73-533	5700	240	35	7.0	7.20
73-534	4700	300	38	7.0	3.65
73-535	5800	320	45	10.0	5.89
73-536	4700	275	37	10.0	3.88
73-537	4400	385	37	9.0	5.70
73-538	5400	310	40	9.0	3.55
73-539	5400	310	39	10.0	10.28
73-540	5200	300	35	11.0	8.41
73-541	5100	285	44	11.0	7.11
73-542	7500	280	39	9.5	12.81
74-544	9200	192	75	19.0	15.00
74-545	7400	144	57	11.5	18.37
74-546	5900	220	54	16.0	2.71
74-547	5700	146	64	14.5	3.09
74-548	6300	200	64	15.0	7.85
74-549	6000	240	61	15.0	3.37
74-550	5300	132	69	17.0	4.58
74-551	6700	126	72	18.5	6.36
74-552	6250	198	52	13.5	3.09
74-553	9900	276	52	15.5	5.80
74-554	5100	72	36	5.5	18.88
74-555	10300	258	72	27.5	2.80
74-556	8100	274	55	16.0	10.10
74-557	7000	206	50	14.5	12.90
74-558	6350	250	53	11.5	2.43
74-559	6100	224	54	11.0	11.69

Table 115. (cont'd.)

Station	HCl Extractable Fe (ug/g)	Mn (ug/g)	Zn (ug/g)	EDTA Extractable Cu (ug/g)	Extractable Si (ug/g)
75-565	5800	130	50	42.0	8.9
75-566	13000	1350	47	60.0	18.2
75-568	16600	2000	53	29.0	18.2
75-569	14500	4100	105	36.0	20.8
75-570	5500	290	105	10.0	19.1
75-571	7200	290	65	13.0	12.6
75-572	4400	80	50	8.5	18.8
75-573	3000	95	50	6.0	15.4
75-574	5300	145	50	8.0	9.5
75-575	7800	180	50	14.0	8.3
75-604	8200	1750	47	6.5	12.4
75-607	6000	250	47	13.5	9.8
75-612	11000	480	60	17.0	6.6
75-613	4400	340	45	11.0	8.3