

Benthic Invertebrates Collected From Ungava Bay, Canada, 1947-1951

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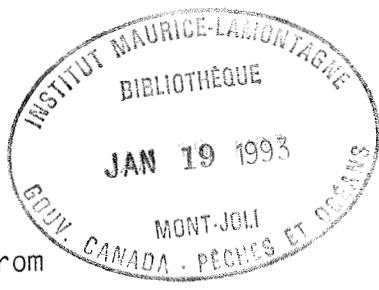
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ABSTRACT

Wacasey, J.W. and E.G. Atkinson. 1987. Benthic invertebrates collected from Ungava Bay, Canada, 1947-1951. Can. Tech. Rep. Fish. Aquat. Sci. 1537: v + 68 p.

The Eastern Arctic Investigations of the Fisheries Research Board of Canada made extensive collections of marine invertebrates in Ungava Bay, between 1947 and 1951. Benthic invertebrates are tabulated for 77 of the 153 stations that were occupied. The tabulations were derived from published reports of major taxa and from identification of specimens of minor taxa and previously unsorted collections.

The 411 identified species are mostly macrobenthos (> 1 mm). This extensive survey provides information about the distribution and abundance of species and reveals that the bottom communities are diverse, usually having over 100 species. The taxa with the largest number of species are Polychaeta, Amphipoda, Ascidiacea, Hydrozoa, Ectoprocta, Gastropoda and Pelecypoda. Collections came from depths ranging from the shoreline to 225 m, but only a few were from more than 100 m. Twenty-five intertidal stations have a characteristic fauna that is low in diversity.

Ungava Bay, located in an area of well mixed waters, has a diverse benthic fauna with many widespread species and may be one of the more productive areas of northern Canada.

Key words: Benthos, benthic environment, marine invertebrates, distribution, Arctic Canada, Ungava Bay

RESUME

Wacasey, J.W. and E.G. Atkinson. 1987. Benthic invertebrates collected from Ungava Bay, Canada, 1947-1951. Can. Tech. Rep. Fish. Aquat. Sci. 1537: v + 68 p.

Au cours de la campagne d'échantillonnage "Eastern Arctic Investigations", des échantillons benthiques ont été prélevés à 77 des 153 stations visitées dans la baie d'Ungava entre 1947 et 1951. A l'aide de rapports publiés, et après l'identification des taxons de moindre importance et du contenu des échantillons égarés, nous avons dressé la liste des invertébrés benthiques de la baie d'Ungava.

Pour l'ensemble des stations, 411 espèces surtout macrobenthiques (>1 mm) ont été identifiées. Nous avons pu préciser la distribution et l'importance numérique de ces espèces et, lorsque l'échantillonnage était adéquat, montrer que les communautés benthiques étaient diversifiées, puisqu'elles comptaient plus de 100 espèces. Les Polychètes, Amphipodes, Ascidiés, Hydrozoaires, Ectoproctes, Gastéropodes et Pélécypodes étaient représentés par le plus grand nombre d'espèces.

La profondeur aux stations échantillonnées variait entre 0 et 255 m, mais les stations avec plus de 100 m d'eau étaient peu nombreuses. Vingt-cinq stations littorales possédaient une faune peu diversifiée mais très caractéristique.

La baie d'Ungava, située dans une région avec des eaux bien mélangées, possède une faune benthique comprenant plusieurs espèces à distribution étendue, et est potentiellement l'une des régions les plus productives du nord du Canada.

INTRODUCTION

This report contains lists of benthic invertebrates collected from Ungava Bay, N.W.T. from 1947 through 1951. The collections were made by the Eastern Arctic Investigations of the Fisheries Research Board of Canada under the direction of M.J. Dunbar. In 1955 the Eastern Arctic Investigations became the Arctic Biological Unit of the Fisheries Research Board and still later the present Arctic Biological Station of the Department of Fisheries and Oceans.

The purpose of the Investigations was to systematically survey largely unknown areas in the eastern Canadian Arctic to assess the abundance and distribution of marine organisms (Dunbar 1952, 1956). Local vessels were used in 1947 and 1948 and the newly constructed 16 m diesel ketch Calanus (Dunbar 1949) was used in subsequent years to occupy a total of 153 stations located, for the most part, around the periphery of the bay. The sampling season extended from late June to early September, and various types of collecting gear were employed to obtain oceanographic data and to sample phytoplankton, zooplankton, zoobenthos, fish and marine mammals.

METHODS

Limited time and manpower prevented equal consideration being given to all animal groups in such a multifaceted sampling program. Consequently, few quantitative benthic samples were taken. Intertidal collections were made by hand and with dip nets. From boats, collections were made by dredge, trawl, grab, hand line, plankton net and dip net. The plankton net accidentally touched bottom on occasion,

resulting in a mix of planktonic and benthic invertebrates. Planktonic species may thus be listed at some stations, but for the most part these have been excluded. Processing was also inconsistent, with larger specimens being selected and no special effort made to retain meiofauna or microfauna. Consequently, many small species were missed. Specimens were preserved in formalin, later sorted, and kept in storage until specialists could make identifications. Major phyla were dealt with sporadically over many years, resulting in published accounts of the major taxa as listed below:

- Grainger 1954b.....ANNELIDA:Polychaeta
Dunbar 1954.....ARTHROPODA:Amphipoda
Bousfield 1955.....ARTHROPODA:Cirripedia
Corey 1981.....ARTHROPODA:Cumacea
Squires 1957.....ARTHROPODA:Decapoda
Hedgpeth 1963.....ARTHROPODA:Pycnogonida
Trason 1964.....CHORDATA:Asciidiacea
Calder 1970, 1972.....COELENTERATA:Hydrozoa
Grainger 1955, 1966.....ECHINODERMATA:Asteroidea
Grainger 1955.....ECHINODERMATA:Crinoidea,
Echinoidea, Holothuroidea,
Ophiuroidea
Powell 1968.....ECTOPROCTA
Macpherson 1971.....MOLLUSCA:Amphineura,
Gastropoda
Lubinsky 1980.....MOLLUSCA:Pelecypoda

Identifications of species not covered in these publications were made by the following:

Gary Atkinson.....ARTHROPODA: Isopoda
J.W. Wacasey.....BRACIOPODA-PRIAPULIDA
Karin Rieman-Zerneck.....COELENTERATA: Anthozoa
J.E. Lovrity.....PORIFERA
J.W. Wacasey and Peter Frank.....SIPUNCULA

The nemerteans are included in the lists but have not been identified to species. A few specimens that had been misplaced and subsequently found were identified by J.W. Wacasey, Gary Atkinson and A.A. Mohammed.

Most specimens considered in earlier publications are deposited in the National Museum of Natural History in Ottawa, Ontario. A few are deposited in the Redpath Museum of McGill University in Montreal, Québec. Specimens identified since the completion of the published accounts represent only a small portion of the original collection and are located at the Arctic Biological Station at Ste-Anne-de-Bellevue, Québec. The disposition of individual specimens is not known.

The names of some species have been changed to conform to the more recent literature, but the former name is given in parentheses. Most changes involve only the genus, but species and subspecies names are sometimes involved. Names presently recognized as varieties or forms are also indicated within parentheses; this occurs most frequently in the Pelecypoda. Species are listed alphabetically by phylum, category (includes class to suborder), genus and species. Results from recent determinations together with information taken from the published

accounts are combined in a single species list for each station. The collation is not only useful for demonstrating the faunal diversity of benthic communities in Ungava Bay but also serves as a record of the geographical distribution of the species.

RESULTS AND DISCUSSION

Ungava Bay, with a calculated area of 60,000 m², extends southward from the eastern end of Hudson Strait. It is located near the confluence of the Labrador current with outflowing Hudson Strait and inflowing North Atlantic water. These conditions result in nutrient laden waters with concurrent high primary production. The proximity of Ungava Bay to this confluence together with the high tidal amplitudes within the bay make for a well mixed body of water that supports a diverse and productive fauna. Tidal amplitudes may reach 14.8 m, but means range from 4.6 to 9.3 m (Canadian Hydrographic Service, 1986). Depths are less than 200 m except for a deep trough extending from Hudson Strait into the northeast sector of the bay. The bottom communities are thus composed primarily of shelf fauna. Station 103 was the only station with a depth over 200 m. Temperatures at the deeper stations were usually negative and salinities ranged from 28.54 to 32.84‰ (Table 2).

Coordinates and associated data for the 77 stations are listed in Tables 1 and 2 respectively. These consist of collection date and station depths. Time of collection, temperature and salinity near the bottom are included where available.

Lists of benthic invertebrates are presented for 77 (Tables 4-79) of the 153 stations (Dunbar and Grainger 1952, Grainger 1954a) occupied within Ungava Bay below a line extending from Cape Hopes Advance in the west to Killinek Island in the east. A compilation of species from all stations (Table 3) resulted in 411 species, distributed among 24 taxa. These are presented in the same alphabetical order as the list of species for each station. Few organisms under 1 mm in size were collected explaining why there are few or no representatives of some taxa such as protozoans, ostracods, tanaidaceans, nematodes and benthic copepods. For the same reason, some small polychaetes, amphipods, cumaceans and isopods were also overlooked. Quantitative sampling in other eastern arctic localities (Wacasey et al. 1979, 1980) has shown polychaetes and amphipods to be the dominant groups, each with over one hundred species.

The station lists of benthic invertebrates do not reflect the full complement of species of the community because of the inconsistent treatment of collections. A few stations (33, 102, 103, 107, 126, 201c, 203, 231) were sampled more intensively than others, and these, each with over one hundred species, give a more comprehensive picture of the community composition.

Comparison of species lists demonstrates that many species are widely distributed. One third or 25 of the stations were intertidal stations and species were less numerous possibly because of the long ice-covered period. The intertidal fauna includes characteristic species which prefer the shallow water habitat such as the barnacle Balanus balanoides; amphipods Gammarus setosus, G. oceanicus, and

Onisimus litoralis; the gastropod Littorina saxatilis; and bivalves Mytilus edulis and Macoma balthica. Other species that may occur in the intertidal zone as well as in deeper water are the anemone Tealia felina, the polychaete Harmothoe imbricata and the bivalves Crenella faba and Mya truncata. During the open water season, motile species, such as amphipods, shrimp and the crab Hyas coarctatus, may be found in shallow subtidal areas.

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We thank the many workers involved in collecting, sorting and curating the collections. Recognition is particularly extended to a number of individuals who assisted in processing samples and in collecting supplementary information. A.A. Mohammed and J.E. Lovrity helped with the maintenance of the collections and the identification of some specimens. L. Glasspoole and D.M. Moore also helped with the maintenance and sorting of various taxa. R. Clarke assisted in the tedious task of compiling the lists of species and in checking entries for accuracy and completeness. E.H. Grainger provided some collection data and was helpful in resolving occasional inconsistencies relating to station numbers, locations, and dates of occupation.

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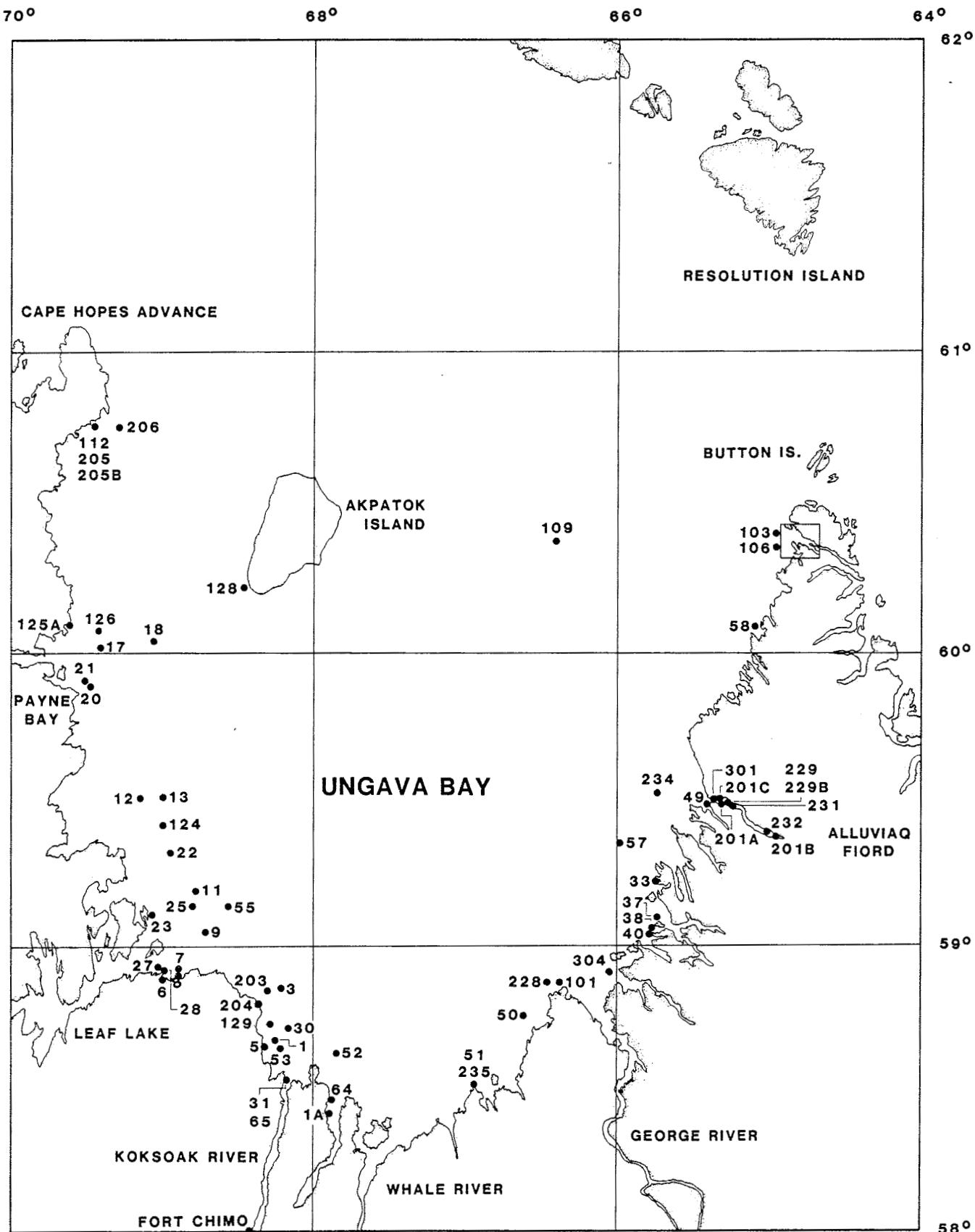


Fig. 1. Locations of benthic stations sampled in Ungava Bay, 1947-1951.

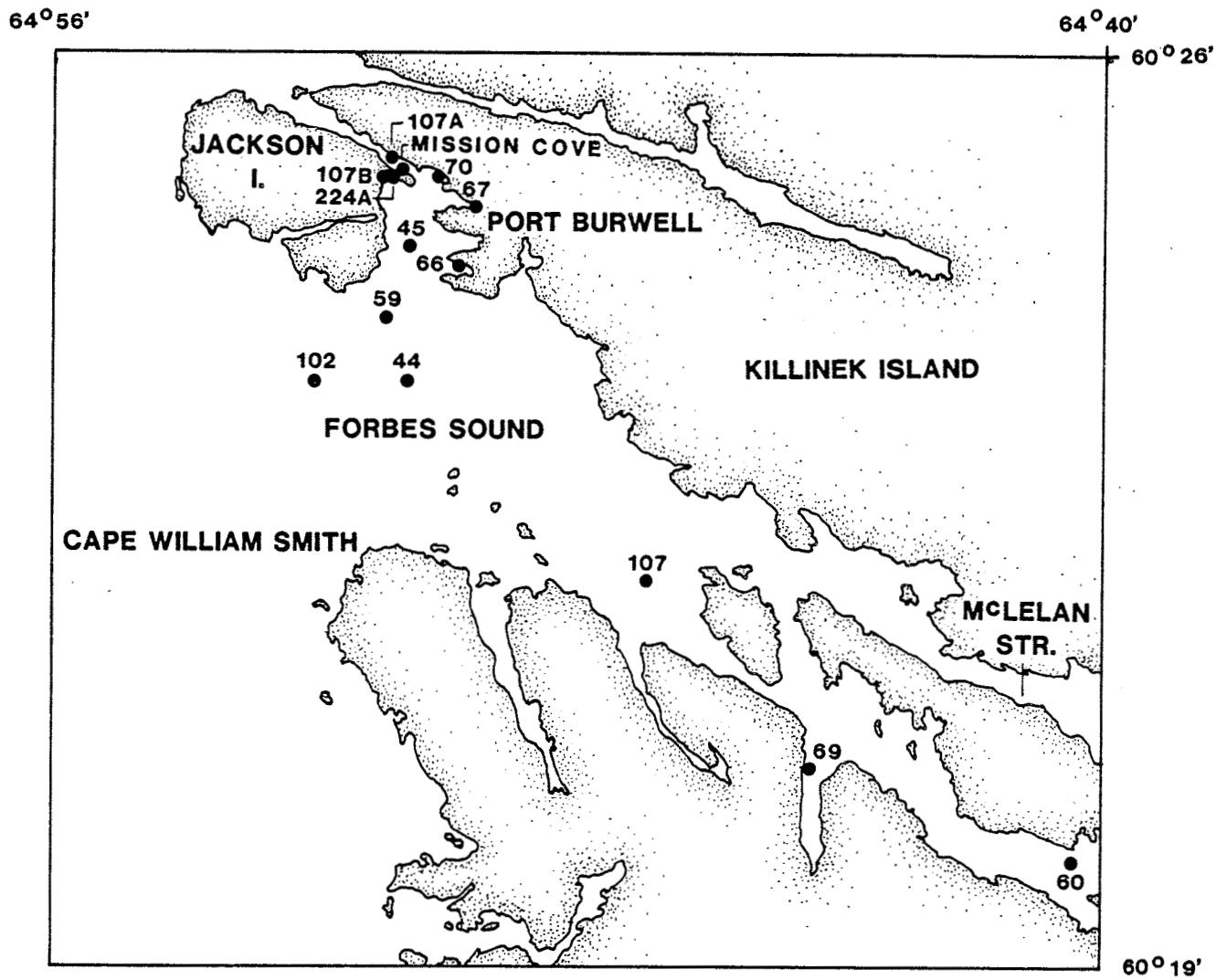


Fig. 2. Locations of benthic stations sampled in the Forbes Sound area (rectangle of Fig. 1).

Table 1. Coordinates of Ungava Bay stations that were sampled from 1947 to 1951.

Station	North Latitude	West Longitude	Station	North Latitude	West Longitude
<u>1947</u>			<u>1949</u>		
1	58°39'	68°15'	101	58°52'	66°23'
1A	58°24.5'	67°58'	102	60°23.5'	64°52'
3	58°50'	68°13'	103	60°24'	64°58'
5	58°39'	68°20'	106	60°21'	64°58'
6	58°52'	68°58'	107	60°22'	64°47'
7	58°55'	68°53'	107A	60°25.2'	64°50.8'
8	58°52'	68°54'	Mission Cove	60°25.1'	64°50.8'
9	59°02'	68°43'	107B	60°25.1'	64°50.9'
11	59°11'	68°47'	109	60°23'	66°25'
12	59°30'	69°10'	112	60°46'	69°27'
13	59°30'	69°00'	124	59°25'	69°00'
17	60°01'	69°25'	125A	60°03'	69°37'
18	60°02'	69°03'	126	60°04'	69°26'
20	59°53'	69°29'	128	60°14'	68°26'
21	59°54'	69°31'	129	58°43.3'	68°17'
22	59°18'	68°57'			
23	59°05'	69°04'	<u>1950</u>		
25	59°08'	68°48'			
27	58°55.5'	69°01'	201A	59°29'	65°18.5'
28	58°54.5'	68°59'	201B	59°22'	64°58'
30	58°42.5'	68°10'	201C	59°29.5'	65°20.5'
31	58°31.5'	68°12'	203	58°50'	68°18'
33	59°13'	65°45'	204	58°47'	68°23'
37	59°05.5'	65°45'	205	60°46'	69°27'
38	59°03'	65°47'	205B	60°46'	69°27'
40	59°02'	65°48'	206	60°45'	69°17'
44	60°23.5'	64°50.5'	224A	60°25.1'	64°50.8'
45	60°24.5'	64°50.5'	228	58°52'	66°28'
49	59°29'	65°26'	229	59°29'	65°17.5'
50	58°45'	66°37'	229B	59°29'	65°17.5'
51	58°29.5'	66°55'	231	59°28.5'	65°15'
52	58°37'	67°51'	232	59°23'	65°01'
			234	59°31'	65°45'
<u>1948</u>			235	58°29.5'	66°55'
53	58°38'	68°13'	<u>1951</u>		
55	59°08'	68°34'			
57	59°21'	66°00'	301	59°29.5'	65°20'
58	60°05'	65°06'	304	58°54'	66°03'
59	60°24'	64°51'			
60	60°19.8'	64°40.5'			
64	58°27.5'	67°56'			
65	58°31.5'	68°12'			
66	60°24.4'	64°50'			
67	60°24.8'	64°49.6'			
69	60°20.5'	64°44.5'			
70	60°25.1'	64°50.2'			

Table 2. Associated data for stations sampled in Ungava Bay from 1947 to 1951.

Station	Date	Time (AST)	Time (GMT)	Water Depth (m)	Temp. (°C)	Sal. (°/‰)
1	24 Jun 47			18		
1A	24 Jun 47	0600	1000	shore		
3	29 Jun 47			29		
5	29 Jun 47			shore		
6	3 Jul 47			shore		
7	3 Jul 47			10		
8	5 Jul 47			shore		
9	11 Jul 47			24		
11	12 Jul 47			46		
12	12 Jul 47			shore		
13	13 Jul 47			55		
17	17 Jul 47			62		
18	17 Jul 47			84		
20, 21	18 Jul 47			64		
22	18 Jul 47			11		
23	19 Jul 47			shore		
25	19 Jul 47			35		
27	19 Jul 47			48		
28	19 Jul 47			27		
30	20 Jul 47			36		
31	5 Aug 47			2		
33	8 Aug 47			27		
	10 Aug 47			27		
37	11 Aug 47			4		
38	11 Aug 47			-		
40	16 Aug 47			shore		
44	19 Aug 47			80		
45	23 Aug 47			36		
49	25 Aug 47			shore		
50	28 Aug 47			-		
51	29 Aug 47			6		
52	39 Aug 47			17		
53	10 Jul 48			9		
55	Jul 48			85		
57	27 Jul 48			96		
58	28 Jul 48			20		
59	31 Jul 48			15		
60	2 Aug 48			36		
64	4 Jul 48			shore		
65	4 Jul 48			shore		
66	7 Aug 48			shore		
67	8 Aug 48			shore		
69	16 Aug 48			shore		
70	17 Aug 48			shore		

Table 2. Continued.

Station	Date	Time (AST)	Time (GMT)	Water Depth (m)	Temp. (°C)	Sal. (°/‰)
101	26 Jun 49			18		
102	30 Jun 49		1315	1715	128	
103	6 Jul 49		1255	1655	146	
	6 Jul 49				255	-0.90 32.32
	7 Aug 49		1310	1710	128	
106	7 Jul 49		1215	1615	109	
107	7 Jul 49		1345	1745	73	
107A	9 Jul 49				shore	
Mission Cove	10 Jul 49				shore	
107B	11 Jul 49				shore	
109	16 Jul 49				110	-0.97 32.47
112	18 Jul 49				shore	
124	20 Aug 49				14	
125A	23 Aug 49				13	
126	23 Aug 49	1230	1630	73	2.07	31.87
128	24 Aug 49				185	-0.79 32.84
129	25 Aug 49				-	
201A	27 Jun 50				shore	
201B	28 Jun 50				shore	
201C	29 Jun 50	1330	1730	80		
203	8 Jul 50	1515	1915	30		
204	9 Jul 50				shore	
205	16 Jul 50				shore	
205B	16 Jul 50				18	
206	15 Jul 50	1325	1725	91		
224A	18 Aug 50				shore	
228	25 Aug 50				14	
229	26 Aug 50				13	
229B	28 Aug 50				shore	
231	27 Aug 50				91	
232	27 Aug 50				10	
234	31 Aug 50	1100	1500	91	1.24	31.55
235	1 Sep 50				shore	
301	3 Jul 51			110	0.55	28.54
304	23 Jul 51			42		

Table 3. Species of benthic invertebrates collected from stations located in Ungava Bay, 1947-1951.

Species	No.	Species	No.
ANELLIDA: Polychaeta			
<i>Ammotrypane aulogaster</i>	57	<i>Sabella crassicornis</i>	
<i>Ampharete acutifrons</i>		<i>Sabellides octocirrata</i>	
<i>Amphicteis sundevalli</i>		<i>Scalibregma inflatum</i>	
<i>Amphitrite cirrata</i>		<i>Scololos armiger</i>	
<i>Amphitrite groenlandica</i>		<i>Sphaerodorum gracile</i>	
<i>Arenicola marina</i>		<i>Spio filicornis</i>	
<i>Asabellides sibirica</i>		<i>Syllis cornuta</i>	
<i>Autolytus alexandri</i>		<i>Terebellides stroemi</i>	
<i>Autolytus prismaticus</i>		<i>Thelepus cincinnatus</i>	
<i>Autolytus prolifer</i>		<i>Tomopteris planktonis</i>	
<i>Axiothella catenata</i>		<i>Travisia forbesi</i>	
<i>Capitella capitata</i>		ARTHROPODA: Amphipoda	98
<i>Chaetozone setosa</i>		<i>Acanthonotozoma inflatum</i>	
<i>Chone infundibuliformis</i>		<i>Acanthonotozoma serratum</i>	
<i>Eteone longa</i>		<i>Aceroides l. latipes</i>	
<i>Euchone analis</i>		<i>Aeginina longicornis</i>	
<i>Eulalia bilineata</i>		<i>Ampelisca eschrichti</i>	
<i>Eusyllis blomstrandii</i>		<i>Ampelisca macrocephala</i>	
<i>Flabelligera affinis</i>		<i>Amphithopsis longicaudata</i>	
<i>Gattyana cirrosa</i>		<i>Anonyx lilljeborgi</i>	
<i>Glycera capitata</i>		<i>Anonyx nugax</i>	
<i>Harmothoe extenuata</i>		<i>Apherusa glacialis</i>	
<i>Harmothoe imbricata</i>		<i>Apherusa megalops</i>	
<i>Harmothoe nodosa</i>		<i>Apherusa mixtus</i>	
<i>Harmothoe oerstedi</i>		<i>Arctopleustes glabricauda</i>	
<i>Lanassa venusta</i>		<i>Arrhis phyllonyx</i>	
<i>Laphania boeckii</i>		<i>Atylus carinatus</i>	
<i>Lumbrineris fragilis</i>		<i>Bathymedon obtusifrons</i>	
<i>Lysilla loveni</i>		<i>Boeckosimus affinis</i>	
<i>Lysippe labiata</i>		<i>Boeckosimus edwardsi</i>	
<i>Maldane sarsi</i>		<i>Boeckosimus plautus</i>	
<i>Melinna cristata</i>		<i>Byblis gaimardi</i>	
<i>Nephtys ciliata</i>		<i>Calliopius laeviusculus</i>	
<i>Nephtys longosetosa</i>		<i>Caprella septentrionalis</i>	
<i>Nereis pelagica</i>		<i>Dulichia spinosissima</i>	
<i>Nicolea zostericola</i>		<i>Dulichia tuberculata</i>	
<i>Onuphis conchylega</i>		<i>Dyopedos porrectus</i>	
<i>Owenia fusiformis</i>		<i>Erichthionius tolli</i>	
<i>Pectinaria granulata</i>		<i>Eurysteus melanops</i>	
<i>Pectinaria hyperborea</i>		<i>Eusirus cuspidatus</i>	
<i>Pherusa plumosa</i>		<i>Gammarellus homari</i>	
<i>Pholoe minuta</i>		<i>Gammaurus oceanicus</i>	
<i>Phyllodoce groenlandica</i>		<i>Gammaurus setosus</i>	
<i>Pista flexuosa</i>		<i>Gammarus wilkitzkii</i>	
<i>Pista maculata</i>		<i>Gitanopsis arctica</i>	
<i>Polyphysia crassa</i>		<i>Goesia depressa</i>	
		<i>Guernea nordenskioldi</i>	

Table 3. Continued.

Species	Species	No.
ARTHROPODA:Amphipoda		
<u>Halirages fulvocinctus</u>	<u>Protomedieia fasciata</u>	
<u>Haploops setosa</u>	<u>Protomedieia grandimana</u>	
<u>Haploops tubicola</u>	<u>Rhachotropis aculeata</u>	
<u>Ischyrocerus anguipes</u>	<u>Rhachotropis inflata</u>	
<u>Ischyrocerus commensalis</u>	<u>Rhachotropis oculata</u>	
<u>Ischyrocerus latipes</u>	<u>Siphonoecetes typicus</u>	
<u>Ischyrocerus megacheir</u>	<u>Socarnes bidenticulatus</u>	
<u>Ischyrocerus nanoides</u>	<u>Socarnes vahli</u>	
<u>Melita dentata</u>	<u>Stegocephalopsis ampulla</u>	
<u>Mesometopa neglecta</u>	<u>Stegocephalus inflatus</u>	
<u>Metopa alderi</u>	<u>Stenopleustes olriki</u>	
<u>Metopa glacialis</u>	<u>Syrrhoe crenulata</u>	
<u>Metopa hearni</u>	<u>Tryphosella orchomenoides</u>	
<u>Metopa Tongicornis</u>	<u>Westwoodilla brevicalcar</u>	
<u>Metopa Tongirama</u>	<u>Westwoodilla megalops</u>	
<u>Metopa norvegica</u>	<u>Weyprechtia pinguis</u>	
<u>Metopella carinata</u>	ARTHROPODA:Cirripedia	2
<u>Metopella longimana</u>	<u>Balanus balanoides</u>	
<u>Metopella nasuta</u>	<u>Balanus balanus</u>	
<u>Monoculodes edwardsi</u>	ARTHROPODA:Cumacea	4
<u>Monoculodes intermedius</u>	<u>Diastylis rathkei</u>	
<u>Monoculodes Tatimanus</u>	<u>Diastylis scorpioides</u>	
<u>Monoculodes longirostris</u>	<u>Lamprops fuscata</u>	
<u>Monoculodes tuberculatus</u>	<u>Leucon nasicoides</u>	
<u>Neopleustes boecki</u>	ARTHROPODA:Decapoda	13
<u>Neopleustes pulchellus</u>	<u>Argis dentata</u>	
<u>Odius carinatus</u>	<u>Eualus fabricii</u>	
<u>Oediceros saginatus</u>	<u>Eualus gaimardi</u>	
<u>Onisimus glacialis</u>	<u>Eualus gaimardi belcheri</u>	
<u>Onisimus litoralis</u>	<u>Eualus macilentus</u>	
<u>Onisimus nanseni</u>	<u>Hyas coarctatus</u>	
<u>Orchomene macroserrata</u>	<u>Lebbeus groenlandicus</u>	
<u>Orchomene minuta</u>	<u>Lebbeus polaris</u>	
<u>Orchomene pinguis</u>	<u>Pagurus pubescens</u>	
<u>Paramphithoe hystrix</u>	<u>Pandalus montagui</u>	
<u>Parapleustes assimilis</u>	<u>Sabinea septemcarinata</u>	
<u>Parapleustes sinuipalma</u>	<u>Sclerocrangon boreas</u>	
<u>Pardalisca cuspidata</u>	<u>Spirontocaris phippsi</u>	
<u>Paroediceros lynceus</u>	<u>Spirontocaris spinus</u>	
<u>Paronesimus barentsi</u>	ARTHROPODA:Isopoda	4
<u>Photis tenuicornis</u>	<u>Arcturus baffini</u>	
<u>Pleustes medius</u>	<u>Janira tricornis</u>	
<u>Pleustes panoplus</u>	<u>Mesidotea sabini</u>	
<u>Pleusymtes buttoni</u>	<u>Munna kroyeri</u>	
<u>Pleusymtes glabroides</u>		
<u>Pontogeneia inermis</u>		
<u>Pontoporeia affinis</u>		

Table 3. Continued.

Species	No.	Species	No.
ARTHROPODA:Pycnogonida <u>Eurycyde hispida</u> <u>Nymphon brevitarse</u> <u>Nymphon grossipes</u> <u>Pseudopallene circularis</u> <u>Pseudopallene spinipes</u>	5	<u>Campanularia speciosa</u> <u>Campanularia verticillata</u> <u>Campanularia volubilis</u> <u>Coryne pusilla</u> <u>Eudendrium arbusculum</u> <u>Eudendrium capillare</u> <u>Eudendrium rameum</u> <u>Eudendrium tenellum</u> <u>Filellum serpens</u> <u>Gonothyraea loveni</u> <u>Halecium curvicaule</u> <u>Halecium Tabrosum</u> <u>Halecium muricatum</u> <u>Halecium speciosum</u> <u>Lafoea dumosa</u> <u>Lafoea fruticosa</u> <u>Lafoea gracillima</u> <u>Obelia longissima</u> <u>Rhizogeton nudus</u> <u>Sarsia tubulosa</u> <u>Sertularella polyzonias</u> <u>Sertularella tricuspidata</u> <u>Sertularia mirabilis</u> <u>Sertularia schmidtii</u> <u>Sertularia similis</u> <u>Sertularia tenera</u> <u>Tetrapoma quadridentatum</u>	
BRACHIOPODA <u>Hemithyris psittacea</u>	1		
CHORDATA:Asciidae <u>Aplidium glabrum</u> <u>Ascidia callosa</u> Ascidia sp. <u>Boltenia echinata</u> <u>Boltenia ovifera</u> <u>Botrylloides aureum</u> <u>Cnemidocarpa finmarkiensis</u> <u>Cnemidocarpa rhizopus</u> <u>Dendrodoa aggregata</u> <u>Dendrodoa grossularia</u> Dendrodoa sp. <u>Didemnum albidum</u> <u>Distaplia clavata</u> <u>Halocynthia pyriformis</u> <u>Kukenthalia borealis</u> <u>Molgula griffithsi</u> <u>Pelonaia corrugata</u> <u>Polycitor vitreus</u> <u>Styela coriacea</u> <u>Styela rustica</u> <u>Synoicum sp.</u>	21		
COELENTERATA:Anthozoa <u>Actinostola spetsbergensis</u> <u>Drifa glomerata</u> <u>Gersemia rubiformis</u> <u>Hormathia nodosa</u> <u>Stomphia coccinea</u> <u>Tealia felina</u>	6		
COELENTERATA:Hydrozoa <u>Abietinaria abietina</u> <u>Calycella gracilis</u> <u>Calycella syringa</u> <u>Campanularia groenlandica</u> <u>Campanularia integra</u>	32		
		ECHINODERMATA:Asteroidea <u>Ctenodiscus crispatus</u> <u>Henricia eschrichtii</u> <u>Leptasterias groenlandica</u> <u>Leptasterias polaris</u> <u>Pteraster militaris</u> <u>Solaster endeca</u> <u>Solaster papposus</u> <u>Solaster syrtensis</u> <u>Stephanasterias albula</u> <u>Urasterias lincki</u>	10
		ECHINODERMATA:Crinoidea <u>Helio metra glacialis</u>	1
		ECHINODERMATA:Echinoidea <u>Strongylocentrotus droebachiensis</u>	1

Table 3. Continued.

Species	No.	Species	No.
ECHINODERMATA: Holothuroidea <u>Cucumaria calcigera</u>	4	<u>Membranipora serrulata</u>	
<u>Cucumaria frondosa</u>		<u>Membraniporella crassicosta</u>	
<u>Myriotrochus rinki</u>		<u>Microporella ciliata</u>	
<u>Psolus fabricii</u>		<u>Microporina articulata</u>	
ECHINODERMATA: Ophiuroidea <u>Gorgonocephalus arcticus</u>	6	<u>Myriapora coarctica</u>	
<u>Ophiacantha bidentata</u>		<u>Myriapora subgracilis</u>	
<u>Ophiopholis aculeata</u>		<u>Myriozoella plana</u>	
<u>Ophiura robusta</u>		<u>Parasmittina jeffreysi</u>	
<u>Ophiura sarsi</u>		<u>Phidolopora elongata</u>	
<u>Stegophiura nodosa</u>		<u>Porella acutirostris</u>	
ECTOPROCTA <u>Alcyonidium gelatinosum</u>	70	<u>Porella compressa</u>	
<u>Bidenkapia spitzbergensis</u>		<u>Porella concinna</u>	
<u>Calloporella craticula</u>		<u>Porella minuta</u>	
<u>Cauloramphus cymbaeformis</u>		<u>Porella smitti</u>	
<u>Celleporina surcularis</u>		<u>Posterula sarsi</u>	
<u>Celleporina ventricosa</u>		<u>Reginella spitzbergensis</u>	
<u>Cheilopora sincera</u>		<u>Rhamphostomella bilaminata</u>	
<u>Cribrilina annulata</u>		<u>Rhamphostomella costata</u>	
<u>Cystisella elegantula</u>		<u>Rhamphostomella hincksi</u>	
<u>Cystisella saccata</u>		<u>Rhamphostomella ovata</u>	
<u>Dendrobeania murrayana</u>		<u>Schizomavella porifera</u>	
<u>Diplosolen obelia</u>		<u>Schizoporella obesa</u>	
<u>Doryporella spathulifera</u>		<u>Scrupocellaria arctica</u>	
<u>Electra arctica</u>		<u>Securiflustra securifrons</u>	
<u>Escharella abyssicola</u>	.	<u>Smittina groenlandica</u>	
<u>Escharella connectens</u>		<u>Smittina majuscula</u>	
<u>Escharella immersa</u>		<u>Smittina mucronata</u>	
<u>Escharella thompsoni</u>		<u>Smittina rigida</u>	
<u>Escharella ventricosa</u>		<u>Stephanosella biaperta</u>	
<u>Euratea toricata</u>		<u>Stomachetosella cruenta</u>	
<u>Hincksina nigrans</u>		<u>Stomachetosella timbata</u>	
<u>Hincksipora spinulifera</u>		<u>Stomachetosella sinuosa</u>	
<u>Hippoporella hippopus</u>		<u>Tegella arctica</u>	
<u>Hippoporina cancellata</u>		<u>Tegella armifera</u>	
<u>Hippoporina propinqua</u>		<u>Tricellaria gracilis</u>	
<u>Hippoporina reticulatopunctata</u>		<u>Tricellaria peachi</u>	
<u>Hippothoa hyalina</u>		<u>Tricellaria ternata</u>	
<u>Idmonea atlantica</u>		<u>Umbonula arctica</u>	
<u>Kinetoskias arborescens</u>		MOLLUSCA: Amphineura	2
<u>Lepraliella contigua</u>		<u>Ischnochiton albus</u>	
<u>Lichenopora hispida</u>		<u>Tonicella marmorea</u>	
<u>Lichenopora verrucaria</u>			

Table 3. Continued.

Species	No.	Species	No.
MOLLUSCA:Gastropoda	39	<u>Crenella faba</u>	
<u>Acmaea testudinalis</u>		<u>Cyclocardia borealis</u>	
<u>Admete couthouyi</u>		<u>Hiatella arctica</u>	
<u>Astyris rosacea</u>		<u>Lyonsia arenosa</u>	
<u>Boreotrophon fabricii</u>		<u>Macoma balthica</u>	
<u>Boreotrophon truncatus</u>		<u>Macoma calcarea</u>	
<u>Buccinum ciliatum</u>		<u>Macoma moesta</u>	
<u>Buccinum cyaneum</u>		<u>Musculus corrugatus</u>	
<u>Buccinum glaciale</u>		<u>Musculus discors</u>	
<u>Buccinum scalariforme</u>		<u>Musculus niger</u>	
<u>Buccinum totteni</u>		<u>Mya truncata</u>	
<u>Buccinum undatum</u>		<u>Mytilus edulis</u>	
<u>Capulacmaea radiata</u>		<u>Nucula belloti</u>	
<u>Colus islandicus</u>		<u>Nuculana minuta</u>	
<u>Colus spitzbergensis</u>		<u>Nuculana pernula</u>	
<u>Colus tortuosus</u>		<u>Pandora glacialis</u>	
<u>Cylichna alba</u>		<u>Serripes groenlandicus</u>	
<u>Lepeta caeca</u>		<u>Thyasira gouldi</u>	
<u>Littorina saxatilis</u>		<u>Yoldia hyperborea</u>	
<u>Lunatia pallida</u>			
<u>Margarites costalis</u>		NEMERTINA	1
<u>Margarites groenlandicus</u>		Nemertean	
<u>Margarites helicinus</u>			
<u>Margarites umbilicalis</u>		PORIFERA	7
<u>Natica clausa</u>		<u>Homoeodictya palmata</u>	
<u>Neptunea heros</u>		<u>Lissodendoryx indistincta</u>	
<u>Oenopota bicarinata</u>		<u>Mycale lingua</u>	
<u>Oenopota elegans</u>		<u>Phakettia arctica</u>	
<u>Oenopota pyramidalis</u>		<u>Phakettia cribrosa</u>	
<u>Oenopota turricula</u>		<u>Phakettia ventilabrum</u>	
<u>Onchidiopsis kingmaruensis</u>		<u>Phakettia sp.</u>	
<u>Plicifusus kroyeri</u>			
<u>Tachyrhynchus erosus</u>		PRIAPULIDA	1
<u>Tachyrhynchus reticulatus</u>		<u>Halicypritus spinulosus ?</u>	
<u>Trichotropis bicarinata</u>			
<u>Trichotropis borealis</u>		SIPUNCULA	2
<u>Trichotropis conica</u>		<u>Golfingia eremita</u>	
<u>Velutina undata</u>		<u>Golfingia margaritacea</u>	
<u>Velutina velutina</u>			
<u>Volutopsius norvegicus</u>		TOTAL	411
MOLLUSCA:Pelecypoda	24		
<u>Astarte borealis</u>			
<u>Astarte montagui</u>			
<u>Chlamys islandica</u>			
<u>Clinocardium ciliatum</u>			
<u>Crenella decussata</u>			

Table 4. Benthic invertebrates collected by net from station 1, 24 Jun 1947.

Species	Species
ANNELIDA: Polychaeta	ARTHROPODA: Cumacea
<u>Autolytus alexandri</u> (as <u>A. verrilli</u>)	<u>Diastylis rathkei</u>
<u>Autolytus prismaticus</u>	
<u>Autolytus prolifer</u>	
<u>Eteone Tonga</u>	
ARTHROPODA: Amphipoda	
<u>Apherusa glacialis</u>	
<u>Caprella septentrionalis</u>	
<u>Gammarellus homari</u>	
<u>Ischyrocerus anguipes</u>	
<u>Oediceros saginatus</u>	
<u>Onisimus glacialis</u> (as <u>Pseudalibrotus</u>)	
<u>Onisimus littoralis</u> (as <u>Pseudalibrotus littoralis</u>)	
<u>Paroedicerus lynceus</u>	
<u>Pontogeneia inermis</u>	
<u>Pontoporeia affinis</u>	

Table 5. Benthic invertebrates collected by hand from station 1A, 24 Jun 1947.

Species
ANNELIDA: Polychaeta
<u>Harmothoe imbricata</u>
ARTHROPODA: Amphipoda
<u>Gammarus oceanicus</u> (as <u>G. zaddachi oceanicus</u>)
<u>Gammarus setosus</u>
ARTHROPODA: Cirripedia
<u>Balanus balanoides</u>
MOLLUSCA: Gastropoda
<u>Littorina saxatilis</u>
MOLLUSCA: Pelecypoda
<u>Crenella faba</u>
<u>Macoma balthica</u>

Table 6. Benthic invertebrates collected by dredge from station 3, 29 Jun 1947.

Species	Species
ANNELEIDA: Polychaeta <u>Autolytus prismaticus</u>	ECHINODERMATA: Asteroidea <u>Leptasterias groenlandica</u>
ARTHROPODA: Amphipoda <u>Gammarellus homari</u> <u>Orchomene macrosererrata</u> <u>Pontogeneia inermis</u>	MOLLUSCA: Gastropoda <u>Plicifusus kroyeri</u>
ARTHROPODA: Decapoda <u>Lebbeus groenlandicus</u> <u>Lebbeus polaris</u> <u>Spirontocaris spinus</u>	MOLLUSCA: Pelecypoda <u>Crenella faba</u> <u>Musculus discors</u> (f. <u>laevigatus</u> & <u>substriatus</u>)
ARTHROPODA: Pycnogonida <u>Pseudopallene circularis</u>	
CHORDATA: Ascidiacea <u>Boltenia ovifera</u> <u>Dendrodoa aggregata</u>	

Table 7. Benthic invertebrates collected by hand from station 5, 29 Jun 1947.

Species
ARTHROPODA: Amphipoda <u>Gammarus oceanicus</u> (as <u>G. zaddachi oceanicus</u>) <u>Mesometopa neglecta</u> (as <u>Metopella</u>)
ARTHROPODA: Cirripedia <u>Balanus balanoides</u>
ARTHROPODA: Isopoda <u>Arcturus baffini</u>
MOLLUSCA: Gastropoda <u>Littorina saxatilis</u>
MOLLUSCA: Pelecypoda <u>Crenella faba</u> <u>Mytilus edulis</u>

Table 8. Benthic invertebrates collected by hand from station 6, 3 Jul 1947.

Species
ARTHROPODA:Amphipoda
<u>Onisimus glacialis</u> (as <u>Pseudalibrotus</u>)
<u>Onisimus litoralis</u> (as <u>Pseudalibrotus littoralis</u>)
ARTHROPODA:Cirripedia
<u>Balanus balanoides</u>
MOLLUSCA:Gastropoda
<u>Littorina saxatilis</u>

Table 9. Benthic invertebrates collected by dredge from station 7, 3 Jul 1947.

Species	Species
ANNELIDA:Polychaeta	ECTOPROCTA
<u>Autolytus alexandri</u> (As <u>A. verrilli</u>)	<u>Hippoporina reticulatopunctata</u>
<u>Autolytus prismaticus</u>	
ARTHROPODA:Amphipoda	
<u>Apherusa glacialis</u>	
<u>Apherusa megalops</u> (as <u>Halirages</u>)	
<u>Gamarellus homari</u>	
<u>Gammarus wilkitzkii</u>	
<u>Ischyrocerus anguipes</u>	
<u>Onisimus litoralis</u> (as <u>Pseudalibrotus littoralis</u>)	
<u>Pontogeneia inermis</u>	
ARTHROPODA:Cumacea	
<u>Diastylys rathkei</u>	
<u>Lamprops fuscata</u>	
ARTHROPODA:Decapoda	
<u>Eualus fabricii</u>	
<u>Lebbeus polaris</u>	

Table 10. Benthic invertebrates collected by hand from station 8, 5 Jul 1947.

Species

ARTHROPODA:Amphipoda

Gammarus oceanicus (as G. zaddachi oceanicus)
Gammarus setosus

ARTHROPODA:Cirripedia

Balanus balanoides

MOLLUSCA:Gastropoda

Littorina saxatilis

MOLLUSCA:Pelecypoda

Mytilus edulis

Table 11. Benthic invertebrates collected by net from station 9, 11 Jul 1947.

Species

ANNELIDA:Polychaeta

Autolytus alexandri (as A. verrilli)
Autolytus prismaticus

ARTHROPODA:Amphipoda

Apherusa glacialis

Apherusa megalops (as Haligares)

Boecksimus edwardsi (as Onisimus)

Ischyrocerus anguipes

Metopa longirama

Oediceros saginatus

Onisimus littoralis (as Pseudalibrotus littoralis)

Onisimus nansenii (as Pseudalibrotus)

Pontogeneia inermis

Table 12. Benthic invertebrates collected by dredge from station 11, 12 Jul 1947.

Species	Species
ANNELIDA:Polychaeta <u>Phyllodoce groenlandica</u>	COELENTERATA:Hydrozoa <u>Calycella syringa</u> <u>Sertularia similis</u>
ARTHROPODA:Amphipoda <u>Anonyx nugax</u> <u>Erichthonius tolli</u> <u>Parapleustes sinuipalma</u> <u>Pleustes panoplus</u>	ECHINODERMATA:Holothuroidea <u>Cucumaria frondosa</u> (as. <u>C. japonica</u>)
ARTHROPODA:Decapoda <u>Argis dentata</u> <u>Eualus fabricii</u> <u>Eualus gaimardi</u> <u>Lebbeus groenlandicus</u> <u>Lebbeus polaris</u> <u>Pagurus pubescens</u> (as <u>Eupagurus kroyeri</u>) <u>Spirontocaris spinus</u>	ECTOPROCTA <u>Cauloramphus cymbaeformis</u> <u>Hippothoa hyalina</u> <u>Myriozoella plana</u> <u>Tegella armifera</u>
ARTHROPODA:Isopoda <u>Mesidotea sabini</u>	MOLLUSCA:Gastropoda <u>Buccinum scalariforme</u> (as <u>B. tenuis</u>) <u>Natica clausa</u>

Table 13. Benthic invertebrates collected by hand from station 12, 12 Jul 1947.

Species
ANNELIDA:Polychaeta <u>Harmothoe imbricata</u>
ARTHROPODA:Cirripedia <u>Balanus balanoides</u>
MOLLUSCA:Pelecypoda <u>Astarte borealis</u>

Table 14. Benthic invertebrates collected by net from station 13, 13 Jul 1947.

Species	Species
ANNELIDA: Polychaeta <u>Autolytus prismaticus</u>	ECTOPROCTA <u>Bidenkapia spitzbergensis</u>
<u>Chaetozone setosa</u>	
<u>Harmothoe extenuata</u> (as <u>Lagisca rarispina</u>)	MOLLUSCA: Gastropoda <u>Buccinum glaciale</u>
<u>Pista maculata</u>	<u>Buccinum undatum</u>
<u>Syllis cornuta</u>	<u>Cylichna alba</u>
<u>Velutina undata</u>	
ARTHROPODA: Amphipoda <u>Acanthonotozoma serratum</u>	MOLLUSCA: Pelecypoda <u>Muculus discors</u> (f. <u>laevigatus</u>)
<u>Ampelisca eschrichti</u>	<u>Nuculana minuta</u>
<u>Anonyx lilljeborgi</u> (var. <u>setosus</u>)	
<u>Anonyx nugax</u>	
<u>Apherusa glacialis</u>	
<u>Byblis gaimardi</u>	
<u>Metopa glacialis</u> (as <u>M. cariana</u>)	
<u>Monoculodes latimanus</u>	
<u>Monoculodes tuberculatus</u>	
<u>Onisimus glacialis</u> (as <u>Pseudalibrotus</u>)	
<u>Pardalisca cuspidata</u>	
<u>Paroedicerus lynceus</u>	
<u>Rhachotropis inflata</u> (as <u>Rachotropis</u>)	
<u>Stenopleustes olriki</u> (as <u>Symploestes</u>)	
<u>Syrrhoe crenulata</u>	
ARTHROPODA: Cumacea <u>Diastylis rathkei</u>	
ARTHROPODA: Decapoda <u>Eualus fabricii</u>	
<u>Lebbeus groenlandicus</u>	
<u>Spirontocaris phippsi</u>	
<u>Spirontocaris spinus</u>	
BRACHIOPODA <u>Hemithyris psittacea</u>	
COELENTERATA: Hydrozoa <u>Halecium curvicaule</u>	
<u>Lafoea gracillima</u>	
ECHINODERMATA: Asteroidea <u>Henricia eschrichti</u>	
<u>Leptasterias groenlandica</u>	
ECHINODERMATA: Ophiuroidea <u>Ophiacantha bidentata</u>	

Table 15. Benthic invertebrates collected by long line from station 17, 17 Jul 1947.

Species

COELENTERATA:Anthozoa

Tealia felina

ECHINODERMATA:Ophiuroidea

Ophiacantha bidentata

MOLLUSCA:Gastropoda

Cylichna alba

MOLLUSCA:Pelecypoda

Astarte borealis (f. typica)

Table 16. Benthic invertebrates collected by net from station 18, 17 Jul 1947.

Species	Species
ANNELIDA: Polychaeta	ARTHROPODA: Cumacea
<u>Autolytus prismaticus</u>	<u>Diastylis rathkei</u>
<u>Harmothoe extenuata</u> (as <u>Lagisca rarispina</u>)	<u>Leucon nasicoides</u>
<u>Nereis pelagica</u>	ARTHROPODA: Decapoda
<u>Nicolea zostericola</u>	<u>Eualus fabricii</u>
<u>Sphaerodorum gracile</u> (as <u>Ephesia gracilis</u>)	<u>Eualus gaimardi</u>
ARTHROPODA: Amphipoda	<u>Lebbeus groenlandicus</u>
<u>Acanthonotozoma inflatum</u>	<u>Lebbeus polaris</u>
<u>Ampelisca eschrichti</u>	<u>Pandalus montagui</u>
<u>Apherusa glacialis</u>	<u>Spirontocaris phippsi</u>
<u>Bathymedon obtusifrons</u>	<u>Spirontocaris spinus</u>
<u>Byblis gaimardi</u>	CHORDATA: Ascidiacea
<u>Dyopedos porrectus</u> (as <u>Dulichia porrecta</u>)	<u>Boltenia ovifera</u>
<u>Ericthonius tolli</u>	ECHINODERMATA: Asteroidea
<u>Eurysteus melanops</u>	<u>Leptasterias polaris</u> (as <u>Asterias</u>)
<u>Eusirus cuspidatus</u>	ECHINODERMATA: Echinoidea
<u>Gitanopsis arctica</u>	<u>Strongylocentrotus droebachiensis</u>
<u>Ischyrocerus anguipes</u>	MOLLUSCA: Gastropoda
<u>Ischyrocerus commensalis</u>	<u>Boreotrophon fabricii</u>
<u>Ischyrocerus latipes</u>	<u>Oenopota elegans</u>
<u>Ischyrocerus megacheir</u>	<u>Tachyrhynchus reticulatus</u>
<u>Metopa norvegica</u>	MOLLUSCA: Pelecypoda
<u>Metopella nasuta</u>	<u>Astarte montagui</u> (f. <u>striata</u>)
<u>Monoculodes latimanus</u>	<u>Crenella decussata</u>
<u>Monoculodes tuberculatus</u>	
<u>Onisimus glacialis</u> (as <u>Pseudalibrotus</u>)	
<u>Onisimus litoralis</u> (as <u>Pseudalibrotus tittoralis</u>)	
<u>Onisimus nansenii</u> (as <u>Pseudalibrotus</u>)	
<u>Orchomene macroserrata</u>	
<u>Parapleustes assimilis</u>	
<u>Pardalisca cuspidata</u>	
<u>Paroediceros lynceus</u>	
<u>Photis tenuicornis</u>	
<u>Pleustes panoplus</u>	
<u>Rhachotropis acuteata</u> (as <u>Rachotropis</u>)	
<u>Rhachotropis inflata</u> (as <u>Rachotropis</u>)	
<u>Siphonoecetes typicus</u>	
<u>Stenopleustes olriki</u> (as <u>Symploestes</u>)	
<u>Syrrhoe crenulata</u>	
<u>Westwoodilla megalops</u>	

Table 17. Benthic invertebrates collected by dredge from station 20-21, 18 Jul 1947.

Species	Species
ANNELEIDA: Polychaeta	ECTOPROCTA
<u>Ammotrypane aulogaster</u>	<u>Bidenkapia spitzbergensis</u>
<u>Amphitrite cirrata</u>	<u>Cystisella saccata</u>
<u>Chaetozone setosa</u>	<u>Escharella ventricosa</u>
<u>Chone infundibuliformis</u>	<u>Hincksina nigrans</u>
<u>Harmothoe extenuata</u> (as <u>Lagisca rarispina</u>)	<u>Hippothoa hyalina</u>
<u>Nephtys ciliata</u> (as <u>Nephthys</u>)	<u>Myriozoella plana</u>
	<u>Parasmittina jeffreysi</u>
	<u>Porella acutirostris</u>
ARTHROPODA: Amphipoda	MOLLUSCA: Gastropoda
<u>Ampelisca eschrichti</u>	<u>Boreotrophon truncatus</u>
<u>Anonyx lilljeborgi</u> (var. <u>setosus</u>)	<u>Tachyrhynchus reticulatus</u>
<u>Anonyx nugax</u>	<u>Velutina velutina</u>
<u>Anonyx nugax</u> (var. <u>spinosus</u>)	MOLLUSCA: Pelecypoda
<u>Boecksimus plautus</u> (as <u>Onisimus</u>)	<u>Astarte borealis</u>
<u>Ericthonius tolli</u>	<u>Astarte montagui</u> (f. <u>warhami</u>)
<u>Orchomene macroserrata</u>	<u>Clinocardium ciliatum</u>
<u>Paronesimus barentsi</u>	<u>Macoma calcarea</u>
<u>Protomedieia grandimana</u>	<u>Musculus discors</u> (f. <u>laevigatus</u>)
<u>Socarnes vahli</u>	<u>Pandora glacialis</u>
	<u>Thyasira gouldi</u>
ARTHROPODA: Cumacea	
<u>Diastylis rathkei</u>	
ARTHROPODA: Decapoda	
<u>Argis dentata</u>	
<u>Eualus fabricii</u>	
<u>Eualus gaimardi</u>	
<u>Hyas coarctatus</u>	
<u>Lebbeus groenlandicus</u>	
<u>Lebbeus polaris</u>	
CHORDATA: Ascidiacea	
<u>Boltenia echinata</u>	
<u>Dendrodoa aggregata</u>	
<u>Styela rustica</u>	
COELENTERATA: Hydrozoa	
<u>Calycella syringa</u>	
ECHINODERMATA: Asteroidea	
<u>Leptasterias groenlandica</u>	

Table 18. Benthic invertebrates collected by net from station 22, 18 Jul 1947.

Species
ARTHROPODA:Amphipoda
<u>Aeginina longicornis</u>
<u>Anonyx nugax</u>
<u>Monoculodes latimanus</u>
<u>Orchomene pinguis</u> (as <u>Orchomenella</u>)
ARTHROPODA:Cumacea
<u>Diastylis rathkei</u>

Table 19. Benthic invertebrates collected by hand from station 23, 19 Jul 1947.

Species
MOLLUSCA:Pelecypoda
<u>Mytilus edulis</u>
PORIFERA
Sponge

Table 20. Benthic invertebrates collected by dredge from station 25, 19 Jul 1947.

Species
ANNELIDA:Polychaeta
<u>Nereis pelagica</u>
<u>Thelepus cincinnatus</u>
MOLLUSCA:Pelecypoda
<u>Hiatella arctica</u>

Table 21. Benthic invertebrates collected by dredge from station 27, 19 Jul 1947.

Species
ANNELIDA: Polychaeta
<u>Nereis pelagica</u>
<u>Thelepus cincinnatus</u>
ARTHROPODA: Amphipoda
<u>Anonyx nugax</u>
ARTHROPODA: Decapoda
<u>Eualus fabricii</u>
MOLLUSCA: Pelecypoda
<u>Hiatella arctica</u>
<u>Musculus discors</u> (f. laevigatus & substriatus)

Table 22. Benthic invertebrates collected by dredge from station 28, 19 Jul 1947.

Species	Species
ANNELIDA: Polychaeta	COELENTERATA: Hydrozoa
<u>Chone infundibuliformis</u>	<u>Halecium speciosum</u>
<u>Nereis pelagica</u>	<u>Lafoea gracillima</u>
ARTHROPODA: Amphipoda	ECTOPROCTA
<u>Orchomene macroserrata</u>	<u>Bidenkapia spitzbergensis</u>
<u>Socarnes vahli</u>	<u>Celleporina ventricosa</u>
ARTHROPODA: Decapoda	<u>Hippothoa hyalina</u>
<u>Eualus fabricii</u>	<u>Lichenopora hispida</u>
<u>Hyas coarctatus</u>	<u>Myriozoella plana</u>
<u>Lebbeus groenlandicus</u>	<u>Porella acutirostris</u>
<u>Lebbeus polaris</u>	<u>Smittina majuscula</u>
<u>Pagurus pubescens</u> (as <u>Eupagurus kroyeri</u>)	<u>Tegella armifera</u>
CHORDATA: Ascidiacea	MOLLUSCA: Gastropoda
<u>Aplidium glabrum</u>	<u>Boreotrophon fabricii</u>
<u>Boltenia ovifera</u>	<u>Lunatia pallida</u>
<u>Synoicum</u> sp.	MOLLUSCA: Pelecypoda
COELENTERATA: Hydrozoa	<u>Crenella faba</u>
<u>Calycella syringa</u>	<u>Hiatella arctica</u>
<u>Campanularia integra</u>	
<u>Campanularia volubilis</u>	
<u>Eudendrium capillare</u>	

Table 23. Benthic invertebrates collected by dredge from station 30, 20 Jul 1947.

Species	Species
ANNELOIDA: Polychaeta <u>Harmothoe extenuata</u> (as <u>Lagisca rarispina</u>)	MOLLUSCA: Gastropoda <u>Margarites costalis</u>
<u>Nereis pelagica</u> <u>Thelepus cincinnatus</u>	MOLLUSCA: Pelecypoda <u>Astarte montagui</u> (f. <u>striata</u> & <u>warhami</u>)
ARTHROPODA: Amphipoda <u>Haploops setosa</u>	<u>Hiatella arctica</u> <u>Musculus discors</u> (f. <u>substriatus</u>)
ARTHROPODA: Decapoda <u>Lebbeus groenlandicus</u> <u>Sclerocrangon boreas</u>	
BRACHIOPODA <u>Hemithyris psittacea</u>	
CHORDATA: Ascidiaceae <u>Ascidia</u> sp. <u>Botrylloides aureum</u> <u>Cnemidocarpa finmarkiensis</u> <u>Dendrodoa grossularia</u> <u>Distaplia clavata</u> <u>Molgula griffithsi</u> (as <u>M. griffithsii</u>) <u>Polycitor vitreus</u> <u>Synoicum</u> sp.	
ECHINODERMATA: Asteroidea <u>Henricia eschrichti</u>	
ECHINODERMATA: Ophiuroidea <u>Ophiacantha bidentata</u> <u>Ophiotholus aculeata</u> <u>Ophiura robusta</u>	
ECTOPROCTA <u>Bidenkapia spitzbergensis</u> <u>Cheilopora sincera</u> <u>Cystisella saccata</u> <u>Hippoporina cancellata</u>	

Table 24. Benthic invertebrates collected by hand and net from station 31, 5 Aug 1947.

Species

ANNELOIDA:Polychaeta
Spio filicornis

ARTHROPODA:Amphipoda
Calliopus laeviusculus
Gammarus oceanicus
Gammarus setosus
Onisimus littoralis (as Pseudalibrotus littoralis)
Pontoporeia affinis

MOLLUSCA:Pelecypoda
Mytilus edulis

Table 26. Benthic invertebrates collected by net from station 37, 11 Aug 1947.

Species

ANNELIDA:Polychaeta

Autolytus prismaticus

ARTHROPODA:Amphipoda

Caprella septentrionalisGammarus oceanicusPontogeneia inermis

Table 27. Benthic invertebrates collected by net from station 38, 11 Aug 1947.

Species

ANNELIDA:Polychaeta

Autolytus prismaticusEteone longa

ARTHROPODA:Amphipoda

Ischyrocerus latipesPontogeneia inermis

Table 28. Benthic invertebrates collected by hand and net from station 40, 16 Aug 1947.

Species	Species
ANNELIDA: Polychaeta	ARTHROPODA: Cumacea
<u>Ampharete acutifrons</u> (as <u>A. grubei</u>)	<u>Diastylis rathkei</u>
<u>Harmothoe imbricata</u>	COELENTERATA: Anthozoa
<u>Lumbrineris gracilis</u> (as <u>Lumbrinereis</u>)	<u>Tealia felina</u>
<u>Scalibregma inflatum</u>	ECHINODERMATA: Asteroidea
<u>Travisia forbesi</u> (as <u>T. forbesii</u>)	<u>Leptasterias polaris</u> (as <u>Asterias</u>)
ARTHROPODA: Amphipoda	MOLLUSCA: Pelecypoda
<u>Apherusa mixtus</u> (as <u>Halirages</u>)	<u>Crenella faba</u>
<u>Calliopius laeviusculus</u>	
<u>Caprella septentrionalis</u>	
<u>Gammarus oceanicus</u>	
<u>Metopella carinata</u>	
<u>Monoculodes longirostris</u>	
<u>Oediceros saginatus</u>	
<u>Onisimus litoralis</u> (as <u>Pseudalibrotus littoralis</u>)	
<u>Pleusymtes buttoni</u> (as <u>Symploestes</u>)	
<u>Pleusymtes glabroides</u> (as <u>Symploestes</u>)	
<u>Pontogeneia inermis</u>	

Table 29. Benthic invertebrates collected by net from station 44, 19 Aug 1947.

Species
ARTHROPODA: Amphipoda
<u>Gammarus wilkitzkii</u>
<u>Metopa glacialis</u> (as <u>M. cariana</u>)
<u>Onisimus litoralis</u> (as <u>Pseudalibrotus littoralis</u>)
<u>Pontoporeia affinis</u>

Table 30. Benthic invertebrates collected by dredge from station 45, 23 Aug. 1947.

Species	Species
ANNELEIDA: Polychaeta <u>Axiothella catenata</u> <u>Harmothoe imbricata</u>	MOLLUSCA: Gastropoda <u>Astyris rosacea</u> <u>Margarites costalis</u> <u>Oenopota bicarinata</u> <u>Oenopota elegans</u> <u>Oenopota turricula</u> <u>Tachyrhynchus erosus</u> <u>Trichotropis borealis</u>
ARTHROPODA: Amphipoda <u>Ampelisca eschrichti</u> <u>Ampelisca macrocephala</u> <u>Boecksimus plautus</u> (as <u>Onisimus plautus</u>)	MOLLUSCA: Pelecypoda <u>Astarte borealis</u> (f. <u>arctica</u>) <u>Astarte montagui</u> (f. <u>banksii</u>) <u>Crenella faba</u> <u>Cyclocardia borealis</u> (as <u>Venericardia borealis</u>) <u>Hiatella arctica</u> <u>Macoma calcarea</u> <u>Mya truncata</u> (f. <u>uddevalensis</u>)
ARTHROPODA: Cumacea <u>Diastylis rathkei</u>	
ARTHROPODA: Decapoda <u>Argis dentata</u> <u>Eualus fabricii</u> <u>Eualus gaimardi</u> <u>Eualus g. belcheri</u> <u>Hyas coarctatus</u> <u>Pagurus pubescens</u> (as <u>Eupagurus kroyeri</u>) <u>Pandalus montagui</u> <u>Spirontocaris phippsi</u>	
ARTHROPODA: Isopoda <u>Mesidotea sabini</u>	
CHORDATA: Ascidiacea <u>Boltenia echinata</u> <u>Distaplia clavata</u> <u>Styela coriacea</u>	
ECHINODERMATA: Holothuroidea <u>Cucumaria calcigera</u> <u>Psolus fabricii</u>	
MOLLUSCA: Amphineura <u>Tonicella marmorea</u>	

Table 31. Benthic invertebrates collected by hand from station 49, 25 Aug 1947.

Species

ECTOPROCTA

Cystisella elegantula

PORIFERA

Phakettia sp.

Table 32. Benthic invertebrates collected from station 50, 28 Aug 1947.

Species

MOLLUSCA:Gastropoda

Acmaea testudinalis

Table 33. Benthic invertebrates collected by net from station 51, 29 Aug 1947.

Species	Species
ANNELIDA: Polychaeta	
<u>Ampharete acutifrons</u> (as <u>A. grubei</u>)	<u>Monoculodes intermedius</u>
<u>Autolytus prismaticus</u>	<u>Monoculodes latimanus</u>
<u>Eteone longa</u>	<u>Onisimus litoralis</u> (as <u>Pseudalibrotus littoralis</u>)
<u>Harmothoe imbricata</u>	<u>Pontogeneia inermis</u>
<u>Scoloplos armiger</u>	<u>Pontoporeia affinis</u>
ARTHROPODA: Amphipoda	ARTHROPODA: Cumacea
<u>Anonyx nugax</u>	<u>Diastylis rathkei</u>
<u>Apherusa megalops</u> (as <u>Halirages</u>)	<u>Lamprops fuscata</u>
<u>Atylus carinatus</u>	
<u>Boeckosimus edwardsi</u> (as <u>Onisimus</u>)	MOLLUSCA: Gastropoda
<u>Calliopius laeviusculus</u>	<u>Acmaea testudinalis</u>
<u>Gammarus oceanicus</u>	
<u>Gammarus setosus</u>	PRIAPULIDA
<u>Guernea nordenskioldi</u>	<u>Halicypritus spinulosus</u> ?
<u>Ischyrocerus anguipes</u>	
<u>Monoculodes edwardsi</u>	

Table 34. Benthic invertebrates collected by dredge from station 52, 30 Aug 1947.

Species
MOLLUSCA: Pelecypoda
<u>Crenella faba</u>

Table 35. Benthic invertebrates collected by dredge from station 53, 10 Jul 1948.

Species	Species
ARTHROPODA:Amphipoda <u>Caprella septentrionalis</u>	ECTOPROCTA <u>Callopora craticula</u>
<u>Onisimus litoralis</u> (as <u>Pseudalibrotus littoralis</u>)	<u>Eucratea toricata</u>
ARTHROPODA:Decapoda <u>Eualus fabricii</u>	MOLLUSCA:Pelecypoda <u>Crenella faba</u>
<u>Lebbeus groenlandicus</u>	<u>Musculus discors</u> (f. <u>laevigatus</u>)
CHORDATA:Asciidiacea <u>Boltenia echinata</u>	
<u>Boltenia ovifera</u>	
<u>Dendrodoa aggregata</u>	
<u>Distaplia clavata</u>	

Table 36. Benthic invertebrates collected by dredge from station 55, Jul 1948.

Species
ECHINODERMATA:Holothuroidea <u>Psolus fabricii</u>

Table 37. Benthic invertebrates collected by net from station 57, 27 Jul 1948.

Species
ANNELIDA:Polychaeta <u>Autolytus prismaticus</u>
ARTHROPODA:Amphipoda <u>Gammarus wilkitzkii</u>
<u>Onisimus glacialis</u> (as <u>Pseudalibrotus</u>)

Table 38. Benthic invertebrates collected by dredge from station 58, 28 Jul 1948.

Species	Species
ANNELIDA:Polychaeta <u>Autolytus prolifer</u> <u>Harmothoe extenuata</u> (as <u>Lagisca rarispina</u>)	ECHINODERMATA:Asteroidea <u>Henricia eschrichti</u> <u>Stephanasterias albula</u>
<u>Harmothoe imbricata</u> <u>Nereis pelagica</u> <u>Nicolea zostericola</u>	ECHINODERMATA:Echinoidea <u>Strongylocentrotus droebachiensis</u>
ARTHROPODA:Amphipoda <u>Acanthonotozoma inflatum</u> <u>Ischyrocerus anguipes</u> <u>Neopleustes boecki</u> (as <u>Parapleustes</u>)	ECHINODERMATA:Holothuroidea <u>Cucumaria frondosa</u> (as <u>C. japonica</u>) <u>Psolus fabricii</u>
ARTHROPODA:Decapoda <u>Eualus fabricii</u> <u>Lebbeus groenlandicus</u> <u>Lebbeus polaris</u> <u>Spirontocaris phippsi</u>	ECHINODERMATA:Ophiuroidea <u>Ophiacantha bidentata</u>
BRACHIOPODA <u>Hemithyris psittacea</u>	ECTOPROCTA <u>Bidenkapia spitzbergensis</u> <u>Callopora craticula</u> <u>Cauloramphus cymbaeformis</u> <u>Cystisella saccata</u> <u>Diplosolen obelia</u> <u>Eucratea toricata</u> <u>Hippoporina propinqua</u> <u>Hippoporina reticulatopunctata</u> <u>Hippothoa hyalina</u> <u>Idmonea atlantica</u> <u>Lichenopora verrucaria</u> <u>Membranipora serrulata</u> <u>Microporina articulata</u> <u>Myriozoella plana</u> <u>Rhamphostomella bilaminata</u> <u>Rhamphostomella costata</u> <u>Scrupocellaria arctica</u> <u>Tricellaria gracilis</u>
COELENTERATA:Hydrozoa <u>Calycella syringa</u> <u>Campanularia groenlandica</u> <u>Campanularia integra</u> <u>Campanularia speciosa</u> <u>Campanularia volubilis</u> <u>Coryne pusilla</u> <u>Eudendrium arbusculum</u> <u>Eudendrium capillare</u> <u>Eudendrium tenellum</u> <u>Filellum serpens</u> <u>Gonothyraea loveni</u> <u>Halecium tabrosum</u> <u>Halecium muricatum</u> <u>Lafoea dumosa</u> <u>Lafoea gracillima</u> <u>Sertularella polyzonias</u> <u>Sertularella tricuspidata</u> <u>Sertularia mirabilis</u> <u>Sertularia schmidti</u> <u>Sertularia similis</u> <u>Sertularia tenera</u> <u>Tetrapoma quadridentatum</u>	MOLLUSCA:Gastropoda <u>Colus spitzbergensis</u>
	MOLLUSCA:Pelecypoda <u>Crenella faba</u> <u>Musculus discors</u> (f. <u>substriatus</u>)

Table 39. Benthic invertebrates collected by dredge from station 59, 31 Jul 1948.

Species
ARTHROPODA:Decapoda
<u>Eualus fabricii</u>
<u>Eualus gaimardi</u>
<u>Lebbeus groenlandicus</u>
<u>Lebbeus polaris</u>
<u>Pagurus pubescens</u> (as <u>Eupagurus kroyeri</u>)
<u>Spirontocaris phippsi</u>
<u>Spirontocaris spinus</u>
ECHINODERMATA:Holothuroidea
<u>Psolus fabricii</u>

Table 40: Benthic invertebrates collected by net from station 60, 2 Aug 1948.

Species
ANNELIDA:Polychaeta
<u>Autolytus alexandri</u> (as <u>A. verrilli</u>)
<u>Autolytus prismaticus</u>
ARTHROPODA:Amphipoda
<u>Gammarus wilkitzkii</u>

Table 47. Benthic invertebrates collected by net from station 101, 26 Jun 1949.

Species

ANNELIDA:Polychaeta

Autolytus alexandri
Autolytus prismaticus
Autolytus prolifer
Eteone longa
Scalibregma inflatum

ARTHROPODA:Amphipoda

Anonyx nugax
Apherusa megalops (as Haliages)
Boecksimus edwardsi (as Onisimus)
Dulichia tuberculata
Eusirus cuspidatus
Monoculodes tuberculatus
Paroedicerous lynceus
Pontogeneia inermis
Syrrhoe crenulata
Westwoodilla brevicalcar

ARTHROPODA:Cumacea

Diastylis scorpioides

Table 48. Benthic invertebrates collected by dredge and trawl from station 102, 30 Jun 1949.

Species	Species
ANNELIDA: Polychaeta	ARTHROPODA: Cumacea
<u>Amphicteis sundevalli</u>	<u>Diastylis rathkei</u>
<u>Chaetozone setosa</u>	ARTHROPODA: Decapoda
<u>Chone infundibuliformis</u>	<u>Argis dentata</u>
<u>Gattyana cirrosa</u>	<u>Eualus fabricii</u>
<u>Harmothoe extenuata</u> (as <u>Lagisca rarispina</u>)	<u>Eualus g. belcheri</u>
<u>Harmothoe imbricata</u>	<u>Hyas coarctatus</u>
<u>Harmothoe nodosa</u> (as <u>Eunoë</u>)	<u>Sabinea septemcarinata</u>
<u>Laphania boecki</u>	BRACHIOPODA
<u>Lumbrineris fragilis</u> (as <u>Lumbrinereis</u>)	<u>Hemithyris psittacea</u>
<u>Lysilla loveni</u>	CHORDATA: Ascidiacea
<u>Lysippe tabiata</u>	<u>Cnemidocarpa finmarkiensis</u>
<u>Maldane sarsi</u>	<u>Distaplia clavata</u>
<u>Nephtys ciliata</u> (as <u>Nephthys</u>)	<u>Petonaia corrugata</u>
<u>Pherusa plumosa</u> (as <u>Stylaroides</u>)	COELENTERATA: Anthozoa
<u>Pholoe minuta</u>	<u>Actinostola spetsbergensis</u>
<u>Phyllodoce groenlandica</u>	<u>Tealia felina</u>
<u>Sabellides octocirrata</u> (as <u>Pseudosabellides lineata</u>)	ECHINODERMATA: Crinoidea
<u>Scalibregma inflatum</u>	<u>Heliometra glacialis</u>
<u>Scoloplos armiger</u>	ECHINODERMATA: Echinoidea
<u>Sphaerodorum gracile</u> (as <u>Ephesia gracilis</u>)	<u>Strongylocentrotus droebachiensis</u>
<u>Terebellides stroemi</u>	ECHINODERMATA: Holothuroidea
ARTHROPODA: Amphipoda	<u>Myriotrochus rinki</u>
<u>Ampelisca eschrichti</u>	ECHINODERMATA: Ophiuroidea
<u>Anonyx nugax</u>	<u>Gorgonocephalus arcticus</u>
<u>Bathymedon obtusifrons</u>	<u>Ophiacantha bidentata</u>
<u>Boekosimus plautus</u> (as <u>Onisimus</u>)	<u>Ophiura robusta</u>
<u>Byblis gaimardi</u>	<u>Ophiura sarsi</u>
<u>Ericthonius tolli</u>	ECTOPROCTA
<u>Goesia depressa</u>	<u>Porella acutirostris</u>
<u>Haplooops tubicola</u>	<u>Reginella spitzbergensis</u>
<u>Ischyrocerus anguipes</u>	<u>Smittina majuscula</u>
<u>Ischyrocerus commensalis</u>	
<u>Ischyrocerus latipes</u>	
<u>Ischyrocerus nanoides</u>	
<u>Metopa hearni</u>	
<u>Orchomene minuta</u> (as <u>Orchomenella</u>)	
<u>Paroedicerus lynceus</u>	
<u>Paronesimus barentsi</u>	
<u>Photis tenuicornis</u>	
<u>Pleustes medius</u>	
<u>Protomedieia grandimana</u>	
<u>Rhachotropis aculeata</u> (as <u>Rachotropis</u>)	

Table 48. Continued.

Species
MOLLUSCA:Gastropoda
<u>Cylichna alba</u>
<u>Lepeta caeca</u>
<u>Lunatia pallida</u>
<u>Margarites costalis</u>
<u>Tachyrhynchus erosus</u>
<u>Tachyrhynchus reticulatus</u>
MOLLUSCA:Pelecypoda
<u>Astarte borealis</u>
<u>Astarte montagui</u> (f. <u>striata</u> & <u>warhami</u>)
<u>Clinocardium ciliatum</u>
<u>Cyclocardia borealis</u> (as <u>Venericardia</u>)
<u>Macoma calcarea</u>
<u>Musculus niger</u>
<u>Mya truncata</u> (f. <u>uddevalensis</u>)
<u>Nuculana minuta</u>
<u>Nuculana pernula</u>
<u>Thyasira gouldi</u>
<u>Yoldia hyperborea</u>
SIPUNCULA
<u>Golfingia eremita</u>

Table 49. Benthic invertebrates collected by trawl, dredge and net from station 103, 6, 7 Jul and 7 Aug 1949.

Species	Species
ANELIDA: Polychaeta	ARTHROPODA: Decapoda
<u>Autolytus alexandri</u> (as <u>A. verrilli</u>)	<u>Lebbeus groenlandicus</u>
<u>Autolytus prolifer</u>	<u>Lebbeus polaris</u>
<u>Eulalia bilineata</u>	<u>Pagurus pubescens</u> (as <u>Eupagurus kroyeri</u>)
<u>Eusyllis blomstrandii</u>	<u>Pandalus montagui</u>
<u>Glycera capitata</u>	<u>Spirontocaris spinus</u>
<u>Harmothoe extenuata</u> (as <u>Lagisca rarispina</u>)	ARTHROPODA: Isopoda
<u>Harmothoe nodosa</u> (as <u>Eunoë</u>)	<u>Janira tricornis</u>
<u>Nereis pelagica</u>	<u>Munna kroyeri</u>
<u>Nicolea zostericola</u>	BRACHIOPODA
<u>Pista maculata</u>	<u>Hemithyris psittacea</u>
<u>Sabella crassicornis</u> (as <u>S. fabricii</u>)	CHORDATA: Ascidiacea
<u>Thelepus cincinnatus</u>	<u>Aplidium glabrum</u>
<u>Tomopteris planktonis</u>	<u>Ascidia callosa</u>
ARTHROPODA: Amphipoda	<u>Boltenia ovifera</u>
<u>Amphithopsis longicaudata</u>	<u>Dendrodoa</u> sp.
<u>Apherusa glacialis</u>	<u>Didemnum albidum</u>
<u>Arctopleustes glabricauda</u> (as <u>Parapleustes</u>)	<u>Kukenthalia borealis</u>
<u>Ericthonius tolli</u>	<u>Polycitor vitreus</u>
<u>Eusirus cuspidatus</u>	COELENTERATA: Anthozoa
<u>Gammarellus homari</u>	<u>Drifa glomerata</u>
<u>Haploops setosa</u>	<u>Hormathia nodosa</u>
<u>Ischyrocerus anguipes</u>	<u>Stomphia coccinea</u>
<u>Ischyrocerus commensalis</u>	<u>Tealia felina</u>
<u>Ischyrocerus latipes</u>	COELENTERATA: Hydrozoa
<u>Metopa alderi</u>	<u>Campanularia volubilis</u>
<u>Metopa longicornis</u>	<u>Eudendrium tenellum</u>
<u>Metopa norvegica</u>	<u>Halecium tabrosum</u>
<u>Metopella longimana</u>	<u>Lafoea fruticosa</u>
<u>Neopleustes pulchellus</u> (as <u>Parapleustes</u>)	<u>Tetrapoma quadridentatum</u>
<u>Odius carinatus</u>	ECHINODERMATA: Asteroidea
<u>Parapleustes assimilis</u>	<u>Henricia eschrichtii</u>
<u>Pleusymtes glabroides</u> (as <u>Symplesustes</u>)	<u>Leptasterias groenlandica</u>
<u>Stegocephalus inflatus</u>	<u>Solaster papposus</u>
<u>Tryphosella orchomenoides</u> (as <u>Tmetonyx</u>)	<u>Solaster syrtensis</u> (as <u>S. endeca</u>)
ARTHROPODA: Cirripedia	<u>Stephanasterias albula</u>
<u>Balanus balanus</u>	ECHINODERMATA: Crinoidea
ARTHROPODA: Decapoda	<u>Helio metra glacialis</u>
<u>Eualus fabricii</u>	
<u>Eualus gaimardi</u>	
<u>Eualus g. belcheri</u>	
<u>Hyas coarctatus</u>	

Table 49. Continued.

Species

ECHINODERMATA:Echinoidea

Strongylocentrotus droebachiensis

ECHINODERMATA:Ophiuroidea

Gorgonocephalus arcticusOphiacantha bidentataOphiotholus aculeataOphiura robusta

ECTOPROCTA

Alcyonidium gelatinosumCelleporina surcularisCelleporina ventricosaDoryporella spathuliferaElectra arcticaEscharella ventricosaHincksipora spinuliferaHippoporella hippopusHippoporina propinquuaPorella smittiPosterula sarsiReginella spitzbergensisSecuriflustra securifronsSmittina rigida

MOLLUSCA:Amphineura

Ischnochiton albus (as Lophyrochiton)

MOLLUSCA:Gastropoda

Astyris rosaceaBoreotrophon fabriciiBoreotrophon truncatusBuccinum glaciale (cf. hancocki)Colus spitzbergensisMargarites groenlandicusMargarites umbilicalisTachyrhynchus reticulatus

MOLLUSCA:Pelecypoda

Crenella fabaHiatella arcticaMusculus discors (f. substriatus)Nuculana minuta

PORIFERA

Homoeodictya palmataMycale linguaPhakettia arctica

Table 50. Benthic invertebrates collected by dredge from station 106, 7 Jul 1949.

Species	Species
ANNELEIDA: Polychaeta	ECTOPROCTA
<u>Harmothoe extenuata</u> (as <u>Lagisca rarispina</u>)	<u>Celleporina ventricosa</u>
<u>Harmothoe nodosa</u> (as <u>Eunoë</u>)	<u>Electra arctica</u>
<u>Thelepus cincinnatus</u>	<u>Escharella abyssicola</u>
ARTHROPODA: Amphipoda	<u>Escharella immersa</u>
<u>Ericthonius tolli</u>	<u>Escharella thompsoni</u>
<u>Haploops tubicola</u>	<u>Escharella ventricosa</u>
<u>Metopa norvegica</u>	<u>Hincksipora spinulifera</u>
ARTHROPODA: Decapoda	<u>Hippothoa hyalina</u>
<u>Lebbeus groenlandicus</u>	<u>Lepraliella contigua</u>
<u>Lebbeus polaris</u>	<u>Myriapora coarctica</u>
<u>Pagurus pubescens</u> (as <u>Eupagurus kroyeri</u>)	<u>Myriapora subgracilis</u>
<u>Spirontocaris spinus</u>	<u>Porella compressa</u>
BRACHIOPODA	<u>Schizoporella obesa</u>
<u>Hemithyris psittacea</u>	<u>Securiflustra securifrons</u>
COELENTERATA: Hydrozoa	<u>Stomachetosella limbata</u>
<u>Sertularella tricuspidata</u>	<u>Stomachetosella sinuosa</u>
ECHINODERMATA: Asteroidea	MOLLUSCA: Amphineura
<u>Henricia eschrichtii</u>	<u>Ischnochiton albus</u> (as <u>Lophyrochiton</u>)
<u>Leptasterias polaris</u> (as <u>Asterias</u>)	MOLLUSCA: Gastropoda
ECHINODERMATA: Crinoidea	<u>Lepeta caeca</u>
<u>Heliometra glacialis</u>	<u>Margarites costalis</u>
ECHINODERMATA: Echinoidea	<u>Tachyrhynchus reticulatus</u>
<u>Strongylocentrotus droebachiensis</u>	MOLLUSCA: Pelecypoda
ECHINODERMATA: Holothuroidea	<u>Cyclocardia borealis</u> (as <u>Venericardia</u>)
<u>Psolus fabricii</u>	<u>Hiatella arctica</u>
ECHINODERMATA: Ophiuroidea	<u>Musculus corrugatus</u>
<u>Gorgonocephalus arcticus</u>	
<u>Ophiura robusta</u>	

Table 51. Benthic invertebrates collected by dredge from station 107, 7 Jul 1949.

Species	Species
ANNELIDA: Polychaeta	ECHINODERMATA: Ophiuroidea
<u>Ammotrypane aulogaster</u>	<u>Ophiura sarsi</u>
<u>Eteone longa</u>	ECTOPROCTA
<u>Harmothoe extenuata</u> (as <u>Lagisca rarispina</u>)	<u>Celleporina surcularis</u>
<u>Lumbrineris fragilis</u> (as <u>Lumbrinereis</u>)	<u>Celleporina ventricosa</u>
<u>Maldane sarsi</u>	MOLLUSCA: Gastropoda
<u>Melinna cristata</u>	<u>Boreotrophon fabricii</u>
<u>Nephrys ciliata</u> (as <u>Nephthys</u>)	<u>Buccinum scalariforme</u> (as <u>B. tenuis</u>)
<u>Nereis pelagica</u>	<u>Cotus spitzbergensis</u>
<u>Onuphis conchylega</u>	<u>Lepeta caeca</u>
<u>Owenia fusiformis</u>	<u>Natica clausa</u>
<u>Pherusa plumosa</u> (as <u>Stylarioides</u>)	<u>Tachyrhynchus reticulatus</u>
<u>Phyllodoce groenlandica</u>	<u>Trichotropis borealis</u>
<u>Scoloplos armiger</u>	MOLLUSCA: Pelecypoda
<u>Terebellides stroemi</u>	<u>Astarte borealis</u> (f. <u>placenta</u>)
<u>Thelepus cincinnatus</u>	<u>Cyclocardia borealis</u> (as <u>Venericardia</u>)
ARTHROPODA: Amphipoda	<u>Macoma calcarea</u>
<u>Ampelisca eschrichti</u>	<u>Musculus discors</u> (f. <u>laevigatus</u>)
<u>Byblis gaimardi</u>	<u>Musculus niger</u>
<u>Haploops tubicola</u>	<u>Mya truncata</u> (and f. <u>ovata</u>)
<u>Rhachotropis acuteata</u> (as <u>Rachotropis</u>)	<u>Nuculana minuta</u>
ARTHROPODA: Decapoda	SIPUNCULA
<u>Argis dentata</u>	<u>Golfingia margaritacea</u>
<u>Eualus fabricii</u>	
<u>Eualus macilentus</u>	
<u>Hyas coarctatus</u>	
<u>Lebbeus polaris</u>	
<u>Pagurus pubescens</u> (as <u>Eupagurus kroyeri</u>)	
<u>Pandalus montagui</u>	
<u>Spirontocaris spinus</u>	
CHORDATA: Ascidiacea	
<u>Boltenia ovifera</u>	
<u>Halocynthia pyriformis</u>	
COELENTERATA: Anthozoa	
<u>Actinostola spetsbergensis</u>	
ECHINODERMATA: Asteroidea	
<u>Leptasterias polaris</u> (as <u>Asterias</u>)	
ECHINODERMATA: Holothuroidea	
<u>Cucumaria frondosa</u> (as <u>C. japonica</u>)	
<u>Myriotrochus rinki</u>	

Table 52. Benthic invertebrates collected by hand from station 107A, 9 Jul 1949.

Species
ARTHROPODA:Amphipoda
<u>Gammarus setosus</u>
<u>Onisimus litoralis</u> (as <u>Pseudalibrotus litoralis</u>)
ARTHROPODA:Cirripedia
<u>Balanus balanoides</u> ?
MOLLUSCA:Gastropoda
<u>Littorina saxatilis</u> ?

Table 53. Benthic invertebrates collected by hand from station at Mission Cove, 10 Jul 1949.

Species
ARTHROPODA:Amphipoda
<u>Gammarus oceanicus</u> ?
<u>Gammarus setosus</u> ?
<u>Onisimus litoralis</u> (as <u>Pseudalibrotus litoralis</u>)
ARTHROPODA:Cirripedia
<u>Balanus balanoides</u> ?
COELENTERATA:Anthozoa
<u>Tealia felina</u>
MOLLUSCA:Gastropoda
<u>Littorina saxatilis</u>

Table 54. Benthic invertebrates collected by hand from station 107B, 11 Jul 1949.

Species

ARTHROPODA:Amphipoda

Gammarus oceanicus (as G. zaddachi oceanicus)

Gammarus wilkitzkii

Onisimus littoralis (as Pseudalibrotus littoralis)

ARTHROPODA:Cirripedia

Balanus balanoides ?

MOLLUSCA:Gastropoda

Littorina saxatilis ?

MOLLUSCA:Pelecypoda

Mytilus edulis

Table 55. Benthic invertebrates collected by net from station 109, 16 Jul 1949.

Species

COELENTERATA:Hydrozoa

Sertularella polyzonias

Table 56. Benthic intertebrates collected by hand from station 112, 18 Jul 1949.

Species

ARTHROPODA:Amphipoda

Gammarus oceanicus (as G. zaddachi oceanicus)

Gammarus setosus

ARTHROPODA:Cirripedia

Balanus balanoides ?

MOLLUSCA:Gastropoda

Littorina saxatilis

Table 57. Benthic invertebrates collected by net and line from station 124, 20 Jul 1949.

Species
ANNELIDA:Polychaeta
<u>Nereis pelagica</u>
ARTHROPODA:Amphipoda
<u>Anonyx nugax</u>
<u>Boecksimus edwardsi</u> (as <u>Onisimus</u>)
<u>Gammarellus homari</u>
<u>Ischyrocerus anguipes</u>
<u>Oediceros saginatus</u>
<u>Paroedicerous lynceus</u>
<u>Pontogeneia inermis</u>
<u>Westwoodilla brevicalcar</u>
ARTHROPODA:Decapoda
<u>Eualus fabricii</u>
<u>Lebbeus polaris</u>

Table 58. Benthic invertebrates collected by line from station 125A, 23 and 24 Aug 1949.

Species
ARTHROPODA:Amphipoda
<u>Anonyx nugax</u>
<u>Boecksimus edwardsi</u> (as <u>Onisimus</u>)
<u>Calliopius laeviusculus</u>
<u>Orchomene pinguis</u> (as <u>Orchomenella</u>)
ECHINODERMATA:Astroidea
<u>Henricia eschrichti</u>
MOLLUSCA:Gastropoda
<u>Buccinum cyaneum</u>
<u>Buccinum glaciale</u> (cf. hancocki)

Table 59. Benthic invertebrates collected by dredge from station 126, 23 Aug 1949.

Species	Species
ANNELIDA: Polychaeta <u>Harmothoe nodosa</u> (as <u>Eunoe</u>) <u>Lanassa venusta</u> <u>Nereis pelagica</u> <u>Onuphis conchylega</u> <u>Thelepus cincinnatus</u>	ECHINODERMATA: Asteroidea <u>Henricia eschrichti</u> <u>Leptasterias polaris</u> <u>Pteraster militaris</u> <u>Solaster papposus</u>
ARTHROPODA: Amphipoda <u>Ampelisca eschrichti</u> <u>Anonyx nugax</u> <u>Ericthonius tolli</u> <u>Melita dentata</u>	ECHINODERMATA: Crinoidea <u>Heliomitra glacialis</u>
ARTHROPODA: Cirripedia <u>Balanus balanus</u>	ECHINODERMATA: Echinoidea <u>Strongylocentrotus droebachiensis</u>
ARTHROPODA: Decapoda <u>Argis dentata</u> <u>Eualus fabricii</u> <u>Lebbeus groenlandicus</u> <u>Lebbeus polaris</u> <u>Hyas coarctatus</u> <u>Pagurus pubescens</u> (as <u>Eupagurus kroyeri</u>) <u>Sclerocrangon boreas</u> <u>Spirontocaris phippsi</u> <u>Spirontocaris spinus</u>	ECHINODERMATA: Holothuroidea <u>Psolus fabricii</u>
CHORDATA: Ascidiacea <u>Ascidia callosa</u> <u>Boltenia echinata</u> <u>Boltenia ovifera</u> <u>Botrylloides aureum</u> <u>Halocynthia pyriformis</u>	ECTOPROCTA <u>Bidenkapia spitzbergensis</u> <u>Calloporella craticula</u> <u>Escharella ventricosa</u> <u>Hippoporina propinqua</u> <u>Hippoporina reticulatopunctata</u> <u>Lepraliella contigua</u> <u>Membranipora serrulata</u> <u>Microporella ciliata</u> <u>Myriozoella plana</u> <u>Porella minuta</u> <u>Posteria sarsi</u> <u>Reginella spitzbergensis</u> <u>Rhamphostomella hincksi</u> <u>Schizoporella obesa</u> <u>Smittina groenlandica</u> <u>Smittina rigida</u> <u>Stephanosella biaperta</u>
COELENTERATA: Anthozoa <u>Actinostola spetsbergensis</u> <u>Gersemia rubiformis</u> <u>Stomphia coccinea</u>	
COELENTERATA: Hydrozoa <u>Abietinaria abietina</u> <u>Calycella syringa</u> <u>Campanularia volubilis</u> <u>Filellum serpens</u> <u>Sertularella tricuspidata</u> <u>Sertularia schmidti</u>	MOLLUSCA: Gastropoda <u>Boreotrophon fabricii</u> <u>Buccinum scalariforme</u> (as <u>B. tenuue</u>) <u>Margarites costalis</u> <u>Tachyrhynchus reticulatus</u>

Table 59. Continued.

Species
MOLLUSCA:Pelecypoda
<u>Astarte borealis</u> (f. <u>typica</u>)
<u>Astarte montagui</u> (f. <u>globosa</u>)
<u>Chlamys islandica</u>
<u>Clinocardium ciliatum</u>
<u>Cyrtocardia borealis</u> (as <u>Venericardia</u>)
<u>Hiatella arctica</u>
<u>Musculus discors</u> (f. <u>substriatus</u>)
PORIFERA
<u>Phakettia cribrosa</u>

Table 60. Benthic invertebrates collected by net from station 128, 24 Aug 1949.

Species

ARTHROPODA:Decapoda

Eualus fabricii

Lebbeus polaris

Spirontocaris spinus

ARTHROPODA:Amphipoda

Weyprechtia pinguis

Table 61. Benthic invertebrates collected by net from station 129, 25 Aug 1949.

Species

ANNELIDA:Polychaeta

Autolytus prismaticus

ARTHROPODA:Pycnogonida

Nymphon brevitarse

MOLLUSCA:Gastropoda

Lunatia pallida

Table 62. Benthic invertebrates collected by hand from station 201A, 27 Jun 1950.

Species

ARTHROPODA:Amphipoda
Gammarus setosus

ARTHROPODA:Cirripedia
Balanus balanoides ?

MOLLUSCA:Gastropoda
Littorina saxatilis

Table 63. Benthic invertebrates collected by hand from station 201B, 28 Jun 1950.

Species

ARTHROPODA:Amphipoda
Ampelisca eschrichtii
Arrhis phyllonyx
Ericthonius tolli
Monoculodes longirostris
Paroedicerus lynceus

ARTHROPODA:Cirripedia
Balanus balanoides ?

Table 64. Benthic invertebrates collected by dredge from station 201C, 29 Jun 1950.

Species	Species
ANNELIDA: Polychaeta	ECTOPROCTA
<u>Amphitrite groenlandica</u>	<u>Bidenkapia spitzbergensis</u>
<u>Autolytus alexandri</u> (as <u>A. verrilli</u>)	<u>Cauloramphus cymbaeformis</u>
<u>Harmothoe nodosa</u> (as <u>Eunoë</u>)	<u>Cystisella saccata</u>
<u>Lumbrineris fragilis</u> (as <u>Lumbrinereis</u>)	<u>Hippoporina propinqua</u>
<u>Maldane sarsi</u>	<u>Hippoporina reticulatopunctata</u>
<u>Nephtys ciliata</u> (as <u>Nephthys</u>)	<u>Membranipora serrulata</u>
<u>Terebellides stroemi</u>	<u>Rhamphostomella bilaminata</u>
<u>Umbonula arctica</u>	
ARTHROPODA: Amphipoda	MOLLUSCA: Amphineura
<u>Aeginina longicornis</u>	<u>Ischnochiton albus</u> (as <u>Lophyrochiton</u>)
<u>Ampelisca eschrichti</u>	
<u>Anonyx nugax</u>	
<u>Gammarus oceanicus</u> (as <u>G. zaddachi</u> <u>oceanicus</u>)	
<u>Haplooops tubicola</u>	
ARTHROPODA: Decapoda	MOLLUSCA: Gastropoda
<u>Argis dentata</u>	<u>Buccinum scalariforme</u> (as <u>B. tenué</u>)
<u>Eualus gaimardi</u>	<u>Buccinum totteni</u>
<u>Pagurus pubescens</u> (as <u>Eupagurus</u> <u>kroyeri</u>)	<u>Lunatia pallida</u>
<u>Sabinea septemcarinata</u>	<u>Natica clausa</u>
<u>Spirontocaris spinus</u>	<u>Trichotropis borealis</u>
COELENTERATA: Hydrozoa	MOLLUSCA: Pelecypoda
<u>Calycella syringa</u>	<u>Clinocardium ciliatum</u>
<u>Campanularia volubilis</u>	<u>Hiatella arctica</u>
<u>Eudendrium rameum</u>	<u>Musculus corrugatus</u>
<u>Filellum serpens</u>	<u>Musculus niger</u>
<u>Sertularella tricuspidata</u>	<u>Nuculana pernula</u>
<u>Sertularia schmidtii</u>	<u>Yoldia hyperborea</u>
ECHINODERMATA: Asteroidea	
<u>Ctenodiscus crispatus</u>	
<u>Leptasterias groenlandica</u>	
<u>Solaster endeca</u>	
<u>Urasterias lincki</u>	
ECHINODERMATA: Holothuroidea	
<u>Myriotrochus rinki</u>	

Table 65. Benthic invertebrates collected by dredge from station 203, 8 Jul 1950.

Species	Species
ANNELIDA: Polychaeta	ARTHROPODA: Decapoda
<u>Asabellides sibirica</u> (as <u>Pseudosabellides littoralis</u>)	<u>Argis dentata</u>
<u>Chone infundibuliformis</u>	<u>Eualus fabricii</u>
<u>Euchone analis</u>	<u>Hyas coarctatus</u>
<u>Flabelligera affinis</u>	<u>Lebbeus groenlandicus</u>
<u>Gattyana cirrosa</u>	<u>Pagurus pubescens</u> (as <u>Eupagurus kroyeri</u>)
<u>Harmothoe extenuata</u> (as <u>Lagisca rarispina</u>)	<u>Sclerocrangon boreas</u>
<u>Harmothoe imbricata</u>	<u>Spirontocaris spinus</u>
<u>Harmothoe oerstedi</u>	ARTHROPODA: Isopoda
<u>Nereis pelagica</u>	<u>Arcturus baffini</u>
<u>Pectinaria granulata</u> (as <u>Cistenides</u>)	<u>Mesidotea sabini</u>
<u>Phyllodoce groenlandica</u>	ARTHROPODA: Pycnogonida
<u>Pista flexuosa</u>	<u>Eurycyde hispida</u>
<u>Polyphysia crassa</u> (as <u>Eumenia</u>)	<u>Nymphon grossipes</u>
<u>Sabella crassicornis</u> (as <u>S. fabricii</u>)	CHORDATA: Ascidiacea
<u>Scalibregma inflatum</u>	<u>Ascidia callosa</u>
ARTHROPODA: Amphipoda	<u>Boltenia ovifera</u>
<u>Aeginina longicornis</u>	<u>Cnemidocarpa rhizopus</u>
<u>Ampelisca eschrichti</u>	<u>Dendrodoa aggregata</u>
<u>Apherusa glacialis</u>	COELENTERATA: Anthozoa
<u>Caprella septentrionalis</u>	<u>Drifa glomerata</u>
<u>Dulichia spinosissima</u>	<u>Tealia felina</u>
<u>Erithonius tolli</u>	COELENTERATA: Hydrozoa
<u>Ischyrocerus anguipes</u>	<u>Calycella syringa</u>
<u>Ischyrocerus latipes</u>	<u>Campanularia groenlandica</u>
<u>Metopa glacialis</u> (as <u>M. cariana</u>)	<u>Campanularia integra</u>
<u>Onisimus litoralis</u> (as <u>Pseudalibrotus</u> <u>litoralis</u>)	<u>Campanularia volubilis</u>
<u>Orchomene macroserrata</u>	<u>Obelia longissima</u>
<u>Paramphithoe hystrix</u>	<u>Sarsia tubulosa</u>
<u>Paroedicerous lynceus</u>	<u>Sertularella tricuspidata</u>
<u>Rhachotropis aculeata</u> (as <u>Rachotropis</u>)	<u>Sertularia schmidti</u>
<u>Socarnes bidenticulatus</u>	<u>Sertularia similis</u>
ARTHROPODA: Cumacea	<u>Sertularia tenera</u>
<u>Diastylis rathkei</u>	

Table 65. Continued.

Species

ECHINODERMATA: Asteroidea

Henricia eschrichtiLeptasterias groenlandica

ECHINODERMATA: Holothuroidea

Cucumaria frondosa (as C. japonica)Myriotrochus rinkiPsolus fabricii

ECHINODERMATA: Ophiuroidea

Gorgonocephalus arcticusOphiacantha bidentata

ECTOPROCTA

Cauloramphus cymbaeformisHincksina nigransHippothoa hyalinaLichenopora hispidaMyriozoella planaPorella minutaRhamphostomella bilaminataRhamphostomella costataStomachetosella cruentaTegella arcticaTegella armiferaUmbonula arctica

MOLLUSCA: Gastropoda

Boreotrophon fabriciiBuccinum glacialeBuccinum scalariforme (as B. tenue)Buccinum totteniNeptunea herosOenopota elegansOnchidiopsis kingmaruensis ?Plicifusus kroyeriVelutina undata

MOLLUSCA: Pelecypoda

Astarte borealis (f. placenta & typica)Crenella fabaMusculus corrugatusMusculus discors (f. laevigatus)

PORIFERA

Phakettia ventilabrumPhakettia sp.

Table 66. Benthic invertebrates collected by hand from station 204, 9 Jul 1950.

Species

ARTHROPODA:Amphipoda

Gammarus oceanicus ?
Gammarus setosus ?

ARTHROPODA:Cirripedia

Balanus balanoides ?

ARTHROPODA:Decapoda

Hyas coarctatus

MOLLUSCA:Gastropoda

Littorina saxatilis

Table 67. Benthic invertebrates collected by hand from station 205, 16 Jul 1950.

Species

ARTHROPODA:Amphipoda

Gammarus oceanicus (as G. zaddachi oceanicus)
Gammarus setosus

MOLLUSCA:Gastropoda

Littorina saxatilis

Table 68. Benthic intertebrates collected by net from station 205B, 16 Jul 1950.

Species

ARTHROPODA:Decapoda

Lebbeus groenlandicus
Sclerocrangon boreas

Table 69. Benthic invertebrates collected by dredge from station 206, 15 Jul 1950.

Species

ANNELIDA: Polychaeta

Harmothoe extenuata (as Lagisca rarispina)
Thelepus cincinnatus

ARTHROPODA: Amphipoda

Ischyrocerus anguipes

ARTHROPODA: Decapoda

Eualus fabricii
Hyas coarctatus
Lebbeus polaris

BRACHIOPODA

Hemithyris psittacea

COELENTERATA: Hydrozoa

Sertularia schmidti

ECHINODERMATA: Asteroidea

Leptasterias groenlandica
Solaster papposus

ECHINODERMATA: Echinoidea

Strongylocentrotus droebachiensis

ECHINODERMATA: Ophiuroidea

Gorgonocephalus arcticus
Ophiacantha bidentata
Ophiotholus aculeata

ECTOPROCTA

Celleporina ventricosa
Escharella immersa
Schizoporella obesa

Table 70. Benthic invertebrates collected by hand from station 224A, 18 Aug 1950.

Species

ARTHROPODA:Amphipoda
Gammarus setosus

ARTHROPODA:Cirripedia
Balanus balanoides

MOLLUSCA:Gastropoda
Littorina saxatilis

MOLLUSCA:Pelecypoda
Crenella faba
Mytilus edulis

Table 71. Benthic invertebrates collected by net from station 228, 25 Aug 1950.

Species

ARTHROPODA:Amphipoda
Pontogeneia inermis

ARTHROPODA:Cumacea
Diastylis rathkei

Table 72. Benthic invertebrates collected by net from station 229, 26 Aug 1950.

Species	Species
ANNELEIDA: Polychaeta	ECTOPROCTA
<u>Autolytus prismaticus</u>	<u>Phidolopora elongata</u>
<u>Capitella capitata</u>	<u>Porella concinna</u>
<u>Eteone longa</u>	<u>Rhamphostomella hincksi</u>
<u>Phyllodoce groenlandica</u>	<u>Schizomavella porifera</u>
COELENTERATA: Hydrozoa	
<u>Calycella gracilis</u>	
<u>Rhizogeton nudus</u>	
<u>Sertularia mirabilis</u>	
<u>Sertularia similis</u>	
ECTOPROCTA	
<u>Celleporina surcularis</u>	
<u>Cheilopora sincera</u>	
<u>Idmonea atlantica</u>	
<u>Microporina articulata</u>	
<u>Myriapora subgracila</u>	
<u>Myriozella plana</u>	

Table 73. Benthic invertebrates collected by hand from station 229B, 28 Aug 1950.

Species
ARTHROPODA: Amphipoda
<u>Boeckosimus affinis</u> (as <u>Onisimus affinis</u>)
<u>Gammarus oceanicus</u> (as <u>G. zaddachi oceanicus</u>)
<u>Onisimus littoralis</u> (as <u>Pseudalibrotus littoralis</u>)
ARTHROPODA: Cirripedia
<u>Balanus balanoides</u>
COELENTERATA: Anthozoa
<u>Tealia felina</u>
MOLLUSCA: Gastropoda
<u>Littorina saxatilis</u>
<u>Margarites helicinus</u>
MOLLUSCA: Pelecypoda
<u>Hiatella arctica</u>

Table 74. Benthic invertebrates collected by dredge from station 231, 27 Aug 1950.

Species	Species
ANNELIDA: Polychaeta	ECHINODERMATA: Ophiuroidea
<u>Ampharete acutifrons</u> (as <u>A. grubei</u>)	<u>Gorgonocephalus arcticus</u>
<u>Amphicteis sundevalli</u>	<u>Ophiacantha bidentata</u>
<u>Autolytus prolifer</u>	<u>Ophiura robusta</u>
<u>Harmothoe extenuata</u> (as <u>Lagisca rarispina</u>)	<u>Ophiura sarsi</u>
<u>Harmothoe nodosa</u> (as <u>Eunoe</u>)	ECTOPROCTA
<u>Lumbrineris fragilis</u> (as <u>Lumbrinereis</u>)	<u>Myriozoella plana</u>
<u>Lysippe labiata</u>	<u>Porella compressa</u>
<u>Maldane sarsi</u>	<u>Reginella spitzbergensis</u>
<u>Melinna cristata</u>	<u>Securiflustra securifrons</u>
<u>Nephrys ciliata</u> (as <u>Nephthys</u>)	<u>Smittina mucronata</u>
<u>Nephys longosetosa</u> ? (as <u>Nephthys</u>)	MOLLUSCA: Gastropoda
<u>Owenia fusiformis</u>	<u>Astyris rosacea</u>
<u>Pectinaria hyperborea</u> (as <u>Cistenides</u>)	<u>Buccinum glaciale</u> (cf. <u>hancocki</u>)
<u>Terebellides stroemi</u>	<u>Buccinum scalariforme</u> (as <u>B. tenuie</u>)
ARTHROPODA: Amphipoda	<u>Buccinum undatum</u>
<u>Aeginina longicornis</u>	<u>Capulacmaea radiata</u>
<u>Ampelisca eschrichtii</u>	<u>Colus islandicus</u>
<u>Anonyx nugax</u>	<u>Cyllichna alba</u>
<u>Byblis gaimardi</u>	<u>Oenopota turricula</u>
<u>Erithonius tolli</u>	<u>Velutina undata</u>
<u>Eusirus cuspidatus</u>	MOLLUSCA: Pelecypoda
<u>Haploops tubicola</u>	<u>Astarte borealis</u> (f. <u>typica</u>)
<u>Ischyrocerus latipes</u>	<u>Astarte montagui</u> (f. <u>warhami</u>)
<u>Metopa glacialis</u> (as <u>M. cariana</u>)	<u>Cyclocardia borealis</u> (as <u>Venericardia</u>)
<u>Socarnes bidenticulatus</u>	<u>Hiatella arctica</u>
<u>Socarnes vahli</u>	<u>Macoma calcarea</u>
ARTHROPODA: Cumacea	<u>Macoma moesta</u>
<u>Diastylis rathkei</u>	<u>Musculus discors</u> (f. <u>laevigatus</u>)
ARTHROPODA: Decapoda	<u>Musculus niger</u>
<u>Pagurus pubescens</u> (as <u>Eupagurus kroyeri</u>)	<u>Nuculana pernula</u>
BRACHIOPODA	<u>Serripes groenlandicus</u>
<u>Hemithyris psittacea</u>	PORIFERA
COELENTERATA: Anthozoa	<u>Lissodendoryx indistincta</u>
<u>Tealia felina</u>	SINPUNCULA
COELENTERATA: Hydrozoa	<u>Golfingia margaritacea</u>
<u>Gonothryaea loveni</u>	
<u>Sertularia schmidti</u>	

Table 75. Benthic invertebrates collected by net from station 232, 27 Aug 1950.

Species

CHORDATA:Asciidiacea

Cnemidocarpa finmarkiensis

ECTOPROCTA

Escharella connectens

Myriapora subgracila

Porella compressa

Posterula sarsi

Rhamphostomella costata

Schizomavella porifera

Tricellaria gracilis

MOLLUSCA:Gastropoda

Admete couthouyi

Cylichna alba

Lepeta caeca

Margarites costalis

Margarites umbilicalis

Trichotropis bicarinata

Trichotropis conica

MOLLUSCA:Pelecypoda

Clinocardium ciliatum

Cyclocardia borealis (as Venericardia)

Musculus discors (f. substriatus)

Table 76. Benthic invertebrates collected by net from station 234, 31 Aug 1950.

Species

ANNELIDA: Polychaeta

Chaetozone setosa

Harmothoe imbricata

ARTHROPODA: Amphipoda

Aceroides l. latipes

Ampelisca eschrichti

Arrhis phyllonyx

Bathymedon obtusifrons

Ericthonius tolli

Ischyrocerus anguipes

Monoculodes latimanus

Neopleustes pulchellus (as Parapleustes)

Pardalisca cuspidata

Paroedicerus lynceus

Pontogeneia inermis

Protomedieia grandimana

Rhachotropis oculata (as Rachotropis)

Tryphosella orchomenoides (as Tmetonyx)

ARTHROPODA: Cumacea

Diastylis rathkei

ARTHROPODA: Decapoda

Eualus gaimardi

COELENTERATA: Anthozoa

Tealia felina

ECHINODERMATA: Asteroidea

Leptasterias groenlandica

ECHINODERMATA: Holothuroidea

Myriotrechus rinki

ECHINODERMATA: Ophiuroidea

Ophiacantha bidentata

MOLLUSCA: Gastropoda

Buccinum scalariforme (as B. tenuis)

MOLLUSCA: Pelecypoda

Crenella faba

Hiatella arctica

Nucula bellotti

Yoldia hyperborea

Table 77. Benthic invertebrates collected by hand from station 235, 1 Sep 1950.

Species

ARTHROPODA:Amphipoda

Gammarus oceanicus (as G. zaddachi oceanicus)
Gammarus setosus

MOLLUSCA:Gastropoda

Acmaea testudinalis
Littorina saxatilis

Table 78. Benthic invertebrates collected by net from station 301, 3 Jul 1951.

Species

ANNELIDA:Polychaeta

Autolytus alexandri (as A. verrilli)
Eteone longa

ARTHROPODA:Amphipoda

Ischyrocerus latipes

Table 79. Benthic intertebrates collected by net from station 304, 23 Jul 1951.

Species

ARTHROPODA:Amphipoda

Calliopius laeviusculus