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## **Benthic invertebrates collected from the western Canadian Arctic, 1951 to 1985**

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Arctic Biological Station

Department of Fisheries and Oceans

Quebec Region

March 1989

**Canadian Data Report of  
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No. 745**

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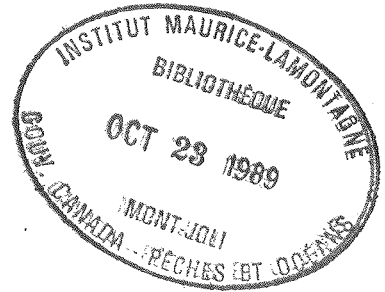
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BENTHIC INVERTEBRATES COLLECTED FROM THE  
WESTERN CANADIAN ARCTIC, 1951 TO 1985

by

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## ABSTRACT

Atkinson, E.G. and J.W. Wacasey. 1989. Benthic invertebrates collected from the western Canadian Arctic, 1951 to 1985. Can. Data Rep. Fish. Aquat. Sci.: 745. iv + 132 p.

Tabulations of benthic invertebrates are provided for a total of 159 stations sampled in the Beaufort Sea-Amundsen Gulf and Bathurst Inlet-Dease Strait areas by the Arctic Unit of the Fisheries Research Board of Canada, now the Arctic Biological Station of the Department of Fisheries and Oceans, between 1951 and 1965. A total of 434 species are listed. Density, biomass and caloric equivalents are provided for some stations.

Key words: Benthos, benthic environment, marine invertebrates, distribution, Arctic Canada, Beaufort Sea.

## RÉSUMÉ

Atkinson, E.G. and J.W. Wacasey. 1989. Benthic invertebrates collected from the western Canadian Arctic, 1951 to 1985. Can. Data Rep. Fish. Aquat. Sci.: 745. iv + 132 p.

Des compilations des invertébrés benthiques sont produites pour un total de 159 stations échantillonnées dans les régions Mer de Beaufort-Golfe d'Amundsen et L'inlet Bathurst-Détroit de Dease par le groupe Arctic Unit de l'Office des Recherches sur les Pêcheries du Canada, maintenant la Station de Biologie Arctique du Ministère des Pêches et des Océans, entre 1951 et 1965. Un total de 434 espèces ont été identifiées. Mesures de la densité, de la biomasse et les équivalents calorifiques sont présentés pour quelques stations.

Mots clefs: Benthos, milieu benthique, invertébrés marins, distribution, Arctique canadien, Mer de Beaufort.

## INTRODUCTION

This report contains lists of benthic invertebrates collected in the western Canadian Arctic between 1951 and 1985 by the Arctic Unit of the Fisheries Research Board of Canada, now the Arctic Biological Station of the Department of Fisheries and Oceans. Most samples were collected aboard the *MV Salvelinus* which operated primarily in the Beaufort Sea-Amundsen Gulf and Bathurst Inlet-Dease Strait areas.

Collections were made by dredge, trawl, grab, hand line, plankton net, dipnet, and by removing specimens brought up with the anchor. Intertidal sampling was done by hand and with dip nets. Most sampling was not quantitative, and since no special effort was made to retain meiofauna or microfauna, many small species are not included in the lists. Several stations, however, were sampled quantitatively by trawl or grab, and in the latter case samples were washed through a 0.5 mm mesh screen, thus retaining the majority of small species present.

The report has been divided into two sections: Part A lists invertebrates collected in the Beaufort Sea-Amundsen Gulf area and Part B those taken in the Bathurst Inlet-Dease Strait region. Each section contains maps showing station locations, tables of station coordinates and as much associated data (date, depth, time, temperature, salinity) as is available, and tables of species collected from individual stations. The latter are listed chronologically within each section, except for the following stations which have been grouped together at the end of Part B because they comprise a depth transect (5-53 m) in the same area (see Part B, Fig. 6): 68-118 a-d\*, 66-1052 to 1055\*, 67-0009\*, 69-1002\*, 65-1047, 66-0004, 67-1109, 69-1004. Stations indicated with an asterisk are quantitative; in addition to density values, estimates of biomass (as ash-

free dry weight) and caloric content are given in Tables 136-142. These have been derived from determinations of dry weight using factors given by Wacasey and Atkinson (1987). Species not represented in these stations but found in the four non-quantitative stations listed above are presented in Table 143.

A composite species list for both areas dealt with in the report has been compiled in Table 1 and for convenience has been placed immediately preceding Part A. A total of 434 species are listed: 33% were common to both areas, 26% were found only in the Beaufort Sea-Amundsen Gulf collections and 41% were taken only in the Bathurst Inlet-Dease Strait samples. The apparent differences between the two regions are at least in part due to the quantitative sampling carried out in the latter, resulting in the retention of many more smaller species than in the former. A more balanced comparison of the two areas may be obtained by referring to previously published reports on extensive quantitative sampling conducted in the Beaufort Sea (Wacasey et. al. 1977) and the Eskimo Lakes (Wacasey 1974).

Some of the material presented here has already been treated in a number of publications which, in addition to those mentioned above, are listed under References. The names of some species reported in these papers have here been changed to conform to recent literature, but the former name is given in parentheses. Identifications of species not covered in previous publications were made by the authors and others in order to present complete listings of the benthic invertebrates collected at each station. Many of the specimens have been deposited in the National Museum of Natural History, Ottawa.



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Table 1. Species of benthic invertebrates collected from all stations covered in the report. Species designated with an "A" were sampled only in the Beaufort Sea-Amundsen gulf area (Part A of report) and those with a "B" were taken only in the Bathurst Inlet-Dease Strait area (Part B). Undesignated species were common to both areas.

| Species                             |   | Species                          |   |
|-------------------------------------|---|----------------------------------|---|
| ANNELIDA Hirudinea (2 sp.)          |   | ANNELIDA: Polychaeta             |   |
| <i>Notostomum cyclostoma</i>        | B | <i>Gattyana cirrosa</i>          |   |
| Leech                               | B | <i>Glyphanostomum pallescens</i> | B |
| ANNELIDA: Oligochaeta (1 sp.)       |   | <i>Harmothoe extenuata</i>       |   |
| Enchytraeid                         | B | <i>Harmothoe imbricata</i>       |   |
| ANNELIDA: Polychaeta (108 sps.)     |   | <i>Harmothoe nodosa</i>          |   |
| <i>Aglaophamus malmgreni</i>        |   | <i>Harmothoe oerstedii</i>       | B |
| <i>Aglaophamus neotenus</i>         | B | <i>Heteromastus</i> sp.          | B |
| <i>Ammotrypane aulogaster</i>       | A | <i>Laonice cirrata</i>           | B |
| <i>Ammotrypane cylindricaudatus</i> | B | <i>Laonome kroyeri</i>           | B |
| <i>Ampharete acutifrons</i>         |   | <i>Laphania boeckii</i>          | B |
| <i>Ampharete arctica</i>            |   | <i>Leaena abranchiata</i>        | B |
| <i>Ampharete vega</i>               | A | <i>Leiochone borealis</i>        | B |
| <i>Amphicteis gunneri</i>           | B | <i>Leiochone polaris</i>         | B |
| <i>Amphitrite cirrata</i>           | B | <i>Lumbrineris fragilis</i>      |   |
| <i>Amphitrite groenlandica</i>      | B | <i>Lumbrineris minuta</i>        |   |
| <i>Antinoella badia</i>             |   | <i>Lumbrineris tenuis</i>        | B |
| <i>Antinoella sarsi</i>             |   | <i>Lysippe labiata</i>           |   |
| <i>Apistobranthus tullbergi</i>     | B | <i>Maldane sarsi</i>             |   |
| <i>Aricidea jeffreysi</i>           | B | <i>Melaenis loveni</i>           |   |
| <i>Aricidea suecica</i>             | B | <i>Melinna cristata</i>          | B |
| <i>Artacama proboscidea</i>         | A | <i>Micronephthys minuta</i>      | B |
| <i>Axiiothella catenata</i>         |   | <i>Myriochele heeri</i>          | B |
| <i>Brada villosa</i>                | B | <i>Nephtys ciliata</i>           |   |
| <i>Branchiomma infarcta</i>         |   | <i>Nephtys longosetosa</i>       | B |
| <i>Capitella capitata</i>           | B | <i>Nephtys paradoxa</i>          | B |
| <i>Chaetozone setosa</i>            | B | <i>Nereimyra aphroditoides</i>   |   |
| <i>Chaetozone</i> sp.               | B | <i>Nereis pelagica</i>           | A |
| <i>Chone infundibuliformis</i>      |   | <i>Nereis zonata</i>             |   |
| <i>Chone</i> sp.                    |   | <i>Nicolea venustula</i>         | B |
| <i>Cirratulus cirratus</i>          |   | <i>Nicomache lumbricalis</i>     | B |
| <i>Cossura longocirrata</i>         | B | <i>Nicomache quadrispinata</i>   | B |
| <i>Diplocirrus hirsutus</i>         | B | <i>Notomastus latericeus</i>     | B |
| <i>Diplocirrus longisetosus</i>     | B | <i>Onuphis conchylega</i>        |   |
| <i>Ephesiella biserealis</i>        | B | <i>Owenia fusiformis</i>         | B |
| <i>Ephesiella minuta</i>            | B | <i>Paranaitis wahlbergi</i>      |   |
| <i>Eteone flava</i>                 |   | <i>Paraonis gracilis</i>         | B |
| <i>Eteone longa</i>                 | B | <i>Pectinaria hyperborea</i>     |   |
| <i>Euchone analis</i>               | B | <i>Pectinaria granulata</i>      | A |
| <i>Euchone papillosa</i>            |   | <i>Pherusa plumosa</i>           | B |
| <i>Eucranta villosa</i>             | A | <i>Pholoe minuta</i>             | B |
| <i>Eumida</i> sp.                   | B | <i>Phyllodoce groenlandica</i>   |   |
| <i>Exogone naidina</i>              |   | <i>Pionosyllis</i> sp.           | A |
| <i>Exogone verugera</i>             | B | <i>Pista maculata</i>            |   |
| <i>Flabelligera affinis</i>         |   | <i>Polycirrus medusa</i>         | B |
|                                     |   | <i>Polydora caeca</i>            | B |
|                                     |   | <i>Polydora caulleryi</i>        | B |

Table 1. Continued.

| Species                              |   | Species                           |   |
|--------------------------------------|---|-----------------------------------|---|
| ANNELIDA: Polychaeta                 |   | ARTHROPODA: Amphipoda             |   |
| <i>Polydora quadrilobata</i>         | B | <i>Byblis gaimardi</i>            |   |
| <i>Polyphysia crassa</i>             | B | <i>Byblis</i> sp.                 | A |
| <i>Potamilla neglecta</i>            | B | <i>Corophium clarencense</i>      | A |
| <i>Praxillella affinis</i>           | B | <i>Epimeria loricata</i>          | A |
| <i>Praxillella praetermissa</i>      | B | <i>Gammaracanthus loricatus</i>   | A |
| <i>Prionospio cirrifera</i>          | B | <i>Gammarus oceanicus</i>         | A |
| <i>Prionospio steenstrupi</i>        | B | <i>Gammarus setosus</i>           |   |
| <i>Pygospio elegans</i>              | B | <i>Gammarus wilkitzkii</i>        | B |
| <i>Rhodine loveni</i>                | B | <i>Haploops laevis</i>            |   |
| <i>Sabellides borealis</i>           |   | <i>Haploops tubicola</i>          |   |
| <i>Sabellides oculata</i>            | B | <i>Hippomedon propinquus</i>      | B |
| <i>Scalibregma inflatum</i>          |   | <i>Ischyrocerus latipes</i>       | A |
| <i>Scoloplos armiger</i>             |   | <i>Ischyrocerus stephensi</i>     |   |
| <i>Sphaerodorum gracile</i>          | B | <i>Lepidocream umbo</i>           | B |
| <i>Spiochaetopterus typicus</i>      |   | <i>Melita quadrispinosa</i>       | B |
| <i>Spirorbis corrugatus?</i>         | B | <i>Menigratopsis svennilssoni</i> | B |
| <i>Spirorbis</i> sp.                 | B | <i>Monoculodes longirostris</i>   | A |
| <i>Sternaspis scutata</i>            | A | <i>Nototropis smitti</i>          | B |
| <i>Syllis fasciata</i>               | A | <i>Oediceros saginatus</i>        | A |
| <i>Terebellides stroemi</i>          |   | <i>Onisimus affinis</i>           | B |
| <i>Tharyx acutus</i>                 | B | <i>Onisimus glacialis</i>         | A |
| <i>Travisia forbesi</i>              | B | <i>Onisimus litoralis</i>         | A |
| <i>Trichobranchus glacialis</i>      | B | <i>Orchomene pinguis</i>          |   |
| ARTHROPODA: Acarina (1 sp.)          |   | <i>Paramphithoe hystrix</i>       |   |
| Mite                                 | B | <i>Paroediceros lynceus</i>       | B |
| ARTHROPODA: Amphipoda (59 sps.)      |   | <i>Paroediceros</i> sp.           |   |
| <i>Acanthonotozoma cristatum</i>     | B | <i>Pleustes panoplus</i>          | A |
| <i>Acanthonotozoma inflatum</i>      | B | <i>Pleusymtes pulchellus</i>      | B |
| <i>Acanthostepheia behringiensis</i> | A | <i>Pontoporeia femorata</i>       |   |
| <i>Acanthostepheia malmgreni</i>     |   | <i>Rhachotropis aculeata</i>      | A |
| <i>Aceroides l. latipes</i>          | B | <i>Rhachotropis oculata</i>       | B |
| <i>Aegenina longicornis</i>          | B | <i>Rozinante fragilis</i>         | A |
| <i>Ampelisca eschrichti</i>          |   | <i>Socarnes bidenticulatus</i>    |   |
| <i>Ampelisca macrocephala</i>        | A | <i>Socarnes vahli</i>             | B |
| <i>Anonyx debruyni</i>               | B | <i>Stegocephalus inflatus</i>     |   |
| <i>Anonyx lilljeborgi</i>            | B | <i>Tmetonyx cicada</i>            |   |
| <i>Anonyx makarovi</i>               | A | <i>Weyprechtia heuglini</i>       | A |
| <i>Anonyx nugax</i>                  |   | <i>Weyprechtia pinguis</i>        |   |
| <i>Apherusa megalops</i>             | B | ARTHROPODA: Cirripedia (3 sps.)   |   |
| <i>Arctopleustes glabricauda</i>     | A | <i>Balanus balanoides</i>         | A |
| <i>Arrhis phyllonyx</i>              |   | <i>Balanus balanus</i>            |   |
| <i>Atylus carinatus</i>              |   | <i>Balanus crenatus</i>           |   |
| <i>Atylus smitti</i>                 | B | ARTHROPODA: Copepoda (1 sp.)      |   |
| <i>Boeckosimus affinis</i>           | A | Copepod                           | B |
| <i>Boeckosimus brevicaudatus</i>     | B |                                   |   |
| <i>Boeckosimus edwardsi</i>          | B |                                   |   |
| <i>Boeckosimus plautus</i>           | B |                                   |   |

Table 1. Continued.

| Species                         |   | Species                          |   |
|---------------------------------|---|----------------------------------|---|
| ARTHROPODA: Cumacea (15 sps.)   |   | ARTHROPODA: Mysidacea (2 sps.)   |   |
| <i>Brachydiastylis resima</i>   | B | <i>Mysis oculata</i>             | B |
| <i>Diastylis glabra</i>         | B | <i>Mysis relicta</i>             | A |
| <i>Diastylis goodsiri</i>       |   | ARTHROPODA: Ostracoda (9 sps.)   |   |
| <i>Diastylis oxyrhyncha</i>     | B | <i>Cyprideis sorbyana</i>        | B |
| <i>Diastylis rathkei</i>        |   | <i>Cythereis dunelmensis</i>     | B |
| <i>Diastylis scorpioides</i>    | B | <i>Cythereis tuberculata</i>     | B |
| <i>Diastylis spinulosa</i>      | B | <i>Cythereis</i> sp.             | B |
| <i>Diastylis</i> sp.            | B | <i>Cytheridea papillosa</i>      | B |
| <i>Eudorella emarginata</i>     | B | <i>Cytheridea punctillata</i>    | B |
| <i>Eudorella truncatula</i>     | B | <i>Cytheromorpha?</i> sp.        | B |
| <i>Lamprops fuscata</i>         | B | <i>Hemicythere</i> sp.           | B |
| <i>Leptostylis longimana</i>    | B | <i>Philomedes globosus</i>       | B |
| <i>Leucon nasica</i>            |   | ARTHROPODA: Pycnogonida          |   |
| <i>Leucon nasicooides</i>       | B | (11 sps)                         |   |
| <i>Leucon pallidus</i>          | B | <i>Boreonymphon abyssorum</i>    |   |
| ARTHROPODA: Decapoda (16 sps.)  |   | <i>Boreonymphon ossiansarsi</i>  |   |
| <i>Argis dentata</i>            |   | <i>Boreonymphon robustum</i>     | B |
| <i>Chionoecetes opilio</i>      | A | <i>Colossendeis proboscidea</i>  |   |
| <i>Eualus fabricii</i>          | B | <i>Nymphon gracilipes</i>        | A |
| <i>Eualus gaimardi</i>          |   | <i>Nymphon grossipes</i>         | A |
| <i>Eualus gaimardi belcheri</i> |   | <i>Nymphon hirtipes</i>          |   |
| <i>Eualus macilentus</i>        | B | <i>Nymphon longitarse</i>        |   |
| <i>Eualus stoneyi</i>           | B | <i>Nymphon mixtum</i>            | B |
| <i>Hyas coarctatus</i>          | A | <i>Nymphon sluiteri</i>          |   |
| <i>Lebbeus groenlandicus</i>    | A | <i>Pseudopallene brevicollis</i> |   |
| <i>Lebbeus polaris</i>          |   | ARTHROPODA: Tanaidacea (6 sps.)  |   |
| <i>Pagurus pubescens</i>        | A | <i>Leptognathia sarsi</i>        | B |
| <i>Sabinea septemcarinata</i>   |   | <i>Leptognathia</i> sp.          | B |
| <i>Sclerocrangon boreas</i>     | A | <i>Leptognathia</i> sp.          | B |
| <i>Sclerocrangon ferrox</i>     | A | <i>Pseudotanais lilljeborgi</i>  | B |
| <i>Spirontocaris phippii</i>    |   | <i>Pseudotanais macrocheles</i>  | B |
| <i>Spirontocaris spinus</i>     |   | <i>Typhlotanais finmarchicus</i> | B |
| ARTHROPODA: Isopoda (11 sps.)   |   | ASCHELMINTHES: Nematoda (1 sp.)  |   |
| <i>Arcturus baffini</i>         | B | Nematode                         | B |
| <i>Eugerda globiceps</i>        | B | BRACHIOPODA (1 sp.)              |   |
| <i>Gnathia elongata</i>         |   | <i>Hemithyris psittacea</i>      |   |
| <i>Gnathia maxillaris</i>       | B | CHORDATA: Ascidiacea (16 sps.)   |   |
| <i>Mesidotea entomon</i>        |   | <i>Ascidia callosa</i>           | B |
| <i>Mesidotea sabini</i>         | A | <i>Ascidia obliqua</i>           |   |
| <i>Mesidotea sibirica</i>       | A | <i>Boltenia echinata</i>         | A |
| <i>Munna kroyeri</i>            | B | <i>Ciona intestinalis</i>        | B |
| <i>Munnopsis typica</i>         |   | <i>Cnemidocarpa rhizopus</i>     | A |
| <i>Munnopsurus gigantea</i>     | A | <i>Dendrodoa aggregata</i>       | A |
| <i>Synidotea bicuspidata</i>    | A |                                  |   |

Table 1. Continued.

| Species                           |   | Species                         |   |
|-----------------------------------|---|---------------------------------|---|
| CHORDATA: Ascidiacea              |   | ECHINODERMATA: Asteroidea       |   |
| <i>Dendrodoa pulchella</i>        | A | <i>Pteraster militaris</i>      | B |
| <i>Didemnum albidum</i>           | B | <i>Pteraster obscurus</i>       | A |
| <i>Eugyra pedunculata</i>         | B | <i>Solaster papposus</i>        |   |
| <i>Molgula griffithsi</i>         |   | <i>Urasterias lincki</i>        |   |
| <i>Molgula siphonalis</i>         | A |                                 |   |
| <i>Pelonaia corrugata</i>         |   | ECHINODERMATA: Crinoidea        |   |
| <i>Rhizomolgula globularis</i>    |   | (2 sps.)                        |   |
| <i>Styela coriacea</i>            | A | <i>Heliometa glacialis</i>      |   |
| <i>Styela rustica</i>             | A | <i>Poliometra proluxa</i>       | A |
| Ascidian                          | A |                                 |   |
|                                   |   | ECHINODERMATA: Echinoidea       |   |
| COELENTERATA: Anthozoa (10 sps.)  |   | (1 sp.)                         |   |
| <i>Actinostola spetzbergensis</i> | A | <i>Strongylocentrotus</i>       |   |
| <i>Allantactis parasitica</i>     |   | <i>droebachiensis</i>           |   |
| <i>Cerianthus</i> sp.             | B |                                 |   |
| <i>Drifa glomerata</i>            | B | ECHINODERMATA: Holothuroidea    |   |
| <i>Edwardsia</i> sp.              | B | (8 sps.)                        |   |
| <i>Gersemia rubiformis</i>        |   | <i>Cucumaria calcigera</i>      |   |
| <i>Hormathia nodosa</i>           | A | <i>Cucumaria frondosa</i>       | B |
| <i>Stomphia coccinea</i>          |   | <i>Molpadia arctica</i>         |   |
| <i>Tealia felina</i>              | A | <i>Myriotrochus rinkii</i>      |   |
| Anthozoan                         | B | <i>Psolus fabricii</i>          |   |
|                                   |   | <i>Psolus phantapus</i>         |   |
| COELENTERATA: Hydrozoa (13 sps.)  |   | <i>Thyonidium</i> sp.           | B |
| <i>Campanularia volubilis</i>     | B | Holothuroid                     |   |
| <i>Corymorpha groenlandica</i>    | A |                                 |   |
| <i>Eudendrium tenellum</i>        | B | ECHINODERMATA: Ophiuroidea      |   |
| <i>Gonothyrea loveni</i>          | A | (8 sps.)                        |   |
| <i>Lafoea gracillima</i>          | B | <i>Amphiura sundevalli</i>      | A |
| <i>Lafoeina maxima</i>            | A | <i>Gorgonocephalus arcticus</i> | A |
| <i>Obelia longissima</i>          | A | <i>Gorgonocephalus caryi</i>    | A |
| <i>Opercularella lacerata</i>     | B | <i>Ophiacantha bidentata</i>    | A |
| <i>Ptychogena lactea</i>          | B | <i>Ophiocten sericeum</i>       |   |
| <i>Sertularella tricuspidata</i>  |   | <i>Ophiopleura borealis</i>     |   |
| <i>Sertularia similis</i>         |   | <i>Ophiura robusta</i>          |   |
| <i>Thuiaria alternitheca</i>      | A | <i>Stegophiura nodosa</i>       | A |
| Hydrozoan                         |   |                                 |   |
|                                   |   | ECTOPROCTA (16 sps.)            |   |
| ECHINODERMATA: Asteroidea         |   | <i>Alcyonidium gelatinosum</i>  |   |
| (13 sps.)                         |   | <i>Alcyonidium</i> sp.          | B |
| <i>Ctenodiscus crispatus</i>      |   | <i>Carbasea carbasea</i>        | A |
| <i>Hymenaster pellucidus</i>      | A | <i>Cystisella saccata</i>       | A |
| <i>Icasterias panopla</i>         | A | <i>Escharella ventricosa</i>    | A |
| <i>Leptasterias groenlandica</i>  |   | <i>Eucreatea loricata</i>       |   |
| <i>Leptasterias polaris</i>       | A | <i>Hincksina nigrans</i>        | A |
| <i>Lophaster furcifer</i>         | A | <i>Hippothoa hyalina</i>        | A |
| <i>Pontaster tenuispinus</i>      |   | <i>Kinetoskias arborescens</i>  | A |
| <i>Poraniomorpha bidens</i>       | A | <i>Membranipora serrulata</i>   | A |
| <i>Poraniomorpha tumida</i>       |   |                                 |   |

Table 1. Continued.

| Species                        |   | Species                           |   |
|--------------------------------|---|-----------------------------------|---|
| ECTOPROCTA                     |   | MOLLUSCA: Gastropoda              |   |
| <i>Notoplites smitti</i>       | B | <i>Margarites costalis</i>        |   |
| <i>Parasmittina jeffreysi</i>  | B | <i>Margarites umbilicalis</i>     |   |
| <i>Pseudoflustra solida</i>    | B | <i>Moelleria costulata</i>        | A |
| <i>Smittina majuscula</i>      | A | <i>Natica clausa</i>              |   |
| <i>Tegella armifera</i>        | A | <i>Neptunea despecta</i>          |   |
| Bryozoan                       | A | <i>Neptunea heros</i>             | A |
|                                |   | <i>Oenopota arctica</i>           | A |
| MOLLUSCA: Amphineura (1 sp.)   |   | <i>Oenopota bicarinata</i>        |   |
| <i>Tonicella marmorea</i>      |   | <i>Oenopota cinerea</i>           | A |
|                                |   | <i>Oenopota incisula</i>          | B |
| MOLLUSCA: Aplacophora (1 sp.)  |   | <i>Oenopota reticulata</i>        | B |
| Solenogaster                   | B | <i>Oenopota turricula</i>         | B |
|                                |   | <i>Oenopota sp.</i>               |   |
| MOLLUSCA: Cephalopoda (2 sps.) |   | <i>Onchidiopsis glacialis</i>     | A |
| <i>Bathypolypus arcticus</i>   | A | <i>Onchidiopsis kingmaruensis</i> | A |
| <i>Rossia molleri</i>          |   | <i>Onchidoris bilamellata</i>     | B |
|                                |   | <i>Philine finmarchia</i>         |   |
| MOLLUSCA: Gastropoda (59 sps.) |   | <i>Philine lima</i>               | B |
| <i>Acanthodoris pilosa</i>     | A | <i>Philine quadrata?</i>          | B |
| <i>Acmaea testudinalis</i>     | B | <i>Plicifusus kroyeri</i>         | A |
| <i>Admete couthouyi</i>        |   | <i>Retusa obtusa</i>              | B |
| <i>Alvania cruenta</i>         | B | <i>Solariella obscura</i>         |   |
| <i>Amauropsis purpurea</i>     |   | <i>Tachyrhynchus erosus</i>       |   |
| <i>Aquilonaria turneri</i>     | B | <i>Trichotropis bicarinata</i>    | B |
| <i>Beringius beringi</i>       | A | <i>Trichotropis borealis</i>      |   |
| <i>Boreotrophon clathratus</i> | A | <i>Velutina undata</i>            |   |
| <i>Boreotrophon pacificus</i>  |   | <i>Velutina velutina</i>          | B |
| <i>Boreotrophon truncatus</i>  | B | <i>Volutopsius deformis</i>       | A |
| <i>Buccinum angulosum</i>      |   |                                   |   |
| <i>Buccinum hydrophanum</i>    |   | MOLLUSCA: Pelecypoda (40 sps.)    |   |
| <i>Buccinum maltzani</i>       | A | <i>Astarte borealis</i>           |   |
| <i>Buccinum polare</i>         |   | <i>Astarte crenata</i>            |   |
| <i>Buccinum scalariforme</i>   |   | <i>Astarte eliptica</i>           | A |
| <i>Buccinum undatum</i>        | B | <i>Astarte montagui</i>           |   |
| <i>Capulacmaea radiata</i>     | B | <i>Axinopsida orbiculata</i>      | B |
| <i>Colus islandicus</i>        | B | <i>Bathyarca glacialis</i>        |   |
| <i>Colus martensi</i>          | A | <i>Clinocardium ciliatum</i>      |   |
| <i>Colus pubescens</i>         |   | <i>Cuspidaria arctica</i>         | A |
| <i>Colus roseus</i>            | A | <i>Cuspidaria obesa</i>           | B |
| <i>Colus togatus</i>           |   | <i>Cyrtodaria kurriana</i>        | A |
| <i>Colus verkruzeni</i>        | A | <i>Dacrydium vitreum</i>          | B |
| <i>Cylichna alba</i>           |   | <i>Hiatella arctica</i>           |   |
| <i>Cylichna magna</i>          | B | <i>Liocyma fluctuosa</i>          | A |
| <i>Cylichna occulta</i>        |   | <i>Lyonsia arenosa</i>            | A |
| <i>Lacuna sp.</i>              |   | <i>Macoma balthica</i>            | A |
| <i>Dendronotus frondosus</i>   | A | <i>Macoma calcarea</i>            |   |
| <i>Dendronotus robustus</i>    | A | <i>Macoma moesta</i>              |   |
| <i>Lepeta caeca</i>            |   | <i>Macoma torelli</i>             |   |
| <i>Lunatia pallida</i>         |   | <i>Montacuta dawsoni</i>          | B |

Table 1. Continued.

## Species

|                                  |   |
|----------------------------------|---|
| MOLLUSCA: Pelecypoda             |   |
| <i>Musculus corrugatus</i>       |   |
| <i>Musculus discors</i>          |   |
| <i>Musculus niger</i>            |   |
| <i>Mya truncata</i>              |   |
| <i>Mytilus edulis</i>            |   |
| <i>Nucula belloti</i>            |   |
| <i>Nuculana minuta</i>           | B |
| <i>Nuculana pernula</i>          |   |
| <i>Pandora glacialis</i>         | A |
| <i>Pecten groenlandicus</i>      |   |
| <i>Periploma abyssorum</i>       | A |
| <i>Portlandia arctica</i>        | A |
| <i>Portlandia fraterna</i>       | B |
| <i>Portlandia frigida</i>        | B |
| <i>Portlandia intermedia</i>     | A |
| <i>Portlandia lenticula</i>      | B |
| <i>Serripes groenlandicus</i>    |   |
| <i>Thracia devexa</i>            | A |
| <i>Thyasira dunbari</i>          | B |
| <i>Thyasira gouldi</i>           |   |
| <i>Yoldia h. hyperborea</i>      |   |
| MOLLUSCA: Scaphopoda (1 sp.)     |   |
| <i>Siphonodentalium lobatum</i>  | A |
| NEMERTINA (2 sps.)               |   |
| Nemertean                        |   |
| Nemertean                        | B |
| PLATYHELMINTHES (1 sp.)          |   |
| Turbellarian                     | B |
| PORIFERA (5 sps.)                |   |
| <i>Polymastia hemisphaericum</i> | A |
| <i>Polymastia mammilaris</i>     | A |
| <i>Suberites ficus</i>           | A |
| <i>Tetilla sibirica</i>          | B |
| Sponge                           | A |
| PRIAPULIDA (2 sp.)               |   |
| <i>Halicryptus spinulosus</i>    | A |
| <i>Priapulus caudatus</i>        |   |
| SIPUNCULA (3 sps.)               |   |
| <i>Golfingia margaritacea</i>    | B |
| <i>Phascolion strombi</i>        |   |
| Sipunculan                       | A |
| <i>Total: 434 species</i>        |   |



PART A  
BENTHIC INVERTEBRATES COLLECTED FROM  
THE BEAUFORT SEA-AMUNDSEN GULF AREA, 1951 TO 1985

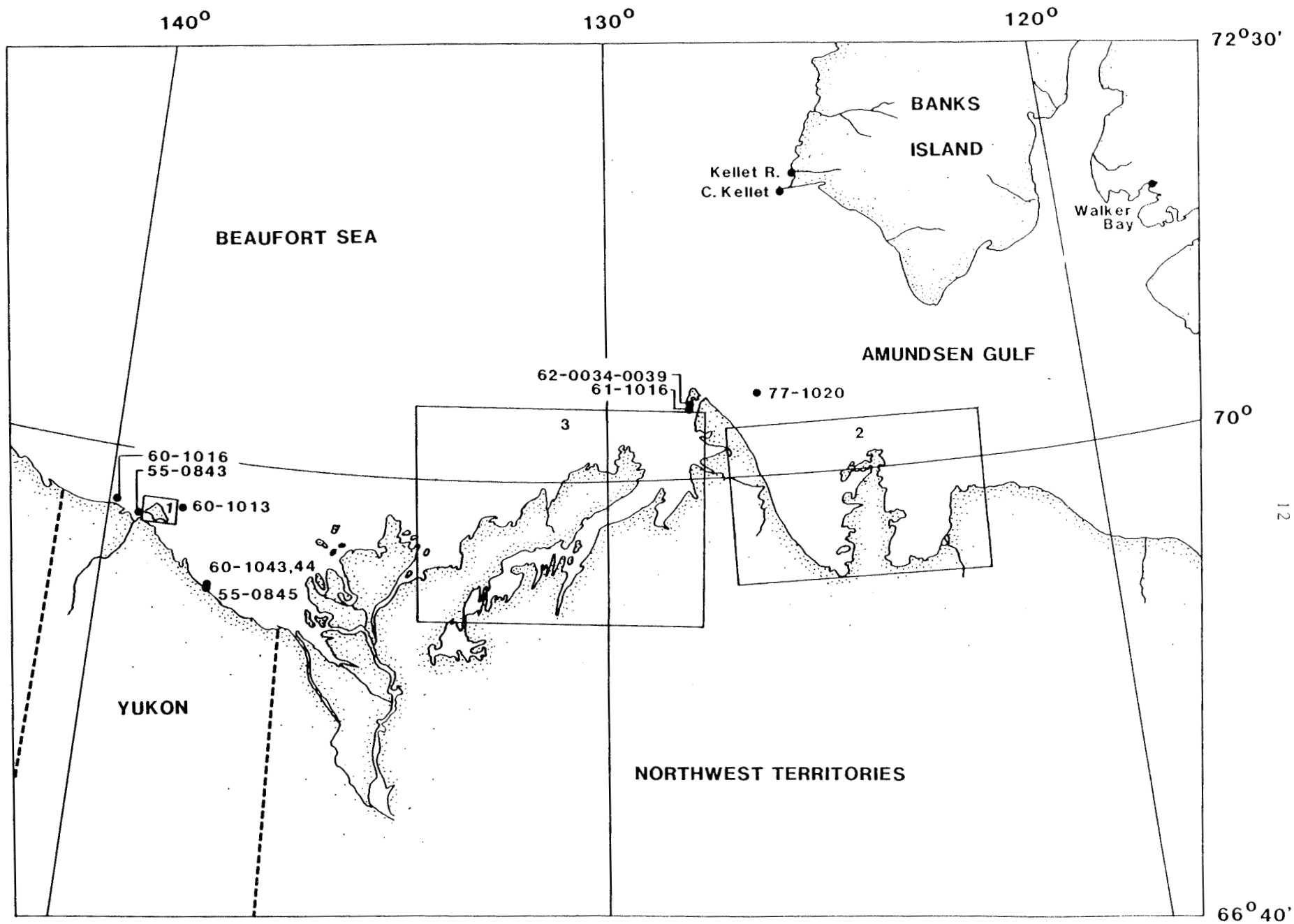


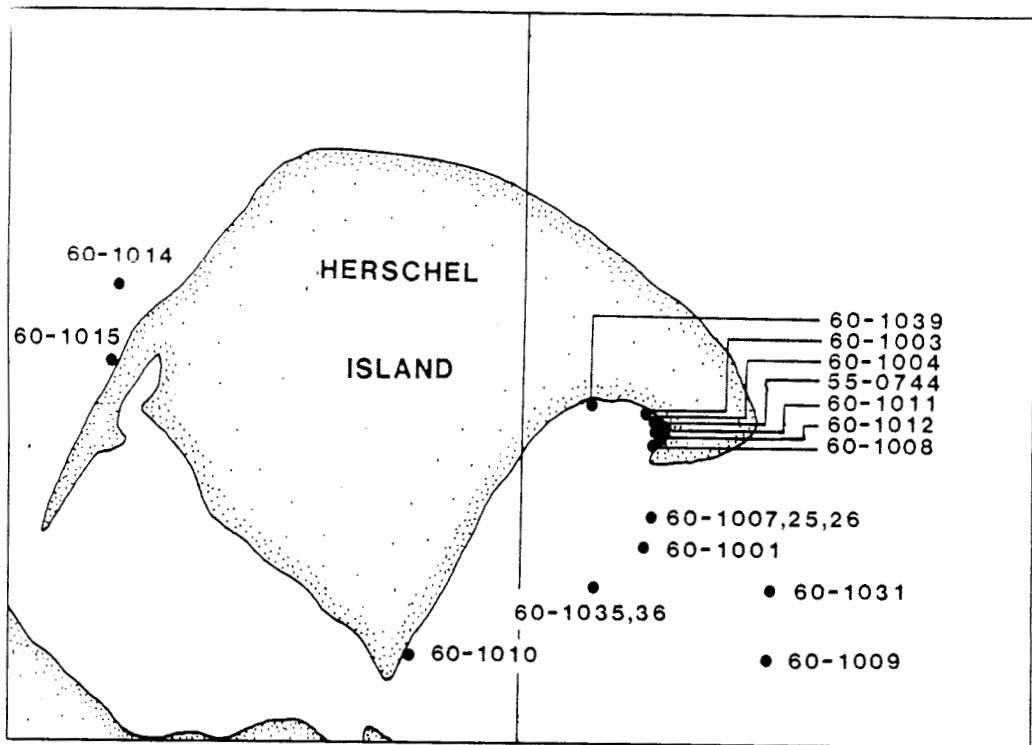
Fig. 1. Locations of benthic stations in the Beaufort Sea - Amundsen Gulf area.

139°20'

139°

138°40'

69°40'



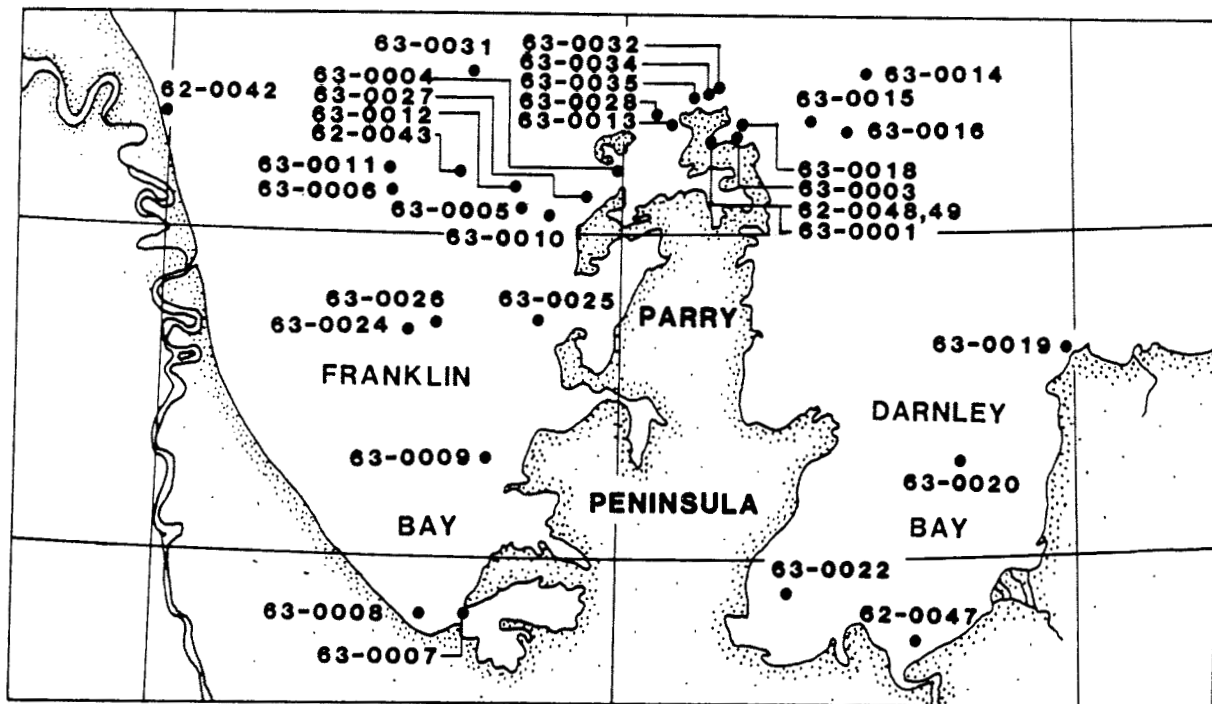
69°30'

Fig. 2. Locations of benthic stations around Herschel Island (rectangle 1 of Fig. 1).

127°

125°

123°



70°

69°30'

Fig. 3. Locations of benthic stations in Franklin Bay and Darnley Bay (rectangle 2 of Fig. 1).

134°

132°

130°

128°

70°30'

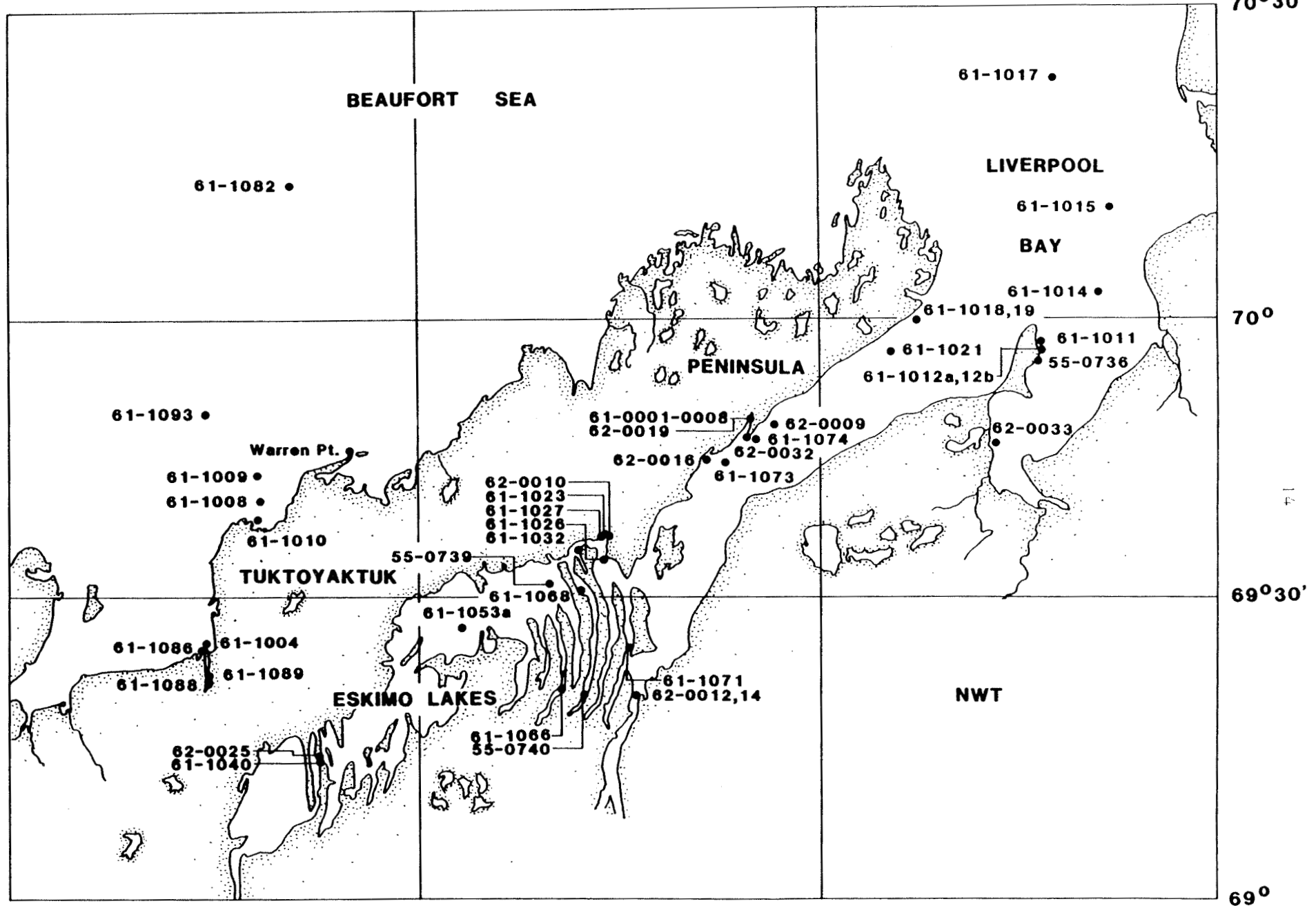


Fig. 4. Locations of benthic stations along the Tuktoyaktuk Peninsula, in Liverpool Bay and the Eskimo Lakes (rectangle 3 of Fig. 1).

Table 2. Coordinates of stations sampled in the Beaufort Sea - Amundsen Gulf area between 1951 and 1985.

| Station     | North Latitude | West Longitude | Station     | North Latitude | West Longitude |
|-------------|----------------|----------------|-------------|----------------|----------------|
| <u>1951</u> |                |                | <u>1961</u> |                |                |
| Cape Kellet | 71°58'         | 126°00'        | 61-1004     | 69°26.5'       | 133°01.8'      |
|             |                |                | 61-1008     | 69°41'         | 132°48'        |
| <u>1955</u> |                |                | 61-1009     | 69°43.5'       | 132°48'        |
| 55-0736     | 69°56'         | 128°54'        | 61-1010     | 69°39'         | 132°48'        |
| 55-0739     | 69°32'         | 131°19'        | 61-1011     | 69°58'         | 128°54.5'      |
| 55-0740     | 69°19'         | 131°07'        | 61-1012a    | 69°56'         | 128°53'        |
| 55-0744     | 69°34'         | 138°54'        | 61-1012b    | 69°56'         | 128°53'        |
|             |                |                | 61-1014     | 70°02'         | 128°42'        |
| <u>1956</u> |                |                | 61-1015     | 70°11'         | 128°35'        |
| 56-0843     | 69°33'         | 139°21'        | 61-1016     | 70°29.5'       | 128°19'        |
| 56-0845     | 69°06'         | 137°54'        | 61-1017     | 70°23.6'       | 128°49'        |
|             |                |                | 61-1018     | 69°58.7'       | 129°30'        |
| <u>1958</u> |                |                | 61-1019     | 69°58.7'       | 129°30'        |
| Kellet R.   | 72°05.3'       | 125°42'        | 61-1021     | 69°56'         | 129°37'        |
|             |                |                | 61-1023     | 69°37.7'       | 131°02'        |
| <u>1960</u> |                |                | 61-1026     | 69°35.5'       | 131°02'        |
| 60-1001     | 69°32.5'       | 138°55'        | 61-1027     | 69°37'         | 131°02'        |
| 60-1003     | 69°34.1'       | 138°54.9'      | 61-1032     | 69°35.5'       | 131°10'        |
| 60-1004     | 69°34.3'       | 138°54'        | 61-1040     | 69°13.3'       | 132°27.8'      |
| 60-1007     | 69°33.1'       | 138°55'        | 61-1053a    | 69°27.5'       | 131°45'        |
| 60-1008     | 69°33.8'       | 138°55'        | 61-1066     | 69°21.8'       | 131°15.5'      |
| 60-1009     | 69°31'         | 138°50'        | 61-1068     | 69°36.7'       | 131°01.1'      |
| 60-1010     | 69°31.2'       | 139°04.5'      | 61-1071     | 69°25.6'       | 130°54.7'      |
| 60-1011     | 69°34.2'       | 138°54.3'      | 61-1073     | 69°45'         | 130°24'        |
| 60-1012     | 69°34'         | 138°54'        | 61-1074     | 69°47.5'       | 130°18'        |
| 60-1013     | 69°38'         | 138°35'        | 61-1082     | 70°13'         | 132°36'        |
| 60-1014     | 69°36'         | 139°16'        | 61-1086     | 69°25.9'       | 132°02.9'      |
| 60-1015     | 69°35'         | 139°16'        | 61-1088     | 69°25.2'       | 132°59'        |
| 60-1016     | 69°37'         | 139°57'        | 61-1089     | 69°25.6'       | 132°59.1'      |
| 60-1025     | 69°33'         | 138°55'        | 61-1093     | 69°50'         | 133°02'        |
| 60-1026     | 69°33'         | 138°55'        |             |                |                |
| Warren Pt.  | 69°45.6'       | 132°18'        | <u>1962</u> |                |                |
| 60-1031     | 69°32'         | 138°50'        | 62-0001     | 69°49.3'       | 130°19'        |
| 60-1035     | 69°32'         | 138°57'        | 62-0002     | 69°49.3'       | 130°19'        |
| 60-1036     | 69°32'         | 138°57'        | 62-0003     | 69°49.3'       | 130°19'        |
| 60-1039     | 69°34.6'       | 138°57.4'      | 62-0006     | 69°49.3'       | 130°19'        |
| 60-1043     | 69°07'         | 137°54'        | 62-0008     | 69°49.3'       | 130°19'        |
| 60-1044     | 69°07'         | 137°54'        | 62-0009     | 69°48'         | 130°13'        |
|             |                |                | 62-0010     | 69°37.5'       | 131°02.6'      |
|             |                |                | 62-0012     | 69°20.5'       | 130°53'        |
|             |                |                | 62-0014     | 69°20.5'       | 130°53'        |

Table 2. Continued.

| Station     | North Latitude        | West Longitude         | Station     | North Latitude        | West Longitude       |
|-------------|-----------------------|------------------------|-------------|-----------------------|----------------------|
| <u>1962</u> |                       |                        |             |                       |                      |
| 62-0016     | 69 <sup>0</sup> 45'   | 130 <sup>0</sup> 32.5' | <u>1977</u> |                       |                      |
| 62-0019     | 69 <sup>0</sup> 49.3' | 130 <sup>0</sup> 19'   | 77-1020     | 70 <sup>0</sup> 33.8' | 126 <sup>0</sup> 53' |
| 62-0025     | 69 <sup>0</sup> 14'   | 132 <sup>0</sup> 27'   | <u>1985</u> |                       |                      |
| 62-0032     | 69 <sup>0</sup> 48'   | 130 <sup>0</sup> 19'   | Walker Bay  | 71 <sup>0</sup> 39.7' | 117 <sup>0</sup> 43' |
| 62-0033     | 69 <sup>0</sup> 45.7' | 129 <sup>0</sup> 08'   |             |                       |                      |
| 62-0034     | 70 <sup>0</sup> 31'   | 128 <sup>0</sup> 19'   |             |                       |                      |
| 62-0035     | 70 <sup>0</sup> 31'   | 128 <sup>0</sup> 19'   |             |                       |                      |
| 62-0038     | 70 <sup>0</sup> 31'   | 128 <sup>0</sup> 19'   |             |                       |                      |
| 62-0039     | 70 <sup>0</sup> 31'   | 128 <sup>0</sup> 19'   |             |                       |                      |
| 62-0042     | 70 <sup>0</sup> 11.4' | 127 <sup>0</sup> 03'   |             |                       |                      |
| 62-0043     | 70 <sup>0</sup> 06.6' | 125 <sup>0</sup> 43'   |             |                       |                      |
| 62-0047     | 69 <sup>0</sup> 21.5' | 123 <sup>0</sup> 42'   |             |                       |                      |
| 62-0048     | 70 <sup>0</sup> 07'   | 124 <sup>0</sup> 39'   |             |                       |                      |
| 62-0049     | 70 <sup>0</sup> 07'   | 124 <sup>0</sup> 39'   |             |                       |                      |
| <u>1963</u> |                       |                        |             |                       |                      |
| 63-0001     | 70 <sup>0</sup> 09'   | 124 <sup>0</sup> 40'   |             |                       |                      |
| 63-0003     | 70 <sup>0</sup> 09.7' | 124 <sup>0</sup> 30.8' |             |                       |                      |
| 63-0004     | 70 <sup>0</sup> 06.1' | 125 <sup>0</sup> 09'   |             |                       |                      |
| 63-0005     | 70 <sup>0</sup> 02.5' | 125 <sup>0</sup> 26'   |             |                       |                      |
| 63-0006     | 70 <sup>0</sup> 02.9' | 126 <sup>0</sup> 00'   |             |                       |                      |
| 63-0007     | 69 <sup>0</sup> 25.6' | 125 <sup>0</sup> 40.5' |             |                       |                      |
| 63-0008     | 69 <sup>0</sup> 25.6' | 125 <sup>0</sup> 48.5' |             |                       |                      |
| 63-0009     | 69 <sup>0</sup> 39.3' | 125 <sup>0</sup> 35.1' |             |                       |                      |
| 63-0010     | 70 <sup>0</sup> 02.1' | 125 <sup>0</sup> 22.3' |             |                       |                      |
| 63-0011     | 70 <sup>0</sup> 05.8' | 126 <sup>0</sup> 02.5' |             |                       |                      |
| 63-0012     | 70 <sup>0</sup> 03.9' | 125 <sup>0</sup> 28.5' |             |                       |                      |
| 63-0013     | 70 <sup>0</sup> 10.6' | 124 <sup>0</sup> 47'   |             |                       |                      |
| 63-0014     | 70 <sup>0</sup> 17.9' | 123 <sup>0</sup> 55'   |             |                       |                      |
| 63-0015     | 70 <sup>0</sup> 11.4' | 124 <sup>0</sup> 16.7' |             |                       |                      |
| 63-0016     | 70 <sup>0</sup> 10'   | 124 <sup>0</sup> 2.7'  |             |                       |                      |
| 63-0018     | 70 <sup>0</sup> 10.5' | 124 <sup>0</sup> 30'   |             |                       |                      |
| 63-0019     | 69 <sup>0</sup> 49.7' | 123 <sup>0</sup> 05.5' |             |                       |                      |
| 63-0020     | 69 <sup>0</sup> 39.3' | 123 <sup>0</sup> 33.6' |             |                       |                      |
| 63-0022     | 69 <sup>0</sup> 27'   | 124 <sup>0</sup> 17'   |             |                       |                      |
| 63-0024     | 69 <sup>0</sup> 55.1' | 125 <sup>0</sup> 56'   |             |                       |                      |
| 63-0025     | 69 <sup>0</sup> 52'   | 125 <sup>0</sup> 54'   |             |                       |                      |
| 63-0026     | 69 <sup>0</sup> 52.2' | 125 <sup>0</sup> 49'   |             |                       |                      |
| 63-0027     | 70 <sup>0</sup> 04'   | 125 <sup>0</sup> 10'   |             |                       |                      |
| 63-0028     | 70 <sup>0</sup> 11.5' | 124 <sup>0</sup> 50'   |             |                       |                      |
| 63-0031     | 70 <sup>0</sup> 16'   | 125 <sup>0</sup> 42.5' |             |                       |                      |
| 63-0032     | 70 <sup>0</sup> 14.3' | 124 <sup>0</sup> 34.4' |             |                       |                      |
| 63-0034     | 70 <sup>0</sup> 14'   | 124 <sup>0</sup> 36.5' |             |                       |                      |
| 63-0035     | 70 <sup>0</sup> 13.5' | 124 <sup>0</sup> 39.6' |             |                       |                      |

Table 3. Associated data for stations sampled in the Beaufort Sea - Amundsen Gulf area between 1951 and 1985.

| Station     | Date            | Depth<br>(m) | Temp.<br>(°C) | Sal.<br>(‰) |
|-------------|-----------------|--------------|---------------|-------------|
| <u>1951</u> |                 |              |               |             |
| Cape Kellet | 27 Jul 51       | shore        |               |             |
| <u>1955</u> |                 |              |               |             |
| 55-0736     | 20 Aug 55       | shore        |               |             |
| 55-0739     | 27 Aug 55       | 8            |               |             |
| 55-0740     | 28 Aug 55       | 3            |               |             |
| 55-0744     | 16,17,19 Sep 55 | 7            |               |             |
| <u>1956</u> |                 |              |               |             |
| 56-0843     | 8 Aug 56        | 0-4          |               |             |
| 56-0845     | 25 Aug 56       | 0-3          |               |             |
| <u>1958</u> |                 |              |               |             |
| Kellet R.   | 21 Jul 58       |              |               |             |
| <u>1960</u> |                 |              |               |             |
| 60-1001     | 26 Jul 60       | 12-37        |               |             |
| 60-1003     | 2 Aug 60        | 1-4          |               |             |
| 60-1004     | 27 Jul 60       | 0-6          |               |             |
| 60-1007     | 1 Aug 60        | 11           |               |             |
| 60-1008     | 1 Aug 60        | 5-11         |               |             |
| 60-1009     | 2 Aug 60        | 18-27        |               |             |
| 60-1010     | 3 Aug 60        | 5-9          | -0.51         | 26.78       |
| 60-1011     | 4 Aug 60        | 2-4          |               |             |
| 60-1012     | 5 Aug 60        | 4            |               |             |
| 60-1013     | 6 Aug 60        | 91-137       |               |             |
| 60-1014     | 6 Aug 60        | 5            |               |             |
| 60-1015     | 6 Aug 60        | 4            |               |             |
| 60-1016     | 6 Aug 60        | 13           |               |             |
| 60-1025     | 14 Aug 60       | 4            |               |             |
| 60-1026     | 15 Aug 60       | 0-5          |               |             |
| Warren Pt.  | 17 Aug 60       | shore        |               |             |
| 60-1031     | 19 Aug 60       | 0-45         |               |             |
| 60-1035     | 25 Aug 60       | 21-44        | -1.32         | 31.83       |
| 60-1036     | 25 Aug 60       | 36           | -1.32         | 31.83       |
| 60-1039     | 26 Aug 60       | 4            |               |             |
| 60-1043     | 31 Aug 60       | 9            |               |             |
| 60-1044     | 31 Aug 60       | 22           |               |             |

Table 3. Continued.

| Station     | Date      | Depth<br>(m) | Temp.<br>(°C) | Sal.<br>(‰) |
|-------------|-----------|--------------|---------------|-------------|
| <u>1961</u> |           |              |               |             |
| 61-1004     | 2 Jul 61  | 2            |               |             |
| 61-1008     | 6 Jul 61  | 4            | -0.50         |             |
| 61-1009     | 6 Jul 61  | 4            | -0.50         | 20.43       |
| 61-1010     | 6 Jul 61  | 5            | 11.00         |             |
| 61-1011     | 9 Jul 61  | 5            |               |             |
| 61-1012a    | 9 Jul 61  | 2            | 3.20          | 18.98       |
| 61-1012b    | 9 Jul 61  | shore        |               |             |
| 61-1014     | 10 Jul 61 | 9            |               |             |
| 61-1015     | 10 Jul 61 | 12           | -1.41         | 10.70       |
| 61-1016     | 11 Jul 61 | 8            | -1.25         | 29.29       |
| 61-1017     | 11 Jul 61 | 13           | -1.50         | 32.45       |
| 61-1018     | 11 Jul 61 | 2            | 10.50         | 12.85       |
| 61-1019     | 12 Jul 61 | 2            | 7.12          | 15.07       |
| 61-1021     | 12 Jul 61 | 11           | -0.82         | 30.28       |
| 61-1023     | 14 Jul 61 | 3            |               |             |
| 61-1026     | 15 Jul 61 | 55           | 4.98          | 13.44       |
| 61-1027     | 16 Jul 61 | 7            |               |             |
| 61-1032     | 18 Jul 61 | 30           | -0.68         | 17.11       |
| 61-1040     | 21 Jul 61 | 5            |               |             |
| 61-1053a    | 1 Aug 61  | 9            |               |             |
| 61-1066     | 7 Aug 61  | 18           | 0.58          | 15.32       |
| 61-1068     | 8 Aug 61  | 16           |               |             |
| 61-1071     | 8 Aug 61  | 20           | 10.92         | 12.74       |
| 61-1073     | 11 Aug 61 | 7            | 11.00         | 13.08       |
| 61-1074     | 13 Aug 61 | 8            | 4.51          | 22.75       |
| 61-1082     | 19 Aug 61 | 34           | -1.19         | 32.88       |
| 61-1086     | 21 Aug 61 | 3            |               |             |
| 61-1088     | 22 Aug 61 | 13           |               |             |
| 61-1089     | 23 Aug 61 | 20           | 3.29          |             |
| 61-1093     | 26 Aug 61 | 14           |               |             |
| <u>1962</u> |           |              |               |             |
| 62-0001     | 13 Jul 62 | 2-12         |               |             |
| 62-0002     | 14 Jul 62 | 0-4          |               |             |
| 62-0003     | 17 Jul 62 | 1            | 11.00         |             |
| 62-0006     | 21 Jul 62 | 2-18         |               |             |
| 62-0008     | 24 Jul 62 | 5-15         |               |             |
| 62-0009     | 25 Jul 62 | 9            | 5.64          |             |
| 62-0010     | 26 Jul 62 | 2-11         |               |             |
| 62-0012     | 29 Jul 62 | 3            |               |             |
| 62-0014     | 30 Jul 62 | 6            |               |             |
| 62-0016     | 1 Aug 62  | 2-6          |               |             |



Table 3. Continued.

| Station     | Date      | Depth<br>(m) | Temp.<br>(°C) | Sal.<br>(‰) |
|-------------|-----------|--------------|---------------|-------------|
| <u>1962</u> |           |              |               |             |
| 62-0019     | 3 Aug 62  | 2-10         | 1.44          | 11.80       |
| 62-0025     | 9 Aug 62  | 1-6          | 14.01         | 11.90       |
| 62-0032     | 12 Aug 62 | 10           | 2.18          | 11.98       |
| 62-0033     | 13 Aug 62 | 16           | 0.19          | 31.68       |
| 62-0034     | 14 Aug 62 | 2-6          | 2.26          | 31.34       |
| 62-0035     | 14 Aug 62 | 1-4          |               |             |
| 62-0038     | 17 Aug 62 | 0-4          |               |             |
| 62-0039     | 17 Aug 62 | 0-5          |               |             |
| 62-0042     | 21 Aug 62 | 68           |               |             |
| 62-0043     | 21 Aug 62 | 100          | -1.49         | 32.89       |
| 62-0047     | 25 Aug 62 | 2            |               |             |
| 62-0048     | 29 Aug 62 | 15           |               |             |
| 62-0049     | 29 Aug 62 | 15           | 0.58          | 31.17       |
| <u>1963</u> |           |              |               |             |
| 63-0001     | 19 Jul 63 | 2            | 6.00          | 23.60       |
| 63-0003     | 19 Jul 63 | 16-20        |               |             |
| 63-0004     | 24 Jul 63 | 31-60        |               |             |
| 63-0005     | 25 Jul 63 | 91           | -1.73         | 33.00       |
| 63-0006     | 25 Jul 63 | 182          | -0.80         | 33.02       |
| 63-0007     | 31 Jul 63 | 10-26        |               |             |
| 63-0008     | 1 Aug 63  | 18           |               |             |
| 63-0009     | 1 Aug 63  | 14           | 4.90          | 29.82       |
| 63-0010     | 1 Aug 63  | 50           | -1.31         | 32.56       |
| 63-0011     | 3 Aug 63  | 185          | -1.52         | 34.01       |
| 63-0012     | 4 Aug 63  | 92           | -0.51         | 32.47       |
| 63-0013     | 4 Aug 63  | 18-24        | 5.46          | 29.94       |
| 63-0014     | 5 Aug 63  | 213          |               |             |
| 63-0015     | 7 Aug 63  | 51-64        | -0.52         | 32.19       |
| 63-0016     | 7 Aug 63  | 60-80        |               |             |
| 63-0018     | 9 Aug 63  | 15           |               |             |
| 63-0019     | 12 Aug 63 | 82           | 2.19          | 32.55       |
| 63-0020     | 12 Aug 63 | 45-58        | 4.44          | 30.70       |
| 63-0022     | 13 Aug 63 | 31           | 5.83          | 30.17       |
| 63-0024     | 20 Aug 63 | 161          | -1.08         | 32.63       |
| 63-0025     | 20 Aug 63 | 129          |               |             |
| 63-0026     | 20 Aug 63 | 58           | 1.10          | 32.10       |
| 63-0027     | 20 Aug 63 | 33           | 5.66          | 28.63       |
| 63-0028     | 20 Aug 63 | 65           |               |             |
| 63-0031     | 25 Aug 63 | 173          |               |             |
| 63-0032     | 28 Aug 63 | 73           | -0.94         | 32.35       |
| 63-0034     | 5 Sep 63  | 80           | -0.94         | 32.34       |
| 63-0035     | 5 Sep 63  | 66           | -0.94         | 32.35       |

Table 3. Continued.

| Station     | Date      | Depth<br>(m) | Temp.<br>(°C) | Sal.<br>(‰) |
|-------------|-----------|--------------|---------------|-------------|
| <u>1977</u> |           |              |               |             |
| 77-1020     | 29 Jul 77 | 335          | 0.30          | 34.00       |
| <u>1985</u> |           |              |               |             |
| Walker Bay  | Aug 85    | 2-37         |               |             |

Table 4. Benthic invertebrates collected by hand from the beach at Cape Kellett, 27 Jul 1951.

---

Species

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ARTHROPODA: Isopoda  
*Mesidotea sibirica*

ECHINODERMATA: Echinoidea  
*Strongylocentrotus droebachiensis*

Table 5. Benthic invertebrates collected by hand from station 55-0736, 20 Aug 1955.

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Species

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MOLLUSCA: Gastropoda  
*Amauroopsis purpurea*  
*Buccinum angulosum*  
*Neptunea heros*  
*Plicifusus kroyeri*

Table 6. Benthic invertebrates collected by dredge from station 55-0739, 27 Aug 1955.

---

Species

---

ANNELIDA: Polychaeta  
*Antinoella sarsi*  
*Harmothoe imbricata*  
*Nereimyra aphroditoides*

ARTHROPODA: Amphipoda  
*Atylus carinatus*  
*Boeckosimus affinis*  
*Corophium clarencense*  
*Gammarus setosus*  
*Paroedicerus* sp.  
*Weyprechtia pinguis*

---

Species

---

MOLLUSCA: Gastropoda  
*Cylichna occulta*  
*Oenopota cinerea?*

MOLLUSCA: Pelecypoda  
*Mytilus edulis*

Table 7. Benthic invertebrates collected by net from station 55-0740,  
28 Aug 1955.

---

Species

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MOLLUSCA: Pelecypoda  
*Mytilus edulis*  
*Portlandia arctica*

Table 8. Benthic invertebrates collected by net from station 55-0744,  
16, 17, & 19 Sep 1955.

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Species

---

ARTHROPODA: Amphipoda  
*Boeckosimus affinis*  
*Gammarus setosus*

MOLLUSCA: Gastropoda  
*Admete couthouyi*

---

Species

---

MOLLUSCA: Pelecypoda  
*Astarte borealis*  
*Astarte elliptica*  
*Astarte montagui*  
*Macoma balthica*  
*Macoma calcarea*

Table 9. Benthic invertebrates collected by trawl from station 55-0843,  
8 Aug 1956.

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Species

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ARTHROPODA: Amphipoda  
*Gammarus setosus*  
*Oedicerus saginatus*

Table 10. Benthic invertebrates collected by net from station 56-0845,  
25 Aug 1956.

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Species

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ARTHROPODA: Amphipoda  
*Gammarus setosus*

Table 11. Benthic invertebrates collected by net and hand from station at  
mouth of Kellett River, 21 Jul 1958.

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Species

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ARTHROPODA: Amphipoda  
*Gammarus setosus*  
*Oedicerus saginatus*  
*Onisimus litoralis*

ARTHROPODA: Isopoda  
*Mesidotea entomon*

ARTHROPODA: Mysidacea  
*Mysis relicta*

Table 12. Benthic invertebrates collected by trawl from station 60-1001,  
26 Jul 1960.

| Species                       | Species  |
|-------------------------------|--|
| ANNELIDA: Polychaeta          | MOLLUSCA: Pelecypoda                           |
| <i>Terebellides stroemi</i>   | <i>Astarte borealis</i> (f. placenta)          |
| ARTHROPODA: Decapoda          | <i>Astarte montagui</i> (f. warhami & striata) |
| <i>Eualus gaimardi</i>        | <i>Cyrtodaria kurriana</i>                     |
| <i>Lebbeus groenlandicus</i>  | <i>Lyonsia arenosa</i>                         |
| <i>Sabinea septemcarinata</i> | <i>Macoma moesta</i>                           |
| ARTHROPODA: Isopoda           | <i>Musculus niger</i>                          |
| <i>Mesidotea sabini</i>       | <i>Pandora glacialis</i>                       |
| <i>Mesidotea sibirica</i>     | <i>Thracia devexa</i>                          |
| CHORDATA: Ascidiacea          |  |
| <i>Dendrodoa aggregata</i>    |  |
| <i>Molgula griffithsi</i>     |  |
| <i>Styela rustica</i>         |  |
| COELENTERATA: Hydrozoa        |  |
| <i>Lafoea gracillima</i>      |  |
| <i>Obelia longissima</i>      |  |
| ECHINODERMATA: Asteroidea     |  |
| <i>Urasterias lincki</i>      |  |
| ECHINODERMATA: Holothuroidea  |  |
| <i>Myriotrochus rinki</i>     |  |
| ECTOPROCTA                    |  |
| <i>Carbasea carbasea</i>      |  |
| MOLLUSCA: Gastropoda          |  |
| <i>Acanthodoris pilosa</i>    |  |
| <i>Buccinum polare</i>        |  |
| <i>Dendronotus frondosus</i>  |  |
| <i>Lunatia pallida</i>        |  |
| <i>Natica clausa</i>          |  |
| <i>Neptunea heros</i>         |  |
| <i>Oenopota cinerea?</i>      |  |
| <i>Plicifusus kroyeri</i>     |  |

Table 13. Benthic invertebrates collected by net from station 60-1003,  
2 Aug 1960.

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Species

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ARTHROPODA: Amphipoda  
*Gammarus setosus*

Table 14. Benthic invertebrates collected by net and trawl from station  
60-1004, 27 Jul; 60-1011, 4 Aug; 60-1012, 5 Aug 1960.

---

Species

---

ARTHROPODA: Amphipoda  
*Atylus carinatus*  
*Gammarus setosus*

ARTHROPODA: Decapoda  
*Eualus gaimardi*

CHORDATA: Ascidiacea  
*Rhizomolgula globularis*

ECHINODERMATA: Holothuroidea  
*Myriotrochus rinki*

MOLLUSCA: Gastropoda  
*Acanthodoris pilosa*  
*Admete couthouyi*

MOLLUSCA: Pelecypoda  
*Clinocardium ciliatum?*  
*Cyrtodaria kurriana*  
*Liocyma fluctuosa*  
*Portlandia arctica*  
*Portlandia intermedia* (as *Yoldiella*)

Table 15. Benthic invertebrates collected by dredge, net and trawl from station 60-1007, 1 Aug; 60-1025, 14 Aug; 60-1026, 15 Aug 1960.

| Species   | Species  |
|---|--|
| ARTHROPODA: Amphipoda<br><i>Acanthostephea malmgreni</i><br><i>Gammarus setosus</i><br><i>Haploops laevis</i> (as <i>H. tubicola</i> )<br><i>Boeckosimus affinis</i> (as <i>Poesodalibrotus glacialis</i> ) | COELENTERATA: Hydrozoa<br><i>Sertularella tricuspidata</i>   |
| ARTHROPODA: Isopoda<br><i>Mesidotea sabini</i>  | ECHINODERMATA: Holothuroidea<br><i>Myriotrochus rinki</i>  |
| CHORDATA: Ascidiacea<br><i>Rhizomolgula globularis</i>  | MOLLUSCA: Gastropoda<br><i>Neptunea heros</i>  |
| COELENTERATA: Anthozoa<br><i>Tealia felina</i>  | MOLLUSCA: Pelecypoda<br><i>Cyrtodaria kurriana</i><br><i>Musculus corrugatus</i><br><i>Portlandia arctica</i> (f. <i>portlandica</i> & <i>siliqua</i> )<br><i>Portlandia intermedia</i> (as <i>Yoldiella</i> ) |
|   | PRIAPULIDA<br><i>Priapulus caudatus</i>  |

Table 16. Benthic invertebrates collected by trawl from station 60-1008, 1 Aug 1960.

| Species  | Species   |
|--|---|
| ANNELIDA: Polychaeta<br><i>Antinoella sarsi</i> (as <i>Antinoe</i> )<br><i>Harmothoe extenuata</i>                 | ECTOPROCTA<br><i>Hincksina nigrans</i>  |
| ARTHROPODA: Amphipoda<br><i>Atylus carinatus</i><br><i>Gammaracanthus loricatus</i><br><i>Weyprechtia heuglini</i> | MOLLUSCA: Gastropoda<br><i>Amauropsis purpurea</i><br><i>Lunatia pallida</i><br><i>Natica clausa</i><br><i>Onchidiopsis kingmaruensis</i><br><i>Plicifusus kroyeri</i>  |
| ARTHROPODA: Decapoda<br><i>Eualus g. belcheri</i>  | MOLLUSCA: Pelecypoda<br><i>Astarte borealis</i> (f. <i>placenta</i> )<br><i>Astarte montagui</i> (f. <i>warhami</i> )<br><i>Lyonsia arenosa</i><br><i>Macoma moesta</i><br><i>Musculus discors</i> (f. <i>substriatus</i> )<br><i>Pandora glacialis</i><br><i>Portlandia arctica</i> (f. <i>siliqua</i> ) |
| ARTHROPODA: Isopoda<br><i>Mesidotea entomon</i><br><i>Mesidotea sabini</i><br><i>Mesidotea sibirica</i>            |   |
| CHORDATA: Ascidiacea<br><i>Molgula griffithsi</i>  |   |



Table 17. Benthic invertebrates collected by trawl from station 60-1009,  
2 Aug 1960.

| Species  | Species  |
|--|--|
| ANNELIDA: Polychaeta<br><i>Melaenis loveni</i>                                       | MOLLUSCA: Gastropoda<br><i>Admete couthouyi</i><br><i>Buccinum angulosum</i><br><i>Buccinum scalariforme</i> (as <i>B. tenue</i> )<br><i>Colus togatus</i><br><i>Lunatia pallida</i><br><i>Natica clausa</i><br><i>Neptunea heros</i><br><i>Plicifusus kroyeri</i><br><i>Trichotropis borealis</i>   |
| ARTHROPODA: Amphipoda<br><i>Acanthostepheia malmgreni</i>                            |  |
| ARTHROPODA: Decapoda<br><i>Eualus gaimardi</i><br><i>Sabinea septemcarinata</i>      |  |
| CHORDATA: Ascidiacea<br><i>Pelonaia corrugata</i>                                    | MOLLUSCA: Pelecypoda<br><i>Astarte borealis</i> (f. <i>placenta</i> )<br><i>Astarte montagui</i> (f. <i>warhami</i> )<br><i>Clinocardium ciliatum?</i><br><i>Cuspidaria arctica</i><br><i>Musculus discors</i> (f. <i>substriata</i> )<br><i>Musculus niger</i><br><i>Nucula belloti</i><br><i>Nuculana pernula</i><br><i>Serripes groenlandicus</i> |
| COELENTERATA: Anthozoa<br><i>Allantactis parasitica</i>                              |  |
| ECHINODERMATA: Asteroidea<br><i>Leptasterias polaris</i><br><i>Urasterias lincki</i> |  |

Table 18. Benthic invertebrates collected by trawl from station 60-1010,  
3 Aug 1960.

| Species  |
|--|
| ARTHROPODA: Amphipoda<br><i>Atylus carinatus</i><br><i>Gammarus setosus</i><br><i>Onisimus litoralis</i> (as <i>Pseudolibrotus nanseni</i> ) |
| ARTHROPODA: Decapoda<br><i>Eualus gaimardi</i>   |
| ARTHROPODA: Isopoda<br><i>Mesidotea sibirica</i>   |

Table 19. Benthic invertebrates collected by trawl from station 60-1013,  
6 Aug 1960.

| Species                                       | Species  |
|---|--|
| ANNELIDA: Polychaeta                          | MOLLUSCA: Gastropoda                               |
| <i>Nereis zonata</i>                          | <i>Buccinum scalariforme</i> (as <i>B. tenue</i> ) |
| <i>Phyllodoce groenlandica</i>                | <i>Colus togatus</i>                               |
| <i>Spiochaetopterus typicus</i>               |  |
| ARTHROPODA: Amphipoda                         | MOLLUSCA: Pelecypoda                               |
| <i>Ampelisca eschrichti</i>                   | <i>Hiatella arctica</i>                            |
| <i>Ischyrocerus latipes</i>                   | <i>Liocyma fluctuosa</i>                           |
| <i>Rhachotropis aculeata</i>                  | <i>Macoma calcarea</i>                             |
| <i>Stegocephalus inflatus</i>                 |  |
| <i>Weyprechtia heuglini</i>                   |  |
| ARTHROPODA: Decapoda                          |  |
| <i>Eualus gaimardi</i>                        |  |
| <i>Sabinea septemcarinata</i>                 |  |
| ARTHROPODA: Pycnogonida                       |  |
| <i>Nymphon longitarse</i>                     |  |
| COELENTERATA: Anthozoa                        |  |
| <i>Allantactis parasitica</i>                 |  |
| COELENTERATA: Hydrozoa                        |  |
| Hydrozoans                                    |  |
| ECHINODERMATA: Asteroidea                     |  |
| <i>Leptasterias groenlandica</i>              |  |
| <i>Pteraster obscurus</i>                     |  |
| <i>Solaster papposus</i>                      |  |
| ECHINODERMATA: Crinoidea                      |  |
| <i>Heliometra glacialis</i>                   |  |
| ECHINODERMATA: Echinoidea                     |  |
| <i>Strongylocentrotus droebachiensis</i>      |  |
| ECHINODERMATA: Holothuroidea                  |  |
| <i>Cucumaria calcigera?</i>                   |  |
| ECHINODERMATA: Ophiuroidea                    |  |
| <i>Amphiura sundevalli</i>                    |  |
| <i>Gorgonocephalus caryi</i> ( <i>caryi</i> ) |  |
| <i>Ophiacantha bidenta</i>                    |  |
| <i>Ophiocten sericeum</i>                     |  |
| <i>Ophiura robusta</i>                        |  |
| ECTOPROCTA                                    |  |
| Bryozoans                                     |  |

Table 20. Benthic invertebrates collected by trawl from station 60-1014,  
6 Aug 1960.

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Species

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ARTHROPODA: Amphipoda  
*Acanthostepheia malmgreni*  
*Atylus carinatus*

Table 21. Benthic invertebrates collected by trawl from station 60-1015,  
6 Aug 1960.

---

Species

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ARTHROPODA: Amphipoda  
*Atylus carinatus*  
*Gammarus setosus*

Table 22. Benthic invertebrates collected by trawl from station 60-1016,  
6 Aug 1960.

---

Species

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ANNELIDA: Polychaeta  
*Harmothoe imbricata*

ARTHROPODA: Amphipoda  
*Weyprechtia heuglini*

ARTHROPODA: Decapoda  
*Eualus gaimardi*

ARTHROPODA: Isopoda  
*Mesidotea entomon*

---

Species

---

CHORDATA: Ascidiacea  
*Rhizomolgula globularis*

COELENTERATA: Anthozoa  
*Tealia felina*

ECHINODERMATA: Asteroidea  
*Urasterias lincki*

MOLLUSCA: Gastropoda  
*Natica clausa*

Table 23. Benthic invertebrates collected by hand from beach at Warren Point, 17 Aug 1960.

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Species

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MOLLUSCA: Pelecypoda  
*Cyrtodaria kurriana*  
*Macoma balthica?* (as *M. inconspicua*)  
*Portlandia arctica*

Table 24. Benthic invertebrates collected by net from station 60-1031, 19 Aug 1960.

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Species

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ARTHROPODA: Amphipoda  
*Onisimus glacialis* (as *Pseudalibrotus nanseni*)  
*Onisimus litoralis* (as *Pseudalibrotus nanseni*)  
*Weyprechtia heuglini*

ARTHROPODA: Decapoda  
*Eualus gaimardi*

Table 25. Benthic invertebrates collected by trawl and net from station 60-1035, 60-1036, 25 Aug 1960.

| Species   | Species  |
|---|--|
| ANNELIDA: Polychaeta                              | MOLLUSCA: Gastropoda                               |
| <i>Aglaophamus malmgreni</i> (as <i>Nephtys</i> ) | <i>Buccinum angulosum</i>                          |
| <i>Artacama proboscidea</i>                       | <i>Buccinum scalariforme</i> (as <i>B. tenue</i> ) |
| <i>Pista maculata</i>                             | <i>Colus martensi</i> (as <i>Anomalosipho</i> )    |
| <i>Spiochaetopterus typicus</i>                   | <i>Colus roseus</i>                                |
| ARTHROPODA: Amphipoda                             | <i>Colus verkruzeni?</i> (as <i>Anomalosipho</i> ) |
| <i>Acanthostepheia malmgreni</i>                  | <i>Lunatia pallida</i>                             |
| <i>Gammaracanthus loricatus</i>                   | <i>Natica clausa</i>                               |
| <i>Stegocephalus inflatus</i>                     | <i>Neptunea heros</i>                              |
| ARTHROPODA: Decapoda                              | <i>Plicifusus kroyeri</i>                          |
| <i>Eualus gaimardi</i>                            | MOLLUSCA: Pelecypoda                               |
| <i>Sabinea septemcarinata</i>                     | <i>Astarte borealis</i> (f. <i>placenta</i> )      |
| ARTHROPODA: Isopoda                               | <i>Astarte montagui</i> (f. <i>warhami</i> )       |
| <i>Mesidotea sabini</i>                           | <i>Clinocardium ciliatum?</i>                      |
| ARTHROPODA: Pycnogonida                           | <i>Macoma moesta</i>                               |
| <i>Nymphon grossipes</i>                          |  |
| CHORDATA: Ascidiacea                              |  |
| <i>Dendrodoa pulchella</i>                        |  |
| COELENTERATA: Anthozoa                            |  |
| <i>Actinostola spetsbergensis</i>                 |  |
| <i>Allantactis parasitica</i>                     |  |
| <i>Hormathia nodosa</i>                           |  |
| ECHINODERMATA: Asteroidea                         |  |
| <i>Urasterias lincki</i>                          |  |
| ECHINODERMATA: Holothuroidea                      |  |
| <i>Myriotrochus rinki</i>                         |  |
| ECTOPROCTA  |  |
| <i>Carbasea carbasea</i>                          |  |

Table 26. Benthic invertebrates collected by trawl from station 60-1039,  
26 Aug 1960.

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Species

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CHORDATA: Ascidiacea  
*Rhizomolgula globularis*

MOLLUSCA: Pelecypoda  
*Cyrtodaria kurriana*

Table 27. Benthic invertebrates collected by trawl from station 60-1043 and  
60-1044, 31 Aug 1960.

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Species

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ANNELIDA: Polychaeta  
*Aglaophamus malmgreni* (as *Nephtys*)  
*Scoloplos armiger* (as *Haploscoloplos elongatus*)

ARTHROPODA: Amphipoda  
*Atylus carinatus*

MOLLUSCA: Gastropoda  
*Amauropsis purpurea*

MOLLUSCA: Pelecypoda  
*Cyrtodaria kurriana*  
*Hiatella arctica*  
*Liocyma fluctuosa*  
*Portlandia arctica* (f. *portlandica*)

Table 28. Benthic invertebrates collected by net from station 61-1004,  
2 Jul 1961.

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Species

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MOLLUSCA: Pelecypoda  
*Cyrtodaria kurriana*

Table 29. Benthic invertebrates collected by trawl from station 61-1008,  
6 Jul 1961.

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Species

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ARTHROPODA: Isopoda :  
*Mesidotea entomon*

Table 30. Benthic invertebrates collected by trawl from station 61-1009,  
6 Jul 1961.

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Species

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ARTHROPODA: Isopoda  
*Mesidotea entomon*

MOLLUSCA: Gastropoda  
*Amauropsis purpurea*

Table 31. Benthic invertebrates collected by trawl from station 61-1010,  
6 Jul 1961.

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Species

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MOLLUSCA: Pelecypoda  
*Cyrtodaria kurriana*

Table 32. Benthic invertebrates collected by net from station 61-1011,  
9 Jul 1961.

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Species

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MOLLUSCA: Pelecypoda  
*Macoma balthica* (as *M. inconspicua*)

Table 33. Benthic invertebrates collected by net and hand from station  
61-1012A and 61-1012B, 9 Jul 1961.

---

Species

ARTHROPODA: Cirripedia  
*Balanus crenatus*

ECHINODERMATA: Asteroidea  
*Urasterias lincki*

MOLLUSCA: Gastropoda  
*Neptunea heros*

---

Species

MOLLUSCA: Pelecypoda  
*Astarte borealis* (placenta)  
*Musculus discors* (f. *laevigatus*  
& *substriatus*)  
*Mytilus edulis*  
*Serripes groenlandicus*

Table 34. Benthic invertebrates collected by trawl from station 61-1014,  
10 Jul 1961.

---

Species

ECHINODERMATA: Asteroidea  
*Urasterias lincki*

ECHINODERMATA: Holothuroidea  
*Myriotrochus rinki*

MOLLUSCA: Gastropoda  
*Onchidiopsis glacialis*

---

Species

PRIAPULIDA  
*Priapulius caudatus*

MOLLUSCA: Pelecypoda  
*Astarte borealis* (f. *placenta*)  
*Portlandia arctica* (f. *siliqua*)



Table 35. Benthic invertebrates collected by trawl from station 61-1015,  
10 Jul 1961.

| Species   | Species  |
|---|--|
| ANNELIDA: Polychaeta<br><i>Gattyana cirrosa</i><br><i>Pectinaria hyperborea</i> | MOLLUSCA: Gastropoda<br><i>Plicifusus kroyeri</i>  |
| ARTHROPODA: Isopoda<br><i>Mesidotea sabinii</i><br><i>Mesidotea sibirica</i>    | MOLLUSCA: Pelecypoda<br><i>Cyrtodaria kurriana</i><br><i>Hiatella arctica</i><br><i>Macoma calcarea</i><br><i>Macoma moesta</i>    |
| ARTHROPODA: Pycnogonida<br><i>Nymphon grossipes</i>                             | <i>Musculus corrugatus</i><br><i>Musculus discors</i> (f. <i>laevigatus</i> )<br><i>Musculus niger</i><br><i>Pandora glacialis</i> |
| COELENTERATA: Anthozoa<br><i>Gersemia rubiformis</i>                            |  |
| COELENTERATA: Hydrozoa<br><i>Sertularia similis</i>                             |  |
| ECTOPROCTA<br><i>Carbasea carbasea</i><br><i>Escharella ventricosa</i>          |  |

Table 36. Benthic invertebrates collected by trawl from station 61-1016,  
11 Jul 1961.

| Species   |
|---|
| ARTHROPODA: Amphipoda<br><i>Atylus carinatus</i>  |
| ARTHROPODA: Cirripedia<br><i>Balanus balanoides</i>   |
| MOLLUSCA: Pelecypoda<br><i>Astarte borealis</i> (f. <i>placenta</i> )<br><i>Cyrtodaria kurriana</i><br><i>Lyonsia arenosa</i><br><i>Macoma moesta</i><br><i>Musculus corrugatus</i><br><i>Pandora glacialis</i><br><i>Portlandia arctica</i> (f. <i>siliqua</i> ) |

Table 37. Benthic invertebrates collected by trawl from station 61-1017,  
11 Jul 1961.

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Species

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ARTHROPODA: Amphipoda  
*Acanthostepheia malmgreni*  
*Atylus carinatus*  
*Weyprechtia heuglini*

ARTHROPODA: Decapoda  
*Eualus gaimardi*  
*Sabineá septemcarinata*

ECHINODERMATA: Asteroidea  
*Urasterias lincki*

MOLLUSCA: Gastropoda  
*Lunatia pallida*  
*Neptunea heros*

MOLLUSCA: Pelecypoda  
*Astarte borealis* (f. *placenta*)  
*Macoma calcarea*  
*Macoma moesta*  
*Musculus niger*  
*Yoldia hyperborea* (*hyperborea*)

Table 38. Benthic invertebrates collected by net from station 61-1018,  
61-1019, 11 + 12 Jul 1961.

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Species

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ARTHROPODA: Amphipoda  
*Boeckosimus affinis* (as *Pseudalibrotus nansenii* or *P. glacialis*)

ARTHROPODA: Isopoda  
*Mesidotea entomon*

Table 39. Benthic invertebrates collected by trawl from station 61-1021,  
12 Jun 1961.

| Species   | Species  |
|---|--|
| ARTHROPODA: Amphipoda<br><i>Atylus carinatus</i><br><i>Onisimus litoralis</i> (as <i>Pseudalibrotus nanseni</i> ) | MOLLUSCA: Gastropoda<br><i>Dendronotus robustus</i><br><i>Neptunea heros</i>                               |
| CHORDATA: Ascidiacea<br><i>Molgula siphonalis</i>   | MOLLUSCA: Pelecypoda<br><i>Clinocardium ciliatum?</i><br><i>Hiatella arctica</i><br><i>Macoma calcarea</i> |
| COELENTERATA: Anthozoa<br><i>Tealia felina</i>  | <i>Musculus discors</i> (f. <i>laevigatus</i> and <i>substriatus</i> )<br><br><i>Musculus niger</i>        |
| ECHINODERMATA: Holothuroidea<br><i>Myriotrochus rinkii</i>  | <i>Mytilus edulis</i><br><i>Portlandia arctica</i> (f. <i>portlandica</i> )                                |

Table 40. Benthic invertebrates collected by net from station 61-1023,  
14 Jul 1961.

| Species  |
|--|
| MOLLUSCA: Pelecypoda<br><i>Macoma balthica</i> |

Table 41. Benthic invertebrates collected by dredge from station 61-1026,  
15 Jul 1961.

| Species   | Species   |
|---|---|
| ARTHROPODA: Amphipoda<br><i>Atylus carinatus</i><br><i>Boeckosimus affinis</i> (as <i>Pseudalibrotus glacialis</i> )<br><i>Weyprechtia heuglini</i> | MOLLUSCA: Gastropoda<br><i>Amauropsis purpurea</i><br><i>Oenopota cinerea?</i>                      |
| CHORDATA: Ascidiacea<br><i>Rhizomolgula globularis</i>  | MOLLUSCA: Pelecypoda<br><i>Mytilus edulis</i><br><i>Portlandia arctica</i> (f. <i>portlandica</i> ) |

Table 42. Benthic invertebrates collected by hand from station 61-1027,  
16 Jul 1961.

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Species

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ARTHROPODA: Amphipoda  
*Gammarus setosus*

Table 43. Benthic invertebrates collected by dredge from station 61-1032,  
18 Jul 1961.

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Species

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MOLLUSCA: Pelecypoda  
*Macoma balthica* (as *M. inconspicua*)  
*Musculus niger*  
*Mytilus edulis*

Table 44. Benthic invertebrates collected by net from station 61-1040,  
21 Jul 1961.

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Species

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ARTHROPODA: Amphipoda  
*Boeckosimus affinis* (as *Pseudalibrotus glacialis*)  
*Gammarus setosus*  
*Pontoporeia femorata*

MOLLUSCA: Pelecypoda  
*Macoma balthica* (as *M. inconspicua*)  
*Portlandia intermedia* (as *Yoldiella*)

Table 45. Benthic invertebrates collected by trawl from station 61-1053A,  
1 Aug 1961.

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Species

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CHORDATA: Ascidiacea  
*Rhizomolgula globularis*

Table 46. Benthic invertebrates collected by net from station 61-1066,  
7 Aug 1961.

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Species

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MOLLUSCA: Pelecypoda  
*Mytilus edulis*

Table 47. Benthic invertebrates collected by net from station 61-1068,  
8 Aug 1961.

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Species

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ARTHROPODA: Amphipoda  
*Boeckosimus affinis* (as *Pseudalibrotus glacialis*)

Table 48. Benthic invertebrates collected by trawl from station 61-1071,  
8 Aug 1961.

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Species

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ARTHROPODA: Amphipoda

*Atylus carinatus*

*Gammarus setosus*

MOLLUSCA: Gastropoda

*Amauropsis purpurea*

MOLLUSCA: Pelecypoda

*Mytilus edulis*

*Portlandia arctica* (f. *portlandica*)

*Portlandia intermedia* (as *Yoldiella*)

Table 49. Benthic invertebrates collected by trawl from station 61-1073,  
11 Aug 1961.

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Species :

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ARTHROPODA: Amphipoda

*Atylus carinatus*

MOLLUSCA: Pelecypoda

*Astarte borealis* (f. *placenta*)

*Mytilus edulis*

Table 50. Benthic invertebrates collected by trawl from station 61-1074,  
13 Aug 1961.

---

Species

---

MOLLUSCA: Gastropoda

*Buccinum* sp.

MOLLUSCA: Pelecypoda

*Astarte borealis* (f. *placenta*)

*Mytilus edulis*

Table 51. Benthic invertebrates collected by trawl from station 61-1082,  
19 Aug 1961.

| Species  | Species   |
|--|---|
| ARTHROPODA: Amphipoda                              | MOLLUSCA: Pelecypoda                            |
| <i>Anonyx nugax</i>                                | <i>Musculus corrugatus</i>                      |
| <i>Arrhis phyllonyx</i>                            | <i>Musculus discors</i> (f. <i>laevigatus</i> ) |
| <i>Boeckosimus affinis</i>                         | <i>Musculus niger</i>                           |
| <i>Haploops leewis</i> (as <i>H. tubicola</i> )    | <i>Mytilus edulis</i>                           |
|  | <i>Nucula belloti</i>                           |
| ARTHROPODA: Decapoda                               | <i>Nuculana pernula</i>                         |
| <i>Eualus gaimardi</i>                             | <i>Portlandia arctica</i> (f. <i>siliqua</i> )  |
| <i>Sabinea septemcarinata</i>                      | <i>Yoldia hyperborea</i> ( <i>hyperborea</i> )  |
|  |   |
| ARTHROPODA: Isopoda                                |   |
| <i>Mesidotea sabini</i>                            |   |
| <i>Munnopsis typica</i>                            |   |
|  |   |
| CHORDATA: Ascidiacea                               |   |
| <i>Dendrodoa pulchella</i>                         |   |
| <i>Styela rustica</i>                              |   |
|  |   |
| COELENTERATA: Anthozoa                             |   |
| <i>Actinostola spetzbergensis</i>                  |   |
|  |   |
| ECHINODERMATA: Asteroidea                          |   |
| <i>Solaster papposus</i>                           |   |
| <i>Urasterias lincki</i>                           |   |
|  |   |
| ECHINODERMATA: Ophiuroidea                         |   |
| <i>Gorgonocephalus arcticus</i>                    |   |
| <i>Ophiocten sericeum</i>                          |   |
|  |   |
| MOLLUSCA: Gastropoda                               |   |
| <i>Admete couthouyi</i>                            |   |
| <i>Buccinum scalariforme</i> (as <i>B. tenue</i> ) |   |
| <i>Colus roseus</i>                                |   |
| <i>Colus verkruzeni</i> (as <i>Anomalosipho</i> )  |   |
| <i>Lunatia pallida</i>                             |   |
| <i>Natica clausa</i>                               |   |
| <i>Neptunea heros</i>                              |   |
| <i>Oenopota bicarinata</i>                         |   |
| <i>Plicifusus kroyeri</i>                          |   |
|  |   |
| MOLLUSCA: Pelecypoda                               |   |
| <i>Astarte borealis</i> (f. <i>placenta</i> )      |   |
| <i>Clinocardium ciliatum?</i>                      |   |
| <i>Liocyma fluctuosa</i>                           |   |
| <i>Lyonsia arenosa</i>                             |   |
| <i>Macoma calcarea</i>                             |   |
| <i>Macoma moesta</i>                               |   |
| <i>Macoma torelli</i>                              |   |

Table 52. Benthic invertebrates collected by net from station 61-1086,  
21 Aug 1961.

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Species

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ARTHROPODA: Isopoda  
*Mesidotea entomon*

Table 53. Benthic invertebrates collected by trawl from station 61-1088,  
22 Aug 1961.

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Species

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ARTHROPODA: Isopoda  
*Mesidotea entomon*

Table 54. Benthic invertebrates collected by dredge from station 61-1089,  
23 Aug 1961.

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Species

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ECHINODERMATA: Asteroidea  
*Urasterias lincki*



Table 55. Benthic invertebrates collected by trawl from station 61-1093, 26 Aug 1961.

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Species

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ARTHROPODA: Amphipoda  
*Weyprechtia heuglini*

ARTHROPODA: Decapoda  
*Eualus gaimardi*  
*Sabinea septemcarinata*

ARTHROPODA: Isopoda  
*Mesidotea sabini*  
*Mesidotea sibirica*

MOLLUSCA: Pelecypoda  
*Lyonsia arenosa*  
*Pandora glacialis*  
*Portlandia arctica* (f. *siliqua*)

Table 56. Benthic invertebrates collected by net and trawl from station 62-0001, 13 Jul; 62-0002, 14 Jul; 62-0003, 17 Jul; 62-0006, 21 Jul; 62-0008, 24 Jul; 62-0019, 3 Aug 1962.

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Species

ARTHROPODA: Amphipoda  
*Gammaracanthus loricatus*  
*Gammarus setosus*

ARTHROPODA: Isopoda  
*Mesidotea entomon*

CHORDATA: Ascidiacea  
*Styela coriacea*  
*Styela rustica*

COELENTERATA: Hydrozoa  
*Corymorpha groenlandica*

ECTOPROCTA  
*Eucratea loricata*

---

Species

MOLLUSCA: Gastropoda  
*Buccinum angulosum*  
*Buccinum maltzani*  
*Lunatia pallida*  
*Trichotropis borealis*

MOLLUSCA: Pelecypoda  
*Astarte borealis* (f. *placenta*)  
*Macoma calcarea*  
*Musculus discors* (f. *laevigatus*)  
*Mytilus edulis*  
*Portlandia arctica* (f. *portlandica*)

Table 57. Benthic invertebrates collected by trawl from station 62-0009,  
25 Jul 1962.

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Species

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ECTOPROCTA  
*Cystisella saccata*  
*Hincksina nigrans*  
*Smittina majuscula*

Table 58. Benthic invertebrates collected by trawl from station 62-0010,  
26 Jul 1962.

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Species

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ARTHROPODA: Amphipoda  
*Atylus carinatus*

Table 59. Benthic invertebrates collected by net and trawl from station  
62-0012, 29 Jul and 62-0014, 30 Jul 1962.

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Species

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ARTHROPODA: Amphipoda  
*Boeckosimus affinis*  
*Gammarus setosus* (as *Pseudalibrotus glacialis*)

Table 60. Benthic invertebrates collected by trawl from station 62-0016,  
1 Aug 1962.

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Species

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ARTHROPODA: Amphipoda  
*Atylus carinatus*

Table 61. Benthic invertebrates collected by net from station 62-0025,  
9 Aug 1962.

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Species

---

ARTHROPODA: Amphipoda  
*Boeckosimus affinis*  
*Gammarus setosus*

Table 62. Benthic invertebrates collected by dredge from station 62-0032,  
12 Aug 1962.

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Species

CHORDATA: Ascidiacea  
*Cnemidocarpa rhizopus*  
*Styela rustica*

COELENTERATA: Hydrozoa  
*Gonothyrea loveni*  
*Lafoeina maxima*  
*Thuiaria alternitheca*

ECHINODERMATA: Asteroidea  
*Urasterias lincki*

ECTOPROCTA  
*Carbasea carbasea*  
*Eucratea loricata*  
*Hyppothoa hyalina*

---

Species

MOLLUSCA: Gastropoda  
*Lunatia pallida*

MOLLUSCA: Pelecypoda  
*Astarte borealis* (f. placenta)  
*Musculus discors* (f. laevigatus  
and substriatus)

*Musculus niger*  
*Mytilus edulis*

Table 63. Benthic invertebrates collected by trawl from station 62-0033,  
13 Aug 1962.

| Species  | Species   |
|--|---|
| ARTHROPODA: Amphipoda<br><i>Acanthostepheia malmgreni</i><br><i>Byblis gaimardi</i><br><i>Weyprechtia heuglini</i> | ECHINODERMATA: Ophiuroidea<br><i>Ophiocten sericeum</i> |
| ARTHROPODA: Decapoda<br><i>Argis dentata</i><br><i>Eualus gaimardi</i>   | ECTOPROCTA<br><i>Membranipora serrulata</i>             |
| ARTHROPODA: Isopoda<br><i>Mesidotea sabini</i><br><i>Mesidotea sibirica</i>  | MOLLUSCA: Gastropoda<br><i>Dendronotus robustus</i>     |
| ECHINODERMATA: Asteroidea<br><i>Urasterias lincki</i>  |   |
| ECHINODERMATA: Holothuroidea<br><i>Myriotrochus rinki</i><br><i>Psolus phantapus</i>                               |   |

Table 64. Benthic invertebrates collected by net from station 62-0034,  
14 Aug; 62-0035, 14 Aug; 62-0038, 17 Aug; 62-0039, 17 Aug 1962.

| Species   | Species  |
|---|--|
| ARTHROPODA: Amphipoda<br><i>Acanthostepheia behringiensis</i><br><i>Acanthostepheia malmgreni</i><br><i>Boeckosimus affinis</i><br><i>Byblis</i> sp.<br><i>Gammarus oceanicus</i><br><i>Gammarus setosus</i><br><i>Onisimus litoralis</i> | ARTHROPODA: Decapoda<br><i>Eualus gaimardi</i>                             |
| ARTHROPODA: Cumacea<br><i>Diastylis rathkei</i>   | ARTHROPODA: Isopoda<br><i>Mesidotea entomon</i><br><i>Mesidotea sabini</i> |

Table 65. Benthic invertebrates collected by trawl from station 62-0042,  
21 Aug 1962.

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Species

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ARTHROPODA: Amphipoda

*Anonyx nugax*

*Rhachotropis aculeata*

ARTHROPODA: Decapoda

*Eualus gaimardi*

*Sabinea septemcarinata*

*Spirontocaris spinus*

ARTHROPODA: Isopoda

*Mesidotea sabini*

*Synidotea bicuspidata*

ECHINODERMATA: Asteroidea

*Ctenodiscus crispatus*

*Leptasterias groenlandica*

*Urasterias lincki*

ECHINODERMATA: Holothuroidea

*Myriotrochus rinki*

ECHINODERMATA: Ophiuroidea

*Ophiocten sericeum*

MOLLUSCA: Gastropoda

*Buccinum angulosum*

*Buccinum polare*

*Buccinum scalariforme* (as *B. tenue*)

*Cylichna alba*

*Natica clausa*

*Neptunea heros*

*Plicifusus kroyeri*

*Tachyrhynchus erosus*

*Volutopsius deformis*

MOLLUSCA: Pelecypoda

*Clinocardium ciliatum*

*Liocyma fluctuosa*

*Macoma calcarea*

*Musculus niger*

*Yoldia hyperborea* (*hyperborea*)

Table 66. Benthic invertebrates collected by trawl from station 62-0043,  
21 Aug 1962.

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Species

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ARTHROPODA: Amphipoda  
*Acanthostepheia malmgreni*

ARTHROPODA: Decapoda  
*Argis dentata*  
*Eualus gaimardi*  
*Eualus g. belcheri*  
*Lebbeus groenlandicus*  
*Sabinea septemcarinata*

ARTHROPODA: Isopoda  
*Mesidotea sabini*  
*Synidotea bicuspidata*

COELENTERATA: Anthozoa  
*Allantactis parasitica*

ECHINODERMATA: Asteroidea  
*Ctenodiscus crispatus*  
*Icasterias panopla*  
*Pontaster tenuispinus*  
*Urasterias lincki*

ECHINODERMATA: Ophiuroidea  
*Gorgonocephalus caryi (japonicus)*  
*Ophiacantha bidentata*  
*Ophiocten sericeum*

MOLLUSCA: Gastropoda  
*Buccinum polare*  
*Buccinum scalariforme (as B. tenue)*  
*Colus togatus*  
*Dendronotus sp.*  
*Natica clausa*

MOLLUSCA: Pelecypoda  
*Clinocardium ciliatum?*  
*Musculus niger*  
*Nuculana pernula*  
*Pecten groenlandicus (as Delectopecten)*

Table 67. Benthic invertebrates collected by trawl from station 62-0047,  
25 Aug 1962.

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Species

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ECHINODERMATA: Holothuroidea  
*Myriotrochus rinki*

Table 68. Benthic invertebrates collected by trawl from station 62-0048,  
and 62-0049, 29 Aug 1962.

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Species

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Species

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ARTHROPODA: Amphipoda  
*Pleustes panoplus*

ARTHROPODA: Decapoda  
*Spirontocaris phippsi*

ARTHROPODA: Isopoda  
*Synidotea bicuspidata*

ECHINODERMATA: Asteroidea  
*Leptasterias groenlandica*  
*Urasterias lincki*

ECHINODERMATA: Ophiuroidea  
*Ophiacantha bidentata*

ECTOPROCTA  
*Hincksina nigrans*  
*Tegella armifera*

MOLLUSCA: Gastropoda  
*Margarites costalis*

MOLLUSCA: Pelecypoda  
*Astarte montagui* (f. *warhami*)  
*Macoma calcarea*  
*Macoma moesta*  
*Musculus discors* (f. *laevigatus*)  
*Mya truncata*  
*Mytilus edulis*

Table 69. Benthic invertebrates collected by trawl from station 63-0001,  
19 Jul 1963.

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Species

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ARTHROPODA: Amphipoda  
*Gammarus setosus*  
*Rhachotropis aculeata*

ARTHROPODA: Decapoda  
*Spirontocaris phippsi*

Table 70. Benthic invertebrates collected by trawl from station 63-0003,  
19 Jul 1963.

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Species

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ARTHROPODA: Cirripedia  
*Balanus balanus*

ARTHROPODA: Decapoda  
*Eualus gaimardi*  
*Hyas coarctatus*  
*Lebbeus groenlandicus*  
*Lebbeus polaris*  
*Sabinea septemcarinata*  
*Spirontocaris phippsi*

CHORDATA: Ascidiacea  
*Boltenia echinata*

ECHINODERMATA: Echinoidea  
*Strongylocentrotus droebachiensis*

ECHINODERMATA: Holothuroidea  
*Myriotrochus rinki*

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Species

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ECHINODERMATA: Ophiuroidea  
*Ophiocten sericeum*  
*Ophiura robusta*

MOLLUSCA: Amphineura  
*Tonicella marmorea*

MOLLUSCA: Gastropoda  
*Onchidiopsis glacialis*



Table 71. Benthic invertebrates collected by trawl from station 63-0004,  
24 Jul 1963.

| Species                                  | Species  |
|--|--|
| ANNELIDA: Polychaeta                     | ECHINODERMATA: Holothuroidea                       |
| <i>Chone infundibuliformis</i>           | <i>Myriotrochus rinkii</i>                         |
| <i>Harmothoe nodosa</i>                  | <i>Psolus fabricii</i>                             |
| <i>Laonice cirrata</i>                   | ECHINODERMATA: Ophiuroidea                         |
| <i>Onuphis conchylega</i>                | <i>Ophiocten sericeum</i>                          |
| <i>Pectinaria hyperborea</i>             | <i>Ophiopleura borealis</i>                        |
| <i>Scalibregma inflatum</i>              | MOLLUSCA: Gastropoda                               |
| <i>Spiochaetopterus typicus</i>          | <i>Boreotrophon clathratus</i>                     |
| <i>Terebellides stroemi</i>              | <i>Buccinum angulosum</i>                          |
| ARTHROPODA: Amphipoda                    | <i>Buccinum scalariforme</i> (as <i>B. tenue</i> ) |
| <i>Acanthostepheia malmgreni</i>         | <i>Colus togatus</i>                               |
| <i>Anonyx nugax</i>                      | <i>Lunatia pallida</i>                             |
| <i>Arrhis phyllonyx</i>                  | <i>Tachyrhynchus erosus</i>                        |
| <i>Monoculodes longirostris</i>          | <i>Volutopsius deformis</i>                        |
| <i>Stegocephalus inflatus</i>            | MOLLUSCA: Pelecypoda                               |
| ARTHROPODA: Decapoda                     | <i>Astarte borealis</i>                            |
| <i>Argis dentata</i>                     | <i>Bathyarca glacialis</i>                         |
| <i>Eualus g. belcheri</i>                | <i>Clinocardium ciliatum</i>                       |
| <i>Sabinea septemcarinata</i>            | <i>Macoma moesta</i>                               |
| <i>Spirontocaris spinus</i>              | <i>Musculus niger</i>                              |
| ARTHROPODA: Isopoda                      | <i>Pecten groenlandicus</i>                        |
| <i>Mesidotea sabini</i>                  | <i>Yoldia hyperborea</i> ( <i>hyperborea</i> )     |
| ARTHROPODA: Pycnogonida                  | NEMERTINA  |
| <i>Nymphon longitarse</i>                | Nemertean  |
| BRACHIOPODA                              | PRIAPULIDA   |
| <i>Hemithyris psittacea</i>              | <i>Priapulus caudatus</i>                          |
| COELENTERATA: Anthozoa                   | PORIFERA   |
| <i>Allantactis parasitica</i>            | Sponge   |
| <i>Gersemia rubiformis</i>               | SIPUNCULA  |
| COELENTERATA: Hydrozoa                   | <i>Phascolion strombi</i>                          |
| <i>Gonothyrea loveni</i>                 | Sipunculan   |
| ECHINODERMATA: Asteroidea                |  |
| <i>Ctenodiscus crispatus</i>             |  |
| <i>Urasterias lincki</i>                 |  |
| ECHINODERMATA: Crinoidea                 |  |
| <i>Heliometra glacialis</i>              |  |
| ECHINODERMATA: Echinoidea                |  |
| <i>Strongylocentrotus droebachiensis</i> |  |

Table 72. Benthic invertebrates collected by trawl from station 63-0005,  
25 Jul 1963.

| Species  | Species  |
|--|--|
| ARTHROPODA: Amphipoda<br><i>Acanthostepheia malmgreni</i><br><i>Anonyx nugax</i><br><i>Arrhis phyllonyx</i><br><i>Rozinante fragilis</i> | ECHINODERMATA: Asteroidea<br><i>Ctenodiscus crispatus</i>                                  |
| ARTHROPODA: Decapoda<br><i>Argis dentata</i><br><i>Eualus gaimardi</i><br><i>Sabinea septemcarinata</i>                                  | ECHINODERMATA: Ophiuroidea<br><i>Gorgonocephalus arcticus</i><br><i>Ophiocten sericeum</i> |
| ARTHROPODA: Isopoda<br><i>Mesidotea sabini</i><br><i>Munnopsis typica</i>  | MOLLUSCA: Gastropoda<br><i>Colus togatus</i>   |
| COELENTERATA: Anthozoa<br><i>Allantactis parasitica</i>  |  |

Table 73. Benthic invertebrates collected by trawl from station 63-0006,  
25 Jul 1963.

| Species  | Species  |
|--|--|
| ARTHROPODA: Amphipoda<br><i>Acanthostepheia malmgreni</i><br><i>Epimeria loricata</i><br><i>Stegocephalus inflatus</i>                                 | ECHINODERMATA: Asteroidea<br><i>Pontaster tenuispinus</i><br><i>Poraniomorpha tumida</i>   |
| ARTHROPODA: Decapoda<br><i>Eualus gaimardi</i>   | ECHINODERMATA: Crinoidea<br><i>Heliometra glacialis</i><br><i>Poliometra prolixa?</i>  |
| ARTHROPODA: Isopoda<br><i>Munnopsis typica</i><br><i>Munnopsurus gigantea</i>  | ECHINODERMATA: Ophiuroidea<br><i>Gorgonocephalus arcticus</i><br><i>Gorgonocephalus caryi (japonica)</i><br><i>Ophiacantha bidentata</i><br><i>Ophiocten sericeum</i><br><i>Ophiopleura borealis</i> |
| ARTHROPODA: Pycnogonida<br><i>Boreonymphon ossiansarsi</i><br><i>Nymphon gracilipes</i><br><i>Nymphon hirtipes</i><br><i>Pseudopallene brevicollis</i> |  |

Table 74. Benthic invertebrates collected by trawl from station 63-0007, 26-31 Jul 1963.

| Species                              | Species  |
|--------------------------------------|--|
| ANNELIDA: Polychaeta                 | MOLLUSCA: Gastropoda                               |
| <i>Cirratulus cirratus</i>           | <i>Amauropsis purpurea</i>                         |
| <i>Harmothoe nodosa</i>              | <i>Boreotrophon pacificus</i>                      |
| <i>Nereimyra aphroditoides</i>       | <i>Buccinum scalariforme</i> (as <i>B. tenue</i> ) |
| <i>Sternaspis scutata</i>            | <i>Dentronotus frondosus</i>                       |
|                                      | <i>Dendronotus robustus</i>                        |
| ARTHROPODA: Amphipoda                | <i>Lacuna</i> sp.                                  |
| <i>Acanthostepheia behringiensis</i> | <i>Lunatia pallida</i>                             |
| <i>Ampelisca macrocephala</i>        | <i>Neptunea heros</i>                              |
| <i>Anonyx makarovi</i>               | <i>Oenopota arctica</i>                            |
| <i>Anonyx nugax</i>                  |  |
| <i>Byblis</i> sp.                    | MOLLUSCA: Pelecypoda                               |
| <i>Ischyrocerus latipes</i>          | <i>Astarte borealis</i>                            |
| <i>Orchomene pinguis</i>             | <i>Astarte montagui</i> (f. <i>warhami</i> )       |
| <i>Paroediceros</i> sp.              | <i>Clinocardium ciliatum</i>                       |
| <i>Pleustes panoplus</i>             | <i>Hiatella arctica</i>                            |
| <i>Rhachotropis aculeata</i>         | <i>Liocyma fluctuosa</i>                           |
|                                      | <i>Macoma calcarea</i>                             |
| ARTHROPODA: Cirripedia               | <i>Macoma moesta</i>                               |
| <i>Balanus balanoides</i>            | <i>Musculus discors</i>                            |
| <i>Balanus balanus</i>               | <i>Musculus niger</i>                              |
| <i>Balanus crenatus</i>              | <i>Mya truncata</i>                                |
|                                      | <i>Serripes groenlandicus</i>                      |
| ARTHROPODA: Cumacea                  | <i>Thracia devexa</i>                              |
| <i>Diastylis rathkei</i>             |  |
|                                      | SIPUNCULA  |
| ARTHROPODA: Decapoda                 | Sipunculan   |
| <i>Argis dentata</i>                 |  |
| <i>Eualus gaimardi</i>               |  |
| <i>Eualus g. belcheri</i>            |  |
| <i>Hyas coarctatus</i>               |  |
| <i>Lebbeus groenlandicus</i>         |  |
| <i>Lebbeus polaris</i>               |  |
| <i>Pagurus pubescens</i>             |  |
| <i>Sabinea septemcarinata</i>        |  |
| <i>Sclerocrangon boreas</i>          |  |
| <i>Spirontocaris phippsi</i>         |  |
| <i>Spirontocaris spinus</i>          |  |
|                                      |  |
| CHORDATA: Ascidiacea                 |  |
| <i>Dendrodoa</i> sp.                 |  |
| Ascidians                            |  |
|                                      |  |
| ECHINODERMATA: Ophiuroidea           |  |
| <i>Stegophiura nodosa</i>            |  |

Table 75. Benthic invertebrates collected by trawl from station 63-0008,  
1 Aug 1963.

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Species

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ARTHROPODA: Decapoda

*Argis dentata*

*Eualus gaimardi*

*Hyas coarctatus*

*Sabinea septemcarinata*

ARTHROPODA: Isopoda

*Mesidotea sabini*

ECHINODERMATA: Holothuroidea

*Myriotrochus rinki*

ECHINODERMATA: Ophiuroidea

*Ophiecten sericeum*

Table 76. Benthic invertebrates collected by trawl from station 63-0009,  
1 Aug 1963.

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Species

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ARTHROPODA: Cumacea

*Diastylis rathkei*

*Leucon nasica*

ARTHROPODA: Decapoda

*Eualus gaimardi*

*Lebbeus groenlandicus*

*Sabinea septemcarinata*

ECHINODERMATA: Holothuroidea

*Holothuroid*

ECHINODERMATA: Ophiuroidea

*Ophiecten sericeum*

MOLLUSCA: Gastropoda

*Margarites costalis*

*Moelleria costulata*

*Natica clausa*

PORIFERA

*Suberites ficus*

Table 77. Benthic invertebrates collected by trawl from station 63-0010,  
1 Aug 1963.

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Species

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ANNELIDA: Polychaeta  
*Pectinaria hyperborea*

ARTHROPODA: Amphipoda  
*Anonyx nugax*  
*Stegocephalus inflatus*

ARTHROPODA: Decapoda  
*Sabinea septemcarinata*

ARTHROPODA: Isopoda  
*Mesidotea sabinii*

BRACHIOPODA  
*Hemithyris psittacea*

ECHINODERMATA: Ophiuroidea  
*Gorgonocephalus arcticus*  
*Ophiocten sericeum*

MOLLUSCA: Cephalopoda  
*Rossia molleri*

MOLLUSCA: Gastropoda  
*Beringuis beringi*  
*Buccinum angulosum*  
*Buccinum polare*  
*Buccinum scalariforme* (as *B. tenue*)  
*Colus togatus*  
*Lunatia pallida*  
*Natica clausa*  
*Volutopsius deformis*

SIPUNCULA  
*Phascolion strombi*

Table 78. Benthic invertebrates collected by trawl from station 63-0011,  
3 Aug 1963.

| Species   | Species  |
|---|--|
| ANNELIDA: Polychaeta<br><i>Ampharete arctica</i><br><i>Eucranta villosa</i>   | COELENTERATA: Anthozoa<br><i>Allantactis parasitica</i>  |
| ARTHROPODA: Amphipoda<br><i>Epimeria loricata</i><br><i>Ischyrocerus stephenseni</i><br><i>Stegocephalus inflatus</i>                               | ECHINODERMATA: Asteroidea<br><i>Pontaster tenuispinus</i><br><i>Urasterias lincki</i>  |
| ARTHROPODA: Decapoda<br><i>Argis dentata</i><br><i>Eualus gaimardi belcheri</i><br><i>Sabinea septemcarinata</i><br><i>Sclerocrangon ferox</i>      | ECHINODERMATA: Crinoidea<br><i>Heliometra glacialis</i> .  |
| ARTHROPODA: Pycnogonida<br><i>Boreonymphon abyssorum</i><br><i>Boreonymphon ossiansarsi</i><br><i>Nymphon gracilipes</i><br><i>Nymphon hirtipes</i> | ECHINODERMATA: Ophiuroidea<br><i>Gorgonocephalus</i> sp.<br><i>Ophiacantha bidentata</i><br><i>Ophiocten sericeum</i><br><i>Ophiopleura borealis</i> |
|   | MOLLUSCA: Cephalopoda<br><i>Bathypolypus arcticus</i>  |
|   | MOLLUSCA: Gastropoda<br><i>Buccinum angulosum</i><br><i>Colus togatus</i><br><i>Velutina undata</i>  |

Table 79. Benthic invertebrates collected by trawl from station 63-0012,  
4 Aug 1963.

| Species   | Species  |
|---|--|
| ARTHROPODA: Decapoda<br><i>Argis dentata</i><br><i>Eualus gaimardi</i><br><i>Sabinea septemcarinata</i> | MOLLUSCA: Cephalopoda<br><i>Rossia molleri</i>   |
| ARTHROPODA: Isopoda<br><i>Mesidotea sabini</i>  | MOLLUSCA: Gastropoda<br><i>Buccinum scalariforme</i> (as <i>B. tenue</i> )<br><i>Colus togatus</i><br><i>Cylichna alba</i><br><i>Neptunea despecta</i> |
| COELENTERATA: Anthozoa<br><i>Allantactis parasitica</i>   | MOLLUSCA: Pelecypoda<br><i>Astarte borealis</i>  |
| ECHINODERMATA: Ophiuroidea<br><i>Ophiocten sericeum</i>   |  |

Table 80. Benthic invertebrates collected by trawl from station 63-0013,  
4 Aug 1963.

| Species   | Species  |
|---|--|
| ANNELIDA: Polychaeta<br><i>Onuphis conchylega</i><br><i>Pista maculata</i>  | MOLLUSCA: Pelecypoda<br><i>Hiatella arctica</i><br><i>Pecten groenlandicus</i> |
| ARTHROPODA: Amphipoda<br>Amphipods  |  |
| ARTHROPODA: Cirripedia<br><i>Balanus balanus</i>  |  |
| ARTHROPODA: Decapoda<br><i>Argis dentata</i><br><i>Eualus gaimardi belcheri</i><br><i>Lebbeus groenlandicus</i><br><i>Lebbeus polaris</i><br><i>Sabinea septemcarinata</i><br><i>Spirontocaris phippii</i><br><i>Spirontocaris spinus</i> |  |
| ARTHROPODA: Isopoda<br><i>Mesidotea sabini</i>  |  |
| BRACHIOPODA<br><i>Hemithyris psittacea</i>  |  |
| ECHINODERMATA: Asteroidea<br><i>Urasterias lincki</i>   |  |
| ECHINODERMATA: Echinoidea<br><i>Strongylocentrotus droebachiensis</i>   |  |
| ECHINODERMATA: Ophiuroidea<br><i>Ophiocten sericeum</i>   |  |
| MOLLUSCA: Amphineura<br><i>Tonicella marmorea</i>   |  |
| MOLLUSCA: Cephalopoda<br><i>Rossia molleri</i>  |  |
| MOLLUSCA: Gastropoda<br><i>Buccinum scalariforme</i> (as <i>B. tenue</i> )<br><i>Lepeta caeca</i><br><i>Neptunea heros</i>  |  |

Table 81. Benthic invertebrates collected by trawl from station 63-0014,  
5 Aug 1963.

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Species

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ARTHROPODA: Amphipoda  
*Acanthostephea malmgreni*  
*Epimeria loricata*  
*Stegocephalus inflatus*

ARTHROPODA: Decapoda  
*Eualus g. belcheri*  
*Sabinea septemcarinata*  
*Sclerocrangon boreas*  
*Sclerocrangon ferox*

ARTHROPODA: Pycnogonida  
*Boreonymphon abyssorum*  
*Boreonymphon ossiansarsi*

COELENTERATA: Anthozoa  
*Allantactis parasitica*

ECHINODERMATA: Crinoidea  
*Heliometra glacialis*

ECHINODERMATA: Holothuroidea  
*Molpadia arctica*

ECHINODERMATA: Ophiuroidea  
*Gorgonocephalus arcticus*  
*Ophiacantha bidentata*  
*Ophiocten sericeum*  
*Ophiopleura borealis*  
*Stegophiura nodosa*

MOLLUSCA: Gastropoda  
*Colus pubescens*  
*Colus togatus*

PORIFERA  
*Polymastia hemisphaericum*



Table 82. Benthic invertebrates collected by trawl from station 63-0015, 7 Aug 1963.

| Species                                  | Species  |
|--|--|
| ANNELIDA: Polychaeta                     | MOLLUSCA: Cephalopoda                              |
| <i>Gattyana cirrosa</i>                  | <i>Rossia molleri</i>                              |
| <i>Harmothoe imbricata</i>               | MOLLUSCA: Gastropoda                               |
| <i>Onuphis conchylega</i>                | <i>Boreotrophon pacificus</i>                      |
| <i>Pectinaria hyperborea</i>             | <i>Buccinum polare</i>                             |
| <i>Pista maculata</i>                    | <i>Buccinum scalariforme</i> (as <i>B. tenue</i> ) |
| ARTHROPODA: Amphipoda                    | <i>Colus pubescens</i>                             |
| <i>Haploops</i> sp.                      | <i>Colus togatus</i>                               |
| ARTHROPODA: Cirripedia                   | <i>Lepeta caeca</i>                                |
| <i>Balanus balanus</i>                   | <i>Lunatia pallida</i>                             |
| ARTHROPODA: Decapoda                     | <i>Margarites olivaceus</i>                        |
| <i>Argis dentata</i>                     | <i>Margarites umbilicalis</i>                      |
| <i>Eualus g. belcheri</i>                | <i>Natica clausa</i>                               |
| <i>Sabinea septemcarinata</i>            | <i>Neptunea heros</i>                              |
| ARTHROPODA: Isopoda                      | <i>Volutopsius deformis</i>                        |
| <i>Mesidotea sabini</i>                  | MOLLUSCA: Pelecypoda                               |
| <i>Synidotea bicuspidata</i>             | <i>Astarte borealis</i>                            |
| ARTHROPODA: Pycnogonida                  | <i>Astarte montagui</i> (f. <i>warhami</i> )       |
| <i>Boreonymphon ossiansarsi</i>          | <i>Bathyarca glacialis</i>                         |
| BRACHIOPODA                              | <i>Clinocardium ciliatum</i>                       |
| <i>Hemithyris psittacea</i>              | <i>Hiatella arctica</i>                            |
| COELENTERATA: Anthozoa                   | <i>Macoma calcarea</i>                             |
| <i>Allantactis parasitica</i>            | <i>Macoma moesta</i>                               |
| <i>Gersemia rubiformis</i>               | <i>Mya truncata</i>                                |
| ECHINODERMATA: Asteroidea                | <i>Nucula belloti</i>                              |
| <i>Ctenodiscus crispatus</i>             | <i>Nuculana pernula</i>                            |
| <i>Leptasterias groenlandica</i>         | <i>Pecten groenlandicus</i>                        |
| <i>Pontaster tenuispinus</i>             | <i>Periploma abyssorum</i>                         |
| <i>Solaster papposus</i>                 | <i>Yoldia hyperborea</i> ( <i>hyperborea</i> )     |
| ECHINODERMATA: Crinoidea                 | SIPUNCULA  |
| <i>Heliopecten glacialis</i>             | <i>Phascolion strombi</i>                          |
| ECHINODERMATA: Echinoidea                |  |
| <i>Strongylocentrotus droebachiensis</i> |  |
| ECHINODERMATA: Ophiuroidea               |  |
| <i>Gorgonocephalus</i> sp.               |  |
| <i>Ophiocten sericeum</i>                |  |
| <i>Ophiopleura borealis</i>              |  |

Table 83. Benthic invertebrates collected by trawl from station 63-0016,  
7 Aug 1963.

| Species                                  | Species                      |
|--|------------------------------|
| ANNELIDA: Polychaeta                     | MOLLUSCA: Pelecypoda         |
| <i>Gattyana cirrosa</i>                  | <i>Bathyarca glacialis</i>   |
| <i>Pectinaria hyperborea</i>             | <i>Clinocardium ciliatum</i> |
| <i>Pista maculata</i>                    | <i>Hiatella arctica</i>      |
| ARTHROPODA: Amphipoda                    | <i>Nuculana pernula</i>      |
| <i>Stegocephalus inflatus</i>            | <i>Pecten groenlandicus</i>  |
| ARTHROPODA: Decapoda                     | SIPUNCULA                    |
| <i>Argis dentata</i>                     | <i>Phascolion strombi</i>    |
| <i>Eualus g. belcheri</i>                |                              |
| <i>Lebbeus polaris</i>                   |                              |
| <i>Sabinea septemcarinata</i>            |                              |
| <i>Spirontocaris spinus</i>              |                              |
| ARTHROPODA: Isopoda                      |                              |
| <i>Mesidotea sabini</i>                  |                              |
| ARTHROPODA: Pycnogonida                  |                              |
| <i>Boreonymphon abyssorum</i>            |                              |
| <i>Boreonymphon ossiansarsi</i>          |                              |
| COELENTERATA: Anthozoa                   |                              |
| <i>Allantactis parasitica</i>            |                              |
| ECHINODERMATA: Asteroidea                |                              |
| <i>Ctenodiscus crispatus</i>             |                              |
| <i>Leptasterias groenlandica</i>         |                              |
| <i>Urasterias lincki</i>                 |                              |
| ECHINODERMATA: Crinoidea                 |                              |
| <i>Heliometra glacialis</i>              |                              |
| ECHINODERMATA: Echinoidea                |                              |
| <i>Strongylocentrotus droebachiensis</i> |                              |
| ECHINODERMATA: Ophiuroidea               |                              |
| <i>Gorgonocephalus</i> sp.               |                              |
| <i>Ophiocten sericeum</i>                |                              |
| <i>Ophiopleura borealis</i>              |                              |
| MOLLUSCA: Cephalopoda                    |                              |
| <i>Rossia mulleri</i>                    |                              |
| MOLLUSCA: Gastropoda                     |                              |
| <i>Margarites costalis</i>               |                              |
| <i>Velutina undata</i>                   |                              |

Table 84. Benthic invertebrates collected by trawl from station 63-0018,  
9 Aug 1963.

| Species  | Species                       |
|--|-------------------------------|
| ANNELIDA: Polychaeta                               | MOLLUSCA: Gastropoda          |
| <i>Exogone naidina</i>                             | <i>Neptunea heros</i>         |
| <i>Gattyana cirrosa</i>                            | <i>Onchidiopsis glacialis</i> |
| <i>Pectinaria hyperborea</i>                       | <i>Tachyrhynchus erosus</i>   |
| <i>Scoloplos armiger</i>                           | <i>Trichotropis borealis</i>  |
| <i>Syllis fasciata</i>                             | <i>Volutopsius deformis</i>   |
| ARTHROPODA: Amphipoda                              | MOLLUSCA: Pelecypoda          |
| <i>Anonyx makarovi</i>                             | <i>Astarte borealis</i>       |
| <i>Socarnes bidenticulatus</i>                     | <i>Bathyarca glacialis</i>    |
| ARTHROPODA: Cirripedia                             | <i>Clinocardium ciliatum</i>  |
| <i>Balanus balanus</i>                             | <i>Hiatella arctica</i>       |
| ARTHROPODA: Decapoda                               | <i>Lyocyma fluctuosa</i>      |
| <i>Argis dentata</i>                               | <i>Macoma calcarea</i>        |
| <i>Eualus g. belcheri</i>                          | <i>Nuculana pernula</i>       |
| <i>Lebbeus groenlandicus</i>                       | <i>Serripes groenlandicus</i> |
| <i>Lebbeus polaris</i>                             | NEMERTINA                     |
| <i>Sabinea septemcarinata</i>                      | Nemerteans                    |
| ARTHROPODA: Isopoda                                | PORIFERA                      |
| <i>Mesidotea sabini</i>                            | Sponges                       |
| COELENTERATA: Anthozoa                             | SIPUNCULA                     |
| <i>Allantactis parasitica</i>                      | <i>Phascolion strombi</i>     |
| <i>Gersemia rubiformis</i>                         |                               |
| ECHINODERMATA: Echinoidea                          |                               |
| <i>Strongylocentrotus droebachiensis</i>           |                               |
| ECHINODERMATA: Ophiuroidea                         |                               |
| <i>Gorgonocephalus arcticus</i>                    |                               |
| <i>Ophiocten sericeum</i>                          |                               |
| <i>Ophiura robusta</i>                             |                               |
| MOLLUSCA: Cephalopoda                              |                               |
| <i>Rossia molleri</i>                              |                               |
| MOLLUSCA: Gastropoda                               |                               |
| <i>Admete couthouyi</i>                            |                               |
| <i>Buccinum angulosum</i>                          |                               |
| <i>Buccinum ciliatum</i>                           |                               |
| <i>Buccinum polare</i>                             |                               |
| <i>Buccinum scalariforme</i> (as <i>B. tenue</i> ) |                               |
| <i>Lunatia pallida</i>                             |                               |
| <i>Margarites costalis</i>                         |                               |
| <i>Natica clausa</i>                               |                               |

Table 85. Benthic invertebrates collected by trawl from station 63-0019, 12 Aug 1963.

| Species                                  | Species  |
|--|--|
| ANNELIDA: Polychaeta                     | MOLLUSCA: Cephalopoda                              |
| <i>Onuphis conchylega</i>                | <i>Bathypolypus arcticus</i>                       |
| <i>Pectinaria hyperborea</i>             | <i>Rossia molleri</i>                              |
| <i>Pista maculata</i>                    |  |
| <i>Spiochaetopterus typicus</i>          | MOLLUSCA: Gastropoda                               |
|  | <i>Buccinum polare</i>                             |
| ARTHROPODA: Amphipoda                    | <i>Buccinum scalariforme</i> (as <i>B. tenue</i> ) |
| <i>Anonyx nugax</i>                      | <i>Colus togatus</i>                               |
| <i>Haploops</i> sp.                      | <i>Cylichna alba</i>                               |
|  | <i>Margarites costalis</i>                         |
| ARTHROPODA: Cumacea                      | <i>Margarites olivaceus</i>                        |
| <i>Diastylis goodsiri</i>                | <i>Philine finmarchica</i>                         |
|  |  |
| ARTHROPODA: Decapoda                     | MOLLUSCA: Pelecypoda                               |
| <i>Argis dentata</i>                     | <i>Astarte borealis</i>                            |
| <i>Sabinea septemcarinata</i>            | <i>Bathyarca glacialis</i>                         |
|  | <i>Clinocardium ciliatum</i>                       |
| ARTHROPODA: Isopoda                      | <i>Hiatella arctica</i>                            |
| <i>Gnathia elongata</i>                  | <i>Nucula belloti</i>                              |
| <i>Mesidotea sabini</i>                  | <i>Pecten groenlandicus</i>                        |
|  |  |
| ARTHROPODA: Pycnogonida                  | SIPUNCULA  |
| <i>Boreonymphon abyssorum</i>            | <i>Phascolion strombi</i>                          |
| <i>Boreonymphon ossiansarsi</i>          |  |
|  |  |
| COELENTERATA: Anthozoa                   |  |
| <i>Allantactis parasitica</i>            |  |
| <i>Gersemia rubiformis</i>               |  |
|  |  |
| ECHINODERMATA: Asteroidea                |  |
| <i>Ctenodiscus crispatus</i>             |  |
| <i>Pontaster tenuispinus</i>             |  |
|  |  |
| ECHINODERMATA: Crinoidea                 |  |
| <i>Heliopecten glacialis</i>             |  |
|  |  |
| ECHINODERMATA: Echinoidea                |  |
| <i>Strongylocentrotus droebachiensis</i> |  |
|  |  |
| ECHINODERMATA: Ophiuroidea               |  |
| <i>Gorgonocephalus arcticus</i>          |  |
| <i>Ophiocten sericeum</i>                |  |
| <i>Ophiopleura borealis</i>              |  |
|  |  |
| ECTOPROCTA                               |  |
| <i>Kinetoskias arborescens</i>           |  |

Table 86. Benthic invertebrates collected by trawl from station 63-0020,  
12 Aug 1963.

| Species   | Species  |
|---|--|
| ANNELIDA: Polychaeta<br><i>Chone</i> sp.  | MOLLUSCA: Gastropoda<br><i>Admete couthouyi</i><br><i>Buccinum hydrophanum</i><br><i>Buccinum polare</i><br><i>Buccinum scalariforme</i> (as <i>B. tenue</i> )<br><i>Colus togatus</i><br><i>Cylichna occulta</i><br><i>Lunatia pallida</i><br><i>Natica clausa</i><br><i>Volutopsius deformis</i> |
| ARTHROPODA: Amphipoda<br><i>Ampelisca eschrichti</i><br><i>Anonyx nugax</i><br><i>Haploops</i> sp.<br><i>Stegocephalus inflatus</i> | PORIFERA<br><i>Polymastia mammillaris</i> (grimaldi)   |
| ARTHROPODA: Cumacea<br><i>Diastylis goodsiri</i>  | SIPUNCULA<br><i>Phascolion strombi</i>   |
| ARTHROPODA: Decapoda<br><i>Sabinea septemcarinata</i>   |  |
| ARTHROPODA: Isopoda<br><i>Mesidotea sabini</i><br><i>Mesidotea sibirica</i>   |  |
| CHORDATA: Ascidiacea<br><i>Ascidia obliqua?</i>   |  |
| COELENTERATA: Anthozoa<br><i>Allantactis parasitica</i>   |  |
| COELENTERATA: Hydrozoa<br><i>Lafoea gracillima</i>  |  |
| ECHINODERMATA: Crinoidea<br><i>Helioetra glacialis</i>  |  |
| ECHINODERMATA: Echinoidea<br><i>Strongylocentrotus droebachiensis</i>   |  |
| ECHINODERMATA: Ophiuroidea<br><i>Ophiocten sericeum</i><br><i>Ophiopleura borealis</i>  |  |
| MOLLUSCA: Cephalopoda<br><i>Rossia molleri</i>  |  |

Table 87. Benthic invertebrates collected by trawl from station 63-0022,  
13 Aug 1963.

| Species  | Species   |
|--|---|
| ANNELIDA: Polychaeta<br><i>Onuphis conchylega</i><br><i>Pectinaria hyperborea</i>  | ECHINODERMATA: Asteroidea<br><i>Ctenodiscus crispatus</i><br><i>Leptasterias groenlandica</i><br><i>Urasterias lincki</i>         |
| ARTHROPODA: Amphipoda<br><i>Acanthostepheia malmgreni</i><br><i>Anonyx makarovi</i><br><i>Anonyx nugax</i><br><i>Arrhis phyllonyx</i><br><i>Haploops</i> sp.<br><i>Pontoporeia femorata</i><br><i>Stegocephalus inflatus</i> | ECHINODERMATA: Echinoidea<br><i>Strongylocentrotus droebachiensis</i>   |
| ARTHROPODA: Decapoda<br><i>Eualus gaimardi</i><br><i>Sabinea septemcarinata</i>  | ECHINODERMATA: Ophiuroidea<br><i>Ophiecten sericeum</i>   |
| ARTHROPODA: Isopoda<br><i>Mesidotea sabini</i><br><i>Mesidotea sibirica</i>  | MOLLUSCA: Cephalopoda<br><i>Rossia molleri</i>  |
| BRACHIOPODA<br><i>Hemithyris psittacea</i>   | MOLLUSCA: Gastropoda<br><i>Buccinum angulosum</i><br><i>Buccinum scalariforme</i> (as <i>B. tenue</i> )<br><i>Lunatia pallida</i> |
| COELENTERATA: Anthozoa<br><i>Allantactis parasitica</i>  | MOLLUSCA: Pelecypoda<br><i>Clinocardium ciliatum</i><br><i>Macoma calcarea</i>  |
|  | SIPUNCULA<br><i>Phascolion strombi</i>  |

Table 88. Benthic invertebrates collected by trawl from station 63-0024,  
20 Aug 1963.

| Species  | Species   |
|--|---|
| ARTHROPODA: Decapoda<br><i>Eualus gaimardi</i>           | MOLLUSCA: Cephalopoda<br><i>Bathypolypus arcticus</i> |
| ARTHROPODA: Pycnogonida<br><i>Boreonymphon abyssorum</i> |   |

Table 89. Benthic invertebrates collected by trawl from station 63-0025,  
20 Aug 1963.

| Species                          | Species                                  |
|----------------------------------|--|
| ANNELIDA: Polychaeta             | ECHINODERMATA: Echinoidea                |
| <i>Flabelligera affinis</i>      | <i>Strongylocentrotus droebachiensis</i> |
| <i>Gattyana cirrosa</i>          | ECHINODERMATA: Ophiuroidea               |
| <i>Harmothoe nodosa</i>          | <i>Gorgonocephalus</i> sp.               |
| <i>Nereis pelagica</i>           | <i>Ophiacantha bidentata</i>             |
| <i>Nereis zonata</i>             | <i>Ophiocten sericeum</i>                |
| <i>Onuphis conchylega</i>        | <i>Ophiopleura borealis</i>              |
| <i>Pista maculata</i>            | ECTOPROCTA                               |
| <i>Sabellides borealis</i>       | <i>Alcyonidium gelatinosum</i>           |
| <i>Spiochaetopterus typicus</i>  | MOLLUSCA: Cephalopoda                    |
| ARTHROPODA: Amphipoda            | <i>Rossia molleri</i>                    |
| <i>Anonyx makarovi</i>           | MOLLUSCA: Gastropoda                     |
| <i>Anonyx nugax</i>              | <i>Admete couthouyi</i>                  |
| <i>Haploops</i> sp.              | <i>Colus pubescens</i>                   |
| <i>Paramphithoe hystrix</i>      | <i>Colus togatus</i>                     |
| <i>Stegocephalus inflatus</i>    | <i>Margarites costalis</i>               |
| <i>Tmetonyx cicada</i>           | MOLLUSCA: Pelecypoda                     |
| ARTHROPODA: Decapoda             | <i>Astarte crenata</i> (crenata)         |
| <i>Eualus gaimardi</i>           | <i>Batharca glacialis</i>                |
| ARTHROPODA: Pycnogonida          | <i>Pecten groenlandicus</i>              |
| <i>Boreonymphon abyssorum</i>    |  |
| <i>Boreonymphon ossiansarsi</i>  |  |
| <i>Nymphon gracilipes</i>        |  |
| <i>Nymphon hirtipes</i>          |  |
| <i>Nymphon longitarse</i>        |  |
| <i>Nymphon sluiteri</i>          |  |
| <i>Pseudopallene brevicollis</i> |  |
| COELENTERATA: Anthozoa           |  |
| <i>Allantactis parasitica</i>    |  |
| <i>Gersemia rubiformis</i>       |  |
| COELENTERATA: Hydrozoa           |  |
| <i>Lafoea gracillima</i>         |  |
| ECHINODERMATA: Asteroidea        |  |
| <i>Lophaster furcifer</i>        |  |
| <i>Pontaster tenuispinus</i>     |  |
| <i>Poraniomorpha tumida</i>      |  |
| <i>Urasterias lincki</i>         |  |
| ECHINODERMATA: Crinoidea         |  |
| <i>Heliopecten glacialis</i>     |  |

Table 90. Benthic invertebrates collected by trawl from station 63-0026,  
20 Aug 1963.

| Species                          | Species                                      |
|----------------------------------|--|
| ANNELIDA: Polychaeta             | ECHINODERMATA: Crinoidea                     |
| <i>Antinoella badia</i>          | <i>Heliometra glacialis</i>                  |
| <i>Eucranta villosa</i>          | <i>Poliometra proluxa</i>                    |
| <i>Gattyana cirrosa</i>          | ECHINODERMATA: Echinoidea                    |
| <i>Harmothoe extenuata</i>       | <i>Strongylocentrotus droebachiensis</i>     |
| <i>Harmothoe nodosa</i>          | ECHINODERMATA: Ophiuroidea                   |
| <i>Onuphis conchylega</i>        | <i>Gorgonocephalus caryi</i>                 |
| <i>Paranaitis wahlbergi</i>      | <i>Ophiacantha bidentata</i>                 |
| <i>Pectinaria hyperborea</i>     | <i>Ophiocten sericeum</i>                    |
| <i>Pionosyllis</i> sp.           | <i>Ophiura robusta</i>                       |
| <i>Pista maculata</i>            |  |
| <i>Spiochaetopterus typicus</i>  |  |
| ARTHROPODA: Amphipoda            | MOLLUSCA: Cephalopoda                        |
| <i>Haploops tubicola</i>         | <i>Rossia mulleri</i>                        |
| <i>Ischyrocerus stephenseni</i>  |  |
| <i>Tmetonyx cicada</i>           | MOLLUSCA: Gastropoda                         |
| ARTHROPODA: Cumacea              | <i>Beringius beringi</i>                     |
| <i>Diastylis goodsiri</i>        | <i>Boreotrophon pacificus</i>                |
|                                  | <i>Colus togatus</i>                         |
| ARTHROPODA: Decapoda             | <i>Lunatia pallida</i>                       |
| <i>Argis dentata</i>             | <i>Margarites costalis</i>                   |
| <i>Eualus gaimardi</i>           | MOLLUSCA: Pelecypoda                         |
| <i>Eualus g. belcheri</i>        | <i>Astarte montagui</i> (f. <i>warhami</i> ) |
| <i>Lebbeus groenlandicus</i>     | <i>Bathyarca glacialis</i>                   |
| <i>Sabinea septemcarinata</i>    | <i>Clinocardium ciliatum</i>                 |
| <i>Spirontocaris spinus</i>      | <i>Hiatella arctica</i>                      |
| ARTHROPODA: Isopoda              | <i>Nuculana pernula</i>                      |
| <i>Mesidotea sabini</i>          | <i>Pecten groenlandicus</i>                  |
| ARTHROPODA: Pycnogonida          |  |
| <i>Boreonymphon abyssorum</i>    |  |
| <i>Boreonymphon ossiansarsi</i>  |  |
| <i>Collossendeis proboscidea</i> |  |
| <i>Nymphon hirtipes</i>          |  |
| <i>Pseudopallene brevicollis</i> |  |
| COELENTERATA: Anthozoa           |  |
| <i>Allantactis parasitica</i>    |  |
| ECHINODERMATA: Asteroidea        |  |
| <i>Leptasterias groenlandica</i> |  |
| <i>Pontaster tenuispinus</i>     |  |
| <i>Poraniomorpha tumida</i>      |  |
| <i>Urasterias lincki</i>         |  |



Table 91. Benthic invertebrates collected by trawl from station 63-0027, 20 Aug 1963.

| Species                                  | Species  |
|--|--|
| ANNELIDA: Polychaeta                     | MOLLUSCA: Cephalopoda                              |
| <i>Maldane sarsi</i>                     | <i>Rossia molleri</i>                              |
| <i>Nephtys ciliata</i>                   |  |
| <i>Pectinaria hyperborea</i>             | MOLLUSCA: Gastropoda                               |
| <i>Spiochaetopterus typicus</i>          | <i>Buccinum angulosum</i>                          |
|  | <i>Buccinum polare</i>                             |
| ARTHROPODA: Amphipoda                    | <i>Buccinum scalariforme</i> (as <i>B. tenue</i> ) |
| <i>Acanthostepheia malmgreni</i>         | <i>Colus togatus</i>                               |
| <i>Anonyx nugax</i>                      | <i>Cylichna alba</i>                               |
| <i>Arrhis phyllonyx</i>                  | <i>Lunatia pallida</i>                             |
| <i>Haploops</i> sp.                      | <i>Margarites costalis</i>                         |
| <i>Rhachotropis aculeata</i>             | <i>Plicifusus kroyeri</i>                          |
|  | <i>Tachyrhynchus erosus</i>                        |
| ARTHROPODA: Cumacea                      |  |
| <i>Leucon nasica</i>                     | MOLLUSCA: Pelecypoda                               |
|  | <i>Astarte borealis</i>                            |
| ARTHROPODA: Decapoda                     | <i>Macoma calcarea</i>                             |
| <i>Argis dentata</i>                     | <i>Musculus corrugatus</i>                         |
| <i>Eualus g. belcheri</i>                | <i>Musculus niger</i>                              |
| <i>Hyas coarctatus</i>                   | <i>Nuculana pernula</i>                            |
| <i>Sabinea septemcarinata</i>            | <i>Yoldia hyperborea</i> (hyperborea)              |
|  |  |
| ARTHROPODA: Isopoda                      |  |
| <i>Mesidotea sabini</i>                  |  |
|  |  |
| ARTHROPODA: Pycnogonida                  |  |
| <i>Nymphon hirtipes</i>                  |  |
|  |  |
| COELENTERATA: Anthozoa                   |  |
| <i>Allantactis parasitica</i>            |  |
|  |  |
| ECHINODERMATA: Asteroidea                |  |
| <i>Ctenodiscus crispatus</i>             |  |
| <i>Urasterias lincki</i>                 |  |
|  |  |
| ECHINODERMATA: Crinoidea                 |  |
| <i>Heliopecten glacialis</i>             |  |
|  |  |
| ECHINODERMATA: Echinoidea                |  |
| <i>Strongylocentrotus droebachiensis</i> |  |
|  |  |
| ECHINODERMATA: Holothuroidea             |  |
| <i>Myriotrochus rinki</i>                |  |
|  |  |
| ECHINODERMATA: Ophiuroidea               |  |
| <i>Gorgonocephalus</i> sp.               |  |
| <i>Ophiocten sericeum</i>                |  |

Table 92. Benthic invertebrates collected by trawl from station 63-0028,  
20 Aug 1963.

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Species

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ANNELIDA: Polychaeta  
*Pectinaria hyperborea*  
*Pista maculata*

ARTHROPODA: Amphipoda  
Amphipods

ARTHROPODA: Cirripedia  
*Balanus balanus*

ARTHROPODA: Decapoda  
*Argis dentata*  
*Eualus gaimardi*  
*Eualus g. belcheri*  
*Lebbeus groenlandicus*  
*Sabinea septemcarinata*

ARTHROPODA: Isopoda  
*Mesidotea sabini*

COELENTERATA: Anthozoa  
*Allantactis parasitica*

ECHINODERMATA: Asteroidea  
*Ctenodiscus crispatus*  
*Urasterias lincki*

ECHINODERMATA: Crinoidea  
*Heliometra glacialis*

ECHINODERMATA: Echinoidea  
*Strongylocentrotus droebachiensis*

ECHINODERMATA: Ophiuroidea  
*Gorgonocephalus* sp.  
*Ophiocten sericeum*

MOLLUSCA: Gastropoda  
*Colus togatus*  
*Tachyrhynchus erosus*

MOLLUSCA: Pelecypoda  
*Bathyarca glacialis*  
*Musculus niger*  
*Pecten groenlandicus*

Table 93. Benthic invertebrates collected by trawl from station 63-0031,  
25 Aug 1963.

| Species                          | Species                    |
|----------------------------------|----------------------------|
| ANNELIDA: Polychaeta             | PRIAPULIDA                 |
| <i>Ampharete acutifrons</i>      | <i>Priapulius caudatus</i> |
| <i>Euchone papillosa</i>         |                            |
| <i>Eucranta villosa</i>          | SIPUNCULA                  |
| <i>Maldane sarsi</i>             | <i>Phascolion strombi</i>  |
| <i>Terebellides stroemi</i>      |                            |
| ARTHROPODA: Isopoda              |                            |
| <i>Mesidotea sabini</i>          |                            |
| ARTHROPODA: Pycnogonida          |                            |
| <i>Boreonymphon abyssorum</i>    |                            |
| COELENTERATA: Anthozoa           |                            |
| <i>Allantactis parasitica</i>    |                            |
| <i>Gersemia rubiformis</i>       |                            |
| ECHINODERMATA: Asteroidea        |                            |
| <i>Hymenaster pellucidus</i>     |                            |
| ECHINODERMATA: Crinoidea         |                            |
| <i>Heliometra glacialis</i>      |                            |
| ECHINODERMATA: Ophiuroidea       |                            |
| <i>Gorgonocephalus arcticus</i>  |                            |
| <i>Ophiacantha bidentata</i>     |                            |
| <i>Ophiocten sericeum</i>        |                            |
| <i>Ophiopleura borealis</i>      |                            |
| ECTOPROCTA                       |                            |
| <i>Alcyonidium gelatinosum</i>   |                            |
| MOLLUSCA: Gastropoda             |                            |
| <i>Beringius beringi</i>         |                            |
| <i>Buccinum angulosum</i>        |                            |
| <i>Buccinum hydrophanum</i>      |                            |
| <i>Colus togatus</i>             |                            |
| <i>Colus pubescens</i>           |                            |
| <i>Velutina undata</i>           |                            |
| MOLLUSCA: Pelecypoda             |                            |
| <i>Astarte crenata (crenata)</i> |                            |
| <i>Musculus discors</i>          |                            |
| MOLLUSCA: Scaphopoda             |                            |
| <i>Siphonodentalium lobatum</i>  |                            |

Table 94. Benthic invertebrates collected by trawl from station 63-0032, 28 Aug 1963.

| Species                                  | Species  |
|--|--|
| ANNELIDA: Polychaeta                     | ECHINODERMATA: Holothuroidea                       |
| <i>Gattyana cirrosa</i>                  | <i>Myriotrochus rinki</i>                          |
| <i>Harmothoe extenuata</i>               | ECHINODERMATA: Ophiuroidea                         |
| <i>Maldane sarsi</i>                     | <i>Amphiura sundevalli</i>                         |
| <i>Pectinaria hyperborea</i>             | <i>Gorgonocephalus arcticus</i>                    |
| <i>Pista maculata</i>                    | <i>Ophiacantha bidentata</i>                       |
| ARTHROPODA: Amphipoda                    | <i>Ophiocten sericeum</i>                          |
| <i>Anonyx nugax</i>                      | <i>Ophiopleura borealis</i>                        |
| <i>Haploops</i> sp.                      | MOLLUSCA: Cephalopoda                              |
| <i>Socarnes bidenticulatus</i>           | <i>Rossia molleri</i>                              |
| <i>Stegocephalus inflatus</i>            | MOLLUSCA: Gastropoda                               |
| ARTHROPODA: Cirripedia                   | <i>Buccinum angulosum</i>                          |
| <i>Balanus balanus</i>                   | <i>Buccinum polare</i>                             |
| ARTHROPODA: Cumacea                      | <i>Buccinum scalariforme</i> (as <i>B. tenue</i> ) |
| <i>Diastylis goodsiri</i>                | <i>Buccinum</i> sp.                                |
| ARTHROPODA: Decapoda                     | <i>Colus togatus</i>                               |
| <i>Argis dentata</i>                     | <i>Margarites costalis</i>                         |
| <i>Chionoecetes opilio</i>               | <i>Natica clausa</i>                               |
| <i>Eualus gaimardi</i>                   | <i>Tachyrhynchus erosus</i>                        |
| <i>Sabinea septemcarinata</i>            | <i>Volutopsius deformis</i>                        |
| ARTHROPODA: Isopoda                      | MOLLUSCA: Pelecypoda                               |
| <i>Mesidotea sabini</i>                  | <i>Bathyarca glacialis</i>                         |
| <i>Synidotea bicuspidata</i>             | <i>Clinocardium ciliatum</i>                       |
| ARTHROPODA: Pycnogonida                  | <i>Nucula belloti</i>                              |
| <i>Boreonymphon ossiansarsi</i>          | <i>Nuculana pernula</i>                            |
| <i>Nymphon hirtipes</i>                  | <i>Periploma abyssorum</i>                         |
| COELENTERATA: Anthozoa                   | <i>Yoldia hyperborea</i> ( <i>hyperborea</i> )     |
| <i>Allantactis parasitica</i>            | NEMERTINA  |
| <i>Stomphia coccinea</i>                 | Nemerteans   |
| ECHINODERMATA: Asteroidea                | SIPUNCULA  |
| <i>Ctenodiscus crispatus</i>             | <i>Phascolion strombi</i>                          |
| <i>Hymenaster pellucidus</i>             | Sipunculans  |
| <i>Poraniomorpha tumida</i>              |  |
| ECHINODERMATA: Crinoidea                 |  |
| <i>Heliopecten glacialis</i>             |  |
| ECHINODERMATA: Echinoidea                |  |
| <i>Strongylocentrotus droebachiensis</i> |  |

Table 95. Benthic invertebrates collected by trawl from station 63-0034, 5 Sep 1963.

| Species                          | Species  |
|----------------------------------|--|
| ANNELIDA: Polychaeta             | ECTOPROCTA   |
| <i>Branchiomma infarcta</i>      | <i>Alcyonidium gelatinosum</i>                     |
| <i>Gattyana cirrosa</i>          |  |
| <i>Nephtys ciliata</i>           | MOLLUSCA: Gastropoda                               |
| <i>Pectinaria hyperborea</i>     | <i>Admete couthouyi</i>                            |
| <i>Pista maculata</i>            | <i>Buccinum angulosum</i>                          |
|                                  | <i>Buccinum polare</i>                             |
| ARTHROPODA: Amphipoda            | <i>Buccinum scalariforme</i> (as <i>B. tenue</i> ) |
| <i>Acanthostepheia malmgreni</i> | <i>Colus pubescens</i>                             |
| <i>Anonyx nugax</i>              | <i>Colus togatus</i>                               |
| <i>Arctopleustes glabricauda</i> | <i>Margarites olivaceus</i>                        |
| <i>Orchomene pinguis</i>         | <i>Scolariella obscura</i>                         |
| <i>Paramphithoe hystrix</i>      | <i>Trichotropis borealis</i>                       |
| <i>Socarnes bidenticulatus</i>   |  |
| <i>Stegocephalus inflatus</i>    | MOLLUSCA: Pelecypoda                               |
|                                  | <i>Clinocardium ciliatum</i>                       |
| ARTHROPODA: Cumacea              | <i>Pecten groenlandicus</i>                        |
| <i>Diastylis goodsiri</i>        |  |
|                                  | SIPUNCULA  |
| ARTHROPODA: Decapoda             | <i>Phascolion strombi</i>                          |
| <i>Argis dentata</i>             |  |
| <i>Chionoecetes opilio</i>       |  |
| <i>Sabinea septemcarinata</i>    |  |
|                                  |  |
| ARTHROPODA: Isopoda              |  |
| <i>Mesidotea sabini</i>          |  |
| <i>Synidotea bicuspidata</i>     |  |
|                                  |  |
| ARTHROPODA: Pycnogonida          |  |
| <i>Boreonymphon abyssorum</i>    |  |
| <i>Nymphon hirtipes</i>          |  |
|                                  |  |
| COELENTERATA: Anthozoa           |  |
| <i>Allantactis parasitica</i>    |  |
| <i>Gersemia rubiformis</i>       |  |
|                                  |  |
| ECHINODERMATA: Asteroidea        |  |
| <i>Ctenodiscus crispatus</i>     |  |
| <i>Pontaster tenuispinus</i>     |  |
|                                  |  |
| ECHINODERMATA: Crinoidea         |  |
| <i>Heliometra glacialis</i>      |  |
|                                  |  |
| ECHINODERMATA: Ophiuroidea       |  |
| <i>Gorgonocephalus arcticus</i>  |  |
| <i>Ophiacantha bidentata</i>     |  |
| <i>Ophiocten sericeum</i>        |  |
| <i>Ophiopleura borealis</i>      |  |

Table 96. Benthic invertebrates collected by trawl from station 63-0035,  
5 Sep 1963.

| Species                                  | Species                               |
|--|---------------------------------------|
| ANNELIDA: Polychaeta                     | MOLLUSCA: Cephalopoda                 |
| <i>Gattyana cirrosa</i>                  | <i>Rossia molleri</i>                 |
| <i>Maldane sarsi</i>                     |                                       |
| <i>Pectinaria hyperborea</i>             | MOLLUSCA: Gastropoda                  |
| <i>Pista maculata</i>                    | <i>Buccinum polare</i>                |
| <i>Terebellides stroemi</i>              | <i>Colus togatus</i>                  |
|  | <i>Neptunea heros</i>                 |
| ARTHROPODA: Amphipoda                    |                                       |
| <i>Haploops</i> sp.                      | MOLLUSCA: Pelecypoda                  |
|  | <i>Bathyarca glacialis</i>            |
| ARTHROPODA: Decapoda                     | <i>Clinocardium ciliatum</i>          |
| <i>Argis dentata</i>                     | <i>Hiatella arctica</i>               |
| <i>Sabinea septemcarinata</i>            | <i>Macoma moesta</i>                  |
|  | <i>Nuculana pernula</i>               |
| ARTHROPODA: Isopoda                      | <i>Pecten groenlandicus</i>           |
| <i>Mesidotea sabini</i>                  | <i>Yoldia hyperborea (hyperborea)</i> |
| <i>Synidotea bicuspidata</i>             |                                       |
|  | SIPUNCULA                             |
| COELENTERATA: Anthozoa                   | <i>Phascolion strombi</i>             |
| <i>Allantactis parasitica</i>            |                                       |
| <i>Gersemia rubiformis</i>               |                                       |
|  |                                       |
| ECHINODERMATA: Asteroidea                |                                       |
| <i>Ctenodiscus crispatus</i>             |                                       |
|  |                                       |
| ECHINODERMATA: Crinoidea                 |                                       |
| <i>Heliopecten glacialis</i>             |                                       |
|  |                                       |
| ECHINODERMATA: Ophiuroidea               |                                       |
| <i>Gorgonocephalus caryi (japonicus)</i> |                                       |
| <i>Ophiocten sericeum</i>                |                                       |
| <i>Ophiopleura borealis</i>              |                                       |

Table 97. Benthic invertebrates collected by trawl from station 77-1020,  
29 Jul 1977.

| Species                          |
|----------------------------------|
|                                  |
| PORIFERA                         |
| <i>Polymastia hemisphaericum</i> |

Table 98. Benthic invertebrates collected by grab from Walker Bay, Aug 1985.

| Species                                  | Species                               |
|--|---------------------------------------|
| ANNELIDA: Polychaeta                     | MOLLUSCA: Gastropoda                  |
| <i>Aglaophamus malmgreni</i>             | <i>Buccinum scalariforme</i>          |
| <i>Ammotrypane aulogaster</i>            | <i>Cylichna alba</i>                  |
| <i>Ampharete vega</i>                    | <i>Lunatia pallida</i>                |
| <i>Antinoella sarsi</i>                  |                                       |
| <i>Axiiothella catenata</i>              | MOLLUSCA: Pelecypoda                  |
| <i>Eteone flava</i>                      | <i>Astarte borealis</i>               |
| <i>Gattyana cirrosa</i>                  | <i>Astarte montagui</i>               |
| <i>Harmothoe imbricata</i>               | <i>Clinocardium ciliatum</i>          |
| <i>Lumbrineris fragilis</i>              | <i>Hiatella arctica</i>               |
| <i>Lumbrineris minuta</i>                | <i>Macoma balthica</i>                |
| <i>Lysippe labiata</i>                   | <i>Macoma calcarea</i>                |
| <i>Melaenis loveni</i>                   | <i>Macoma moesta</i>                  |
| <i>Nephtys ciliata</i>                   | <i>Musculus niger</i>                 |
| <i>Pectinaria granulata</i>              | <i>Mya truncata</i>                   |
| <i>Pectinaria hyperborea</i>             | <i>Nucula belloti</i>                 |
| <i>Phyllodoce groenlandica</i>           | <i>Nuculana pernula</i>               |
| <i>Scoloplos armiger</i>                 | <i>Portlandia arctica</i>             |
| <i>Terebellides stroemi</i>              | <i>Serripes groenlandicus</i>         |
|  | <i>Thyasira gouldi</i>                |
| ARTHROPODA: Amphipoda                    | <i>Yoldia hyperborea (hyperborea)</i> |
| <i>Anonyx nugax</i>                      |                                       |
| <i>Boeckosimus affinis</i>               | NEMERTINA                             |
| <i>Byblis gaimardi</i>                   | Nemertean                             |
| <i>Pontoporeia femorata</i>              |                                       |
|  | PRIAPULIDA                            |
| ARTHROPODA: Cirripedia                   | <i>Halicryptus spinulosus</i>         |
| <i>Balanus balanus</i>                   |                                       |
|  | SIPUNCULA                             |
| ARTHROPODA: Isopoda                      | <i>Phascolion strombi</i>             |
| <i>Mesidotea entomon</i>                 |                                       |
| <i>Mesidotea sabini</i>                  |                                       |
|  |                                       |
| ECHINODERMATA: Asteroidea                |                                       |
| <i>Ctenodiscus crispatus</i>             |                                       |
|  |                                       |
| ECHINODERMATA: Echinoidea                |                                       |
| <i>Strongylocentrotus droebachiensis</i> |                                       |
|  |                                       |
| ECHINODERMATA: Holothuroidea             |                                       |
| <i>Myriotrochus rinki</i>                |                                       |
|  |                                       |
| ECHINODERMATA: Ophiuroidea               |                                       |
| <i>Ophiura robusta</i>                   |                                       |

PART B  
BENTHIC INVERTEBRATES COLLECTED FROM  
THE BATHURST INLET-DEASE STRAIT AREA, 1957 TO 1969



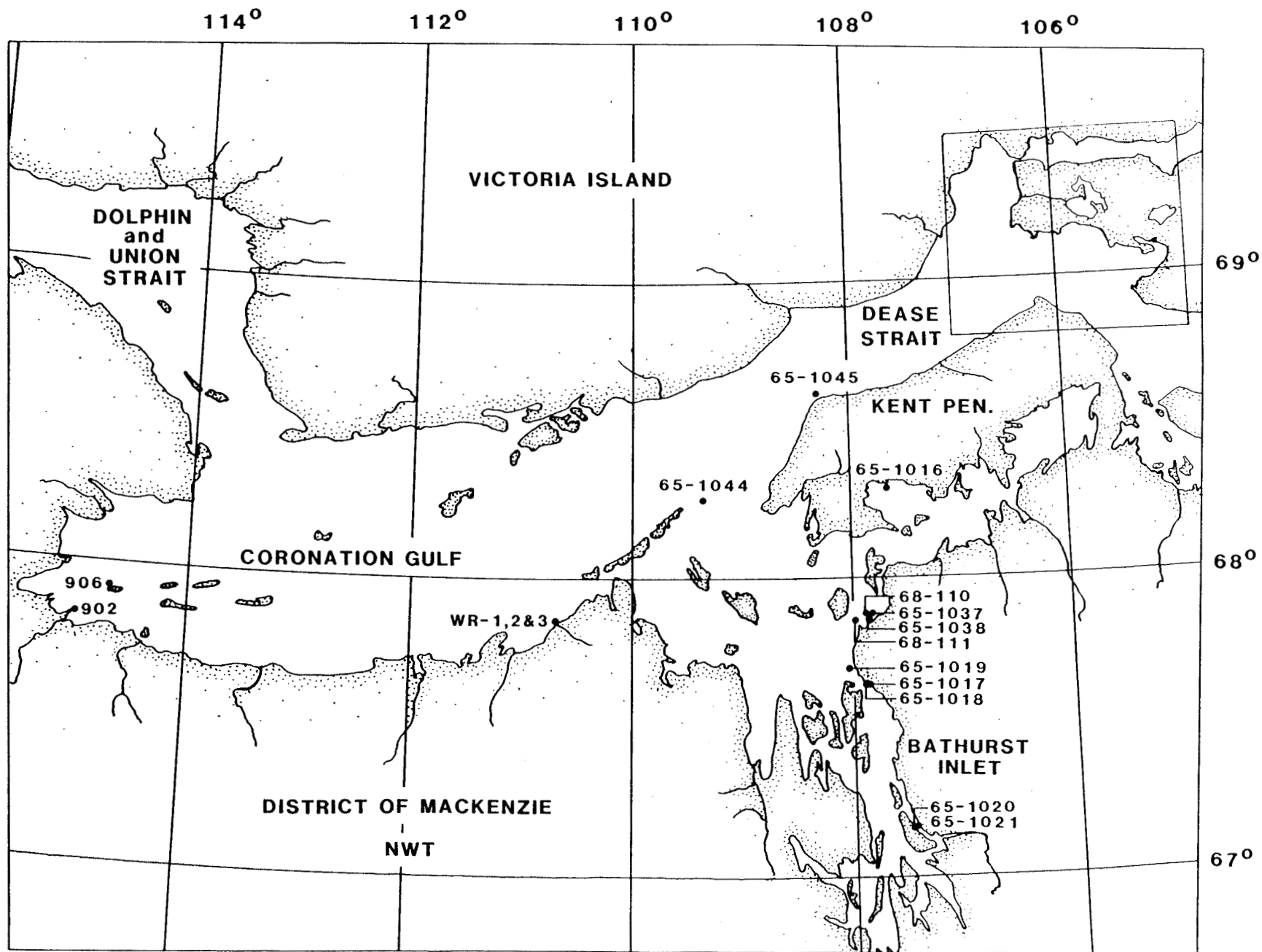


Fig. 5. Locations of benthic stations in the Bathurst Inlet - Dease Strait area.

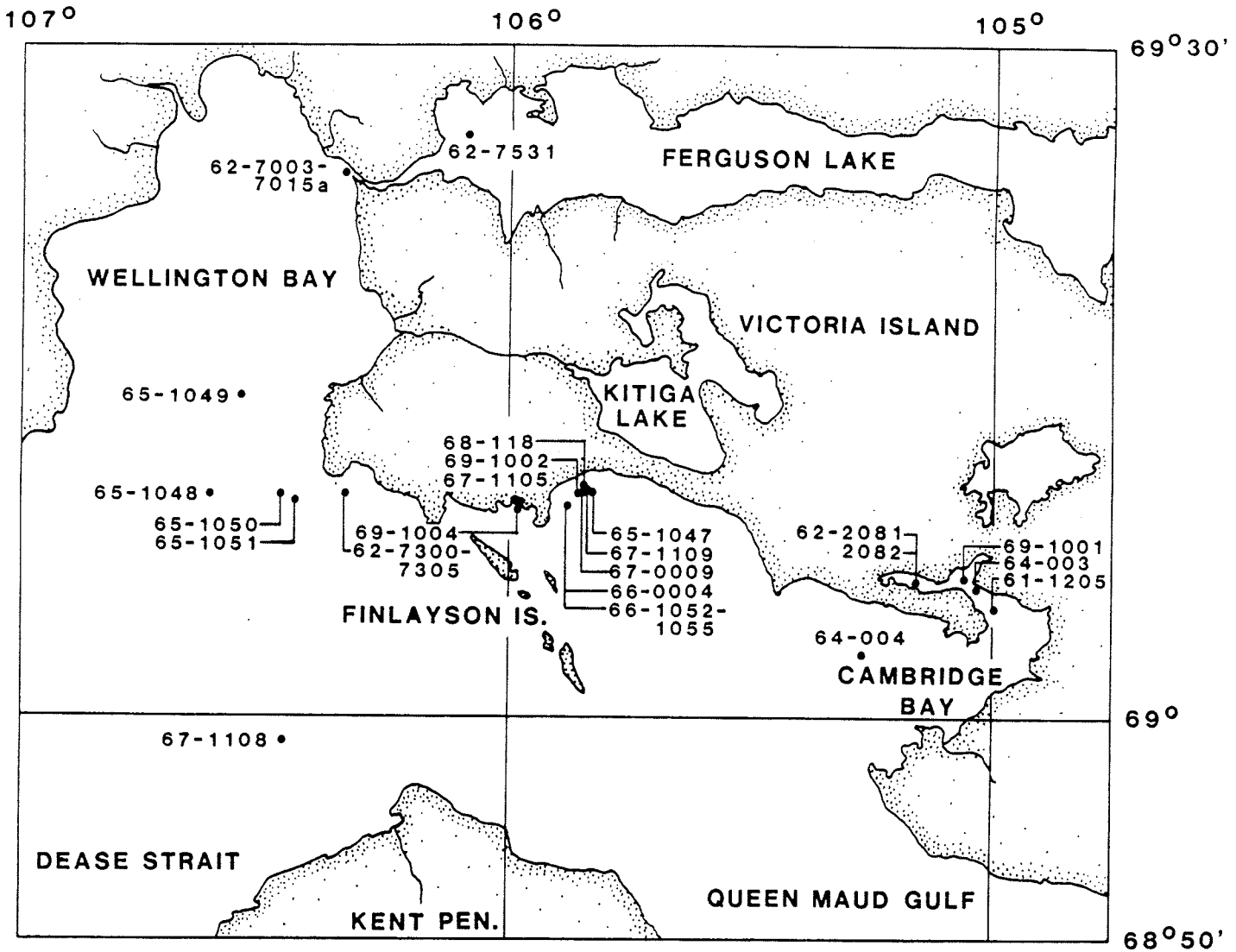


Fig. 6. Locations of benthic stations in eastern Dease Strait (rectangle of Fig. 5).

Table 99. Coordinates of stations sampled in the Bathurst Inlet-Dease Strait area from 1957 to 1969.

| Station     | North Latitude | West Longitude | Station          | North Latitude | West Longitude |
|-------------|----------------|----------------|------------------|----------------|----------------|
| <u>1957</u> |                |                | <u>1966</u>      |                |                |
| 902         | 67°50'         | 115°02'        | 66-0004          | 69°09.5'       | 105°52.7'      |
| 906         | 67°55'         | 114°55'        | 66-1052-<br>1055 | 69°09.5'       | 105°52.7'      |
| <u>1961</u> |                |                | <u>1967</u>      |                |                |
| 61-1205     | 69°05'         | 105°00'        | 67-1105          | 69°10'         | 105°59.8'      |
| <u>1962</u> |                |                | WR-1-3           | 67°53'         | 110°39.5'      |
| 62-7003     | 69°24.3'       | 106°19.5'      | 67-1108          | 68°58'8        | 106°28'        |
| 62-7004     | 69°24.3'       | 106°19.5'      | 67-1109          | 69°10.2'       | 105°50.7'      |
| 62-7006     | 69°24.3'       | 106°19.5'      | 67-0009          | 69°10'         | 105°51'        |
| 62-7008     | 69°24.3'       | 106°19.5'      | <u>1968</u>      |                |                |
| 62-7011     | 69°24.3'       | 106°19.5'      | 68-110           | 67°54'         | 110°51'        |
| 62-7015     | 69°24.3'       | 106°19.5'      | 68-111           | 67°52.5'       | 107°57.2'      |
| 62-7015a    | 69°24.3'       | 106°19.5'      | 68-118           | 69°10.5'       | 105°51'        |
| 62-7531     | 69°26'         | 106°05'        | <u>1969</u>      |                |                |
| 62-7300     | 69°10'         | 106°20'        | 69-1001          | 69°06.4'       | 105°04'        |
| 62-7301     | 69°10'         | 106°20'        | 69-1002          | 69°10.1'       | 110°51.5'      |
| 62-7302     | 69°10'         | 106°20'        | 69-1004          | 69°09.5'       | 105°58.8'      |
| 62-7305     | 69°10'         | 106°20'        |                  |                |                |
| 62-2081     | 69°06.2'       | 105°10'        |                  |                |                |
| 62-2082     | 69°06.2'       | 105°10'        |                  |                |                |
| <u>1964</u> |                |                |                  |                |                |
| 64-003      | 69°06'         | 105°02'        |                  |                |                |
| 64-004      | 69°02.8'       | 105°16.6'      |                  |                |                |
| <u>1965</u> |                |                |                  |                |                |
| 65-1016     | 68°18.9'       | 107°40'        |                  |                |                |
| 65-1017     | 67°41.8'       | 107°55'        |                  |                |                |
| 65-1018     | 67°41.8'       | 107°54.5'      |                  |                |                |
| 65-1019     | 67°43.6'       | 108°04'        |                  |                |                |
| 65-1020     | 67°09.5'       | 107°26'        |                  |                |                |
| 65-1021     | 67°09.5'       | 107°25'        |                  |                |                |
| 65-1037     | 67°53.8'       | 107°49'        |                  |                |                |
| 65-1038     | 67°51.7'       | 107°50.2'      |                  |                |                |
| 65-1044     | 68°18.2'       | 109°15'        |                  |                |                |
| 65-1045     | 68°39.4'       | 108°14.6'      |                  |                |                |
| 65-1047     | 69°10.1'       | 105°50'        |                  |                |                |
| 65-1048     | 69°09.8'       | 106°37'        |                  |                |                |
| 65-1049     | 69°14.4'       | 106°33'        |                  |                |                |
| 65-1050     | 69°10'         | 106°28'        |                  |                |                |
| 65-1051     | 69°09.7'       | 106°26'        |                  |                |                |

Table 100. Associated data for stations sampled in the Bathurst Inlet-Dease Strait area from 1957 to 1969.

| Station     | Date      | Depth<br>(m) | Time |     | Temp.<br>(°C) | Sal.<br>(‰) |
|-------------|-----------|--------------|------|-----|---------------|-------------|
|             |           |              | MST  | GMT |               |             |
| <u>1957</u> |           |              |      |     |               |             |
| 902         | 26 Jul,   |              |      |     |               |             |
|             | 11 Aug 57 | shore        |      |     |               |             |
| 906         | 9 Aug 57  | shore        |      |     |               |             |
| <u>1961</u> |           |              |      |     |               |             |
| 61-1205     | 5 Aug 61  |              |      |     |               |             |
| <u>1962</u> |           |              |      |     |               |             |
| 62-7003     | 29 Jun 62 | 3            |      |     |               |             |
| 62-7004     | 10 Jul 62 | 11           |      |     |               |             |
| 62-7006     | 22 Jul 62 | 20           |      |     |               |             |
| 62-7008     | 28 Jul 62 |              |      |     |               |             |
| 62-7011     | 12 Jul 62 |              |      |     |               |             |
| 62-7015     | 9 Aug 62  | 23           |      |     | -0.54         | 28.24       |
| 62-7015a    | 26 Aug 62 | shore        |      |     |               |             |
| 62-7531     | 5 Aug 62  |              |      |     |               |             |
| 62-7300,    |           |              |      |     |               |             |
| 7301        | 23 Aug 62 | 30           |      |     |               |             |
| 62-7302     | 23 Aug 62 | 50-60        |      |     |               |             |
| 62-7305     | 24 Aug 62 | 20-30        |      |     |               |             |
| 62-2081,    |           |              |      |     |               |             |
| 2082        | 10 Sep 62 | 16           |      |     |               |             |
| <u>1964</u> |           |              |      |     |               |             |
| 64-003      | 24 Aug 64 | 64           |      |     | -1.47         | 29.10       |
| 64-004      | 6 Sep 64  | 38           |      |     |               |             |
| <u>1965</u> |           |              |      |     |               |             |
| 65-1016     | 10 Aug 65 | 12           |      |     | 1.46          | 26.92       |
| 65-1017     | 11 Aug 65 | 10-35        |      |     |               |             |
| 65-1018     | 11 Aug 65 | 10-40        |      |     |               |             |
| 65-1019     | 11 Aug 65 | 230          |      |     | -1.18         | 30.48       |
| 65-1020,    |           |              |      |     |               |             |
| 1021        | 13 Aug 65 | 35           |      |     | -0.84         | 28.18       |
| 65-1037     | 18 Aug 65 | 110          |      |     | -1.04         | 28.37       |
| 65-1038     | 19 Aug 65 | 11           |      |     | 0.21          | 27.10       |
| 65-1044     | 23 Aug 65 | 120          |      |     | -1.37         | 28.64       |
| 65-1045     | 23 Aug 65 | 7            |      |     |               | 26.10       |
| 65-1047     | 27 Aug 65 | 50           |      |     | -1.27         | 28.98       |
| 65-1048     | 30 Aug 65 | 60           |      |     | -1.24         | 29.99       |
| 65-1049     | 30 Aug 65 | 47           |      |     | -1.06         | 28.80       |
| 65-1050     | 1 Sep 65  | 51           |      |     | -0.60         | 28.46       |
| 65-1051     | 1 Sep 65  | 40           |      |     | -0.60         | 28.46       |

Table 100. Continued.

| Station          | Date        | Depth<br>(m) | MST  | Time<br>GMT | Temp.<br>(°C) | Sal.<br>(‰) |
|------------------|-------------|--------------|------|-------------|---------------|-------------|
| <u>1966</u>      |             |              |      |             |               |             |
| 66-0004          | 3-25 Aug 66 | 53           |      |             |               |             |
| 66-1052-<br>1055 | 11 Aug 66   | 53           |      |             | -1.15         | 28.30       |
| <u>1967</u>      |             |              |      |             |               |             |
| 67-1105          | 16 Aug 67   | 53-56        | 1000 | 1700        |               |             |
| WR-1             | 16 Aug 67   | shore        |      |             |               |             |
| WR-2             | 16 Aug 67   | 7            |      |             |               |             |
| WR-3             | 16 Aug 67   | 21           |      |             |               |             |
| 67-1108          | 18 Aug 67   | 117-124      | 1050 | 1750        |               |             |
| 67-1109          | 18 Aug 67   | 50           |      |             | -1.29         | 29.07       |
| 67-0009          | 23 Nov 67   | 40           |      |             | -1.18         |             |
| <u>1968</u>      |             |              |      |             |               |             |
| 68-110           | 6 Aug 68    | 77           |      |             | -1.16         | 28.36       |
| 68-111           | 6 Aug 68    | 93           |      |             | -1.27         | 28.49       |
| 68-118a          | 20 Aug 68   | 5            | 1030 | 1730        |               |             |
| 68-118b          | 20 Aug 68   | 15           | 1130 | 1830        |               |             |
| 68-118c          | 20 Aug 68   | 26           | 1230 | 1930        |               |             |
| 68-118d          | 20 Aug 68   | 34           | 1330 | 2030        |               |             |
| <u>1969</u>      |             |              |      |             |               |             |
| 69-1001          | 6 Aug 69    | 47           | 1300 | 2000        |               |             |
| 69-1002          | 8,9 Aug 69  | 53           |      |             |               |             |
| 69-1004          | 11 Aug 69   | 5            |      |             |               |             |

Table 101. Benthic invertebrates collected by hand from station 902, 26 Jul and 11 Aug 1957.

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Species

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MOLLUSCA: Gastropoda  
*Cylichna alba*  
*Cylichna occulta*  
*Lunatia pallida*  
*Oenopota* sp. (cf. *cinerea*)

MOLLUSGA: Pelecypoda  
*Macoma calcarea*  
*Macoma torelli*  
*Mya truncata*

Table 102. Benthic invertebrates collected by hand from station 906, 9 Aug 1957.

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Species

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ARTHROPODA: Amphipoda  
*Gammarus setosus*

ECHINODERMATA: Echinoidea  
*Strongylocentrotus droebachiensis*

MOLLUSCA: Gastropoda  
*Acmaea testudinalis*  
*Buccinum scalariforme* (as *B. tenue*)

---

Species

---

MOLLUSCA: Pelecypoda  
*Mytilus edulis*

Table 103. Benthic invertebrates collected by net from station 61-1205, 5 Aug 1961.

---

Species

---

CHORDATA: Ascidiacea  
*Boltenia echinata*

Table 104. Benthic invertebrates collected by net from station 62-7003,  
29 Jun 1962.

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Species

---

MOLLUSCA: Gastropoda

*Cylichna* sp.

MOLLUSCA: Pelecypoda

*Hiatella arctica*

*Musculus discors* (f. *laevigatus* & *substriatus*)

*Mytilus edulis*

Table 105. Benthic invertebrates collected by net from station 62-7004,  
10 Jul 1962.

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Species

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ARTHROPODA: Amphipoda

*Atylus carinatus*

*Boeckosimus plautus*

*Haploops laevis*

*Pontoporeia femorata*

MOLLUSCA: Gastropoda

*Natica clausa*

MOLLUSCA: Pelecypoda

*Macoma calcarea*

*Macoma moesta*

*Musculus discors* (f. *laevigatus* & *substriatus*)

*Portlandia arctica* (f. *portlandica*)

*Thyasira dunbari*

Table 106. Benthic invertebrates collected by grab and net from station 62-7006, 22 Jul, and 62-7015, 9 Aug 1962.

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Species

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ARTHROPODA: Amphipoda

*Anonyx lilljeborgi*  
*Atylus carinatus*  
*Boeckosimus plautus*  
*Haploops laevis*  
*Melita quadrispinosa*  
*Menigratopsis svennilssoni*  
*Pontoporeia femorata*

ARTHROPODA: Cumacea

*Diastylis rathkei*  
*Diastylis scorpioides*

COELENTERATA: Anthozoa

*Cerianthus?* sp.

ECHINODERMATA: Ophuroidea

*Aphiocten sericeum*

MOLLUSCA: Gastropoda

*Cylichna alba*  
*Cylichna* sp.  
*Natica clausa*

MOLLUSCA: Pelecypoda

*Astarte borealis* (f. *placenta*)  
*Astarte montagui* (f. *warhami*)  
*Hiatella arctica*  
*Macoma calcarea*  
*Macoma moesta*  
*Musculus discors* (f. *substriatus* & *laevigatus*)  
*Musculus niger*  
*Mya truncata*  
*Mytilus edulis*  
*Nucula belloti*  
*Nuculana pernula* (f. *costigera*)  
*Portlandia arctica* (f. *portlandica*)  
*Thyasira dunbari*



Table 107. Benthic invertebrates collected by net from station 62-7008, 28 Jul, and 62-7011, 12 Jul 1962.

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Species

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MOLLUSCA: Pelecypoda  
*Astarte borealis* (f. placenta)  
*Clinocardium ciliatum*  
*Hiatella arctica*  
*Serripes groenlandicus*

Table 108. Benthic invertebrates collected by hand from station 62-7015a, 26 Aug 1962.

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Species

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ARTHROPODA: Isopoda  
*Mesidotea entomon*

Table 109. Benthic invertebrates collected by grap from station 62-7531, 5 Aug 1962.

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Species

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ARTHROPODA: Amphipoda  
*Gammarus wilkitzkii*

Table 110. Benthic invertebrates collected by trawl from station 62-7300, 62-7301, 23 Aug, and 62-7305, 24 Aug 1962.

| Species   | Species  |
|---|--|
| ANNELIDA: Polychaeta                              | ECHINODERMATA: Holothuroidea                       |
| <i>Chone</i> sp.                                  | <i>Cucumaria frondosa</i>                          |
| <i>Polydora</i> sp.                               | <i>Myriotrochus rinki</i>                          |
| <i>Pectinaria hyperborea</i>                      | <i>Psolus fabricii</i>                             |
|   | <i>Psolus phantapus</i>                            |
| ARTHROPODA: Amphipoda                             | ECHINODERMATA: Ophiuroidea                         |
| <i>Aeginina longicornis</i>                       | <i>Ophiocten sericeum</i>                          |
| <i>Ampelisca eschrichti</i>                       |  |
| <i>Arrhis phyllonyx</i>                           | MOLLUSCA: Gastropoda                               |
| <i>Haploops tubicola</i>                          | <i>Boreotrophon pacificus</i>                      |
| <i>Socarnes bidenticulatus</i>                    | <i>Boreotrophon truncatus</i>                      |
|   | <i>Buccinum hydrophanum</i>                        |
| ARTHROPODA: Cirripedia                            | <i>Buccinum undatum (belcheri)</i>                 |
| <i>Balanus balanus</i>                            | <i>Colus togatus</i>                               |
|   | <i>Cylichna alba</i>                               |
| ARTHROPODA: Cumacea                               | <i>Margarites costalis</i>                         |
| <i>Diastylis rathkei</i>                          | <i>Margarites umbilicalis</i>                      |
| <i>Diastylis scorpioides</i>                      | <i>Trichotropis borealis</i>                       |
|   |  |
| ARTHROPODA: Decapoda                              | MOLLUSCA: Pelecypoda                               |
| <i>Argis dentata</i>                              | <i>Astarte montagui</i> (f. <i>warhami</i> )       |
| <i>Eualus fabricii</i>                            | <i>Batharca glacialis</i>                          |
| <i>Lebbeus polaris</i>                            | <i>Clinocardium ciliatum</i>                       |
| <i>Sabinea septemcarinata</i>                     | <i>Hiatella arctica</i>                            |
|   | <i>Macoma moesta</i>                               |
| ARTHROPODA: Pycnogonida                           | <i>Musculus discors</i> (f. <i>laevigatus</i> )    |
| <i>Boreonymphon robustum</i> (as <i>Nymphon</i> ) | <i>Mya truncata</i>                                |
| <i>Nymphon hirtipes</i>                           | <i>Nuculana pernula</i>                            |
|   | <i>Pecten groenlandicus</i>                        |
| BRACHIOPODA                                       | <i>Portlandia arctica</i> (f. <i>portlandica</i> ) |
| <i>Hemithyris psittacea</i>                       |  |
|   | SIPUNCULA  |
| COELENTERATA: Anthozoa                            | <i>Phascolion strombi</i>                          |
| <i>Stomphia coccinea</i>                          |  |
|   |  |
| ECHINODERMATA: Asteroidea                         |  |
| <i>Leptasterias groenlandica</i>                  |  |
| <i>Poraniomorpha tumida</i>                       |  |
| <i>Solaster papposus</i>                          |  |
| <i>Urasterias lincki</i>                          |  |
|   |  |
| ECHINODERMATA: Crinoidea                          |  |
| <i>Heliometra glacialis</i>                       |  |
|   |  |
| ECHINODERMATA: Echinoidea                         |  |
| <i>Strongylocentrotus droebachiensis</i>          |  |

Table 111. Benthic invertebrates collected by trawl from station 62-7302,  
23 Aug 1962.

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Species

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ARTHROPODA: Cumacea

*Diastylis goodsiri*

*Diastylis spinulosa*

ARTHROPODA: Decapoda

*Sabinea septemcarinata*

ARTHROPODA: Pycnogonida

*Nymphon hirtipes*

*Nymphon mixtum*

ECHINODERMATA: Crinoidea

*Heliometra glacialis*

ECHINODERMATA: Echinoidea

*Strongylocentrotus droebachiensis*

ECHINODERMATA: Holothuroidea

*Psolus phantapus*

ECHINODERMATA: Ophiuroidea

*Ophiocten sericeum*

MOLLUSCA: Pelecypoda

*Astarte crenata*

*Bathyarca glacialis*

*Musculus discors* (f. *laevigatus* & *substriatus*)

*Pecten groenlandicus*

Table 112. Benthic invertebrates collected by trawl from station 62-2081 and 62-2082, 10 Sep 1962.

| Species                                  | Species                                    |
|--|--|
| ARTHROPODA: Amphipoda                    | MOLLUSCA: Pelecypoda                       |
| <i>Acanthostepheia malmgreni</i>         | <i>Astarte montagui</i> (f. warhami)       |
| <i>Apherusa megalops</i>                 | <i>Bathyarca glacialis</i>                 |
| <i>Haploops tubicola</i>                 | <i>Hiatella arctica</i>                    |
| <i>Rhachotropis oculata</i>              | <i>Musculus corrugatus</i>                 |
| <i>Socarnes vahli</i>                    | <i>Musculus discors</i> (f. laevigatus)    |
| <i>Stegocephalus inflatus</i>            | <i>Nucula belloti</i>                      |
| ARTHROPODA: Cumacea                      | <i>Portlandia arctica</i>                  |
| <i>Diastylis goodsiri</i>                | <i>Portlandia arctica</i> (f. portlandica) |
| <i>Diastylis scorpioides</i>             | <i>Portlandia frigida</i>                  |
| <i>Leucon nasica</i>                     | SIPUNCULA                                  |
| ARTHROPODA: Decapoda                     | <i>Phascolion strombi</i>                  |
| <i>Eualus fabricii</i>                   |  |
| <i>Eualus gaimardi</i>                   |  |
| <i>Sabinea septemcarinata</i>            |  |
| ARTHROPODA: Pycnogonida                  |  |
| <i>Nymphon hirtipes</i>                  |  |
| CHORDATA: Ascidiacea                     |  |
| <i>Didemnum albidum</i>                  |  |
| COELENTERATA: Anthozoa                   |  |
| <i>Allantactis parasitica</i>            |  |
| ECHINODERMATA: Echinoidea                |  |
| <i>Strongylocentrotus droebachiensis</i> |  |
| ECHINODERMATA: Ophiuroidea               |  |
| <i>Ophiocten sericeum</i>                |  |
| <i>Ophiopleura borealis</i>              |  |
| MOLLUSCA: Amphineura                     |  |
| <i>Tonicella marmorea</i>                |  |
| MOLLUSCA: Gastropoda                     |  |
| <i>Buccinum undatum</i> (belcheri)       |  |
| <i>Colus pubescens</i>                   |  |
| <i>Colus togatus</i>                     |  |
| <i>Cylichna alba</i>                     |  |
| <i>Margarites costalis</i>               |  |
| <i>Margarites umbilicalis</i>            |  |
| <i>Oenopota bicarinata</i>               |  |
| <i>Philine finmarchica</i>               |  |
| <i>Solariella obscura</i>                |  |
| <i>Trichotropis bicarinata</i>           |  |
| <i>Trichotropis borealis</i>             |  |

Table 113. Benthic invertebrates collected by trawl from station 64-003, 26 Aug 1964.

| Species   | Species                                      |
|---|--|
| COELENTERATA: Anthozoa<br><i>Allantactis parasitica</i><br><i>Drifa glomerata</i> | MOLLUSCA: Gastropoda<br><i>Colus togatus</i> |
| CHORDATA: Ascidiacea<br><i>Ascidia obliqua</i>                                    |  |

Table 114. Benthic invertebrates collected by trawl from station 64-004, 6 Sep 1964.

| Species  | Species   |
|--|---|
| ANNELIDA: Polychaeta<br><i>Cirratulus cirratus</i>   | ARTHROPODA: Pycnogonida<br><i>Boreonymphon abyssorum</i><br><i>Boreonymphon ossiansarsi</i><br><i>Boreonymphon robustum</i><br><i>Nymphon hirtipes</i><br><i>Nymphon sluiteri</i> |
| ARTHROPODA: Amphipoda<br><i>Ampelisca eschrichti</i><br><i>Anonyx debruyni</i><br><i>Anonyx nugax</i><br><i>Socarnes bidenticulatus</i>  | ARTHROPODA: Tanaidacea<br><i>Leptognathia sarsi</i>   |
| ARTHROPODA: Cirripedia<br><i>Balanus balanus</i><br><i>Balanus crenatus</i>  | ASCHELMINTHES: Nematoda<br>Nematodes  |
| ARTHROPODA: Cumacea<br><i>Diastylis goodsiri</i><br><i>Diastylis rathkei</i>   | CHORDATA: Ascidiacea<br><i>Eugyra pedunculata?</i>  |
| ARTHROPODA: Decapoda<br><i>Argis dentata</i><br><i>Eualus fabricii</i><br><i>Eualus gaimardi</i><br><i>Lebbeus polaris</i><br><i>Sabinea septemcarinata</i><br><i>Spirontocaris phippii</i><br><i>Spirontocaris spinus</i> | COELENTERATA: Anthozoa<br><i>Allantactis parasitica</i><br><i>Gersemia rubiformis</i>   |
|  | COELENTERATA: Hydrozoa<br><i>Lafoea gracillima</i>  |

Table 114. Continued.

| Species  | Species   |
|--|---|
| ECHINODERMATA: Crinoidea<br><i>Helioметра glacialis</i>  | MOLLUSCA: Gastropoda<br><i>Buccinum hydrophanum</i><br><i>Colus togatus</i><br><i>Trichotropis borealis</i>   |
| ECHINODERMATA: Echinoidea<br><i>Strongylocentrotus droebachiensis</i>  |   |
| ECHINODERMATA: Holothuroidea<br><i>Cucumaria calcigera</i><br><i>Cucumaria frondosa</i><br><i>Myriotrochus rinki</i> | MOLLUSCA: Pelecypoda<br><i>Astarte borealis</i> (f. placenta)<br><i>Astarte crenata</i><br><i>Astarte crenata</i> (crebricostata)<br><i>Astarte montagui</i> (f. warhami)<br><i>Bathyarca glacialis</i><br><i>Hiatella arctica</i><br><i>Musculus discors</i> (f. laevigatus)<br><i>Musculus niger</i><br><i>Pecten groenlandicus</i> |
| ECHINODERMATA: Ophiuroidea<br><i>Ophiocten sericeum</i>  | SIPUNCULA<br><i>Phascolion strombi</i>  |

Table 115. Benthic invertebrates collected by trawl from station 65-1016, 10 Aug 1965.

| Species  | Species  |
|--|--|
| ANNELIDA: Polychaeta<br><i>Antinoella sarsi</i><br><i>Flabelligera affinis</i><br><i>Gattyana cirrosa</i><br><i>Harmothoe extenuata</i><br><i>Harmothoe imbricata</i><br><i>Nereimyra aphroditoides</i><br><i>Pectinaria granulata</i><br><i>Pholoe minuta</i> | CHORDATA: Ascidiacea<br><i>Ascidia callosa</i><br><i>Ascidia obliqua</i>   |
| ARTHROPODA: Amphipoda<br><i>Atylus carinatus</i><br><i>Orchomene pinguis</i><br><i>Pontoporeia femorata</i><br><i>Weyprechtia pinguis</i>  | ECHINODERMATA: Echinoidea<br><i>Strongylocentrotus droebachiensis</i>  |
| ARTHROPODA: Isopoda<br><i>Mesidotea entomon</i>  | MOLLUSCA: Gastropoda<br><i>Aquilonaria turneri</i><br><i>Lacuna</i> sp.<br><i>Tachyrhynchus erosus</i><br><i>Trichotropis borealis</i>   |
| ARTHROPODA: Mysidacea<br><i>Mysis oculata</i>  | MOLLUSCA: Pelecypoda<br><i>Astarte montagui</i><br><i>Clinocardium ciliatum</i><br><i>Hiatella arctica</i><br><i>Musculus discors</i><br><i>Musculus niger</i><br><i>Mytilus edulis</i><br><i>Portlandia arctica</i> |

Table 116. Benthic invertebrates collected by trawl from station 65-1017 and 65-1018, 11 Aug 1965.

| Species                                  | Species  |
|--|--|
| ANNELIDA: Polychaeta                     | ECHINODERMATA: Holothuroidea                       |
| <i>Aglaophamus malmgreni</i>             | <i>Myriotrochus rinki</i>                          |
| <i>Antinoella badia</i>                  | <i>Psolus phantapus</i>                            |
| <i>Branchiomma infarcta</i>              | ECHINODERMATA: Ophiuroidea                         |
| <i>Chone</i> sp.                         | <i>Ophiocten sericeum</i>                          |
| <i>Gattyana cirrosa</i>                  | MOLLUSCA: Gastropoda                               |
| <i>Melaenis loveni</i>                   | <i>Boreotrophon pacificus</i>                      |
| <i>Nephtys ciliata</i>                   | <i>Buccinum hydrophanum</i>                        |
| <i>Nereis zonata</i>                     | <i>Buccinum polare</i>                             |
| <i>Pista maculata</i>                    | <i>Buccinum scalariforme</i> (as <i>B. tenue</i> ) |
| <i>Sphaerodorium gracile</i>             | <i>Colus togatus</i>                               |
| ARTHROPODA: Amphipoda                    | <i>Margarites costalis</i>                         |
| <i>Ampelisca eschrichti</i>              | <i>Trichotropis borealis</i>                       |
| <i>Anonyx nugax</i>                      | MOLLUSCA: Pelecypoda                               |
| <i>Atylus carinatus</i>                  | <i>Hiatella arctica</i>                            |
| <i>Paroediceros</i> sp.                  |  |
| <i>Socarnes bidenticulatus</i>           |  |
| <i>Stegocephalus inflatus</i>            |  |
| ARTHROPODA: Cumacea                      |  |
| <i>Diastylis goodsiri</i>                |  |
| <i>Diastylis rathkei</i>                 |  |
| ARTHROPODA: Decapoda                     |  |
| <i>Argis dentata</i>                     |  |
| <i>Sabinea septemcarinata</i>            |  |
| ARTHROPODA: Pycnogonida                  |  |
| <i>Boreonymphon robustum</i>             |  |
| <i>Nymphon hirtipes</i>                  |  |
| <i>Nymphon longitarse</i>                |  |
| <i>Pseudopallene brevicollis</i>         |  |
| CHORDATA: Ascidiacea                     |  |
| <i>Ascidia callosa</i>                   |  |
| COELENTERATA: Anthozoa                   |  |
| <i>Allantactis parasitica</i>            |  |
| <i>Gersemia rubiformis</i>               |  |
| ECHINODERMATA: Echinoidea                |  |
| <i>Strongylocentrotus droebachiensis</i> |  |

Table 117. Benthic invertebrates collected by trawl from station 65-1019,  
11 Aug 1965.

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Species

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ANNELIDA: Polychaeta

*Amphicteis gunneri*

*Polyphysia crassa*

ARTHROPODA: Amphipoda

*Anonyx nugax*

ARTHROPODA: Decapoda

*Argis dentata*

*Lebbeus polaris*

*Sabinea septemcarinata*

COELENTERATA: Anthozoa

*Allantactis parasitica*

ECHINODERMATA: Holothuroidea

*Molpadia arctica*

MOLLUSCA: Gastropoda

*Buccinum hydrophanum*

*Colus togatus*



Table 118. Benthic invertebrates collected by trawl from station 65-1020 and 65-1021, 13 Aug 1965.

| Species                          | Species                          |
|----------------------------------|----------------------------------|
| ANNELIDA: Polychaeta             | ARTHROPODA: Isopoda              |
| <i>Aglaophamus malmgreni</i>     | <i>Munnopsis typica</i>          |
| <i>Antinoella sarsi</i>          |                                  |
| <i>Branchiomma infarcta</i>      | ARTHROPODA: Pycnogonida          |
| <i>Chaetozone</i> sp.            | <i>Boreonymphon robustum</i>     |
| <i>Euchone papillosa</i>         | <i>Nymphon hirtipes</i>          |
| <i>Gattyana cirrosa</i>          | <i>Nymphon longitarse</i>        |
| <i>Glyphanostomum pallescens</i> | <i>Pseudopallene brevicollis</i> |
| <i>Harmothoe nodosa</i>          |                                  |
| <i>Laonice cirrata</i>           | CHORDATA: Ascidiacea             |
| <i>Maldane sarsi</i>             | <i>Ascidia callosa</i>           |
| <i>Melaenis loveni</i>           |                                  |
| <i>Myriochele heeri</i>          | COELENTERATA: Anthozoa           |
| <i>Nereis zonata</i>             | <i>Gersemia rubiformis</i>       |
| <i>Onuphis conchylega</i>        |                                  |
| <i>Owenia fusiformis</i>         | ECHINODERMATA: Asteroidea        |
| <i>Phyllodoce groenlandica</i>   | <i>Urasterias lincki</i>         |
| <i>Pista maculata</i>            |                                  |
| <i>Polyphysia crassa</i>         | ECHINODERMATA: Holothuroidea     |
| <i>Sabellides borealis</i>       | <i>Myriotrochus rinki</i>        |
| <i>Spiochaetopterus typicus</i>  |                                  |
|                                  | ECTOPROCTA                       |
| ARTHROPODA: Amphipoda            | <i>Alcyonidium</i> sp.           |
| <i>Acanthostepheia malmgreni</i> |                                  |
| <i>Anonyx nugax</i>              | MOLLUSCA: Gastropoda             |
| <i>Arrhis phyllonyx</i>          | <i>Colus togatus</i>             |
| <i>Atylus smitti</i>             | <i>Velutina velutina</i>         |
| <i>Haploops tubicola</i>         |                                  |
| <i>Ischyrocerus stephensi</i>    | MOLLUSCA: Pelecypoda             |
| <i>Paroediceros lynceus</i>      | <i>Astarte crenata</i>           |
| <i>Stegocephalus inflatus</i>    |                                  |
| <i>Tmetonyx cicada</i>           |                                  |
|                                  |                                  |
| ARTHROPODA: Cumacea              |                                  |
| <i>Diastylis rathkei</i>         |                                  |
| <i>Diastylis scorpioides</i>     |                                  |
| <i>Diastylis spinulosa</i>       |                                  |
|                                  |                                  |
| ARTHROPODA: Decapoda             |                                  |
| <i>Argis dentata</i>             |                                  |
| <i>Eualus fabricii</i>           |                                  |
| <i>Eualus macilentus</i>         |                                  |
| <i>Eualus stoneyi</i>            |                                  |
| <i>Sabinea septemcarinata</i>    |                                  |

Table 119. Benthic invertebrates collected by trawl from station 65-1037,  
18 Aug 1965.

| Species                       | Species                      |
|-------------------------------|------------------------------|
| ANNELIDA: Polychaeta          | ECHINODERMATA: Asteroidea    |
| <i>Aglaophamus malmgreni</i>  | <i>Poranimorpha tumida</i>   |
| <i>Amphitrite cirrata</i>     | ECHINODERMATA: Holothuroidea |
| <i>Chaetozone setosa</i>      | <i>Myriotrochus rinki</i>    |
| <i>Euchone analis</i>         | ECHINODERMATA: Ophiuroidea   |
| <i>Euchone papillosa</i>      | <i>Ophiopleura borealis</i>  |
| <i>Leaena abbranchiata</i>    | MOLLUSCA: Gastropoda         |
| <i>Lysippe labiata</i>        | <i>Colus togatus</i>         |
| <i>Pectinaria hyperborea</i>  | <i>Cyclichna occulta</i>     |
| <i>Polyphysia crassa</i>      | <i>Oenopota incisula</i>     |
| <i>Scalibregma inflatum</i>   | <i>Velutina undata</i>       |
| <i>Terebellides stroemi</i>   |                              |
| ARTHROPODA: Decapoda          |                              |
| <i>Eualus macilentus</i>      |                              |
| COELENTERATA: Anthozoa        |                              |
| <i>Allantactis parasitica</i> |                              |
| Anthozoan                     |                              |

Table 120. Benthic invertebrates collected by trawl from station 65-1038,  
19 Aug 1965.

| Species                       | Species  |
|-------------------------------|--|
| ANNELIDA: Polychaeta          | ECHINODERMATA: Ophiuroidea                         |
| <i>Gattyana cirrosa</i>       | <i>Ophiocten sericeum</i>                          |
| <i>Nephtys ciliata</i>        | MOLLUSCA: Gastropoda                               |
| <i>Pectinaria granulata</i>   | <i>Buccinum angulosum</i>                          |
| <i>Pectinaria hyperborea</i>  | <i>Buccinum polare</i>                             |
| <i>Terebellides stroemi</i>   | <i>Buccinum scalariforme</i> (as <i>B. tenue</i> ) |
| COELENTERATA: Anthozoa        | <i>Colus togatus</i>                               |
| <i>Allantactis parasitica</i> | <i>Cylichna occulta</i>                            |
| ECHINODERMATA: Asteroidea     | <i>Tachyrhynchus erosus</i>                        |
| <i>Urasterias lincki</i>      | <i>Trichotropis borealis</i>                       |

Table 121. Benthic invertebrates collected by trawl from station 65-1044,  
23 Aug 1965.

| Species                          | Species                     |
|----------------------------------|-----------------------------|
| ANNELEIDA: Polychaeta            | MOLLUSCA: Gastropoda        |
| <i>Aglaophamus malmgreni</i>     | <i>Buccinum hydrophanum</i> |
| <i>Branchiomma infarcta</i>      | <i>Colus togatus</i>        |
| <i>Chone</i> sp.                 | <i>Lunatia pallida</i>      |
| <i>Euchone papillosa</i>         | <i>Margarites costalis</i>  |
| <i>Onuphis conchylega</i>        | <i>Velutina undata</i>      |
| <i>Spiochaetopterus typicus</i>  | <i>Velutina velutina</i>    |
| ARTHROPODA: Amphipoda            | SIPUNCULA                   |
| <i>Ischyrocerus stephensi</i>    | <i>Phascolion strombi</i>   |
| ARTHROPODA: Pycnogonida          |                             |
| <i>Boreonymphon ossiansarsi</i>  |                             |
| <i>Boreonymphon robustum</i>     |                             |
| <i>Nymphon hirtipes</i>          |                             |
| <i>Nymphon sluiteri</i>          |                             |
| <i>Pseudopallene brevicollis</i> |                             |
| COELENTERATA: Hydrozoa           |                             |
| <i>Campanularia volubilis</i>    |                             |
| <i>Opercularella lacerata</i>    |                             |
| <i>Ptychogena lactea</i>         |                             |
| <i>Sertularella tricuspida</i>   |                             |
| <i>Sertularia similis</i>        |                             |
| ECHINODERMATA: Asteroidea        |                             |
| <i>Pteraster militaris</i>       |                             |
| <i>Urasterias lincki</i>         |                             |
| ECHINODERMATA: Crinoidea         |                             |
| <i>Heliometra glacialis</i>      |                             |
| ECHINODERMATA: Ophiuroidea       |                             |
| <i>Ophiocten sericeum</i>        |                             |
| ECTOPROCTA                       |                             |
| <i>Notoplites smitti</i>         |                             |
| <i>Parasmittina jeffreysi</i>    |                             |
| <i>Pseudoflustra solida</i>      |                             |

Table 122. Benthic invertebrates collected by trawl from station 65-1045,  
23 Aug 1965.

| Species                                  | Species  |
|--|--|
| ANNELIDA: Polychaeta                     | MOLLUSCA: Gastropoda                               |
| <i>Aglaophamus malmgreni</i>             | <i>Amauropsis purpurea</i>                         |
| <i>Antinoella badia</i>                  | <i>Buccinum scalariforme</i> (as <i>B. tenue</i> ) |
| <i>Antinoella sarsi</i>                  | <i>Philine quadrata?</i>                           |
| <i>Branchiomma infarcta</i>              |  |
| <i>Euchone papillosa</i>                 | MOLLUSCA: Pelecypoda                               |
| <i>Harmothoe nodosa</i>                  | <i>Bathyarca glacialis</i>                         |
| <i>Harmothoe oerstedii</i>               |  |
| <i>Nereimyra aphroditoides</i>           |  |
| <i>Nereis zonata</i>                     |  |
| <i>Notomastus latericeus</i>             |  |
| <i>Onuphis conchylega</i>                |  |
| <i>Paranaitis wahlbergi</i>              |  |
| <i>Polyphysia crassa</i>                 |  |
| <i>Spiochaetopterus typicus</i>          |  |
| ARTHROPODA: Amphipoda                    |  |
| <i>Anonyx nugax</i>                      |  |
| <i>Stegocephalus inflatus</i>            |  |
| ARTHROPODA: Cumacea                      |  |
| <i>Diastylis goodsiri</i>                |  |
| ARTHROPODA: Decapoda                     |  |
| <i>Argis dentata</i>                     |  |
| <i>Eualus gaimardi</i>                   |  |
| <i>Sabinea septemcarinata</i>            |  |
| ARTHROPODA: Pycnogonida                  |  |
| <i>Nymphon hirtipes</i>                  |  |
| ECHINODERMATA: Echinoidea                |  |
| <i>Strongylocentrotus droebachiensis</i> |  |
| ECHINODERMATA: Holothuroidea             |  |
| <i>Cucumaria frondosa</i>                |  |
| <i>Myriotrochus rinki</i>                |  |
| ECHINODERMATA: Ophiuroidea               |  |
| <i>Ophiocten sericeum</i>                |  |

Table 123. Benthic invertebrates collected by trawl from station 65-1048,  
30 Aug 1965.

| Species   | Species                       |
|---|-------------------------------|
| ANNELIDA: Polychaeta                                    | ECHINODERMATA: Ophiuroidea    |
| <i>Aglaophamus malmgreni</i>                            | <i>Ophiocten sericeum</i>     |
| <i>Antinoella sarsi</i>                                 |                               |
| <i>Chone</i> sp.  | ECTOPROCTA                    |
| <i>Flabelligera affinis</i>                             | <i>Eucratea loricata</i>      |
| <i>Phyllodoce groenlandica</i>                          | <i>Parasmittina jeffreysi</i> |
|   | <i>Pseudoflustra solida</i>   |
| ARTHROPODA: Amphipoda                                   | MOLLUSCA: Gastropoda          |
| <i>Ampelisca eschrichti</i>                             | <i>Capulacmaea radiata</i>    |
| <i>Ischyrocerus stephenseni</i>                         | <i>Colus togatus</i>          |
| <i>Paramphithoe hystrix</i>                             | <i>Velutina velutina</i>      |
| <i>Pleusymtes pulchellus</i> (as <i>Stenopleustes</i> ) |                               |
| <i>Socarnes bidenticulatus</i>                          | MOLLUSCA: Pelecypoda          |
| <i>Stegocephalus inflatus</i>                           | <i>Bathyarca glacialis</i>    |
|   | <i>Musculus discors</i>       |
| ARTHROPODA: Decapoda                                    | <i>Pecten groenlandicus</i>   |
| <i>Argis dentata</i>                                    |                               |
| <i>Eualus gaimardi</i>                                  |                               |
| <i>Sabinea septemcarinata</i>                           |                               |
| <i>Spirontocaris spinus</i>                             |                               |
|   |                               |
| ARTHROPODA: Isopoda                                     |                               |
| <i>Arcturus baffini</i>                                 |                               |
| <i>Munna kroyeri</i>                                    |                               |
|   |                               |
| ARTHROPODA: Pycnogonida                                 |                               |
| <i>Boreonymphon abyssorum</i>                           |                               |
| <i>Boreonymphon ossiansarsi</i>                         |                               |
| <i>Boreonymphon robustum</i>                            |                               |
| <i>Nymphon hirtipes</i>                                 |                               |
| <i>Pseudopallene brevicollis</i>                        |                               |
|   |                               |
| COELENTERATA: Anthozoa                                  |                               |
| <i>Gersemia rubiformis</i>                              |                               |
|   |                               |
| COELENTERATA: Hydrozoa                                  |                               |
| <i>Eudendrium tenellum</i>                              |                               |
|   |                               |
| ECHINODERMATA: Echinoidea                               |                               |
| <i>Strongylocentrotus droebachiensis</i>                |                               |
|   |                               |
| ECHINODERMATA: Holothuroidea                            |                               |
| <i>Myriotrochus rinki</i>                               |                               |

Table 124. Benthic invertebrates collected by trawl from station 65-1049,  
30 Aug 1965.

---

Species

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ANNELIDA: Polychaeta

*Antinoella badia*

*Brada villosa*

*Chone* sp.

*Phyllodoce groenlandica*

ARTHROPODA: Amphipoda

*Ampelisca eschrichti*

*Ischyrocerus stephenseni*

*Paramphithoe hystrix*

*Socarnes bidenticulatus*

ARTHROPODA: Decapoda

*Eualus gaimardi*

*Lebbeus polaris*

*Sabinea septemcarinata*

*Spirontocaris spinus*

ARTHROPODA: Isopoda

*Munna kroyeri*

ARTHROPODA: Pycnogonida

*Boreonymphon abyssorum*

*Boreonymphon assiansarsi*

*Boreonymphon robustum*

*Nymphon hirtipes*

*Nymphon sluiteri*

*Pseudopallene brevicollis*

COELENTERATA: Anthozoa

*Gersemia rubiformis*

ECHINODERMATA: Ophiuroidea

*Ophiocten sericeum*

MOLLUSCA: Gastropoda

*Buccinum angulosum*

*Buccinum hydrophanum*

*Colus togatus*

*Margarites costalis*

*Oenopata reticulata*

MOLLUSCA: Pelecypoda

*Hiatella arctica*

Table 125. Benthic invertebrates collected by trawl from station 65-1050,  
1 Sep 1965.

| Species   | Species  |
|---|--|
| ANNELIDA: Hirudinea<br><i>Notostomum cyclostoma</i>   | ARTHROPODA: Pycnogonida<br><i>Boreonymphon abyssorum</i><br><i>Boreonymphon ossiansarsi</i><br><i>Boreonymphon robustum</i><br><i>Colossendeis proboscidea</i><br><i>Nymphon hirtipes</i><br><i>Nymphon sluiteri</i> |
| ANNELIDA: Polychaeta<br><i>Antinoella badia</i><br><i>Harmothoe nodosa</i><br><i>Melaenis loveni</i><br><i>Pista maculata</i> | ECHINODERMATA: Ophiuroidea<br><i>Ophiocten sericeum</i>  |
| ARTHROPODA: Amphipoda<br><i>Acanthostepheia malmgreni</i><br><i>Ampelisca eschrichti</i><br><i>Socarnes bidenticulatus</i>    | MOLLUSCA: Gastropoda<br><i>Buccinum hydrophanum</i>  |
| ARTHROPODA: Decapoda<br><i>Eualus gaimardi</i><br><i>Sabinea septemcarinata</i>   | MOLLUSCA: Pelecypoda<br><i>Pecten groenlandicus</i> (as<br><i>Delectopecten</i> )  |

Table 126. Benthic invertebrates collected by trawl from station 65-1051,  
1 Sep 1965.

| Species   | Species   |
|---|---|
| ANNELIDA: Polychaeta<br><i>Harmothoe extenuata</i><br><i>Laonice cirrata</i><br><i>Nephtys paradoxa</i><br><i>Pista maculata</i><br><i>Spiochaetopterus typicus</i> | ARTHROPODA: Isopoda<br><i>Arcturus baffini</i>  |
| ARTHROPODA: Amphipoda<br><i>Ampelisca eschrichti</i>  | COELENTERATA: Anthozoa<br><i>Gersemia rubiformis</i>  |
| ARTHROPODA: Cumacea<br><i>Diastylis goodsiri</i>  | ECHINODERMATA: Echinoidea<br><i>Strongylocentrotus droebachiensis</i>   |
| ARTHROPODA: Decapoda<br><i>Sabinea septemcarinata</i>   | ECHINODERMATA: Ophiuroidea<br><i>Ophiocten sericeum</i>   |
|   | MOLLUSCA: Gastropoda<br><i>Buccinum hydrophanum</i><br><i>Colus togatus</i><br><i>Margarites costalis</i><br><i>Neptunea despecta</i> |

Table 127. Density, ash free dry weight (AFDW) and caloric value of benthic invertebrates collected by grab from station 67-1105, 16 Aug 1967.

| Species                         | No.<br>m <sup>-2</sup> | AFDW<br>g m <sup>-2</sup> | Cal.<br>m <sup>-2</sup> |
|---------------------------------|------------------------|---------------------------|-------------------------|
| ANNELIDA: Polychaeta            |                        |                           |                         |
| <i>Aglaothamus malmgreni</i>    | 26                     | 0.3424                    | 1904                    |
| <i>Ampharete arctica</i>        | 2                      | 0.0001                    | 1                       |
| <i>Aricidea jeffreysi</i>       | 2                      | 0.0001                    | 1                       |
| <i>Chaetozone setosa</i>        | 2                      | 0.0017                    | 9                       |
| <i>Chaetozone</i> sp.           | 5                      | 0.0016                    | 8                       |
| <i>Euchone papillosa</i>        | 12                     | 0.0022                    | 12                      |
| <i>Flabelligera affinis</i>     | 2                      | 0.0006                    | 3                       |
| <i>Laonice cirrata</i>          | 9                      | 0.0273                    | 151                     |
| <i>Leiochone polaris</i>        | 5                      | 0.0011                    | 6                       |
| <i>Lumbrineris fragilis</i>     | 2                      | 0.0311                    | 173                     |
| <i>Lumbrineris minuta</i>       | 22                     | 0.0162                    | 92                      |
| <i>Lysippe labiata</i>          | 9                      | 0.0029                    | 16                      |
| <i>Maldane sarsi</i>            | 14                     | 0.0324                    | 179                     |
| <i>Nephtys paradoxa</i>         | 2                      | 0.0173                    | 105                     |
| <i>Notomastus latericeus</i>    | 3                      | 0.0110                    | 61                      |
| <i>Pholoe minuta</i>            | 2                      | 0.0004                    | 2                       |
| <i>Polydora caulleryi</i>       | 2                      | 0.0004                    | 2                       |
| <i>Polyphysia crassa</i>        | 2                      | 0.2036                    | 1132                    |
| <i>Praxillella praetermissa</i> | 3                      | 0.0040                    | 22                      |
| <i>Scoloplos armiger</i>        | 5                      | 0.0055                    | 30                      |
| <i>Spiochaetopterus typicus</i> | 2                      | 0.0006                    | 3                       |
| <i>Terebellides stroemi</i>     | 10                     | 0.0091                    | 50                      |
| <i>Tharyx acutus</i>            | 12                     | 0.0075                    | 41                      |
| ARTHROPODA: Amphipoda           |                        |                           |                         |
| Amphipods                       | -                      | 0.0117                    | 67                      |
| ARTHROPODA: Cumacea             |                        |                           |                         |
| <i>Diastylis goodsiri</i>       | 7                      | 0.0089                    | 51                      |
| <i>Leucon nasica</i>            | 2                      | 0.0002                    | 1                       |
| ARTHROPODA: Isopoda             |                        |                           |                         |
| <i>Gnathia elongata</i>         | 3                      | 0.0005                    | 3                       |
| <i>Gnathia maxillaris</i>       | 2                      | 0.0006                    | 3                       |
| COELENTERATA: Anthozoa          |                        |                           |                         |
| <i>Cerianthus?</i> sp.          | 5                      | 0.0538                    | 277                     |
| <i>Edwardsia</i> sp.            | 2                      | 0.0004                    | 2                       |
| ECHINODERMATA: Ophiuroidea      |                        |                           |                         |
| <i>Ophiocten sericeum</i>       | 7                      | 0.0011                    | 6                       |
| ECTOPROCTA                      |                        |                           |                         |
| <i>Alcyonidium gelatinosum</i>  | 3                      | 0.0028                    | 11                      |



Table 127. Continued.

| Species                       | No.<br>m <sup>-2</sup> | AFDW<br>g m <sup>-2</sup> | Cal.<br>m <sup>-2</sup> |
|-------------------------------|------------------------|---------------------------|-------------------------|
| MOLLUSCA: Gastropoda          |                        |                           |                         |
| <i>Oenopota</i> sp.           | 3                      | 0.0028                    | 15                      |
| MOLLUSCA: Pelecypoda          |                        |                           |                         |
| <i>Astarte montagui</i>       | 21                     | 0.1746                    | 916                     |
| <i>Bathyarca glacialis</i>    | 12                     | 0.1446                    | 789                     |
| <i>Musculus niger</i>         | 2                      | 0.4495                    | 2489                    |
| <i>Nucula belloti</i>         | 2                      | 0.0006                    | 3                       |
| <i>Portlandia frigida</i>     | 5                      | 0.0008                    | 4                       |
| <i>Thyasira gouldi</i>        | 48                     | 0.0184                    | 97                      |
| NEMERTINA                     |                        |                           |                         |
| Nemerteans                    | 10                     | 0.0434                    | 231                     |
| SIPUNCULA                     |                        |                           |                         |
| <i>Golfingia margaritacea</i> | 9                      | 0.0109                    | 58                      |
| Total (41 spp.)               |                        | 1.6448                    | 9026                    |

Table 128. Benthic invertebrates collected by dredge from station 67-1105, 16 Aug 1967, not collected in quantitative grab samples.

| Species                          | Species                    |
|----------------------------------|----------------------------|
| ANNELIDA: Polychaeta             | MOLLUSCA: Pelecypoda       |
| <i>Antinoella badia</i>          | <i>Astarte borealis</i>    |
| <i>Leiochone borealis</i>        | <i>Astarte crenata</i>     |
| <i>Myriochele heeri</i>          | <i>Astarte montagui</i>    |
| <i>Nicomache lumbricalis</i>     | <i>Bathyarca glacialis</i> |
| <i>Pectinaria hyperborea</i>     | <i>Macoma moesta</i>       |
| <i>Phyllodoce groenlandica</i>   | <i>Musculus discors</i>    |
|                                  | <i>Musculus niger</i>      |
| ARTHROPODA: Cirripedia           | <i>Nuculana pernula</i>    |
| <i>Balanus crenatus</i>          | <i>Portlandia arctica</i>  |
|                                  | SIPUNCULA                  |
| ARTHROPODA: Cumacea              | <i>Phascolion strombi</i>  |
| <i>Diastylis oxyrhyncha</i>      |                            |
| <i>Diastylis scorpioides</i>     |                            |
| <i>Diastylis spinulosa</i>       |                            |
| ARTHROPODA: Decapoda             |                            |
| <i>Sabinea septemcarinata</i>    |                            |
| <i>Spirontocaris phippsi</i>     |                            |
| ARTHROPODA: Isopoda              |                            |
| <i>Gnathia elongata</i>          |                            |
| ARTHROPODA: Pycnogonida          |                            |
| <i>Boreonymphon abyssorum</i>    |                            |
| <i>Nymphon hirtipes</i>          |                            |
| <i>Nymphon sluiteri</i>          |                            |
| <i>Pseudopallene brevicollis</i> |                            |
| ECHINODERMATA: Holothuroidea     |                            |
| <i>Myriotrochus rinkii</i>       |                            |
| ECHINODERMATA: Ophiuroidea       |                            |
| <i>Ophiocten sericeum</i>        |                            |
| <i>Ophiopleura borealis</i>      |                            |
| ECTOPROCTA                       |                            |
| Bryozoans                        |                            |
| MOLLUSCA: Gastropoda             |                            |
| <i>Colus togatus</i>             |                            |
| <i>Cylichna alba</i>             |                            |
| <i>Lunatia pallida</i>           |                            |
| <i>Margarites costalis</i>       |                            |
| <i>Trichotropis borealis</i>     |                            |
| <i>Philine finmarchica</i>       |                            |

Table 129. Mollusc shells collected by hand from the beach at station WR-1, 16 Aug 1967.

| Species                       | Species                      |
|-------------------------------|------------------------------|
| MOLLUSCA: Gastropoda          | MOLLUSCA: Pelecypoda         |
| <i>Boreotrophon pacificus</i> | <i>Astarte borealis</i>      |
| <i>Buccinum scalariforme</i>  | <i>Clinocardium ciliatum</i> |
| <i>Lunatia pallida</i>        | <i>Hiatella arctica</i>      |
| <i>Velutina velutina</i>      | <i>Musculus niger</i>        |
|                               | <i>Mya truncata</i>          |
|                               | <i>Mytilus edulis</i>        |

Table 130. Benthic invertebrates collected by grab from station WR-2, 16 Aug 1967.

| Species                         | Species                    |
|---------------------------------|----------------------------|
| ANNELIDA: Polychaeta            | MOLLUSCA: Gastropoda       |
| <i>Aglaophamus neotenus</i>     | <i>Cylichna alba</i>       |
| <i>Ampharete acutifrons</i>     | <i>Oenopota bicarinata</i> |
| <i>Aricidea suecica</i>         | MOLLUSCA: Pelecypoda       |
| <i>Chaetozone setosa</i>        | <i>Montacuta dawsoni</i>   |
| <i>Chone infundibuliformis</i>  |                            |
| <i>Euchone analis</i>           |                            |
| <i>Euchone papillosa</i>        |                            |
| <i>Nephtys longosetosa</i>      |                            |
| <i>Nereimyra aphroditoides</i>  |                            |
| <i>Pectinaria granulata</i>     |                            |
| <i>Pholoe minuta</i>            |                            |
| <i>Praxillella praetermissa</i> |                            |
| <i>Scoloplos armiger</i>        |                            |
| ARTHROPODA: Cumacea             |                            |
| <i>Brachydiastylis resima</i>   |                            |
| <i>Diastylis rathkei</i>        |                            |
| <i>Lamprops fuscata</i>         |                            |
| ARTHROPODA: Ostracoda           |                            |
| <i>Cythereis</i> sp.            |                            |

Table 131. Benthic invertebrates collected by grab from station WR-3,  
16 Aug 1967.

| Species                         | Species                     |
|---------------------------------|-----------------------------|
| ANNELIDA: Polychaeta            | MOLLUSCA: Pelecypoda        |
| <i>Aglaophamus neotenus</i>     | <i>Astarte borealis</i>     |
| <i>Aricidea suecica</i>         | <i>Astarte montagui</i>     |
| <i>Chaetozone setosa</i>        | <i>Macoma moesta</i>        |
| <i>Diplocirrus longisetosus</i> | <i>Musculus niger</i>       |
| <i>Euchone papillosa</i>        | <i>Portlandia arctica</i>   |
| <i>Gattyana cirrosa</i>         | <i>Portlandia lenticula</i> |
| <i>Nephtys ciliata</i>          | <i>Thyasira gouldi</i>      |
| <i>Leiochone polaris</i>        |                             |
| <i>Lumbrineris minuta</i>       | PRIAPULIDA                  |
| <i>Lysippe labiata</i>          | <i>Priapulus caustus</i>    |
| <i>Paraonis gracilis</i>        |                             |
| <i>Pholoe minuta</i>            |                             |
| <i>Praxillella affinis</i>      |                             |
| <i>Rhodine loveni</i>           |                             |
| <i>Scalibregma inflatum</i>     |                             |
| <i>Tharyx acutus</i>            |                             |
| ARTHROPODA: Amphipoda           |                             |
| Amphipods                       |                             |
| ARTHROPODA: Cumacea             |                             |
| <i>Brachydiastylis resima</i>   |                             |
| <i>Diastylis oxyrhyncha</i>     |                             |
| <i>Diastylis rathkei</i>        |                             |
| <i>Diastylis scorpioides</i>    |                             |
| <i>Leptostylis longimana</i>    |                             |
| <i>Leucon nasicooides</i>       |                             |
| CHORDATA: Ascidiacea            |                             |
| <i>Pelonaia corrugata</i>       |                             |
| ECHINODERMATA: Ophiuroidea      |                             |
| <i>Ophiocten sericeum</i>       |                             |
| <i>Ophiura robusta</i>          |                             |
| MOLLUSCA: Gastropoda            |                             |
| <i>Alvania cruenta</i>          |                             |
| <i>Cylichna alba</i>            |                             |
| <i>Philine finmarchica</i>      |                             |
| <i>Retusa obtusa</i>            |                             |
| <i>Trichotropis borealis</i>    |                             |

Table 132. Benthic invertebrates collected by dredge from station 67-1108,  
18 Aug 1967.

| Species                         | Species                       |
|---------------------------------|-------------------------------|
| ANNELIDA: Polychaeta            | MOLLUSCA: Pelecypoda          |
| <i>Aglaophamus malmgreni</i>    | <i>Bathyarca glacialis</i>    |
| <i>Amphitrite groenlandica</i>  | <i>Nucula belloti</i>         |
| <i>Antinoella badia</i>         | <i>Portlandia fraterna</i>    |
| <i>Aricidea suecica</i>         | <i>Portlandia lenticula</i>   |
| <i>Chaetozone setosa</i>        | <i>Thyasira gouldi</i>        |
| <i>Chaetozone</i> sp.           |                               |
| <i>Euchone papillosa</i>        | NEMERTINA                     |
| <i>Flabelligera affinis</i>     | Nemerteans                    |
| <i>Laonice cirrata</i>          |                               |
| <i>Lumbrineris fragilis</i>     | SIPUNCULA                     |
| <i>Lumbrineris minuta</i>       | <i>Golfingia margaritacea</i> |
| <i>Lysippe labiata</i>          |                               |
| <i>Maldane sarsi</i>            |                               |
| <i>Myriochele heeri</i>         |                               |
| <i>Nephtys ciliata</i>          |                               |
| <i>Nephtys paradoxa</i>         |                               |
| <i>Phyllodoce groenlandica</i>  |                               |
| <i>Praxillella praetermissa</i> |                               |
| <i>Prionospio steenstrupi</i>   |                               |
| <i>Sabellides borealis</i>      |                               |
| <i>Scoloplos armiger</i>        |                               |
| <i>Spiochaetopterus typicus</i> |                               |
| <i>Tharyx acutus</i>            |                               |
| ARTHROPODA: Amphipoda           |                               |
| Amphipods                       |                               |
| ARTHROPODA: Cumacea             |                               |
| <i>Diastylis rathkei</i>        |                               |
| <i>Leucon nasica</i>            |                               |
| COELENTERATA: Anthozoa          |                               |
| Anthozoon                       |                               |
| ECHINODERMATA: Asteroidea       |                               |
| <i>Urasterias lincki</i>        |                               |
| ECHINODERMATA: Ophiuroidea      |                               |
| <i>Ophiecten sericeum</i>       |                               |
| MOLLUSCA: Aplacophora           |                               |
| Solenogasters                   |                               |
| MOLLUSCA: Gastropoda            |                               |
| <i>Cylichna alba</i>            |                               |
| <i>Philine finmarchica</i>      |                               |

Table 133. Benthic invertebrates collected by trawl from station 68-110,  
6 Aug 1968.

| Species                         | Species                       |
|---------------------------------|-------------------------------|
| ANNELIDA: Polychaeta            | ECHINODERMATA: Asteroidea     |
| <i>Aglaophamus malmgreni</i>    | <i>Ctenodiscus crispatus</i>  |
| <i>Antinoella badia</i>         | <i>Poraniomorpha tumida</i>   |
| <i>Antinoella sarsi</i>         | <i>Solaster papposus</i>      |
| <i>Brada villosa</i>            | <i>Urasterias lincki</i>      |
| <i>Branchiomma infarcta</i>     | ECHINODERMATA: Holothuroidea  |
| <i>Euchone papillosa</i>        | <i>Myriotrochus rinki</i>     |
| <i>Flabelligera affinis</i>     | ECHINODERMATA: Ophiuroidea    |
| <i>Harmothoe nodosa</i>         | <i>Ophiocten sericeum</i>     |
| <i>Harmothoe oerstedii</i>      | <i>Ophiopleura borealis</i>   |
| <i>Maldane sarsi</i>            | MOLLUSCA: Gastropoda          |
| <i>Nephtys paradoxa</i>         | <i>Buccinum hydrophanum</i>   |
| <i>Nereis zonata</i>            | <i>Colus togatus</i>          |
| <i>Onuphis conchylega</i>       | <i>Philine</i> sp.            |
| <i>Pista maculata</i>           | <i>Velutina</i> sp.           |
| <i>Spiochaetopterus typicus</i> |                               |
| ARTHROPODA: Amphipoda           | MOLLUSCA: Pelecypoda          |
| <i>Haploops laevis</i>          | <i>Bathyarca glacialis</i>    |
| <i>Stegocephalus inflatus</i>   | <i>Mytilus edulis</i>         |
| Amphipods                       |                               |
| ARTHROPODA: Cumacea             | NEMERTINA                     |
| <i>Diastylis goodsiri</i>       | Nemertean                     |
| <i>Diastylis spinulosa</i>      |                               |
| ARTHROPODA: Decapoda            | PLATYHELMINTHES               |
| <i>Argis dentata</i>            | Turbellarian                  |
| <i>Eualus gaimardi belcheri</i> |                               |
| <i>Sabinea septemcarinata</i>   | PORIFERA                      |
| <i>Spirontocaris spinus</i>     | <i>Tetilla</i> sp.            |
| ARTHROPODA: Pycnogonida         | SIPUNCULA                     |
| <i>Boreonymphon ossiansarsi</i> | <i>Golfingia margaritacea</i> |
| <i>Boreonymphon robustum</i>    |                               |
| <i>Nymphon hirtipes</i>         |                               |
| <i>Nymphon longitarse</i>       |                               |
| <i>Nymphon sluiteri</i>         |                               |
| <i>Pseudopalene brevicollis</i> |                               |
| CHORDATA: Ascidiacea            |                               |
| <i>Boltenia echinata</i>        |                               |
| COELENTERATA: Anthozoa          |                               |
| <i>Allantactis parasitica</i>   |                               |

Table 134. Benthic invertebrates collected by trawl from section 68-111,  
6 Aug 1968.

| Species                          | Species                      |
|----------------------------------|------------------------------|
| ARTHROPODA: Polychaeta           | ECHINODERMATA: Crinoidea     |
| <i>Aglaophamus malmgreni</i>     | <i>Heliometra glacialis</i>  |
| <i>Antinoella badia</i>          | ECHINODERMATA: Holothuroidea |
| <i>Branchiomma infarcta</i>      | <i>Myriotrochus rinki</i>    |
| <i>Euchone analis</i>            | ECHINODERMATA: Ophiuroidea   |
| <i>Euchone papillosa</i>         | <i>Ophiocten sericeum</i>    |
| <i>Harmothoe imbricata</i>       | <i>Ophiopleura borealis</i>  |
| <i>Harmothoe nodosa</i>          | MOLLUSCA: Gastropoda         |
| <i>Melaenis loveni</i>           | <i>Buccinum hydrophanum</i>  |
| <i>Myriochele heeri</i>          | <i>Colus togatus</i>         |
| <i>Nereis zonata</i>             | NEMERTINA                    |
| <i>Onuphis conchylega</i>        | Nemertean                    |
| <i>Pista maculata</i>            | PLATYHELMINTHES              |
| <i>Polycirrus medusa</i>         | Turbellarian                 |
| <i>Spiochaetopterus typicus</i>  | PORIFERA                     |
| ARTHROPODA: Amphipoda            | <i>Tetilla</i> sp.           |
| <i>Acanthostepheia malmgreni</i> |                              |
| <i>Ampelisca eschrichti</i>      |                              |
| <i>Haploops laevis</i>           |                              |
| <i>Stegocephalus inflatus</i>    |                              |
| ARTHROPODA: Cumacea              |                              |
| <i>Diastylis goodsiri</i>        |                              |
| <i>Diastylis spinulosa</i>       |                              |
| ARTHROPODA: Decapoda             |                              |
| <i>Argis dentata</i>             |                              |
| <i>Sabinea septemcarinata</i>    |                              |
| ARTHROPODA: Pycnogonida          |                              |
| <i>Boreonymphon robustum</i>     |                              |
| <i>Nymphon hirtipes</i>          |                              |
| <i>Nymphon longitarse</i>        |                              |
| <i>Nymphon sluiteri</i>          |                              |
| CHORDATA: Ascidiacea             |                              |
| <i>Ciona intestinalis</i>        |                              |
| COELENTERATA: Anthozoa           |                              |
| <i>Allantactis parasitica</i>    |                              |
| <i>Gersemia rubiformis</i>       |                              |
| ECHINODERMATA: Asteroidea        |                              |
| <i>Ctenodiscus crispatus</i>     |                              |
| <i>Poraniomorpha tumida</i>      |                              |
| <i>Solaster papposus</i>         |                              |
| <i>Urasterias lincki</i>         |                              |

Table 135. Density, ash-free dry weight (AFDW) and caloric value of benthic invertebrates collected by grab from station 69-1001, 6 Aug 1969.

| Species                         | No.<br>m <sup>-2</sup> | AFDW<br>g m <sup>-2</sup> | Cal.<br>m <sup>-2</sup> |
|---------------------------------|------------------------|---------------------------|-------------------------|
| ANNELIDA: Polychaeta            |                        |                           |                         |
| <i>Aglaophamus malmgreni</i>    | 15                     | 0.0583                    | 324                     |
| <i>Antinoella badia</i>         | 3                      | 0.0013                    | 7                       |
| <i>Aricidea suecica</i>         | 23                     | 0.0077                    | 42                      |
| <i>Chaetozone setosa</i>        | 23                     | 0.0057                    | 31                      |
| <i>Chaetozone</i> sp.           | 54                     | 0.0116                    | 64                      |
| <i>Eteone longa</i>             | 3                      | 0.0026                    | 14                      |
| <i>Euchone papillosa</i>        | 3                      | 0.0009                    | 5                       |
| <i>Laonice cirrata</i>          | 18                     | 0.8580                    | 4771                    |
| <i>Lumbrineris minuta</i>       | 82                     | 0.0796                    | 453                     |
| <i>Lysippe labiata</i>          | 10                     | 0.0064                    | 35                      |
| <i>Maldane sarsi</i>            | 292                    | 0.2017                    | 1121                    |
| <i>Myriochele heeri</i>         | 15                     | 0.0300                    | 166                     |
| <i>Notomastus latericeus</i>    | 3                      | 0.0221                    | 122                     |
| <i>Pherusa plumosa</i>          | 3                      | 0.0006                    | 3                       |
| <i>Phyllodoce groenlandica</i>  | 3                      | 0.0710                    | 397                     |
| <i>Praxillella praetermissa</i> | 15                     | 0.0184                    | 100                     |
| <i>Prionospio steenstrupi</i>   | 10                     | 0.0046                    | 25                      |
| <i>Scalibregma inflatum</i>     | 3                      | 0.0003                    | 1                       |
| <i>Scoloplos armiger</i>        | 8                      | 0.0057                    | 31                      |
| <i>Tharyx acutus</i>            | 23                     | 0.0057                    | 31                      |
| ARTHROPODA: Amphipoda           |                        |                           |                         |
| Amphipods                       | -                      | 0.0185                    | 106                     |
| ARTHROPODA: Cumacea             |                        |                           |                         |
| <i>Diastylis oxyrhyncha</i>     | 5                      | 0.0032                    | 18                      |
| <i>Eudorella emarginata</i>     | 8                      | 0.0021                    | 11                      |
| ARTHROPODA: Ostracoda           |                        |                           |                         |
| <i>Philomedes globosus</i>      | 3                      | 0.0010                    | 5                       |
| COELENTERATA: Anthozoa          |                        |                           |                         |
| <i>Edwardsia</i> sp.            | 3                      | 0.1438                    | 741                     |
| ECHINODERMATA: Ophiuroidea      |                        |                           |                         |
| <i>Ophiocten sericeum</i>       | 5                      | 0.0226                    | 133                     |
| <i>Ophiura robusta</i>          | 3                      | 0.0005                    | 2                       |
| MOLLUSCA: Gastropoda            |                        |                           |                         |
| <i>Cylichna occulta</i>         | 8                      | 0.0596                    | 330                     |



Table 135. Continued.

| Species                    | No.<br>m <sup>-2</sup> | AFDW<br>g m <sup>-2</sup> | Cal.<br>m <sup>-2</sup> |
|----------------------------|------------------------|---------------------------|-------------------------|
| MOLLUSCA: Pelecypoda       |                        |                           |                         |
| <i>Bathyarca glacialis</i> | 3                      | 0.0435                    | 237                     |
| <i>Nucula belotti</i>      | 5                      | 0.0417                    | 245                     |
| <i>Thyasira gouldi</i>     | 21                     | 0.0107                    | 56                      |
| NEMERTINA                  |                        |                           |                         |
| Nemerteans                 | 18                     | 0.1070                    | 569                     |
| SIPUNCULA                  |                        |                           |                         |
| <i>Phascolion strombi</i>  | 15                     | 0.0229                    | 122                     |
| Total (33 spp.)            |                        | 1.8693                    | 10,318                  |

Table 136. Number of individuals ( $m^{-2}$ ) of benthic invertebrates collected by grab from station 68-118 a-d, 20 Aug 1968.

| Species                             | a<br>5m | b<br>15m | c<br>26m | d<br>34m |
|-------------------------------------|---------|----------|----------|----------|
| ANNELIDA: Oligochaeta               |         |          |          |          |
| Enchytraeid                         | 723     |          |          |          |
| ANNELIDA: Polychaeta                |         |          |          |          |
| <i>Aglaothamus malmgreni</i>        |         |          |          | 22       |
| <i>Ammotrypane cylindricaudatus</i> |         |          |          | 28       |
| <i>Antinoella badia</i>             |         |          |          | 3        |
| <i>Antinoella sarsi</i>             |         | 3        |          | 18       |
| <i>Apistobranchnus tullbergi</i>    |         | 9        | 18       | 6        |
| <i>Aricidea jeffreysi</i>           |         | 215      | 49       | 9        |
| <i>Aricidea suecica</i>             |         | 22       | 3        | 80       |
| <i>Brada villosa</i>                |         | 3        | 46       | 28       |
| <i>Capitella capitata</i>           | 114     | 31       |          |          |
| <i>Chaetozone setosa</i>            | 22      |          | 65       | 237      |
| <i>Chaetozone</i> sp.               |         | 9        | 68       |          |
| <i>Chone</i> sp.                    | 6       |          |          | 3        |
| <i>Cirratulus cirratus</i>          |         | 22       |          |          |
| <i>Cossura longocirrata</i>         |         |          | 92       | 320      |
| <i>Diplocirrus hirsutus</i>         |         | 3        | 28       | 25       |
| <i>Ephesiella minuta</i>            |         | 3        | 15       | 18       |
| <i>Eteone longa</i>                 | 25      | 9        | 3        | 12       |
| <i>Euchone papillosa</i>            | 6       |          | 34       | 68       |
| <i>Exogone naidina</i>              | 3       | 12       | 108      | 95       |
| <i>Exogone verugera</i>             |         | 46       |          |          |
| <i>Gattyana cirrosa</i>             |         | 9        | 18       | 3        |
| <i>Harmothoe extenuata</i>          | 9       |          |          |          |
| <i>Heteromastus</i> sp.             | 6       | 111      |          | 58       |
| <i>Leiochone polaris</i>            |         | 74       | 49       | 92       |
| <i>Lumbrineris minuta</i>           |         |          | 9        | 58       |
| <i>Lumbrineris tenuis</i>           |         |          | 126      | 25       |
| <i>Lysippe labiata</i>              |         | 22       | 37       | 22       |
| <i>Maldane sarsi</i>                |         |          | 12       | 65       |
| <i>Melinna cristata</i>             |         |          | 6        | 6        |
| <i>Micronephthys minuta</i>         | 3       | 6        | 18       | 12       |
| <i>Myriochele heeri</i>             |         |          | 3        | 40       |
| <i>Nephtys ciliata</i>              | 62      | 6        | 18       | 18       |
| <i>Nephtys longosetosa</i>          | 12      | 6        |          |          |
| <i>Nereimyra aphroditoides</i>      | 77      | 289      | 6        | 9        |
| <i>Notomastus latericeus</i>        |         |          | 9        | 6        |
| <i>Owenia fusiformis</i>            |         |          | 98       |          |
| <i>Paraonis gracilis</i>            |         | 58       | 34       | 92       |
| <i>Pectinaria hyperborea</i>        |         | 6        | 3        | 18       |
| <i>Pholoe minuta</i>                | 31      | 1588     | 529      | 563      |
| <i>Phyllodoce groenlandica</i>      | 34      | 18       | 6        | 6        |
| <i>Polydora caeca</i>               | 12      | 3        | 6        | 9        |

Table 136. Continued.

| Species                         | a<br>5m | b<br>15m | c<br>26m | d<br>34m |
|---------------------------------|---------|----------|----------|----------|
| ANNELIDA: Polychaeta            |         |          |          |          |
| <i>Polydora quadrilobata</i>    |         |          | 3        |          |
| <i>Praxillella praetermissa</i> |         | 9        | 15       | 18       |
| <i>Prionospio cirrifera</i>     | 25      |          | 18       | 6        |
| <i>Prionospio steenstrupi</i>   | 9       |          |          | 18       |
| <i>Pygospio elegans</i>         | 320     | 794      | 492      | 388      |
| <i>Scalibregma inflatum</i>     |         | 6        | 12       | 9        |
| <i>Scoloplos armiger</i>        | 6       | 329      | 142      | 148      |
| <i>Sphaerodorum gracile</i>     |         |          | 9        | 22       |
| <i>Terebellides stroemi</i>     | 148     | 3        | 25       | 18       |
| <i>Tharyx acutus</i>            |         | 28       | 868      | 622      |
| <i>Travisia forbesi</i>         | 6       |          |          |          |
| <i>Trichobranchus glacialis</i> |         | 6        |          |          |
| ARTHROPODA: Acarina             |         |          |          |          |
| Mites                           |         | 135      | 12       |          |
| ARTHROPODA: Amphipoda           |         |          |          |          |
| Amphipods                       | -       | -        | -        | -        |
| ARTHROPODA: Cirripedia          |         |          |          |          |
| <i>Balanus balanus</i>          |         |          | 3        |          |
| ARTHROPODA: Copepoda            |         |          |          |          |
| Copepods                        |         | -        | -        | -        |
| ARTHROPODA: Cumacea             |         |          |          |          |
| <i>Brachydiastylis resima</i>   |         | 31       | 18       | 71       |
| <i>Diastylis goodsiri</i>       |         |          | 3        | 28       |
| <i>Diastylis oxyrhyncha</i>     |         | 31       |          |          |
| <i>Diastylis rathkei</i>        |         | 3        | 6        | 9        |
| <i>Diastylis scorpioides</i>    |         | 15       | 151      | 22       |
| <i>Eudorella emarginata</i>     |         |          |          | 34       |
| <i>Eudorella truncatula</i>     |         |          | 33       |          |
| <i>Lamprops fuscata</i>         |         | 40       |          |          |
| <i>Leptostylis longimana</i>    |         |          |          | 3        |
| <i>Leucon nasicooides</i>       |         |          | 18       | 3        |
| <i>Leucon pallidus</i>          |         |          | 12       | 22       |
| ARTHROPODA: Isopoda             |         |          |          |          |
| <i>Eugerda globiceps</i>        |         |          | 3        |          |
| <i>Gnathia elongata</i>         |         |          | 3        | 3        |

Table 136. Continued.

| Species                                  | a<br>5m | b<br>15m | c<br>26m | d<br>34m |
|--|---------|----------|----------|----------|
| ARTHROPODA: Ostracoda                    |         |          |          |          |
| <i>Cythereis dunelmensis</i>             |         |          | 65       | 12       |
| <i>Cythereis tuberculata</i>             |         |          | 12       | 34       |
| <i>Cythereis</i> sp.                     | 98      |          |          |          |
| <i>Cytheridea papillosa</i>              |         | 218      | 12       |          |
| <i>Cytheridea punctillata</i>            |         | 6        |          |          |
| <i>Cytheromorpha?</i> sp.                |         |          | 3        | 28       |
| <i>Hemicythere</i> sp.                   |         | 9        |          |          |
| <i>Philomedes globosus</i>               |         |          | 975      | 452      |
| ARTHROPODA: Tanaidacea                   |         |          |          |          |
| <i>Leptognathia</i> sp.                  | 3       |          |          | 3        |
| <i>Leptognathia</i> sp.                  |         |          |          | 15       |
| <i>Pseudotanais lilljeborgi</i>          |         |          |          | 9        |
| ASCHELMINTHES: Nematoda                  |         |          |          |          |
| Nematodes                                | -       | -        | -        | -        |
| CHORDATA: Ascidiacea                     |         |          |          |          |
| <i>Rhizomolgula globularis</i>           | 9       |          | 3        | 15       |
| COELENTERATA: Anthozoa                   |         |          |          |          |
| <i>Edwardsia</i> sp.                     |         |          | 12       |          |
| ECHINODERMATA: Asteroidea                |         |          |          |          |
| <i>Urasterias linki</i>                  |         |          | 3        |          |
| ECHINODERMATA: Crinoidea                 |         |          |          |          |
| <i>Heliometra glacialis</i>              | 3       |          |          |          |
| ECHINODERMATA: Echinoidea                |         |          |          |          |
| <i>Strongylocentrotus droebachiensis</i> |         |          | 6        |          |
| ECHINODERMATA: Holothuroidea             |         |          |          |          |
| <i>Myriotrochus rinki</i>                |         | 31       | 9        | 6        |
| <i>Thyonidium</i> sp.                    |         | 3        |          |          |
| Holothuroid                              |         |          | 3        |          |
| ECHINODERMATA: Ophiuroidea               |         |          |          |          |
| <i>Ophiocten sericeum</i>                |         | 46       | 108      | 123      |
| MOLLUSCA: Aplacophora                    |         |          |          |          |
| Solenogasters                            |         |          |          | 6        |

Table 136. Continued.

| Species                       | a<br>5m | b<br>15m | c<br>26m | d<br>34m |
|-------------------------------|---------|----------|----------|----------|
| MOLLUSCA: Gastropoda          |         |          |          |          |
| <i>Alvania cruenta</i>        |         | 6        | 21       | 12       |
| <i>Colus togatus</i>          |         |          | 3        |          |
| <i>Cylichna occulta</i>       | 31      | 37       | 3        |          |
| <i>Lepeta caeca</i>           |         |          | 15       |          |
| <i>Natica clausa</i>          |         | 28       |          |          |
| <i>Philine finmarchica</i>    | 6       | 9        |          |          |
| <i>Philine lima</i>           |         | 22       | 3        | 3        |
| <i>Retusa obtusa</i>          |         | 43       |          | 65       |
| <i>Trichotropis borealis</i>  |         | 3        | 6        | 15       |
| MOLLUSCA: Pelecypoda          |         |          |          |          |
| <i>Astarte borealis</i>       |         | 212      | 28       | 12       |
| <i>Astarte montagui</i>       | 15      | 554      | 92       | 37       |
| <i>Clinocardium ciliatum</i>  |         |          | 3        | 3        |
| <i>Hiatella arctica</i>       |         |          | 6        |          |
| <i>Macoma calcarea</i>        |         |          | 3        |          |
| <i>Macoma moesta</i>          |         | 163      | 6        | 3        |
| <i>Montacuta dawsoni</i>      | 2508    |          |          |          |
| <i>Musculus niger</i>         |         | 6        |          |          |
| <i>Nucula belloti</i>         |         | 6        | 6        | 22       |
| <i>Nuculana minuta</i>        |         | 95       | 9        |          |
| <i>Nuculana pernula</i>       |         |          |          | 22       |
| <i>Portlandia arctica</i>     |         | 160      | 37       | 22       |
| <i>Portlandia fraterna</i>    |         |          |          | 3        |
| <i>Portlandia frigida</i>     |         |          |          | 3        |
| <i>Portlandia lenticula</i>   |         |          |          | 55       |
| <i>Thyasira gouldi</i>        |         | 105      |          | 43       |
| NEMERTINA                     |         |          |          |          |
| Nemerteans                    | 62      | 126      | 98       | 206      |
| PRIAPULIDA                    |         |          |          |          |
| <i>Priapulus caudatus</i>     |         | 6        | 3        |          |
| SIPUNCULA                     |         |          |          |          |
| <i>Golfingia margaritacea</i> |         |          |          | 3        |
| <i>Phascolion strombi</i>     |         |          |          | 31       |
| No. of species (122 total)    | 33      | 65       | 82       | 84       |

Table 137. Ash-free dry weight ( $\text{g m}^{-2}$ ) of benthic invertebrates collected by grab from station 68-118 a-d, 20 Aug 1968.

| Species                             | a<br>5m | b<br>15m | c<br>26m | d<br>34m |
|-------------------------------------|---------|----------|----------|----------|
| ANNELIDA: Oligochaeta               |         |          |          |          |
| Enchytraeid                         | 0.0090  |          |          |          |
| ANNELIDA: Polychaeta                |         |          |          |          |
| <i>Aglaophamus malmgreni</i>        |         |          |          | 0.3146   |
| <i>Ammotrypane cylindricaudatus</i> |         |          |          | 0.0011   |
| <i>Antinoella badia</i>             |         |          |          | 0.0075   |
| <i>Antinoella sarsi</i>             |         | 0.0004   |          | 0.0035   |
| <i>Apistobranthus tullbergi</i>     |         | 0.0004   | 0.0013   | 0.0007   |
| <i>Aricidea jeffreysi</i>           |         | 0.0095   | 0.0020   | 0.0004   |
| <i>Aricidea suecica</i>             |         | 0.0009   | 0.0007   | 0.0135   |
| <i>Brada villosa</i>                |         | 0.0507   | 0.0655   | 0.0113   |
| <i>Capitella capitata</i>           | 0.0181  | 0.0026   |          |          |
| <i>Chaetozone setosa</i>            | 0.0031  |          | 0.0313   | 0.0609   |
| <i>Chaetozone sp.</i>               |         | 0.0015   | 0.0104   |          |
| <i>Chone sp.</i>                    | 0.0022  |          |          | 0.0002   |
| <i>Cirratulus cirratus</i>          |         | 0.0130   |          |          |
| <i>Cossura longocirrata</i>         |         |          | 0.0031   | 0.0077   |
| <i>Diplocirrus hirsutus</i>         |         | 0.0038   | 0.0110   | 0.0104   |
| <i>Ephesiella minuta</i>            |         | 0.0001   | 0.0007   | 0.0022   |
| <i>Eteone longa</i>                 | 0.0042  | 0.0033   | 0.0002   | 0.0035   |
| <i>Euchone papillosa</i>            | 0.0029  |          | 0.0035   | 0.0106   |
| <i>Exogone naidina</i>              | 0.0001  | 0.0002   | 0.0018   | 0.0013   |
| <i>Exogone verugera</i>             |         | 0.0013   |          |          |
| <i>Gattyana cirrosa</i>             |         | 0.0066   | 0.0971   | 0.0084   |
| <i>Harmothoe extenuata</i>          | 0.0015  |          |          |          |
| <i>Heteromastus sp.</i>             | 0.0018  | 0.0128   |          | 0.0077   |
| <i>Leiochone polaris</i>            |         | 0.0207   | 0.0185   | 0.0157   |
| <i>Lumbrineris minuta</i>           |         |          | 0.0062   | 0.0335   |
| <i>Lumbrineris tenuis</i>           |         |          | 0.0165   | 0.0071   |
| <i>Lysippe labiata</i>              |         | 0.0190   | 0.0046   | 0.0031   |
| <i>Maldane sarsi</i>                |         |          | 0.0199   | 0.3859   |
| <i>Melinna cristata</i>             |         |          | 0.0038   | 0.0082   |
| <i>Micronephthys minuta</i>         | 0.0002  | 0.0009   | 0.0015   | 0.0029   |
| <i>Myriochele heeri</i>             |         |          | 0.0004   | 0.0170   |
| <i>Nephtys ciliata</i>              | 0.3636  | 0.0985   | 0.2059   | 1.6724   |
| <i>Nephtys longosetosa</i>          | 0.0018  | 0.0165   |          |          |
| <i>Nereimyra aphroditoides</i>      | 0.0121  | 0.0532   | 0.0007   | 0.0004   |
| <i>Notomastus latericeus</i>        |         |          | 0.0042   | 0.0020   |
| <i>Owenia fusiformis</i>            |         |          | 0.0746   |          |
| <i>Paraonis gracilis</i>            |         | 0.0024   | 0.0020   | 0.0075   |
| <i>Pectinaria hyperborea</i>        |         | 0.0093   | 0.0004   | 0.0609   |
| <i>Pholoe minuta</i>                | 0.0079  | 0.1291   | 0.0600   | 0.0318   |
| <i>Phyllodoce groenlandica</i>      | 0.0263  | 0.0082   | 0.0015   | 0.0082   |
| <i>Polydora caeca</i>               | 0.0004  | 0.0002   | 0.0009   | 0.0009   |

Table 137. Continued.

| Species                         | a<br>5m | b<br>15m | c<br>26m | d<br>34m |
|---------------------------------|---------|----------|----------|----------|
| ANNELIDA: Polychaeta            |         |          |          |          |
| <i>Polydora quadrilobata</i>    |         |          | 0.0004   |          |
| <i>Praxillella praetermissa</i> |         | 0.0049   | 0.0821   | 0.0164   |
| <i>Prionospio cirrifera</i>     | 0.0040  |          | 0.0007   | 0.0004   |
| <i>Prionospio steenstrupi</i>   | 0.0020  |          |          | 0.0020   |
| <i>Pygospio elegans</i>         | 0.0093  | 0.0276   | 0.0165   | 0.0124   |
| <i>Scalibregma inflatum</i>     |         | 0.0011   | 0.0009   | 0.0016   |
| <i>Scoloplos armiger</i>        | 0.0271  | 0.4236   | 0.0721   | 0.0256   |
| <i>Sphaerodorium gracile</i>    |         |          | 0.0062   | 0.0055   |
| <i>Terebellides stroemi</i>     | 0.0161  | 0.0196   | 0.5414   | 0.0324   |
| <i>Tharyx acutus</i>            |         | 0.0040   | 0.1862   | 0.1171   |
| <i>Travisia forbesi</i>         | 0.8251  |          |          |          |
| <i>Trichobranchus glacialis</i> |         | 0.0770   |          |          |
| ARTHROPODA: Acarina             |         |          |          |          |
| Mites                           |         | 0.0036   | 0.0002   |          |
| ARTHROPODA: Amphipoda           |         |          |          |          |
| Amphipods                       | 0.0871  | 0.0119   | 0.0511   | 0.0067   |
| ARTHROPODA: Cirripedia          |         |          |          |          |
| <i>Balanus balanus</i>          |         |          | 0.4690   |          |
| ARTHROPODA: Copepoda            |         |          |          |          |
| Copepods                        |         | 0.0002   | 0.0008   | 0.0008   |
| ARTHROPODA: Cumacea             |         |          |          |          |
| <i>Brachydiastylis resima</i>   |         | 0.0040   | 0.0021   | 0.0023   |
| <i>Diastylis goodsiri</i>       |         |          | 0.0004   | 0.0268   |
| <i>Diastylis oxyrhyncha</i>     |         | 0.0050   |          |          |
| <i>Diastylis rathkei</i>        |         | 0.0188   | 0.0140   | 0.0182   |
| <i>Diastylis scorpioides</i>    |         | 0.0115   | 0.0161   | 0.0249   |
| <i>Eudorella emarginata</i>     |         |          |          | 0.0036   |
| <i>Eudorella truncatula</i>     |         |          | 0.0015   |          |
| <i>Lamprops fuscata</i>         |         | 0.0033   |          |          |
| <i>Leptostylis longimana</i>    |         |          |          | 0.0008   |
| <i>Leucon nasicoides</i>        |         |          | 0.0017   | 0.0002   |
| <i>Leucon pallidus</i>          |         |          | 0.0006   | 0.0010   |
| ARTHROPODA: Isopoda             |         |          |          |          |
| <i>Eugerda globiceps</i>        |         |          | 0.0002   |          |
| <i>Gnathia elongata</i>         |         |          | 0.0015   | 0.0002   |

Table 137. Continued.

| Species                                  | a<br>5m | b<br>15m | c<br>26m | d<br>34m |
|--|---------|----------|----------|----------|
| ARTHROPODA: Ostracoda                    |         |          |          |          |
| <i>Cythereis dunelmensis</i>             |         |          | 0.0019   | 0.0002   |
| <i>Cythereis tuberculata</i>             |         |          | 0.0004   | 0.0006   |
| <i>Cytheris</i> sp.                      | 0.0031  |          |          |          |
| <i>Cytheridea papillosa</i>              |         | 0.0027   | 0.0004   |          |
| <i>Cytheridea punctillata</i>            |         | 0.0002   |          |          |
| <i>Cytheromorpha?</i> sp.                |         |          | 0.0001   | 0.0006   |
| <i>Hemicythere</i> sp.                   |         | 0.0004   |          |          |
| <i>Philomedes globosus</i>               |         |          | 0.0779   | 0.0413   |
| ARTHROPODA: Tanaidacea                   |         |          |          |          |
| <i>Leptognathia</i> sp.                  | 0.0004  |          |          | 0.0002   |
| <i>Leptognathia</i> sp.                  |         |          |          | 0.0010   |
| <i>Pseudotanais lilljeborgi</i>          |         |          |          | 0.0002   |
| ASCHELMINTHES: Nematoda                  |         |          |          |          |
| Nematodes                                | 0.0399  | 0.0390   | 0.0234   | 0.0088   |
| CHORDATA: Ascidiacea                     |         |          |          |          |
| <i>Rhizomolgula globularis</i>           | 0.0188  |          | 0.0009   | 0.0029   |
| COELENTERATA: Anthozoa                   |         |          |          |          |
| <i>Edwardsia</i> sp.                     |         |          | 0.0353   |          |
| ECHINODERMATA: Asteroidea                |         |          |          |          |
| <i>Urasterias linki</i>                  |         |          | 0.1300   |          |
| ECHINODERMATA: Crinoidea                 |         |          |          |          |
| <i>Helioметра glacialis</i>              | 0.0283  |          |          |          |
| ECHINODERMATA: Echinoidea                |         |          |          |          |
| <i>Strongylocentrotus droebachiensis</i> |         |          | 0.2814   |          |
| ECHINODERMATA: Holothuroidea             |         |          |          |          |
| <i>Myriotrochus rinki</i>                |         | 0.2476   | 0.0716   | 0.2475   |
| <i>Thyonidium</i> sp.                    |         | 0.3351   |          |          |
| Holothuroid                              |         |          | 0.0016   |          |
| ECHINODERMATA: Ophiuroidea               |         |          |          |          |
| <i>Ophiocten sericeum</i>                |         | 0.1089   | 0.1319   | 0.0263   |
| MOLLUSCA: Aplacophora                    |         |          |          |          |
| Solenogasters                            |         |          |          | 0.0037   |



Table 137. Continued.

| Species                       | a<br>5m | b<br>15m | c<br>26m | d<br>34m |
|-------------------------------|---------|----------|----------|----------|
| MOLLUSCA: Gastropoda          |         |          |          |          |
| <i>Alvania cruenta</i>        |         | 0.0010   | 0.0027   | 0.0007   |
| <i>Colus togatus</i>          |         |          | 1.9841   |          |
| <i>Cylichna occulta</i>       | 0.0100  | 0.0111   | 0.0005   |          |
| <i>Lepeta caeca</i>           |         |          | 0.1820   |          |
| <i>Natica clausa</i>          |         | 0.0110   |          |          |
| <i>Philine finmarchica</i>    | 0.0105  | 0.0042   |          |          |
| <i>Philine lima</i>           |         | 0.0047   | 0.0174   | 0.0082   |
| <i>Retusa obtusa</i>          |         | 0.0047   |          | 0.0057   |
| <i>Trichotropis borealis</i>  |         | 0.0518   | 0.0316   | 0.0184   |
| MOLLUSCA: Pelecypoda          |         |          |          |          |
| <i>Astarte borealis</i>       |         | 4.1568   | 2.4067   | 1.3397   |
| <i>Astarte montagui</i>       | 0.0034  | 0.4737   | 1.2029   | 0.3002   |
| <i>Clinocardium ciliatum</i>  |         |          | 0.6081   | 3.0425   |
| <i>Hiatella arctica</i>       |         |          | 1.1500   |          |
| <i>Macoma calcarea</i>        |         |          | 0.8169   |          |
| <i>Macoma moesta</i>          |         | 0.7026   | 0.1293   | 0.0234   |
| <i>Montacuta dawsoni</i>      | 0.1646  |          |          |          |
| <i>Musculus niger</i>         |         | 0.0023   |          |          |
| <i>Nucula belloti</i>         |         | 0.0010   | 0.0685   | 0.2644   |
| <i>Nuculana minuta</i>        |         | 0.0237   | 0.0180   |          |
| <i>Nuculana pernula</i>       |         |          |          | 0.2127   |
| <i>Portlandia arctica</i>     |         | 0.6153   | 2.4129   | 1.2626   |
| <i>Portlandia fraterna</i>    |         |          |          | 0.0020   |
| <i>Portlandia frigida</i>     |         |          |          | 0.0048   |
| <i>Portlandia lenticula</i>   |         |          |          | 0.0454   |
| <i>Thyasira gouldi</i>        |         | 0.1616   |          | 0.0114   |
| NEMERTINA                     |         |          |          |          |
| Nemerteans                    | 0.1395  | 0.0463   | 0.0244   | 0.0451   |
| PRIAPULIDA                    |         |          |          |          |
| <i>Priapulus caudatus</i>     |         | 0.0007   | 0.0020   |          |
| SIPUNCULA                     |         |          |          |          |
| <i>Golfingia margaritacea</i> |         |          |          | 0.0062   |
| <i>Phascolion strombi</i>     |         |          |          | 0.2648   |
| Total                         | 1.8323  | 8.0876   | 13.9308  | 10.2124  |

Table 138. Caloric value (cal m<sup>-2</sup>) of benthic invertebrates collected by grab from station 68-118 a-d, 20 Aug 1968.

| Species                             | a<br>5m | b<br>15m | c<br>26m | d<br>34m |
|-------------------------------------|---------|----------|----------|----------|
| ANNELIDA: Oligochaeta               |         |          |          |          |
| Enchytraeid                         | 50      |          |          |          |
| ANNELIDA: Polychaeta                |         |          |          |          |
| <i>Aglaophamus malmgreni</i>        |         |          |          | 1749     |
| <i>Ammotrypane cylindricaudatus</i> |         |          |          | 6        |
| <i>Antinoella badia</i>             |         |          |          | 41       |
| <i>Antinoella sarsi</i>             |         | 2        |          | 19       |
| <i>Apistobranchnus tullbergi</i>    |         | 2        | 7        | 3        |
| <i>Aricidea jeffreysi</i>           |         | 52       | 11       | 2        |
| <i>Aricidea suecica</i>             |         | 4        | 3        | 74       |
| <i>Brada villosa</i>                |         | 282      | 364      | 62       |
| <i>Capitella capitata</i>           | 100     | 14       |          |          |
| <i>Chaetozone setosa</i>            | 17      |          | 174      | 338      |
| <i>Chaetozone</i> sp.               |         | 8        | 57       |          |
| <i>Chone</i> sp.                    | 12      |          |          | 1        |
| <i>Cirratulus cirratus</i>          |         | 72       |          |          |
| <i>Cossura longocirrata</i>         |         |          | 17       | 42       |
| <i>Diplocirrus hirsutus</i>         |         | 20       | 61       | 57       |
| <i>Ephesiella minuta</i>            |         | 1        | 3        | 12       |
| <i>Eteone longa</i>                 | 23      | 18       | 1        | 19       |
| <i>Euchone papillosa</i>            | 16      |          | 19       | 58       |
| <i>Exogone naidina</i>              | 1       | 1        | 9        | 7        |
| <i>Exogone verugera</i>             |         | 7        |          |          |
| <i>Gattyana cirrosa</i>             |         | 36       | 539      | 46       |
| <i>Harmothoe extenuata</i>          | 8       |          |          |          |
| <i>Heteromastus</i> sp.             | 10      | 71       |          | 42       |
| <i>Leiochone polaris</i>            |         | 115      | 103      | 87       |
| <i>Lumbrineris minuta</i>           |         |          | 34       | 186      |
| <i>Lumbrineris tenuis</i>           |         |          | 92       | 39       |
| <i>Lysippe labiata</i>              |         | 105      | 25       | 17       |
| <i>Maldane sarsi</i>                |         |          | 110      | 2145     |
| <i>Melinna cristata</i>             |         |          | 20       | 45       |
| <i>Micronephthys minuta</i>         | 1       | 4        | 8        | 15       |
| <i>Myriochele heeri</i>             |         |          | 2        | 94       |
| <i>Nephtys ciliata</i>              | 1986    | 537      | 1124     | 9134     |
| <i>Nephtys longosetosa</i>          | 9       | 92       |          |          |
| <i>Nereimyra aphroditoides</i>      | 67      | 295      | 3        | 2        |
| <i>Notomastus latericeus</i>        |         |          | 23       | 11       |
| <i>Owenia fusiformis</i>            |         |          | 414      |          |
| <i>Paraonis gracilis</i>            |         | 13       | 11       | 41       |
| <i>Pectinaria hyperborea</i>        |         | 51       | 2        | 338      |
| <i>Pholoe minuta</i>                | 44      | 717      | 333      | 176      |
| <i>Phyllodoce groenlandica</i>      | 146     | 45       | 8        | 45       |
| <i>Polydora caeca</i>               | 2       | 1        | 4        | 4        |
| <i>Polydora quadrilobata</i>        |         |          | 2        |          |
| <i>Praxillella praetermissa</i>     |         | 27       | 449      | 89       |

Table 138. Continued.

| Species                         | a<br>5m | b<br>15m | c<br>26m | d<br>34m |
|---------------------------------|---------|----------|----------|----------|
| ANNELIDA: Polychaeta            |         |          |          |          |
| <i>Prionospio cirrifera</i>     | 22      |          | 3        | 2        |
| <i>Prionospio steenstrupi</i>   | 11      |          |          | 11       |
| <i>Pygospio elegans</i>         | 51      | 153      | 92       | 68       |
| <i>Scalibregma inflatum</i>     |         | 5        | 4        | 8        |
| <i>Scoloplos armiger</i>        | 150     | 2355     | 401      | 142      |
| <i>Sphaerodorum gracile</i>     |         |          | 34       | 30       |
| <i>Terebellides stroemi</i>     | 89      | 109      | 3010     | 180      |
| <i>Tharyx acutus</i>            |         | 22       | 1035     | 651      |
| <i>Travisia forbesi</i>         | 4588    |          |          |          |
| <i>Trichobranchus glacialis</i> |         | 42       |          |          |
| ARTHROPODA: Acarina             |         |          |          |          |
| Mites                           |         | 20       | 1        |          |
| ARTHROPODA: Amphipoda           |         |          |          |          |
| Amphipods                       | 501     | 68       | 294      | 38       |
| ARTHROPODA: Cirripedia          |         |          |          |          |
| <i>Balanus balanus</i>          |         |          | 2496     |          |
| ARTHROPODA: Copepoda            |         |          |          |          |
| Copepods                        |         | 1        | 4        | 4        |
| ARTHROPODA: Cumacea             |         |          |          |          |
| <i>Brachydiastylis resima</i>   |         | 23       | 12       | 13       |
| <i>Diastylis goodsiri</i>       |         |          | 2        | 154      |
| <i>Diastylis oxyrhyncha</i>     |         | 28       |          |          |
| <i>Diastylis rathkei</i>        |         | 108      | 80       | 104      |
| <i>Diastylis scorpioides</i>    |         | 66       | 92       | 143      |
| <i>Eudorella emarginata</i>     |         |          |          | 20       |
| <i>Eudorella truncatula</i>     |         |          | 8        |          |
| <i>Lamprops fuscata</i>         | 18      |          |          |          |
| <i>Leptostylis longimana</i>    |         |          |          | 4        |
| <i>Leucon nasicooides</i>       |         |          | 9        | 1        |
| <i>Leucon pallidus</i>          |         |          | 3        | 5        |
| ARTHROPODA: Isopoda             |         |          |          |          |
| <i>Eugerda globiceps</i>        |         |          | 1        |          |
| <i>Gnathia elongata</i>         |         |          | 8        | 1        |

Table 138. Continued.

| Species                                  | a<br>5m | b<br>15m | c<br>26m | d<br>34m |
|--|---------|----------|----------|----------|
| ARTHROPODA: Ostracoda                    |         |          |          |          |
| <i>Cythereis dunelmensis</i>             |         |          | 11       | 1        |
| <i>Cythereis tuberculata</i>             |         |          | 2        | 3        |
| <i>Cythereis</i> sp.                     | 17      |          |          |          |
| <i>Cytheridia papillosa</i>              |         | 15       | 2        |          |
| <i>Cytheridea punctillata</i>            |         | 1        |          |          |
| <i>Cytheromorpha?</i> sp.                |         |          | 1        | 3        |
| <i>Hemicythere</i> sp.                   |         | 2        |          |          |
| <i>Philomedes globosus</i>               |         |          | 448      | 238      |
| ARTHROPODA: Tanaidacea                   |         |          |          |          |
| <i>Leptognathia</i> sp.                  | 2       |          |          | 1        |
| <i>Leptognathia</i> sp.                  |         |          |          | 5        |
| <i>Pseudotanais lilljeborgi</i>          |         |          |          | 1        |
| ASCHELMINTHES: Nematoda                  |         |          |          |          |
| Nematodes                                | 222     | 217      | 130      | 49       |
| CHORDATA: Ascidiacea                     |         |          |          |          |
| <i>Rhizomolgula globularis</i>           | 86      |          | 4        | 13       |
| COELENTERATA: Anthozoa                   |         |          |          |          |
| <i>Edwardsia</i> sp.                     |         |          | 195      |          |
| ECHINODERMATA: Asteroidea                |         |          |          |          |
| <i>Urasterias linki</i>                  |         |          | 707      |          |
| ECHINODERMATA: Crinoidea                 |         |          |          |          |
| <i>Heliometra glacialis</i>              | 145     |          |          |          |
| ECHINODERMATA: Echinoidea                |         |          |          |          |
| <i>Strongylocentrotus droebachiensis</i> |         |          | 1605     |          |
| ECHINODERMATA: Holothuroidea             |         |          |          |          |
| <i>Myriotrochus rinki</i>                |         | 1191     | 344      | 1190     |
| <i>Thyonidium</i> sp.                    |         | 1829     |          |          |
| Holothuroid                              |         |          | 8        |          |
| ECHINODERMATA: Ophiuroidea               |         |          |          |          |
| <i>Ophiocten sericeum</i>                |         | 644      | 781      | 155      |
| MOLLUSCA: Aplacophora                    |         |          |          |          |
| Solenogasters                            |         |          |          | 20       |

Table 138. Continued.

| Species                       | a<br>5m | b<br>15m | c<br>26m | d<br>34m |
|-------------------------------|---------|----------|----------|----------|
| MOLLUSCA: Gastropoda          |         |          |          |          |
| <i>Alvania cruenta</i>        |         | 5        | 15       | 4        |
| <i>Colus togatus</i>          |         |          | 11487    |          |
| <i>Cylichna occulta</i>       | 55      | 61       | 2        |          |
| <i>Lepeta caeca</i>           |         |          | 1034     |          |
| <i>Natica clausa</i>          |         | 61       |          |          |
| <i>Philine finmarchica</i>    | 58      | 23       |          |          |
| <i>Philine lima</i>           |         | 26       | 96       | 45       |
| <i>Retusa obtusa</i>          |         | 26       |          | 31       |
| <i>Trichotropis borealis</i>  |         | 287      | 175      | 102      |
| MOLLUSCA: Pelecypoda          |         |          |          |          |
| <i>Astarte borealis</i>       |         | 22322    | 12923    | 7193     |
| <i>Astarte montagui</i>       | 17      | 2485     | 6312     | 1575     |
| <i>Clinocardium ciliatum</i>  |         |          | 3302     | 16523    |
| <i>Hiatella arctica</i>       |         |          | 6075     |          |
| <i>Macoma calcarea</i>        |         |          | 4448     |          |
| <i>Macoma moesta</i>          |         | 3798     | 699      | 126      |
| <i>Montacuta dawsoni</i>      | 898     |          |          |          |
| <i>Musculus niger</i>         |         | 12       |          |          |
| <i>Nucula belloti</i>         |         | 5        | 403      | 1555     |
| <i>Nuculana minuta</i>        |         | 129      | 99       |          |
| <i>Nuculana pernula</i>       |         |          |          | 1166     |
| <i>Portlandia arctica</i>     |         | 3360     | 13176    | 6895     |
| <i>Portlandia fraterna</i>    |         |          |          | 11       |
| <i>Portlandia frigida</i>     |         |          |          | 26       |
| <i>Portlandia lenticula</i>   |         |          |          | 247      |
| <i>Thyasira gouldi</i>        |         | 859      |          | 60       |
| NEMERTINA                     |         |          |          |          |
| Nemerteans                    | 742     | 246      | 129      | 240      |
| PRIAPULIDA                    |         |          |          |          |
| <i>Priapulid caudatus</i>     |         | 3        | 11       |          |
| SIPUNCULA                     |         |          |          |          |
| <i>Golfingia margaritacea</i> |         |          |          | 33       |
| <i>Phascolion strombi</i>     |         |          |          | 1410     |
| Total                         | 10146   | 43217    | 76245    | 55546    |

Table 139. Density, ash-free dry weight (AFDW) and caloric value of benthic invertebrates collected by grab from stations 66-1052 to 1055, 11 Aug 1966. (Depth 50m)

| Species                          | No.<br>m <sup>-2</sup> | AFDW<br>g m <sup>-2</sup> | Cal.<br>m <sup>-2</sup> |
|----------------------------------|------------------------|---------------------------|-------------------------|
| ANNELIDA: Hirudinea              |                        |                           |                         |
| Leech                            | 3                      | 0.2230                    | 1240                    |
| ANNELIDA: Polychaeta             |                        |                           |                         |
| <i>Aglaophamus malmgreni</i>     | 23                     | 0.2640                    | 1468                    |
| <i>Chaetozone setosa</i>         | 20                     | 0.0072                    | 40                      |
| <i>Euchone papillosa</i>         | 10                     | 0.0043                    | 24                      |
| <i>Glyphanostomum pallescens</i> | 3                      | 0.0004                    | 2                       |
| <i>Laonice cirrata</i>           | 13                     | 0.0912                    | 507                     |
| <i>Lumbrineris minuta</i>        | 13                     | 0.0041                    | 23                      |
| <i>Lysippe labiata</i>           | 3                      | 0.0022                    | 12                      |
| <i>Maldane sarsi</i>             | 5                      | 0.0488                    | 271                     |
| <i>Myriochele heeri</i>          | 18                     | 0.0215                    | 117                     |
| <i>Nicomache quadrispinata</i>   | 3                      | 0.0007                    | 4                       |
| <i>Notomastus latericeus</i>     | 3                      | 0.0260                    | 145                     |
| <i>Polyphysia crassa</i>         | 10                     | 0.8109                    | 4510                    |
| <i>Praxillella praetermissa</i>  | 25                     | 0.0152                    | 85                      |
| <i>Prionospio steenstrupi</i>    | 15                     | 0.0027                    | 15                      |
| <i>Scalibregma inflatum</i>      | 3                      | 0.0014                    | 8                       |
| <i>Scoloplos armiger</i>         | 5                      | 0.0027                    | 15                      |
| <i>Terebellides stroemi</i>      | 8                      | 0.0048                    | 27                      |
| <i>Tharyx acutus</i>             | 3                      | 0.0013                    | 7                       |
| ARTHROPODA: Amphipoda            |                        |                           |                         |
| <i>Haploops laevis</i>           | 43                     | 0.1998                    | 1151                    |
| ARTHROPODA: Cumacea              |                        |                           |                         |
| <i>Diastylis</i> sp.             | 3                      | 0.0053                    | 30                      |
| ARTHROPODA: Ostracoda            |                        |                           |                         |
| Ostracod                         | 3                      | 0.0002                    | 1                       |
| CHORDATA: Ascidiacea             |                        |                           |                         |
| <i>Rhizomolgula globularis</i>   | 3                      | 0.0014                    | 6                       |
| COELENTERATA: Anthozoa           |                        |                           |                         |
| <i>Cerianthus</i> sp.            | 8                      | 0.0646                    | 333                     |
| <i>Edwardsia</i> sp.             | 3                      | 0.0293                    | 151                     |
| ECHINODERMATA: Holothuroidea     |                        |                           |                         |
| <i>Myriotrochus rinki</i>        | 3                      | 0.2299                    | 1106                    |
| ECHINODERMATA: Ophiuroidea       |                        |                           |                         |
| <i>Ophiocten sericeum</i>        | 13                     | 0.0539                    | 319                     |

Table 139. Continued.

| Species                        | No.<br>m <sup>-2</sup> | AFDW<br>g m <sup>-2</sup> | Cal.<br>m <sup>-2</sup> |
|--------------------------------|------------------------|---------------------------|-------------------------|
| ECTOPROCTA                     |                        |                           |                         |
| <i>Alcyonidium gelatinosum</i> | 3                      | 0.0027                    | 11                      |
| MOLLUSCA: Gastropoda           |                        |                           |                         |
| <i>Philine finmarchica</i>     | 3                      | 0.0182                    | 101                     |
| MOLLUSCA: Pelecypoda           |                        |                           |                         |
| <i>Astarte borealis</i>        | 3                      | 0.4138                    | 2222                    |
| <i>Astarte montagui</i>        | 18                     | 0.1802                    | 945                     |
| <i>Bathyarca glacialis</i>     | 10                     | 0.1587                    | 867                     |
| <i>Nucula belloti</i>          | 5                      | 0.0138                    | 81                      |
| <i>Nuculana pernula</i>        | 3                      | 0.3988                    | 2188                    |
| <i>Thyasira gouldi</i>         | 5                      | 0.0051                    | 27                      |
| NEMERTINA                      |                        |                           |                         |
| Nemertean                      | 5                      | 0.0264                    | 141                     |
| SIPUNCULA                      |                        |                           |                         |
| <i>Phascolion strombi</i>      | 3                      | 0.0145                    | 78                      |
| Total (37 spp.)                |                        | 3.3490                    | 18,278                  |

Table 140. Density, ash-free dry weight (AFDW) and caloric value of benthic invertebrates collected by grab from station 67-0009, 23 Nov 1967. (Depth 40m)

| Species                            | No.<br>m <sup>-2</sup> | AFDW<br>g m <sup>-2</sup> | Cal.<br>m <sup>-2</sup> |
|------------------------------------|------------------------|---------------------------|-------------------------|
| ANNELIDA: Hirudinea                |                        |                           |                         |
| Leech                              | 3                      | 0.2276                    | 1266                    |
| ANNELIDA: Polychaeta               |                        |                           |                         |
| <i>Aglaophamus malmgreni</i>       | 13                     | 0.0743                    | 413                     |
| <i>Aricidea suecica</i>            | 5                      | 0.0017                    | 9                       |
| <i>Brada villosa</i>               | 5                      | 0.0551                    | 306                     |
| <i>Chaetozone setosa</i>           | 28                     | 0.0404                    | 225                     |
| <i>Chaetozone</i> sp.              | 3                      | 0.0004                    | 3                       |
| <i>Ephesiella minuta</i>           | 3                      | 0.0001                    | 0                       |
| <i>Euchone papillosa</i>           | 5                      | 0.0217                    | 120                     |
| <i>Laphania boeckii</i>            | 3                      | 0.0037                    | 20                      |
| <i>Leiochone borealis</i>          | 3                      | 0.0004                    | 2                       |
| <i>Lumbrineris minuta</i>          | 10                     | 0.0050                    | 28                      |
| <i>Lysippe labiata</i>             | 8                      | 0.0072                    | 40                      |
| <i>Maldane sarsi</i>               | 36                     | 0.3331                    | 1853                    |
| <i>Myriochele heeri</i>            | 10                     | 0.0028                    | 15                      |
| <i>Nephtys ciliata</i>             | 3                      | 0.9331                    | 5097                    |
| <i>Pectinaria hyperborea</i>       | 5                      | 0.3157                    | 1756                    |
| <i>Pholoe minuta</i>               | 5                      | 0.0011                    | 6                       |
| <i>Praxillella praetermissa</i>    | 51                     | 0.1065                    | 592                     |
| <i>Scoloplos armiger</i>           | 8                      | 0.0024                    | 13                      |
| <i>Tharyx acutus</i>               | 18                     | 0.0090                    | 50                      |
| ARTHROPODA: Amphipoda              |                        |                           |                         |
| <i>Aceroides latipes (latipes)</i> | 10                     | 0.0051                    | 29                      |
| <i>Haploops laevis</i>             | 74                     | 0.3490                    | 2011                    |
| <i>Onisimus affinis</i>            | 23                     | 0.0586                    | 338                     |
| ARTHROPODA: Cirripedia             |                        |                           |                         |
| <i>Balanus crenatus</i>            | 13                     | 0.0172                    | 94                      |
| ARTHROPODA: Cumacea                |                        |                           |                         |
| <i>Brachydiastylis resima</i>      | 5                      | 0.0003                    | 2                       |
| <i>Diastylis goodsiri</i>          | 18                     | 0.0927                    | 423                     |
| ARTHROPODA: Cumacea                |                        |                           |                         |
| <i>Diastylis rathkei</i>           | 5                      | 0.0110                    | 63                      |
| <i>Diastylis scorpioides</i>       | 8                      | 0.0014                    | 8                       |
| <i>Eudorella emarginata</i>        | 8                      | 0.0019                    | 11                      |
| <i>Leptostylis longimana</i>       | 3                      | 0.0003                    | 2                       |
| ARTHROPODA: Isopoda                |                        |                           |                         |
| <i>Gnathia elongata</i>            | 8                      | 0.0016                    | 8                       |



Table 140. Continued.

| Species                      | No.<br>m <sup>-2</sup> | AFDW<br>g m <sup>-2</sup> | Cal.<br>m <sup>-2</sup> |
|------------------------------|------------------------|---------------------------|-------------------------|
| ARTHROPODA: Ostracoda        |                        |                           |                         |
| Ostracod                     | 5                      | 0.0003                    | 2                       |
| Ostracod                     | 3                      | 0.0002                    | 1                       |
| ECHINODERMATA: Holothuroidea |                        |                           |                         |
| <i>Myriotrochus rinki</i>    | 10                     | 0.9418                    | 4531                    |
| ECHINODERMATA: Ophiuroidea   |                        |                           |                         |
| <i>Ophiocten sericeum</i>    | 90                     | 0.0735                    | 435                     |
| MOLLUSCA: Gastropoda         |                        |                           |                         |
| <i>Alvania cruenta</i>       | 10                     | 0.0023                    | 13                      |
| <i>Colus togatus</i>         | 3                      | 0.4648                    | 2691                    |
| <i>Cylichna magna</i>        | 20                     | 0.0110                    | 61                      |
| <i>Lunatia pallida</i>       | 3                      | 0.0101                    | 56                      |
| <i>Oenopota incisula</i>     | 3                      | 0.0010                    | 6                       |
| <i>Retusa obtusa</i>         | 3                      | 0.0002                    | 1                       |
| <i>Trichotropis borealis</i> | 5                      | 0.0986                    | 547                     |
| MOLLUSCA: Pelecypoda         |                        |                           |                         |
| <i>Astarte borealis</i>      | 3                      | 0.4220                    | 2266                    |
| <i>Astarte montagui</i>      | 20                     | 0.2777                    | 1458                    |
| <i>Bathyarca glacialis</i>   | 5                      | 0.1330                    | 726                     |
| <i>Macoma moesta</i>         | 10                     | 0.2541                    | 1374                    |
| <i>Nucula belloti</i>        | 20                     | 0.1174                    | 691                     |
| <i>Nuculana pernula</i>      | 10                     | 0.1876                    | 1029                    |
| <i>Portlandia arctica</i>    | 3                      | 0.0068                    | 37                      |
| <i>Portlandia fraterna</i>   | 51                     | 0.0123                    | 67                      |
| <i>Portlandia frigida</i>    | 31                     | 0.0074                    | 41                      |
| <i>Portlandia lenticula</i>  | 23                     | 0.0117                    | 64                      |
| <i>Thyasira gouldi</i>       | 33                     | 0.0041                    | 22                      |
| NEMERTINA                    |                        |                           |                         |
| Nemertean                    | 8                      | 0.0094                    | 50                      |
| Nemertean                    | 3                      | 1.4374                    | 7654                    |
| SIPUNCULA                    |                        |                           |                         |
| <i>Phascolion strombi</i>    | 36                     | 0.2079                    | 1116                    |
| Total (56 spp.)              |                        | 7.3730                    | 39,742                  |

Table 141. Density, ash-free dry weight (AFDW) and caloric value of benthic invertebrates collected by grab from station 69-1002, 8 Aug 1969. (Depth 53m)

| Species                             | No.<br>m <sup>-2</sup> | AFDW<br>g m <sup>-2</sup> | Cal.<br>m <sup>-2</sup> |
|-------------------------------------|------------------------|---------------------------|-------------------------|
| ANNELIDA: Polychaeta                |                        |                           |                         |
| <i>Aglaophamus malmgreni</i>        | 41                     | 0.2397                    | 1333                    |
| <i>Ammytropane cylindricaudatus</i> | 20                     | 0.0013                    | 7                       |
| <i>Apistobranchus tullbergi</i>     | 2                      | 0.0002                    | 1                       |
| <i>Aricidea jeffreysi</i>           | 40                     | 0.0006                    | 4                       |
| <i>Aricidea suecica</i>             | 43                     | 0.0074                    | 41                      |
| <i>Capitella capitata</i>           | 2                      | 0.0001                    | 1                       |
| <i>Chaetozone setosa</i>            | 155                    | 0.0353                    | 197                     |
| <i>Chaetozone</i> sp.               | 6                      | 0.0006                    | 4                       |
| <i>Cossura longocirrata</i>         | 58                     | 0.0010                    | 6                       |
| <i>Ephesiella biserialis</i>        | 3                      | 0.0002                    | 1                       |
| <i>Eteone flava</i>                 | 2                      | 0.0002                    | 1                       |
| <i>Eteone longa</i>                 | 5                      | 0.0034                    | 19                      |
| <i>Euchone papillosa</i>            | 17                     | 0.0021                    | 12                      |
| <i>Eumida</i> sp.                   | 2                      | 0.0001                    | 1                       |
| <i>Exogone naidina</i>              | 3                      | 0.0001                    | 1                       |
| <i>Heteromastus</i> sp.             | 34                     | 0.0037                    | 21                      |
| <i>Laonice cirrata</i>              | 5                      | 0.0900                    | 500                     |
| <i>Leiochone polaris</i>            | 43                     | 0.0058                    | 32                      |
| <i>Lumbrineris minuta</i>           | 205                    | 0.1224                    | 697                     |
| <i>Lysippe labiata</i>              | 14                     | 0.0058                    | 32                      |
| <i>Maldane sarsi</i>                | 28                     | 0.0480                    | 267                     |
| <i>Micronephtys minuta</i>          | 15                     | 0.0010                    | 6                       |
| <i>Myriochele heeri</i>             | 11                     | 0.0029                    | 16                      |
| <i>Nephtys ciliata</i>              | 2                      | 1.1234                    | 6136                    |
| <i>Nereimyra aphroditoides</i>      | 3                      | 0.0002                    | 1                       |
| <i>Nicomache quadrispinata</i>      | 2                      | 0.0003                    | 2                       |
| <i>Notomastus latericeus</i>        | 5                      | 0.0017                    | 10                      |
| <i>Paraonis gracilis</i>            | 5                      | 0.0002                    | 1                       |
| <i>Pectinaria hyperborea</i>        | 2                      | 0.0611                    | 340                     |
| <i>Pholoe minuta</i>                | 61                     | 0.0027                    | 15                      |
| <i>Praxillella praetermissa</i>     | 6                      | 0.0060                    | 33                      |
| <i>Prionospio steenstrupi</i>       | 119                    | 0.0184                    | 102                     |
| <i>Scalibregma inflatum</i>         | 5                      | 0.0008                    | 3                       |
| <i>Scoloplos armiger</i>            | 21                     | 0.0067                    | 37                      |
| <i>Sphaerodorium gracile</i>        | 2                      | 0.0001                    | 1                       |
| <i>Terebellides stroemi</i>         | 18                     | 0.0097                    | 54                      |
| <i>Tharyx acutus</i>                | 63                     | 0.0314                    | 175                     |
| ARTHROPODA: Amphipoda               |                        |                           |                         |
| <i>Aceroides latipes (latipes)</i>  | 6                      | 0.0012                    | 7                       |
| <i>Ampelisca eschrichti</i>         | 2                      | 0.0145                    | 83                      |
| <i>Arrhis phyllonyx</i>             | 2                      | 0.0004                    | 2                       |
| <i>Boeckosimus brevicaudatus</i>    | 2                      | 0.0109                    | 63                      |
| <i>Byblis gaimardi</i>              | 3                      | 0.0091                    | 53                      |
| <i>Haploops laevis</i>              | 8                      | 0.0057                    | 33                      |

Table 141. Continued.

| Species  | No.<br>m <sup>-2</sup> | AFDW<br>g m <sup>-2</sup> | Cal.<br>m <sup>-2</sup> |
|--|------------------------|---------------------------|-------------------------|
| ARTHROPODA: Cumacea                            |                        |                           |                         |
| <i>Brachydiastylis resima</i>                  | 11                     | 0.0003                    | 2                       |
| <i>Diastylis goodsiri</i>                      | 8                      | 0.0017                    | 10                      |
| <i>Diastylis oxyrhyncha</i>                    | 3                      | 0.0043                    | 25                      |
| <i>Diastylis scorpioides</i>                   | 2                      | 0.0006                    | 3                       |
| <i>Diastylis rathkei</i>                       | 2                      | 0.0004                    | 2                       |
| <i>Eudorella emarginata</i>                    | 5                      | 0.0011                    | 6                       |
| <i>Leucon nasica</i>                           | 2                      | 0.0007                    | 4                       |
| ARTHROPODA: Isopoda                            |                        |                           |                         |
| <i>Gnathia elongata</i>                        | 15                     | 0.0035                    | 20                      |
| ARTHROPODA: Ostracoda                          |                        |                           |                         |
| <i>Cyprideis sorbyana</i>                      | 11                     | 0.0003                    | 2                       |
| <i>Cythereis tuberculata</i>                   | 2                      | 0.0001                    | 0                       |
| ARTHROPODA: Tanaidacea                         |                        |                           |                         |
| <i>Leptognathia</i> sp.                        | 3                      | 0.0001                    | 1                       |
| <i>Pseudotanaeis macrocheles</i>               | 2                      | 0.0001                    | 0                       |
| ASCHELMINTHES: Nematoda                        |                        |                           |                         |
| Nematodes                                      | -                      | 0.0016                    | 9                       |
| COELENTERATA: Anthozoa                         |                        |                           |                         |
| <i>Cerianthus</i> sp.                          | 2                      | 0.0516                    | 266                     |
| <i>Edwardsia</i> sp.                           | 3                      | 0.0107                    | 55                      |
| COELENTERATA: Hydrozoa                         |                        |                           |                         |
| Hydrozoan                                      | 3                      | 0.0055                    | 28                      |
| ECHINODERMATA: Ophiuroidea                     |                        |                           |                         |
| <i>Ophiocten sericeum</i>                      | 6                      | 0.0066                    | 39                      |
| MOLLUSCA: Gastropoda                           |                        |                           |                         |
| <i>Alvania cruenta</i>                         | 11                     | 0.0012                    | 7                       |
| <i>Cylichna alba</i>                           | 2                      | 0.0178                    | 85                      |
| <i>Oenopota</i> sp.                            | 2                      | 0.0004                    | 2                       |
| <i>Velutina undata</i>                         | 2                      | 0.0032                    | 17                      |
| MOLLUSCA: Pelecypoda                           |                        |                           |                         |
| <i>Astarte borealis</i>                        | 2                      | 0.1792                    | 963                     |
| <i>Astarte montagui</i>                        | 44                     | 0.1894                    | 994                     |
| <i>Bathyarca glacialis</i>                     | 28                     | 0.0325                    | 177                     |
| <i>Musculus discors</i>                        | 2                      | 0.0005                    | 3                       |
| <i>Nuculana pernula</i>                        | 3                      | 0.0591                    | 324                     |
| <i>Portlandia lenticula</i>                    | 12                     | 0.0035                    | 22                      |
| <i>Thyasira gouldi</i>                         | 3                      | 0.0016                    | 8                       |
| <i>Yoldia hyperborea</i> ( <i>hyperborea</i> ) | 2                      | 0.0039                    | 21                      |

Table 141. Continued.

| Species                       | No.<br>m <sup>-2</sup> | AFDW<br>g m <sup>-2</sup> | Cal.<br>m <sup>-2</sup> |
|-------------------------------|------------------------|---------------------------|-------------------------|
| NEMERTINA                     |                        |                           |                         |
| Nemertean                     | 32                     | 0.0235                    | 125                     |
| SIPUNCULA                     |                        |                           |                         |
| <i>Golfingia margaritacea</i> | 12                     | 0.0025                    | 13                      |
| <i>Phascolion strombi</i>     | 5                      | 0.0396                    | 212                     |
| TOTAL (75 spp.)               |                        | 2.5235                    | 13,796                  |

Table 142. Density, ash-free dry weight (AFDW) and caloric value of benthic invertebrates, integrated from samples collected by grab (G) from stations 66-1052 to 1056, 11 Nov 1966; 67-0009, 23 Nov 1967; 69-1002, 8 Aug 1969; and by trawl (T) from station 69-1002, 9 Aug 1969. (Depth 40-53m)

| Species                             | Gear | No.<br>100 m <sup>-2</sup> | AFDW<br>g 100 m <sup>-2</sup> | k cal<br>100 m <sup>-2</sup> |
|-------------------------------------|------|----------------------------|-------------------------------|------------------------------|
| ANNELIDA: Hirudinea                 |      |                            |                               |                              |
| Leech                               | G T  | 169                        | 15.0200                       | 83.33                        |
| ANNELIDA: Polychaeta                |      |                            |                               |                              |
| <i>Aglaophamus malmgreni</i>        | G T  | 2554                       | 19.2667                       | 107.13                       |
| <i>Ammotrypane cylindricaudatus</i> | G    | 663                        | 0.0433                        | 0.23                         |
| <i>Amphicteis gunneri</i>           | T    | -                          | -                             | -                            |
| <i>Amphitrite groenlandica</i>      | T    | -                          | -                             | -                            |
| <i>Antinoella badia</i>             | T    | 0.51                       | 0.0140                        | 0.88                         |
| <i>Apistobranchus tullbergi</i>     | G    | 51                         | 0.0067                        | 0.03                         |
| <i>Aricidea jeffreysi</i>           | G    | 1326                       | 0.0200                        | 0.13                         |
| <i>Aricidea suecica</i>             | G    | 1599                       | 0.3033                        | 0.43                         |
| <i>Brada villosa</i>                | G T  | 171                        | 1.8367                        | 10.20                        |
| <i>Branchiomma infarcta</i>         | T    | -                          | -                             | -                            |
| <i>Capitella capitata</i>           | G    | 51                         | 0.0033                        | 0.03                         |
| <i>Chaetozone setosa</i>            | G    | 6756                       | 2.7633                        | 14.80                        |
| <i>Chaetozone sp.</i>               | G T  | 289                        | 0.0333                        | 0.23                         |
| <i>Chone sp.</i>                    | T    | -                          | -                             | -                            |
| <i>Cossura longocirrata</i>         | G    | 1938                       | 0.0333                        | 0.20                         |
| <i>Diplocirrus longisetosus</i>     | T    | -                          | -                             | -                            |
| <i>Ephesiella biserialis</i>        | G    | 102                        | 0.0067                        | 0.03                         |
| <i>Ephesiella minuta</i>            | G    | 85                         | 0.0033                        | 0.02                         |
| <i>Eteone flava</i>                 | G    | 51                         | 0.0067                        | 0.03                         |
| <i>Eteone longa</i>                 | G    | 153                        | 0.1133                        | 0.63                         |
| <i>Euchone analis</i>               | T    | -                          | -                             | -                            |
| <i>Euchone papillosa</i>            | G T  | 1065                       | 0.9367                        | 5.20                         |
| <i>Eumida sp.</i>                   | G    | 51                         | 0.0033                        | 0.02                         |
| <i>Exogone naidina</i>              | G    | 102                        | 0.0033                        | 0.02                         |
| <i>Flabelligera affinis</i>         | T    | -                          | -                             | -                            |
| <i>Glyphanostomum pallescens</i>    | G    | 51                         | 0.0133                        | 0.07                         |
| <i>Harmothoe imbricata</i>          | T    | -                          | -                             | -                            |
| <i>Harmothoe nodosa</i>             | T    | -                          | -                             | -                            |
| <i>Heteromastus sp.</i>             | G    | 1122                       | 0.1233                        | 0.70                         |
| <i>Laonice cirrata</i>              | G T  | 570                        | 6.0400                        | 33.57                        |
| <i>Laphania boeckii</i>             | G    | 85                         | 0.1233                        | 0.67                         |
| <i>Leaena abbranchiata</i>          | T    | -                          | -                             | -                            |
| <i>Leiochone borealis</i>           | G    | 85                         | 0.0133                        | 0.07                         |
| <i>Leiochone polaris</i>            | G    | 1428                       | 0.1933                        | 1.07                         |
| <i>Lumbrineris fragilis</i>         | T    | -                          | -                             | -                            |
| <i>Lumbrineris minuta</i>           | G T  | 7592                       | 4.3833                        | 24.93                        |
| <i>Lysippe labiata</i>              | G T  | 798                        | 0.5067                        | 2.80                         |
| <i>Maldane sarsi</i>                | G T  | 2279                       | 14.3567                       | 79.70                        |
| <i>Melaenis loveni</i>              | T    | -                          | -                             | -                            |
| <i>Melinna cristata</i>             | T    | -                          | -                             | -                            |
| <i>Micronephthys minuta</i>         | G    | 510                        | 0.0333                        | 0.20                         |

Table 142. Continued.

| Species                            | Gear | No.<br>100 m <sup>-2</sup> | AFDW<br>g 100 m <sup>-2</sup> | k cal<br>100 m <sup>-2</sup> |
|------------------------------------|------|----------------------------|-------------------------------|------------------------------|
| ANNELIDA: Polychaeta               |      |                            |                               |                              |
| <i>Myriochele heeri</i>            | G T  | 1282                       | 0.3022                        | 4.93                         |
| <i>Nephtys ciliata</i>             | G    | 136                        | 68.5500                       | 374.43                       |
| <i>Nephtys paradoxa</i>            | T    | 0.09                       | 0.0340                        | 0.22                         |
| <i>Nereimyra aphroditoides</i>     | G    | 102                        | 0.0067                        | 0.03                         |
| <i>Nicomache lumbricalis</i>       | T    | -                          | -                             | -                            |
| <i>Nicomache quadrispinata</i>     | G    | 134                        | 0.0333                        | 0.20                         |
| <i>Notomastus latericeus</i>       | G    | 236                        | 0.9233                        | 5.17                         |
| <i>Onuphis conchylega</i>          | T    | -                          | -                             | -                            |
| <i>Paraonis gracilis</i>           | G    | 153                        | 0.0067                        | 0.03                         |
| <i>Pectinaria hyperborea</i>       | G    | 222                        | 12.5600                       | 69.87                        |
| <i>Pholoe minuta</i>               | G    | 2211                       | 0.1267                        | 1.30                         |
| <i>Phyllodoce groenlandica</i>     | T    | -                          | -                             | -                            |
| <i>Pista maculata</i>              | T    | -                          | -                             | -                            |
| <i>Polyphysia crassa</i>           | G T  | 333                        | 27.0300                       | 150.33                       |
| <i>Potamilla neglecta</i>          | T    | -                          | -                             | -                            |
| <i>Praxillella praetermissa</i>    | G T  | 2591                       | 4.2567                        | 23.67                        |
| <i>Prionospio steenstrupi</i>      | G T  | 4478                       | 0.7033                        | 3.90                         |
| <i>Scalibregma inflatum</i>        | G    | 236                        | 0.0733                        | 0.37                         |
| <i>Scoloplos armiger</i>           | G T  | 1137                       | 0.3933                        | 2.17                         |
| <i>Sphaerodorium gracile</i>       | G    | 51                         | 0.0033                        | 0.03                         |
| <i>Spiochaetopterus typicus</i>    | G T  | -                          | -                             | -                            |
| <i>Spirorbis</i> sp.               | T    | -                          | -                             | -                            |
| <i>Terebellides stroemi</i>        | G    | 862                        | 0.4833                        | 2.70                         |
| <i>Tharyx acutus</i>               | G    | 2772                       | 1.3900                        | 7.73                         |
| ARTHROPODA: Amphipoda              |      |                            |                               |                              |
| <i>Acanthostephea malmgreni</i>    | T    | 0.13                       | 0.0040                        | 0.02                         |
| <i>Aceroides latipes (latipes)</i> | G    | 545                        | 0.2100                        | 1.20                         |
| <i>Ampelisca eschrichti</i>        | G    | 51                         | 0.4833                        | 2.77                         |
| <i>Arrhis phyllonyx</i>            | G    | 51                         | 0.0133                        | 0.07                         |
| <i>Boecksimus brevicaudatus</i>    | G    | 51                         | 0.3633                        | 2.10                         |
| <i>Byblis gaimardi</i>             | G    | 102                        | 0.3033                        | 1.77                         |
| <i>Haploops laevis</i>             | G    | 4146                       | 18.4833                       | 106.50                       |
| <i>Nototropis smitti</i>           | T    | 0.62                       | 0.0220                        | 0.12                         |
| <i>Onisimus affinis</i>            | G    | 768                        | 1.9533                        | 11.27                        |
| <i>Stegocephalus inflatus</i>      | T    | 0.49                       | 0.0580                        | 0.36                         |
| ARTHROPODA: Cirripedia             |      |                            |                               |                              |
| <i>Balanus balanus</i>             | T    | -                          | -                             | -                            |
| <i>Balanus crenatus</i>            | T    | 427                        | 0.5733                        | 3.13                         |
| ARTHROPODA: Cumacea                |      |                            |                               |                              |
| <i>Brachydiastylis resima</i>      | G    | 528                        | 0.0200                        | 0.13                         |
| <i>Diastylis goodsiri</i>          | G T  | 825                        | 3.1467                        | 14.43                        |
| <i>Diastylis oxyrhyncha</i>        | G T  | 102                        | 0.1433                        | 0.83                         |
| <i>Diastylis rathkei</i>           | G    | 305                        | 0.5567                        | 3.17                         |
| <i>Diastylis scorpioides</i>       | G    | 307                        | 0.0667                        | 0.37                         |
| <i>Diastylis</i> sp.               | G    | -                          | -                             | -                            |

Table 142. Continued.

| Species                         | Gear | No.<br>100 m <sup>-2</sup> | AFDW<br>g 100 m <sup>-2</sup> | k cal<br>100 m <sup>-2</sup> |
|---------------------------------|------|----------------------------|-------------------------------|------------------------------|
| ARTHROPODA: Cumacea             |      |                            |                               |                              |
| <i>Eudorella emarginata</i>     | G    | 409                        | 0.1000                        | 0.57                         |
| <i>Leptostylis longimana</i>    | G    | 85                         | 0.0100                        | 0.07                         |
| <i>Leucon nasica</i>            | G    | 51                         | 0.0233                        | 0.13                         |
| ARTHROPODA: Decapoda            |      |                            |                               |                              |
| <i>Argis dentata</i>            | T    | 0.66                       | 0.6400                        | 2.91                         |
| <i>Eualus gaimardi belcheri</i> | T    | 0.30                       | 0.0120                        | 0.07                         |
| <i>Sabinea septemcarinata</i>   | T    | 10                         | 1.9820                        | 10.93                        |
| <i>Spirontocaris spinus</i>     | T    | 0.10                       | 0.0260                        | 0.15                         |
| ARTHROPODA: Isopoda             |      |                            |                               |                              |
| <i>Gnathia elongata</i>         | G T  | 766                        | 0.1700                        | 0.93                         |
| <i>Munnopsis typica</i>         | T    | -                          | 0.0220                        | 0.11                         |
| ARTHROPODA: Ostracoda           |      |                            |                               |                              |
| <i>Cyprideis sorbyana</i>       | G    | 528                        | 0.0200                        | 0.13                         |
| <i>Cythereis tuberculata</i>    | G    | 136                        | 0.0100                        | 0.03                         |
| Ostracod                        | G    | 83                         | 0.0067                        | 0.03                         |
| ARTHROPODA: Pycnogonida         |      |                            |                               |                              |
| <i>Boreonymphon abyssorum</i>   | T    | -                          | -                             | -                            |
| <i>Boreonymphon ossiansarsi</i> | T    | -                          | -                             | -                            |
| <i>Boreonymphon robustum</i>    | T    | -                          | -                             | -                            |
| <i>Nymphon hirtipes</i>         | T    | -                          | -                             | -                            |
| <i>Nymphon longitarse</i>       | T    | -                          | -                             | -                            |
| <i>Nymphon sluiteri</i>         | T    | -                          | -                             | -                            |
| <i>Pseudopalene brevicolis</i>  | T    | -                          | -                             | -                            |
| Pycnogonids (all)               | T    | -                          | 0.2860                        | 1.46                         |
| ARTHROPODA: Tanaidacea          |      |                            |                               |                              |
| <i>Leptognathia</i> sp.         | G    | 102                        | 0.0033                        | 0.03                         |
| <i>Pseudotanais macrocheles</i> | G    | 51                         | 0.0033                        | 0.03                         |
| ASCHELMINTHES: Nematoda         |      |                            |                               |                              |
| Nematodes                       | G    | -                          | 0.1600                        | 0.90                         |
| BRACHIOPODA                     |      |                            |                               |                              |
| <i>Hemithyris psittacea</i>     | T    | 0.01                       | 0.0000                        | 0.00                         |
| CHORDATA: Ascidiacea            |      |                            |                               |                              |
| <i>Ciona intestinalis</i>       | T    | 0.01                       | 0.0040                        | 0.01                         |
| <i>Molgula griffithsi</i>       | T    | -                          | -                             | -                            |
| <i>Rhizomolgula globularis</i>  | G    | 83                         | 0.0467                        | 0.20                         |

Table 142. Continued.

| Species                                  | Gear | No.<br>100 m <sup>-2</sup> | AFDW<br>g 100 m <sup>-2</sup> | k cal<br>100 m <sup>-2</sup> |
|--|------|----------------------------|-------------------------------|------------------------------|
| COELENTERATA: Anthozoa                   |      |                            |                               |                              |
| <i>Allantactis parasitica</i>            | T    | 1.33                       | 2.9160                        | 15.02                        |
| <i>Cerianthus</i> sp.                    | G    | 301                        | 3.8733                        | 19.97                        |
| <i>Edwardsia</i> sp.                     | G T  | 185                        | 1.3333                        | 6.87                         |
| <i>Gersemia rubiformis</i>               | T    | -                          | -                             | -                            |
| Anthozoan                                | T    | 0.01                       | 0.0180                        | 0.09                         |
| COELENTERATA: Hydrozoa                   |      |                            |                               |                              |
| Hydrozoan                                | G    | 102                        | 0.1833                        | 0.93                         |
| ECHINODERMATA: Asteroidea                |      |                            |                               |                              |
| <i>Pontaster tenuispinus</i>             | T    | 0.03                       | 0.0240                        | 0.14                         |
| <i>Poraniomorpha tumida</i>              | T    | 0.09                       | 0.0520                        | 0.30                         |
| <i>Urasterias lincki</i>                 | T    | 2.82                       | 8.7300                        | 47.51                        |
| ECHINODERMATA: Crinoidea                 |      |                            |                               |                              |
| <i>Heliometra glacialis</i>              | T    | 0.05                       | 0.1120                        | 0.56                         |
| ECHINODERMATA: Echinoidea                |      |                            |                               |                              |
| <i>Strongylocentrotus droebachiensis</i> | T    | 0.20                       | 0.0940                        | 0.53                         |
| ECHINODERMATA: Holothuroidea             |      |                            |                               |                              |
| <i>Cucumaria frondosa</i>                | T    | 0.15                       | 0.3920                        | 2.23                         |
| <i>Myriotrochus rinki</i>                | G T  | 425                        | 39.0567                       | 187.90                       |
| <i>Psolus phantapus</i>                  | T    | 0.01                       | 0.0500                        | 0.18                         |
| ECHINODERMATA: Ophiuroidea               |      |                            |                               |                              |
| <i>Ophiocten sericeum</i>                | G T  | 3607                       | 4.4667                        | 26.43                        |
| <i>Ophiopleura borealis</i>              | T    | 1.01                       | 0.8200                        | 4.47                         |
| ECTOPROCTA                               |      |                            |                               |                              |
| <i>Alcyonidium gelatinosum</i>           | G    | 83                         | 0.0900                        | 0.37                         |
| MOLLUSCA: Aplacophora                    |      |                            |                               |                              |
| <i>Solenogaster</i>                      | T    | -                          | -                             | -                            |
| MOLLUSCA: Cephalopoda                    |      |                            |                               |                              |
| <i>Rossia molleri</i>                    | T    | 0.05                       | 0.0260                        | 0.15                         |
| MOLLUSCA: Gastropoda                     |      |                            |                               |                              |
| <i>Admete couthouyi</i>                  | T    | -                          | -                             | -                            |
| <i>Alvania cruenta</i>                   | G    | 698                        | 0.1167                        | 0.67                         |
| <i>Buccinum hydrophanum</i>              | T    | 0.18                       | 0.0440                        | 0.26                         |
| <i>Buccinum scalariforme</i>             | T    | 0.14                       | 0.0540                        | 0.31                         |
| <i>Colus pubescens</i>                   | T    | 0.09                       | 0.1180                        | 0.65                         |
| <i>Colus togatus</i>                     | G T  | 85                         | 15.4933                       | 89.70                        |
| <i>Cylichna alba</i>                     | G T  | 51                         | 0.5933                        | 2.83                         |
| <i>Cylichna magna</i>                    | G    | 683                        | 0.3667                        | 2.03                         |
| <i>Cylichna occulta</i>                  | T    | -                          | -                             | -                            |



Table 142. Continued.

| Species                       | Gear | No.<br>100 m <sup>-2</sup> | AFDW<br>g 100 m <sup>-2</sup> | k cal<br>100 m <sup>-2</sup> |
|-------------------------------|------|----------------------------|-------------------------------|------------------------------|
| MOLLUSCA: Gastropoda          |      |                            |                               |                              |
| <i>Lepeta caeca</i>           | T    | -                          | -                             | -                            |
| <i>Lunatia pallida</i>        | G T  | 85                         | 0.3367                        | 1.87                         |
| <i>Margarites costalis</i>    | T    | 0.83                       | 0.1033                        | 0.36                         |
| <i>Oenopota incisula</i>      | G    | 85                         | 0.0333                        | 0.20                         |
| <i>Oenopota turricula</i>     | T    | -                          | -                             | -                            |
| <i>Oenopota</i> sp.           | G    | 51                         | 0.0133                        | 0.07                         |
| <i>Philine finmarchica</i>    | G T  | 83                         | 0.6067                        | 3.37                         |
| <i>Retusa obtusa</i>          | G    | 85                         | 0.0067                        | 0.03                         |
| <i>Trichotropis borealis</i>  | G T  | 171                        | 3.2867                        | 18.23                        |
| <i>Velutina undata</i>        | G T  | 51                         | 0.1067                        | 0.57                         |
| <i>Velutina velutina</i>      | T    | 0.04                       | 0.0040                        | 0.01                         |
| MOLLUSCA: Pelecypoda          |      |                            |                               |                              |
| <i>Astarte borealis</i>       | G T  | 220                        | 33.8333                       | 181.70                       |
| <i>Astarte crenata</i>        | T    | 0.22                       | 0.0133                        | 0.04                         |
| <i>Astarte montagui</i>       | G T  | 2745                       | 21.5767                       | 113.23                       |
| <i>Bathyarca glacialis</i>    | G T  | 1422                       | 10.8067                       | 59.00                        |
| <i>Cuspidaria obesa</i>       | T    | -                          | -                             | -                            |
| <i>Dacrydium vitreum</i>      | T    | -                          | -                             | -                            |
| <i>Hiatella arctica</i>       | T    | 0.02                       | 0.0008                        | 0.00                         |
| <i>Macoma moesta</i>          | G T  | 341                        | 8.4700                        | 45.80                        |
| <i>Musculus discors</i>       | G T  | 51                         | 0.0167                        | 0.10                         |
| <i>Musculus niger</i>         | T    | 0.13                       | 0.0280                        | 0.15                         |
| <i>Nucula belloti</i>         | G    | 849                        | 4.3733                        | 25.73                        |
| <i>Nuculana pernula</i>       | G T  | 527                        | 21.5167                       | 118.03                       |
| <i>Pecten groenlandicus</i>   | T    | 0.32                       | 0.0040                        | 0.00                         |
| <i>Portlandia arctica</i>     | G T  | 85                         | 0.2267                        | 1.23                         |
| <i>Portlandia fraterna</i>    | G    | 1707                       | 0.4100                        | 2.23                         |
| <i>Portlandia frigida</i>     | G    | 1024                       | 0.2467                        | 1.37                         |
| <i>Portlandia lenticula</i>   | G T  | 1176                       | 0.5067                        | 2.87                         |
| <i>Thyasira gouldi</i>        | G T  | 1378                       | 0.3600                        | 1.90                         |
| <i>Yoldia hyperborea</i>      | G    | 51                         | 0.1300                        | 0.70                         |
| NEMERTINA                     |      |                            |                               |                              |
| Nemertean                     | G    | 1494                       | 1.9767                        | 10.53                        |
| Nemertean                     | G T  | 85                         | 47.9133                       | 255.13                       |
| PLATYHELMINTHES               |      |                            |                               |                              |
| Turbellarian                  | T    | -                          | -                             | -                            |
| PORIFERA                      |      |                            |                               |                              |
| <i>Tetilla sibirica</i>       | T    | 0.17                       | 0.1320                        | 0.73                         |
| SIPUNCULA                     |      |                            |                               |                              |
| <i>Golfingia margaritacea</i> | G    | 408                        | 0.0833                        | 0.43                         |
| <i>Phascolion strombi</i>     | G T  | 1431                       | 8.7333                        | 46.87                        |
| Total (174 sps.)              |      |                            | 457.8845                      | 2483.94                      |

Table 143. Benthic invertebrates collected by trawl from station 65-1047, 27 Aug 1965; 66-0004, 3-25 Aug 1966; 67-1109, 18 Aug 1967 and by dredge from station 69-1004, 11 Aug 1969, not found in quantitative samples from the same area. (\* taken only at 5m depth; others at 50-53m)

| Species                          | Species                            |
|----------------------------------|------------------------------------|
| ANNELIDA: Polychaeta             | ARTHROPODA: Tanaidacea             |
| <i>Amphitrite cirrata</i>        | <i>Typhlotanais finmarchicus</i> * |
| <i>Antinoella sarsi</i>          |                                    |
| <i>Axiiothella catenata</i>      | ECHINODERMATA: Asteroidea          |
| <i>Chone infundibuliformis</i> * | <i>Leptasterias groenlandica</i>   |
| <i>Cirratulus cirratus</i>       |                                    |
| <i>Gattyana cirrosa</i> *        | ECHINODERMATA: Holothuroidea       |
| <i>Harmothoe extenuata</i>       | <i>Psolus fabricii</i>             |
| <i>Laonome kroyeri</i> *         |                                    |
| <i>Nereis zonata</i>             | MOLLUSCA: Gastropoda               |
| <i>Nicolea venustula</i>         | <i>Boreotrophon pacificus</i>      |
| <i>Paranaitis wahlbergi</i>      | <i>Buccinum polare</i>             |
| <i>Pectinaria granulata</i> *    | <i>Capulacmaea radiata</i>         |
| <i>Polydora caeca</i>            | <i>Colus islandicus</i>            |
| <i>Sabellides borealis</i>       | <i>Natica clausa</i>               |
| <i>Sabellides oculata</i> *      | <i>Neptunea despecta</i>           |
| <i>Spirorbis corrugatus?</i> *   | <i>Onchidoris bilamellata</i>      |
|                                  | <i>Philine lima</i>                |
| ARTHROPODA: Amphipoda            |                                    |
| <i>Acanthonotozoma cristatum</i> | MOLLUSCA: Pelecypoda               |
| <i>Acanthonotozoma inflatum</i>  | <i>Axinopsida orbiculata</i> *     |
| <i>Anonyx debruyni</i>           | <i>Musculus corrugatus</i>         |
| <i>Anonyx nugax</i>              | <i>Serripes groenlandicus</i>      |
| <i>Atylus smitti</i>             |                                    |
| <i>Boeckosimus edwardsi</i>      |                                    |
| <i>Gammarus wilkitzkii</i>       |                                    |
| <i>Haploops tubicola</i>         |                                    |
| <i>Hippomedon propinquus</i>     |                                    |
| <i>Ischyrocerus</i> sp.          |                                    |
| <i>Lepidocreum umbo</i>          |                                    |
| <i>Paramphithoe hystrix</i>      |                                    |
| <i>Socarnes bidenticulatus</i>   |                                    |
|                                  |                                    |
| ARTHROPODA: Cumacea              |                                    |
| <i>Diastylis glabra</i>          |                                    |
| <i>Diastylis spinulosa</i>       |                                    |
| <i>Diastylis</i> sp. *           |                                    |
|                                  |                                    |
| ARTHROPODA: Decapoda             |                                    |
| <i>Lebbeus polaris</i>           |                                    |
| <i>Spirontocaris phippsi</i>     |                                    |
|                                  |                                    |
| ARTHROPODA: Isopoda              |                                    |
| <i>Munnopsis typica</i>          |                                    |