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Torleif Holthe

A QUANTITATIVE INVESTIGATION OF THE LEVEL-BOTTOM MACROFAUNA OF TRONDHEIMSFJORDEN, NORWAY

TRONDHEIM 1977

A QUANTITATIVE INVESTIGATION OF THE LEVEL-BOTTOM MACROFAUNA OF TRONDHEIMSFJORDEN, NORWAY

by

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ABSTRACT

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As part of an investigation of Trondheimsfjorden as a recipient, a survey of the level-bottom macrofauna was undertaken during the period June 1972 to October 1974. The survey comprised 1,580 grab samples and covered 30 stations in the main fjord and the side fjords. A total of 310 macrobenthos taxa was identified. The results indicate that the benthos of the main fjord and most side fjords are not much affected by human activity. There are, however, some restricted parts of the fjord showing effects of heavy metal pollution, artificial changes in the sediment, or hyper-eutrophication.

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INTRODUCTION

The main tasks of the 1972 to 1974 investigation of Trondheimsfjorden as a recipient were to study the physical hydrography and the primary production of the fjord system, and to map sources of possible pollutants. It was, however, considered desireable also to gain information on the state of the biota in the various parts of the fjord. It was necessary to choose a limited group of organisms for this survey, that should as far as possible meet the following conditions: 1) The natural changes of the populations should not be too rapid. 2) The organisms should be stationary. 3) The habitat should be uniform. 4) Quantitative sampling should be possible. 5) Basic research results on synecology and the species' biology should be at hand. 6) It must be possible to find spesialists who could identify the organisms and interprete the results.

The group of organisms that came nearest to fulfill these conditions was the level-bottom macrofauna.

Mapping of the sources of pollutants was undertaken by the Norwegian Institute for Water Research (NIVA 1976), investigations on the physical hydrography by The River and Harbour Laboratory at The Norwegian Institute of Technology (Jacobson 1976), investigations on plant nutrients, and primary production by The Royal Norwegian Society of Sciences and Letters, The Museum (Sakshaug 1976). None of these results are yet published, the quotations above refere to the reports to the investigation committee. A paper on the heavy metal pollution has been published (Lande 1977).

MATERIAL AND METHODS

The material at hand was sampled during six cruises in the period June 1972 to October 1974. A total of 30 stations was operated (Fig. 1). A survey of the cruises and stations is given in Table 1.

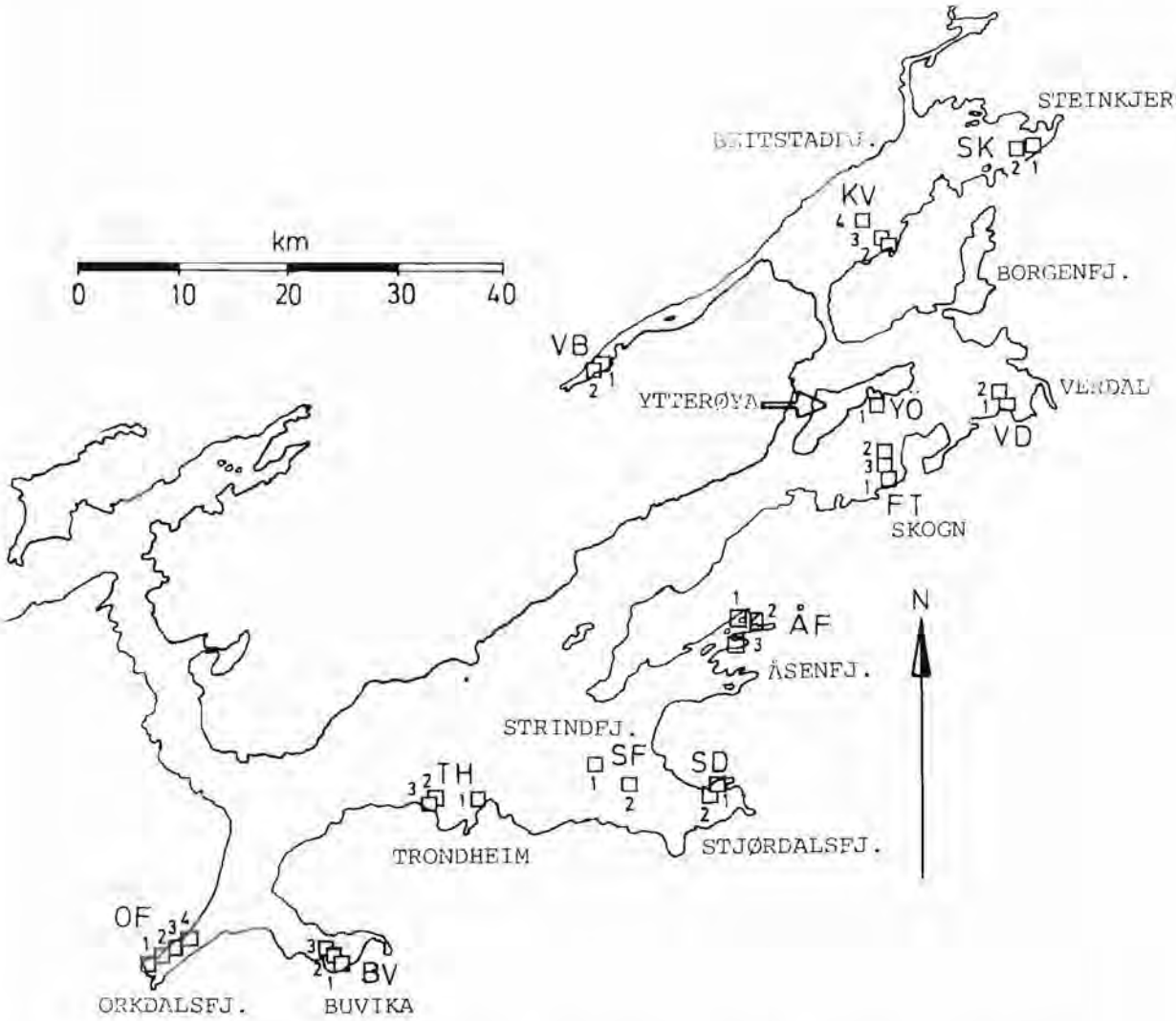

Fig. 1. Map of Trondheimsfjorden with the position of the sampling stations.

Table 1. Stations and cruises

	OF				BV			TH			SF		CD		AF			TT			YØ	VD		KV			SK		VØ	
	1	2	3	4	1	2	3	1	2	3	1	2	1	2	1	2	3	1	2	3	1	1	2	2	3	4	1	2	1	2
Depth in meters	20	50	100	200	20	50	100	50	120	50	200	100	20	50	50	20	50	20	50	100	50	20	50	50	100	200	20	50	20	50
June 1972	x	x	x	x	x	x	x	x			x	x	x	x				x	x	x	x			x	x	x	x	x		
October 1972	x	x	x	x	x	x	x	x			x	x	x	x				x	x	x	x			x	x	x	x	x		
June 1973	x	x	x	x	x	x	x	x			x	x	x	x				x	x	x	x			x	x	x	x	x		
October 1973	x	x	x	x	x	x	x	x			x	x	x	x				x	x	x	x			x	x	x	x	x		
June 1974		x	x	x				x	x	x			x	x	x	x	x	x	x	x		x	x				x	x	x	x
October 1974	x	x	x					x				x	x	x	x	x	x	x	x	x		x	x				x	x		x

Sampling was performed by means of a 0.1 m^2 Petersen grab. all samples comprise 10 subsamples, each of 0.1 m^2. At depths of 20 or 50 m the vessel was anchored at the sampling site. At greater depths the vessel was held in position by active maneuver. The material was sieved on board through sieves with a mesh width of 1 mm. Sorting into three main groups, viz. polychaetes, pelecypods, and other invertebrates, was also performed on board. The material was preserved in alcohol, and remains in the collections of The Royal Norwegian Society of Sciences and Letters, The Museum.

Identification was as far as possible carried out to the species level. A few higher taxa are generally left indetermined, these are: Polycladia, Nemertini, Amphipoda, Cumacea, and Holothuroidea.

Data processing was carried out by means of the program series "Benthos", which was originally devised to serve this investigation (Lundquist & Holthe 1974). The program was run at Regnesenteret, University of Trondheim (UNIVAC 1108).

For each station, cruise, and species, there are calculated mean ($\bar{X}$) and standard deviation (s).

For each station and cruise are calculated three indices of diversity, λ (Simpson 1949), H (Shannon & Weaver 1963), and d (Margalef 1957), and sampling efficiency by Engen's method, S_N (Strömgren et al. 1973).

$$\lambda = \frac{N^2 - \Sigma x_i^2}{N(N-1)}$$

$$H \approx -\Sigma \frac{x_i}{N} \ln \frac{x_i}{N}$$

$$d = \frac{S-1}{\ln N}$$

where N is the total number of individuals, S is the number of species, and x_i is the number of individuals of the i'th species.

S_N is calculated from r_1, the number of species (or higher indetermined taxa) with only one specimen present in the sample. With a level of significance of 0.05 the value of λ_m is taken from Engen's table if $r_1 \leq 10$, and if $r_1 > 10$, λ_m can be calculated as

$$\lambda_m = \frac{1.644 + \sqrt{1.644^2 + 4r_1}}{2}^{\,2}$$

Sample efficiency is then calculated by means of the expression:

$$1 - \frac{\lambda m}{N} < S_N < 1$$

where N is the number of individuals.

For any pair of stations two coefficients of similarity are calculated. These are the quantitative coefficient of community (cc) and the quantitative Czkanowski's coefficient of similarity (Cz).

$$cc = \frac{c}{a+b-c} \; 100$$

where a is the number of species of the station A, b is the number of species of the station B, and c is the number of species common to both.

$$Cz = \frac{2 \Sigma \min a_i b_i}{\Sigma a_i + \Sigma b_i}$$

where a_i and b_i are the numbers of individuals of the i'th species at the station A and B, respectively.

RESULTS

A total of 310 species and higher indetermined taxa are listed in Table 2. Of the indetermined taxa only Amphipoda indet. and Holothuroidea indet. may represent considerable numbers of species, the latter group is also quantitatively dominant at some stations. The indisputable highest number of species is found among the Polychaeta (at least 143 spp), followed by the Pelecypoda with at least 62 spp.

The species lists and the quantitative results for the 30 stations are given in Table 3-32. The values of the coefficients of similarity are given in Table 33. A simplified presentation of the quantitative results is given in Figs. 2-31.

DISCUSSION

When extensive sampling is undertaken, as in the present investigation, the yield of information about the distributions of the individual species is considerable. A compilation of this and earlier results is yet made only for the polychaete fraction of the fauna (Holthe 1977). This compilation gives no reason to assume that the polychaete fauna has been qualitatively reduced since the turn of the century. Unfortunately there are no earlier quantitative results suited for comparison. Thus the main purpose of the present investigation is to serve as a quantitative baseline for future supervision of the fjord. The variations throughout the period of investigation are certainly caused by natural competition within the communities. No major changes in ecological stress caused by human activity has occured during the period. It is, however, possible to discuss the state of benthic life in the various parts of the fjord:

Orkdalsfjorden (Stations OF 1-4, Tables 3-6, Figs. 2-5)

For all investigated depths Orkdalsfjorden shows low similarity with the other investigated areas, quantitatively as well as qualitatively. This is not caused by the occurrence of species which are not found elsewhere, but by a low number of species and low diversity. The dominant species are *Scoloplos armiger*, *Heteromastus filiformis*, *Chaetozone setosa*, and *Thyasira* sp. In depths from 20-100 m several species - especially polychaetes - occur in small numbers. In greater depths the number of species and also the number of induviduals are very low. All over, the fauna seems to be poorer than it would be by normal competition between the species that have access to the fjord. This indicates the presence of a physical stress on the community.

The causes of this stress cannot be found in the hydrographical conditions nor in the nature of the sediments, as these are not different from the adjoining parts of Trondheimsfjorden. It is known that the bottom of Orkdalsfjorden is unstable; i.e. submarine landslides have occurred (Rosenquist 1960). But if this phenomenon should influence the benthic community structure, landslides must occur every other year and affect major parts of the fjord. The marine benthic

fauna will rapidly recolonize affected areas when the conditions again are favourable. (An example of rapid recolonization in a Swedish fjord is given by Rosenberg (1972)). The tables show that several benthic invertebrate species occur in Orkdalsfjorden, but that most of then do not succeed in establishing normal population densities. It is tempting to assume that the fauna of Orkdalsfjorden is influenced by heavy metal waste from the mining industry in the valley of the only river which discharge into this fjord. Measurements of the heavy metal content of littoral organisms (Lande 1977) and bottom sediment (Fiskum et al. 1974) support this assumption. Orkdalsfjorden is generally more affected by heavy metal pollution than other parts of Trondheimsfjorden (Lande 1977), and the degree of pollution of the sediment increases with the water depth (Fiskum et al. 1974).

Buvika (Stations BV 1-3, Tables 7-9, Figs. 6-8)

In this area all investigated depths (20-100 m) have a fauna rich in species and with high diversity. The variation apparent from one cruise to another at 20 m, is caused by the patchiness of the fauna, and does not describe a seasonal variation.

Trondheim (Stations TH 1-3, Tables 10-12, Figs. 9,11)

In the area north-west of the city (TH-2-3) it proved difficult to obtain samples. The sediment is mixed with coarse sand and stones, which prevent the grab from closing properly. Thus the results from these stations are not reliable as quantitative estimates.

East of the city, at a depth of 50 m, was found a community characterized by high desities of the polychaete *Melinna cristata* and a number of species that surpasses that of any other known level-bottom locality in Trondheimsfjorden. This station lies in the course of the current bringing waste from the city, but the fauna seems to be little affected by this condition.

Strindfjorden (Stations SF 1-2, Tables 13-14, Figs. 12-13)

The fauna of Strindfjorden is characterized by the ophiurids *Amphiura chiajei*, *A. filiformis*, and *Amphilepis norvegica*. These communities are typical for the deeper water (100-200 m), and are to be expected in unpolluted areas. The low number of individuals in October 1974 is probably caused by the difficulty of obtaining good samples in rough weather.

Stjördalsfjorden (Stations SD 1-2, Tables 15-16, Figs. 14-15)

The fauna inside the threshold to Stjördalsfjorden is rich in species, and the diversity is high. Character species are the polychaete *Maldane sarsi* and the pelecypods *Abra alba* and *A. nitida*. This fjord is influenced by sewage from the city of Trondheim (Jacobson 1976), and it is planned to supervise the oxygen conditions in Stjördalsfjorden to detect a possible pollution increase.

Åsenfjorden (Stations ÅF 1-3, Tables 17-19, Figs. 16-18)

These stations are sampled only twice, and the fauna seems to be rather poor in species and individuals. The diversity is not low.

Ytteröya - Skogn (Stations YÖ 1 and FT 1-3, Tables 20-30, Figs. 19-20)

While the fauna of Ytteröya (YÖ 1) in all respects appears natural, the fauna on the other side of the basin shows quantitative anomalies. There are many species present in the area, but the high number of individuals is made up by a few pelecypods, viz. *Thyasira* spp. (especially *T. sarsi*), *Abra alba*, and *A. nitida*. *T. sarsi* seems to be abundant in areas with much dead plant material, and the sediment at Stations FT 1-3 contains much wood fragments. This is not surprising,

as the regions' largest pulp and paper mill is located here. Even if this waste has little chemical effect, its altering of the mechanical properties of the sediment will give preferance to certain pelecypod species, and thus influence the community structure.

Verdal (Stations VD 1-2, Tables 24-25, Figs. 23-24)

These stations are sampled only twice. The fauna is relatively rich in species and individuals. Character species are the polychaete *Maldane sarsi* and the pelecypods *Abra alba*, *A. nitida* and *Corbula gibba*.

Beitstadfjorden (Stations KV 2-4 and SK 1-2, Tables 26-30 Figs. 25-27 and 30-31)

In Beitstadfjorden two transects are studied: One from Kirknesvågen and out to a depth of 200 m (KV 2-4), and one outside the harbour of Steinkjer. The transect KV 2-4 can be compared to a similar transect in the main fjord (TH 1, SF 2, SF 1), and these transects show good accordance. The differences are not greater than it should be expected from natural causes when one transect is located in the outer part and another in the inner part of a fjord system. Outside Steinkjer the pelecypods *Thyasira* spp., *Abra alba*, and *A. nitida* occur in high numbers. This can be due to the mechanical properties of the sediment which is unusually tough.

Verrabotn (Stations VB 1-2, Tables 31-32, Figs. 28-29)

In this fjord it is difficult to find level-bottom suited for sampling. The results indicate a fauna with few species and individuals, the diversity is high.

Earlier investigations in Borgenfjorden (Holthe 1973, McClimans 1973, Strömgren 1973) have shown that the inner part of this land-locked basin is hypereutrophicated with following oxygen deficiency. This condition is caused by drainage from the surrounding agricultural areas and by the poor water exchange in the fjord. In Trondheimsfjorden probably only such land-locked basins are threatened by hypereutrophication.

For Trondheimsfjorden in general it must be concluded that the fauna is rich in species and individuals and controlled by natural competition; only locally - in basins with limited water exchange — effects of human activity can be traced.

ACKNOWLEDGEMENTS

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Table 2

List of taxa encountered:

PORIFERA

Porifera sp. indet.

ANTHOZOA

Anthozoa spp. indet.
Funiculina quadrangularis (Pallas)
Paradedwardsia arenaria Carlgren
Pennatula phosphorea Linnaeus
Stylatula elegans (Koren and Danielsen)
Virgularia mirabilis (Müller)

TURBELLARIA

Polycladia spp. indet.

NEMERTINI

Nemertini spp. indet.

POLYCHAETA

Amage auricula Malmgren, 1865
Ampharete finmarchica (Sars, 1856)
Ampharetidae spp. indet.
Ampharete sp.
Amphicteis gunneri (Sars, 1835)
Amphitrite cirrata Müller, 1771
Amphitritinae spp. indet.
Anobothrus gracilis (Malmgren, 1867)
Antinoella sarsi (Kinberg in Malmgren, 1865)
Aphrodita aculeata Linnaens, 1758
Aphroditidae sp. indet.
Artacama proboscidea Malmgren, 1866
Asychis biceps (Sars, 1861)
Brada villosa (Rathke, 1843)
Capitella capitata (Fabricius, 1780)
Capitellidae sp. indet.
Ceratocephale loveni Malmgren, 1867
Chaetozone setosa Malmgren, 1867
Cirratulus cirratus (Müller, 1776)
Cirratulidae sp. indet.
Dasybranchus caducus (Grube, 1846)
Diplocirrus glaucus (Malmgren, 1867)
Diplocirrus longosetosa (Marenzeller, 1890)
Ditrupa arietina (Müller,1776)
Driloneris filum (Claparede, 1868)
Eclysippe vanelli (Fauvel, 1936)
Eteoninae sp. indet.
Eteone sp.
Euchone papillosa (Sars, 1851)
Euchone rubrocincta (Sars, 1861)
Euclymeninae spp. indet.
Eulalia sp.
Eumida sp.
Eunice pennata (Müller, 1776
Flabelligeridae sp. indet.
Gattyana cirrosa (Pallas, 1776)
Genetyllis lutea (Malmgren, 1865)
Glycera alba (Müller, 1788)
Glycera capitata Ørsted, 1843
Glycera lapidum Quatrefages,1865
Glycera rouxii Audoin and Milne-Edwards, 1833
Glycera sp.
Glyphanostomum pallescens (Ehlers,1879)
Goniada maculata Ørsted, 1843
Goniada norvegica Ørsted, 1845
Harmothoe spp.
Hauchiella tribullata (McIntosh, 1869)
Hesionidae sp. indet.
Heteromastus filiformis (Claparède, 1864)
Heteroclymene robusta Arwidson 1906
Hyalinoecia tubicola (Müller, 1776)
Hydroides norvegica Gunnerus, 1768
Laetmonice filicornis Kinberg, 1855
Lanassa nordenskiøldi Malmgren, 1866
Lanassa venusta (Malm, 1874)
Laonice cirrata (Sars, 1851)
Laphania boecki Malmgren, 1866
Leanira tetragona (Ørsted, 1845)
Leiochone borealis Arwidson, 1906
Lumbrineris fragilis (Müller, 1776)
Lumbrineris sp.
Lumbriclymene minor Arwidson, 1906
Lysilla loveni Malmgren, 1866
Maldanidae spp.indet.
Maldane sarsi Malmgren, 1865
Melinna cristata (Sars, 1851
Microclymene tricirrata Arwidson. 1906
Myriochele sp.
Neoamphitrite affinis (Malmgren, 1866
Neoamphitrite edwardsi (Quatrefages, 1865
Neoamphitrite figulus (Dalyell,1853)
Neoamphitrite grayi (Malmgrer, 1865)
Neoamphitrite sp.
Nephtys caeca (Fabricius, 1780)
Nephtys ciliara (Müller, 1776)
Nephtys hombergi Savigny, 1818
Nephtys incisa Malmgren, 1865
Nephtys paradoxa Malm, 1874
Nephtys sp.
Nereimyra punctata (Müller, 1776)
Nereis virens Sars, 1835
Nereis sp.
Nicomache lumbricalis (Fabricius, 1780)
Notoria conchylega (Sars, 1835)
Notomastus latericeus Sars, 1851
Onuphis quadricuspis Sars, 1872
Ophelina acuminata Ørsted, 1843
Ophelina norvegica Stæp-Hovitz,1946

Opnelina sp.
Ophiodromus flexuosus (Delle Chiaje, 1828
Owenia fusiformis Delle Chiaje, 1841
Panthalis oerstedi Kinberg, 1855
Paramphinome jeffreysi (McIntosh, 1868
Paraonis gracilis (Tauber, 1879
Pectinaria agricoma (Müller, 1776)
Pectinaria belgica (Pallas, 1766)
Pectinaria koreni (Malmgren, 1866)
Pherusa plumosa (Müller, 1776)
Pholoe minuta (Fabricius, 1780)
Phyllodocidae spp. indet.
Phyllodoce laminosa Savigny, 1818
Phylo kupfferi (Ehlers, 1874
Phylo norvegicus (Sars, 1872)
Pista cristata (Müller, 1776)
Polychaeta spp. indet.
Polycirrus medusa Grube, 1850
Polycirrus sp.
Polydora sp.
Polymnia nebulosa (Montagu, 1818)
Polynoidae spp. indet.
Polynoe kinbergi (Malmgren, 1865)
Polyphysia crassa (Ørsted, 1843)
Praxillella gracilis (Sars, 1861)
Praxillella praetermissa (Malmgren, 1865)
Prionospio cirrifera Wirén, 1883
Prionospio malmgreni Claparède, 1870
Pygospio elegans Claparède, 1863
Rhodine gracilior Tauber, 1879
Rhodine loveni Malmgren, 1866
Rhodine sp.
Sabellides borealis Sars, 1856
Sabellides octocirrata Sars, 1835
Sabella penicillus Linnaeus, 1767
Sabellidae spp. indet.
Samytha sexcirrata (Sars, 1856)
Scalibregma inflatum Linnaeus, 1767
Scoloplos armiger (Müller, 1776)
Sphaerodorum gracilis (Rathke, 1843)
Spio filicornis (Müller, 1776)
Spiochaetopterus typicus Sars, 1856
Spionidae spp. indet.
Spiophanes krøyeri Grube, 1860
Streblosoma bairdi (Malmgren, 1866)
Streblosoma intestinalis Sars, 1872
Syllidae spp. indet.
Terebellidae spp. indet.
Terebellides stroemi Sars, 1835
Tharyx marioni (Saint-Joseph, 1894)
Thelepus cincinnatus (Fabricius, 1780)
Thelepinae spp. indet.
Trichobranchus roseus (Malm, 1874)
Trochochaeta multisetosa (Ørsted, 1844)
Typosyllis cornuta (Rathke, 1843)

SIPUNCULIDA

Onchnesoma squamatum (Koren and Danielsen, 1875)
Onchnesoma steenstrupi Koren and Danielsen, 1875
Phascolion strombi (Montagu, 1804
Phascolosoma spp.
Sipunculida spp. indet.

CRUSTACEA

Amphipoda spp. indet.
Balanus balanus (Linnaeus)
Calocharis macandreae Bell 1846
Carcinus maenas (Linnaeus, 1758)
Cumacea spp. indet.
Galathea sp.
Geryon tridens Krøyer, 1837
Gnathia oxyraea (Lilljeborg)
Hyas coarctatus Leach, 1815
Macropipus depurator (Linnaeus, 1758)
Paguridae spp. indet.

PYCNOGONIDA

Nymphon sp.
Pycnogonida sp. indet.

CAUDOFOVEATA

Chaetoderma nitidulum Lovén

POLYPLACOPHORA

Acanthochiton fascicularis (Linnaeus)
Lepidopleurus alveolus (Sars)

GASTROPODA

Actaeon tornatilis (Linnaeus, 1766
Admete viridula (Fabricius, 1780)
Alvania abyssicola (Forbes, 1853)
Aporrhais pespelecani (Linnaeus, 1758)
Balcis sp.
Buccinum humphreysianum Bennett, 1824
Buccinum undatum (Linnaeus, 1758)
Buccinum sp.
Cylichna alba (Brown, 1827)
Cylichna cylindracea (Pennant, 1777)
Eumila stenostoma Jeffreys, 1858
Eumilella acillae (Scacchi, 1836)
Iothia fulva (Müller, 1776)
Clelandella miliaris (Brocchi, 1814)
Lepeta caeca (Müller, 1776)
Lunatia intermedia (Philippi, 1836)
Lunatia pallida (Broderip & Sowerby, 1829)
Menestho divisa (J.Adams, 1797)

Nassarius reticulatus (Linnaeus, 1758)
Natica clausa Broderip & Sowerby, 1829
Natica sp.
Neptunea despecta (Linnaeus, 1758)
Odostomia unidentata (Montagu, 1803)
Oenopota elegans (Møller, 1842)
Okenia pulchella (Morlet, 1880)
Philine quadrata (Wood, 1839)
Philine scabra (Müller, 1776)
Philine sp.
Retusa umbilicata (Montagu, 1803)
Scaphander lignarius (Linnaeus, 1766)
Scaphander punctostriatus (Mighels, 1841)
Skenea basistriata (Jeffreys, 1877)
Taranis moerchi (Malm, 1863)
Trichotropis borealis Broderip & Sowerby, 1829
Trophonopsis barvicensis (Johnston, 1841)
Turitella communis Risso, 1826
Turridae sp. indet.
Velutina velutina (Müller, 1776)

PELECYPODA

Abra alba (Wood, 1802)
Abra nitida (Müller, 1776)
Acanthocardia echinata (Linnaeus, 1758)
Arctica islandica (Linnaeus, 1767)
Astarte elliptica (Brown, 1827)
Astarte montagui (Dillwyn, 1817)
Astarte sulcata (da Costa, 1778)
Astarte sp.
Bathyarca pectunculoides (Scacchi, 1834)
Cardiidae spp. indet.
Chlamys islandica (Müller, 1776)
Chlamys sulcata (Müller, 1776)
Corbula gibba (Olivi, 1792)
Cuspidaria rostrata (Spengler,1793)
Cuspidaria sp.
Dosina lupinus (Linnaeus)
Ennucula tenuis (Montagu, 1818)
Gari fervensis (Gmelin, 1791)
Heteranomia squamula (Linnaeus, 1758)
Hiatella arctica (Linnaeus, 1767)
Kellia suborbicularis (Montagu, 1803)
Kellia sp.
Kelliella miliaris (Philippi, 1844)
Limatula sp.
Limatula sulcata (Brown, 1827)
Lucinoma borealis (Linnaeus, 1767)
Macoma calcarea (Gmelin, 1790)
Malletia obtusa Sars, 1869
Modiolus modiolus (Linnaeus, 1758)
Modiolula phaseolina (Philippi, 1844)
Monia squama (Gmelin, 1791)
Montacuta ferruginosa (Montagu, 1808)
Montacuta tenella Lovén, 1846
Montacuta sp.
Musculus niger (Gray, 1824)
Mya arenaria Linnaeus, 1758
Mya sp.
Myselia bidentata (Montagu, 1803)
Mysia undata (Pennant, 1777)
Mytilus edulis Linnaeus, 1758
Nuculana minuta (Müller, 1776)
Nuculana pernula (Müller, 1779)
Nucula nucleus (Linnaeus, 1758)
Nucula tumidula Malm, 1860
Nucula sp.
Palliolum furtivum (Lovén, 1846)
Palliolum vitreum (Gmelin, 1791)
Parvicardium minimum (Philippi, 1836)
Parvicardium ovale (Sowerby, 1840)
Pectinidae sp. indet.
Phaxas pellucidus (Pennant, 1777)
Pseudamussium septemradiatum (Müller, 1776)
Similipecten similis (Laskey, 1811)
Spisula elliptica (Brown, 1827
Spisula sp.
Teredo sp.
Thracia myopsis (Beck)Møller, 1842
Thracia sp.
Thyasira spp.
Tropidomyra abbreviata (Forbes, 1843)
Venus casina Linnaeus, 1758
Yoldiella sp.

SCAPHOPODA

Dentalium entale Linnaeus
Dentalium occidentale Stimpson
Dentalium sp.
Entalina quinquangularis (Forbes)

PHORONIDA

Phoronis mülleri
Phoronis sp.

ASTEROIDEA

Asteroidea spp. indet.
Astropecten irregularis (Pennant)
Ctenodiscus crispatus (Bruz)
Psilaster andromeda (Müller and Trosch.)

OPHIUROIDEA

Amphilepis norvegica Ljungman
Amphiura borealis (G.O.Sars)
Amphiura chiajei Forbes
Amphiura filiformis (Müller)
Amphiura sp.
Ophiopholis aculeata (Müller)
Ophiura affinis Lütken
Ophiura albida Forbes
Ophiura carnea Sars
Ophiura robusta Ayres
Ophiura sarsi Lütken
Ophiura texturata
Ophiura sp.
Ophiuroidea spp. indet.

ECHINOIDEA

Brisaster fragilis (Düben and Koren)
Brissopsis lyrifera (Forbes)
Echinocardium cordatum (Pennant)
Echinocardium flavescens (Müller)
Echinocyamus pusillus (Müller)
Regularia sp. indet.
Spatangus purpureus Müller

HOLOTHUROIDEA

Cucumaria elongata Düben and Koren
Echinocucumis hispida (Barret)
Holothuroidea spp. indet.

TUNICATA

Asidia conchilega Müller, 1776
Ascidia sp.
Molgula kiaeri Hartmeyer, 1901
Pelonaia corrugata Forbes and Goodsir, 1841

Tables 3-32. Species lists and quantitative results for the stations. For each taxon and cruise mean number of individuals per 0.1 m^2 ($\bar{x}$) and standard deviation (s) are given. There are nine degrees of freedom. For each cruise the indices of diversity (λ, H and d) and sampling efficiency (S) are given.

Table 33. Values of the coefficients of similarity (cc and cz).

Table 3. Station OF 1, 20 m

	1972 JUNE		1972 OCT.		1973 JUNE		1973 OCT.		1974 JUNE		1974 OCT.	
	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s
Paraedwardsia arenaria							0.4	0.70			0.3	0.67
Chaetoderma nitidulum			0.1	0.32	0.2	0.63	0.1	0.32	Not sampled.			
Amphipoda indet.	2.3	5.17									0.2	0.42
Lunatia intermedia											0.5	0.71
Nassarius reticulatus	0.4	0.70										
Natica sp.											0.1	0.32
Nemertini indet.			0.4	0.84	0.1	0.32	0.2	0.42			0.2	0.42
Ampharetidae indet											0.1	0.32
Anaitides sp.	0.1	0.32	0.6	0.52	0.3	0.48					0.7	0.82
Capitellidae indet.					0.1	0.32						
Ceratocephale loveni					0.1	0.32						
Chaetozone setosa			0.5	0.71	0.1	0.32					0.1	0.32
Cirratulus cirratus			7.9	8.12	1.6	3.50	5.3	7.36				
Diplocirrus glaucus			0.5	0.97								
Eteone sp.	0.5	0.71										
Euclymeninae indet.			0.1	0.32								
Glycera alba	0.5	0.71			0.2	0.42	0.2	0.63			0.3	0.48
Glycera lapidum			0.6	0.84	0.1	0.32						
Goniada maculata	2.7	3.20	0.3	0.48	0.5	0.71	0.5	0.71			0.5	0.71
Heteromastus filiformis			0.7	0.82	0.2	0.42	0.3	0.48			2.3	3.09
Lumbrineris fragilis	0.1	0.32	0.1	0.32	0.2	0.42	0.2	0.42			0.5	0.71
Maldane sarsi			0.1	0.32	0.3	0.95						
Myriochele sp.	0.3	0.48			0.2	0.63						
Nephtys caeca	0.2	0.42										
Nephtys ciliata					0.2	0.63	0.9	0.99			2.3	2.11
Nephtys hombergi			0.3	0.48	0.6	0.84	0.1	0.32			0.2	0.42
Nephtys paradoxa					0.1	0.32						
Nereis sp.							0.2	0.42				
Owenia fusiformis			0.1	0.32								
Pectinaria auricoma	0.4	0.52									0.2	0.42
Pectinaria koreni	0.3	0.67	2.0	2.05	0.2	0.42	0.4	0.70				
Pholoe minuta	3.1	3.87	1.2	1.23	1.7	1.42	1.0	0.94			1.6	1.26
Phyllodocidae indet.							0.1	0.32			0.1	0.32
Polynoidae indet.							0.1	0.32				
Pygospio elegans	0.2	0.63										
Scoloplos armiger	41.8	38.06	35.9	16.60	30.8	14.59	30.0	11.65			69.2	25.51
Sphaerodorum gracilis											0.1	0.32
Spio filicornis	0.1	0.32			0.2	0.63						
Mytilus edulis	0.3	0.48	0.3	0.95			0.1	0.32				
Parvicardium ovale											0.1	0.32
Parvicardium scabrum											0.1	0.32
Thyasira sp.			0.4	0.70	0.4	0.70	0.2	0.42			0.7	0.82
Phoronis mülleri	0.4	0.70										
Diversity: λ	0.39		0.50		0.35		0.43				0.38	
Diversity: H	1.01		1.23		1.00		1.05				1.12	
Diversity: d	2.55		2.88		3.53		2.83				5.33	
Sampling efficiency:	$0.985 < S < 1$		$0.979 < S < 1$		$0.96 < S < 1$		$0.973 < S < 1$				$0.983 < S < 1$	

Table 4. Station OF 2, 50 m

	1972 JUNE		1972 OCT.		1973 JUNE		1973 OCT.		1974 JUNE		1974 OCT.	
	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s
Chaetoderma nitidulum			0.3	0.67								
Amphipoda indet.	0.3	0.67							0.8	2.20	0.1	0.32
Carcinus maenas			0.1	0.32								
Macropipus depurator			0.2	0.63								
Paguridae indet.			0.1	0.32								
Buccinum sp.			0.2	0.42								
Lunatia intermedia			0.2	0.42							0.2	0.42
Lunatia montagui			0.2	0.42					0.1	0.32		
Nemertini indet.							0.1	0.32	0.5	0.53	0.3	0.67
Ophiura sp.			0.4	0.97								
Anaitides sp.	0.1	0.32	0.4	0.97	0.4	0.70			0.7	0.67	0.5	0.53
Capitella capitata									0.1	0.32		
Chaetozone setosa	0.2	0.42	1.1	1.10	1.6	1.78	0.5	0.71	2.3	1.77	0.1	0.32
Cirratulus cirratus			1.3	2.98			11.9	13.30	0.1	0.32	1.1	0.99
Eteone sp.	4.5	4.40										
Glycera alba									2.2	1.69	1.7	0.82
Glycera capitata					0.4	0.70	0.6	0.84			0.1	0.32
Glycera lapidum	3.1	3.35	1.7	2.06								
Goniada maculata	0.3	0.48							0.1	0.32		
Hesionidae indet.									0.1	0.32		
Heteromastus filiformis	40.4	42.85	1.77	1.77	7.7	6.15	7.7	9.55	9.2	7.44	12.6	7.53
Lumbrineris fragilis			0.2	0.42	0.3	0.67			0.1	0.32	0.2	0.42
Melinna cristata											0.1	0.32
Myriochele sp.	0.2	0.42	0.4	0.70	0.1	0.32	0.3	0.48	0.6	0.70	0.2	0.42
Nephtys hombergi	0.1	0.32	0.2	0.42			0.1	0.32				
Nereis sp.			0.1	0.32								
Ophelina acuminata							0.1	0.32	0.1	0.32	0.1	0.32
Ophiodromus flexuosus							0.6	0.70				
Paramphinome jeffreysi			0.1	0.32								
Pectinaria auricoma					0.1	0.32						
Pectinaria koreni			0.8	1.62	0.1	0.32			0.5	0.71	0.7	1.64
Pholoe minuta	0.8	1.03	0.9	0.88			1.4	0.84	0.8	1.14	1.3	1.34
Phyllodocidae indet.					0.2	0.42	0.3	0.67			0.7	0.82
Prionospio malmgreni			0.1	0.32								
Scoloplos armiger	60.1	30.76	24.7	14.92	10.7	3.53	36.5	9.98	23.5	7.60	51.4	12.45
Macoma calcarea									0.1	0.32		
Mytilus edulis			0.2	0.63					0.4	1.26		
Thyasira sp.	2.1	2.42	0.4	0.97	0.1	0.32	0.1	0.32			1.1	1.52
Diversity: λ	0.58		0.52		0.63		0.58		0.64		0.47	
Diversity: H	1.10		1.47		1.26		1.20		1.53		1.08	
Diversity: d	1.57		3.91		1.86		1.88		3.14		2.58	
Sampling efficiency:	$0.994 < S < 1$		$0.969 < S < 1$		$0.958 < S < 1$		$0.985 < S < 1$		$0.962 < S < 1$		$0.985 < S < 1$	

Table 5. Station OF 3, 100 m

	1972				1973				1974			
	JUNE		OCT.		JUNE		OCT.		JUNE		OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Chaetoderma nitidulum							0.1	0.32				
Amphipoda indet.	0.2	0.42	0.2	0.42	0.2	0.42	0.4	0.52	0.3	0.67		
Carcinus maenas			0.1	0.32								
Brisaster fragilis					0.1	0.32						
Echinocardium cordatum					0.2	0.42						
Buccinum undatum									0.1	0.32		
Lunatia montagui			0.3	0.67								
Philine quadrata			0.1	0.32								
Nemertini indet.			0.1	0.32	0.1	0.32	0.1	0.32			0.2	0.42
Ophiura sp.			0.1	0.32								
Anaitides sp.			0.1	0.32			0.1	0.32	0.8	0.79	0.5	0.97
Chaetozone setosa	2.2	2.25	0.6	0.84			1.8	1.55	1.8	1.75	2.0	2.58
Cirratulus cirratus											0.1	0.32
Eteone sp.	0.5	0.53										
Glycera alba									1.1	1.10	0.5	0.53
Glycera capitata	0.2	0.63										
Glycera lapidum			0.2	0.63								
Goniada maculata			0.2	0.42			0.1	0.32				
Goniada norvegica									0.1	0.32		
Nesionidae indet.											0.1	0.32
Heteromastus filiformis	1.0	1.25	1.6	1.71	0.6	0.70	3.2	2.53	1.9	1.91	1.9	1.85
Lumbrineris sp.									0.1	0.32		
Maldane sarsi							0.6	1.26				
Nephtys ciliata	0.3	0.67	0.5	0.97	0.1	0.32	0.1	0.32	0.7	0.48	0.5	0.97
Nephtys hombergi	0.1	0.32			0.2	0.42	0.1	0.32	0.2	0.42		
Nephtys incisa			0.1	0.32					0.1	0.32		
Nephtys paradoxa	0.4	0.70	0.2	0.42	0.1	0.32	0.3	0.48			0.2	0.63
Nereimyra punctata	0.1	0.32	0.1	0.32	0.1	0.32					0.3	0.48
Ophelina acuminata									0.1	0.32		
Paramphinome jeffreysi	0.1	0.32	0.1	0.32								
Pectinaria auricoma					0.1	0.32			0.1	0.32		
Pectinaria koreni	0.1	0.32	0.1	0.32	0.2	0.42					0.2	0.42
Pholoe minuta	6.4	5.17	0.5	0.85			0.8	1.03	1.8	1.03	0.7	1.06
Phyllodocidae indet.							0.2	0.63	0.2	0.42	0.1	0.32
Polynoidae indet.			0.1	0.32								
Polyphysia crassa							0.1	0.32				
Praxillella praetermissa	0.2	0.42	0.4	0.70								
Scoloplos armiger	5.5	5.04	9.2	5.07	11.9	9.63	15.2	6.37	31.7	11.20	9.9	6.28
Spionidae indet.			0.2	0.63					0.1	0.32		
Montacuta tenella					0.1	0.32						
Thyasira sp.	5.8	5.25	4.6	4.58	8.4	7.89	21.4	13.45	20.3	14.97	26.2	21.38
Diversity: λ	0.80		0.72		0.58		0.65		0.62		0.58	
Diversity: H	1.83		1.83		1.14		1.36		1.34		1.29	
Diversity: d	2.57		4.16		2.40		2.46		2.65		2.30	
Sampling efficiency:	0.960 <S <1		0.914 <S <1		0.937 <S <1		0.969 <S<1		0.977 <S <1		0.982 <S <1	

Table 6. Station OF 4, 200 m

	1972 JUNE		1972 OCT.		1973 JUNE		1973 OCT.		1974 JUNE		1974 OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Stylatula elegans					0.1	0.32						
Chaetoderma nitidulum					0.1	0.32						
Amphipoda indet.	0.5	1.27	0.1	0.32								
Nemertini indet.									0.6	0.52		
Anaitides sp.	0.1	0.32					0.1	0.32			Not sampled.	
Chaetozone setosa	1.3	1.95	0.2	0.63	1.7	3.33	0.4	0.70	2.4	2.17		
Diplocirrus glaucus					0.1	0.32						
Coniada maculata					0.1	0.32						
Harmothoe sp.							0.1	0.32				
Heteromastus filiformis	0.4	0.84										
Maldane sarsi					0.1	0.32						
Melinna cristata					0.1	0.32			0.5	0.71		
Nephtys ciliata	0.3	0.67										
Nephtys incisa							0.1	0.32				
Ophiodromus flexuosus	0.1	0.32										
Owenia fusiformis					0.1	0.32						
Phyllodocidae indet.			0.1	0.32								
Polychaeta indet.					0.5	1.08						
Scoloplos armiger							0.1	0.32				
Thyasira sp.	0.4	1.26			0.4	0.97						
Diversity: λ	0.78		0.83		0.71		0.79		0.49			
Diversity: H	1.64		1.04		1.63		1.39		0.84			
Diversity: d	1.75		1.44		2.57		1.92		0.56			
Sampling efficiency:	0.797 <S<1		0.575 <S<1		0.576 <S<1		0.150 <S<1		0.914 <S<1			

Table 7. Station BV 1, 20 m

	1972				1973			
	JUNE		OCT.		JUNE		OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Stylatula elegans					0.2	0.63		
Chaetoderma nitidulum	0.3	0.48	1.3	1.06	1.3	1.25	0.8	0.92
Amphipoda indet.	0.2	0.42					0.1	0.32
Cumacea indet.							0.1	0.32
Brisaster fragilis			0.1	0.32			0.1	0.32
Brissopsis lyrifera			0.1	0.32			0.1	0.32
Echinocardium cordatum					0.1	0.32		
Spatangus purpureus	0.1	0.32						
Aporrhais pespelicani					0.1	0.32		
Cylichna cylindracea					0.1	0.32		
Lunatia inermedia	0.1	0.32						
Lunatia montagui					0.1	0.32		
Philine quadrata	0.1	0.32						
Philine scabra			0.1	0.32				
Holothuroidea indet.	26.2	15.67			4.3	2.79	1.0	1.49
Nemertini indet.			0.1	0.32	0.4	0.52	0.3	0.48
Amphiura chiajei	5.0	3.23	7.6	4.09	16.8	3.19	2.9	2.23
Amphiura filiformis	0.8	1.40			1.6	1.43	0.3	0.48
Amphiura sp.			0.6	0.84			0.2	0.42
Ophiura albida	0.2	0.42	0.3	0.67				
Ampharetidae indet.					0.1	0.32		
Artacama proboscidea	0.1	0.32	0.3	0.48	0.7	0.67		
Chaetozone setosa	1.0	3.16						
Cirratulus cirratus	0.2	0.63						
Diplocirrus glaucus	0.3	0.48			0.1	0.32	0.1	0.32
Eteone sp.	0.1	0.32						
Euchone papillosa			0.1	0.32				
Glycera alba	1.2	1.14	0.9	0.74	0.9	0.99	0.9	0.99
Glycera lapidum			0.4	0.70				
Glycera rouxii	0.1	0.32						
Goniada maculata	2.4	2.37	1.1	0.99	3.8	1.81	0.5	1.27
Goniada norvegica							0.3	0.67
Hauchiella tribullata					0.1	0.32		
Lanassa venusta			0.2	0.42			0.5	0.71
Laonice cirrata	0.8	1.23	0.6	0.70	1.2	0.92	0.8	0.92
Lumbrineris fragilis	3.7	2.54	1.2	1.23	2.6	1.65	1.4	1.07
Lysilla loveni	0.2	0.42	0.1	0.32			0.5	0.85
Maldane sarsi	0.1	0.32	7.0	8.82	1.4	1.71	0.9	1.10
Melinna cristata	0.4	0.84			0.6	1.58	0.1	0.32
Myriochele sp.	2.1	2.81	0.5	0.85	0.4	0.70	0.1	0.32
Nephtys ciliata	0.3	0.67	0.4	0.84	0.4	0.70	0.7	0.67
Nephtys hombergi	0.2	0.42			0.4	0.70	0.4	0.52
Nephtys incisa	0.2	0.63	0.1	0.32				
Nereis sp.							0.1	0.32

Table 7. cont.

Table 9. cont.

	1972				1973				1974			
	JUNE		OCT.		JUNE		OCT.		JUNE		OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Owenia fusiformis			0.5	1.58	0.1	0.32						
Paramphinome jeffreysi	0.2	0.42	0.1	0.32								
Pectinaria belgica			0.1	0.32			0.1	0.32				
Pholoe minuta	3.4	9.05	0.2	0.63	0.1	0.32	0.3	0.48				
Phyllodocidae indet.							0.5	0.71				
Pista cristata			0.1	0.32								
Polymnia nebulosa							0.2	0.42				
Polynoidae indet.			0.2	0.42	0.1	0.32	0.3	0.67				
Polyphysia crassa	12.9	6.92	11.0	6.13	7.5	3.92	7.7	3.06				
Praxillella praetermissa			0.2	0.42	0.1	0.32						
Scoloplos armiger	1.5	2.84			0.2	0.42						
Streblosoma bairdi	3.2	1.62	2.9	3.25	2.6	1.51	2.5	2.22				
Syllidae indet.	0.1	0.32										
Trichobranchus roseus	0.2	0.42										
Cuspidaria sp.	0.1	0.32										
Kelliella miliaris			0.9	1.91								
Montacuta tenella					0.1	0.32	0.1	0.32				
Mya sp.	0.1	0.32			0.1	0.32						
Mytilus edulis			0.1	0.32								
Parvicardium minimum			0.3	0.48								
Thyasira sp.	10.4	9.61	27.1	13.60	23.4	13.36	20.9	8.63				
Phoronis mülleri			0.2	0.42								
Onchnesoma steenstrupi			0.2	0.42			0.1	0.32				
Diversity: λ	0.88		0.80		0.76		0.79					
Diversity: H	2.51		2.24		2.13		2.09					
Diversity: d	5.03		5.96		5.60		4.78					
Sampling efficiency:	0.973 <S<1		0.971 <S<1		0.963 <S<1		0.972 <S<1					

Table 10. Station TH 1, 50 m

	1972				1973				1974			
	JUNE		OCT.		JUNE		OCT.		JUNE		OCT.	
	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s
Paraedwardsia arenaria									0.1	0.32		
Virgularia mirabilis											0.1	0.32
Ctenodiscus crispatus											0.1	0.32
Chaetoderma nitidulum	1.0	1.25	0.6	0.84	0.9	0.99	0.1	0.32			0.2	0.42
Amphipoda indet.	0.8	1.40	2.4	1.65	0.3	0.67	1.3	0.82			0.8	1.03
Cumacea indet.	0.4	0.70	7.0	7.57	1.2	1.14	6.4	4.20	0.3	0.48	2.1	2.28
Galathea sp.			0.1	0.32								
Gnathia oxyraea					0.1	0.32						
Hyas coarctatus			0.2	0.42								
Macropipus depurator									0.1	0.32		
Echinocardium cordatum	0.2	0.42					0.1	0.32			0.2	0.42
Aporrhais pespelicani	0.4	0.70					0.3	0.48	0.2	0.63		
Cylichna cylindracea					0.3	0.95	0.1	0.32				
Lunatia montagui					0.1	0.32	0.1	0.32	0.1	0.32		
Philine quadrata	0.3	0.95					0.2	0.63	0.1	0.32		
Philine scabra			0.8	1.32	0.2	0.63						
Philine sp.	0.4	0.97										
Scaphander lignarius			0.1	0.32			0.1	0.32			0.1	0.32
Scaphander punctostriatus	0.1	0.32										
Taranis moerchi	0.2	0.63			0.1	0.32						
Velutina velutina									0.1	0.32		
Echinocucumis hispida					0.1	0.32						
Holothuroidea indet.			0.1	0.32	0.1	0.32	0.5	1.08	0.2	0.42	0.1	0.32
Nemertini indet.			1.3	0.82	0.9	0.57	1.4	0.84	0.4	0.70	1.0	0.67
Amphilepis norvegica					0.3	0.67			0.6	0.84		
Amphiura chiajei					0.2	0.42	0.2	0.42			0.2	0.42
Amphiura filiformis	0.1	0.32	0.3	0.48			0.1	0.32			0.4	0.52
Amphiura sp.			0.2	0.42	0.1	0.32						
Ophiura albida	0.7	0.67	0.3	0.48			1.2	0.79			0.1	0.32
Ophiuroidea indet.	0.5	0.85										
Ophiura sarsi			3.9	2.56	1.2	1.99					0.7	0.95
Ophiura sp.			0.9	1.10	1.5	1.96			0.2	0.42	0.5	0.53
Ophiura texturata			0.1	0.32								
Ampharete finmarchica			0.1	0.32			0.1	0.32				
Ampharetidae indet.	0.4	0.70	0.1	0.32			0.3	0.48			1.3	1.64
Amphicteis gunneri			0.1	0.32					0.1	0.32	0.1	0.32
Anaitides sp.	0.1	0.32	0.1	0.32			0.1	0.32	0.1	0.32	0.2	0.63
Anobothrus gracilis					0.4	0.70						
Aphrodita aculeata	0.2	0.42			0.1	0.32						
Artacama proboscidea							0.1	0.32	0.1	0.32		

Table 10. cont.

	1972				1973				1974			
	JUNE		OCT.		JUNE		OCT.		JUNE		OCT.	
	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s
Asychis biceps					0.2	0.42						
Brada villosa	0.3	0.48										
Chaetozone setosa	0.1	0.32			0.1	0.32			0.1	0.32	0.3	0.67
Cirratulus cirratus	0.2	0.63	0.3	0.67			0.3	0.67				
Dasybranchus caducus							0.1	0.32				
Diplocirrus glaucus	0.1	0.32	0.8	0.79	0.4	0.70	1.3	1.06	1.0	1.63	1.4	1.26
Eclysippe vanelli	0.1	0.32										
Euchone papillosa					0.1	0.32						
Euchone rubrocincta			0.5	1.27	0.2	0.63	0.1	0.32				
Euclymeninae indet.	0.2	0.42							0.1	0.32		
Eulalia sp.			0.1	0.32								
Eunice pennata					0.1	0.32						
Genethyllis lutea	0.2	0.42									0.3	0.48
Glycera alba							0.1	0.32	0.1	0.32	0.6	0.84
Glycera rouxii	0.5	0.71	0.2	0.42	1.2	0.63	0.9	1.10	0.9	0.74		
Glycera sp.			0.6	0.84								
Goniada maculata	0.6	0.70	0.5	0.71	0.7	0.95	1.0	1.05	0.5	0.71	0.4	0.70
Harmothoe sp.			0.2	0.42								
Heteromastus filiformis	0.7	0.82			0.7	1.49			0.2	0.42		
Hyalinoecia tubicola					0.1	0.32						
Laetmonice filicornis									0.1	0.32		
Lanassa venusta	0.1	0.32									0.1	0.32
Laonice cirrata	0.6	0.70	1.8	1.55			2.1	2.18	1.0	0.67	2.3	1.57
Laphania boecki	0.4	0.97			0.1	0.32	0.1	0.32	0.1	0.32		
Leanira tetragona			0.1	0.32								
Lumbrineris fragilis	0.6	0.52	0.4	0.70	0.6	0.70	0.3	0.48	0.6	0.84	0.3	0.48
Maldanidae indet.			0.1	0.32			0.2	0.63				
Maldane sarsi			0.4	0.97	0.3	0.67	1.2	1.62	0.3	0.95	0.6	0.84
Melinna cristata	35.1	17.65	6.5	4.95	68.5	19.28	3.1	2.18	8.5	4.22	15.0	14.24
Myriochele sp.	0.3	0.67	0.3	0.48	0.3	0.67	0.6	0.97	0.1	0.32	0.1	0.32
Nephtys ciliata	0.1	0.32	0.3	0.48			0.9	1.20	0.3	0.67		
Nephtys hombergi	0.8	1.14	0.1	0.32	0.1	0.32	0.1	0.32			0.3	0.48
Nephtys paradoxa			0.1	0.32							0.1	0.32
Nereimyra punctata			0.1	0.32			0.1	0.32	0.1	0.32		
Nereis sp.							0.1	0.32				
Notomastus latericeus	0.7	0.48	0.9	0.99	1.0	0.67	1.5	1.90	1.3	1.34	2.0	1.56
Ophelina norvegica			0.1	0.32								
Ophiodromus flexuosus	0.4	0.70	0.3	0.67	0.2	0.42	0.1	0.32			0.6	0.70
Owenia fusiformis	1.0	1.33	0.1	0.32	0.2	0.42	0.3	0.48	0.2	0.42		
Paramphinome jeffreysi	0.1	0.32										
Paraonis gracilis					0.1	0.32						
Pectinaria auricoma	1.3	2.11	0.6	1.26	0.4	0.70	0.3	0.48	0.4	0.52	0.2	0.42
Pectinaria koreni	0.9	1.60	0.9	0.88	0.5	1.08	0.6	0.84	0.2	0.42	0.1	0.32
Pholoe minuta	2.6	2.07	5.3	2.87	0.9	0.99	6.2	4.32	0.5	0.71	2.7	2.36
Phyllodocidae indet.					0.1	0.32	0.1	0.32			0.2	0.42
Pista cristata	0.8	1.03	1.1	0.88	0.4	0.70	0.8	1.14	0.1	0.32	1.3	1.06
Polycirrus medusa			0.1	0.32								
Polycirrus sp.									0.3	0.95		
Polynoidae indet.	0.1	0.32			0.1	0.32	0.1	0.32	0.4	0.70	0.3	0.48
Polyphysia crassa	0.5	1.08	0.3	0.48	0.4	0.97	0.4	0.70			0.1	0.32
Praxillella praetermissa			0.2	0.42								
Rhodine gracilior											0.1	0.32
Sabellides octocirrata			0.3	0.48								
Sabella penicillus			0.1	0.32	0.1	0.32						
Scalibregma inflatum			0.1	0.32								
Scoloplos armiger					0.1	0.32	0.1	0.32				

Table 10. cont.

	JUNE		OCT.		JUNE		OCT.		JUNE		OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Sphaerodorum gracilis			0.1	0.32	0.1	0.32	0.3	0.67	0.1	0.32		
Spionidae indet.			0.8	1.03	0.3	0.67	0.9	0.99			0.2	0.42
Streblosoma bairdi	0.5	0.85	0.9	0.74	0.2	0.63	1.0	1.70	0.4	0.70	1.0	0.94
Syllidae indet.	0.2	0.42	0.3	0.67	1.2	1.14	0.2	0.42	0.4	0.52	0.2	0.63
Terebellidae indet.	0.2	0.63										
Terebellides stroemi							0.2	0.63				
Thelepus cincinnatus	0.2	0.42	0.1	0.32	0.1	0.32	0.2	0.42	0.2	0.42	0.8	0.79
Trichobranchus roseus	0.2	0.42	0.3	0.67	0.1	0.32	1.4	1.17	0.2	0.42	0.6	0.70
Abra alba	0.3	0.67	0.2	0.42	2.2	2.57	6.8	3.33	9.8	6.39	3.6	1.65
Abra nitida	0.8	1.03	0.5	0.53	0.1	0.32	1.9	2.69	5.8	3.52	2.5	1.90
Arctica islandica					0.3	0.48						
Astarte sp.					0.1	0.32						
Astarte sulcata					0.2	0.42						
Bathyarca pectunculoides			0.1	0.32								
Cardiidae indet.	1.4	1.65										
Corbula gibba											0.1	0.32
Cuspidaria sp.	0.1	0.32			0.2	0.42						
Dosinia lupinus									0.1	0.32		
Ennucula tenuis	0.1	0.32					0.1	0.32				
Kellia sp.	0.1	0.32										
Kelliella miliaris			0.6	0.97	0.2	0.42						
Limatula sp.	0.3	0.95										
Limatula sulcata			4.1	3.21	1.5	1.58	0.7	1.06			1.2	1.32
Lucinoma borealis									0.1	0.32		
Macoma calcarea	0.1	0.32			0.1	0.32	0.1	0.32	0.1	0.32	0.1	0.32
Modiolula phaseolinus					0.2	0.42						
Monia squama									0.1	0.32		
Mysella bidentata			0.1	0.32								
Nuculana minuta					1.3	1.25	0.4	0.52	0.2	0.42		
Nuculana pernula									0.4	0.52		
Parvicardium minimum			1.7	1.25	0.2	0.42	1.2	1.32	0.3	0.67	0.7	0.67
Pseudamussium septemradiatum											0.2	0.63
Thyasira sp.	18.1	10.20	30.1	13.95	16.0	10.99	5.9	3.67	3.3	3.27	7.3	5.58
Tropidomya abbreviata					0.1	0.32						
Yoldiella sp.	0.7	0.95	2.2	2.15	6.1	5.15	0.5	0.85	0.6	0.97	1.1	1.52
Phoronis mülleri			0.1	0.32								
Dentalium entale			0.1	0.32								
Dentalium occidentale							0.1	0.32				
Onchnesoma steenstrupi	0.2	0.63	0.1	0.32	0.1	0.32					0.1	0.32
Phascolion strombi	0.8	0.92	0.1	0.32	0.3	0.48						
Molgula kiaeri							0.3	0.67				
Diversity: λ	0.75		0.85		0.64		0.94		0.88		0.90	
Diversity: H	2.29		2.81		1.93		3.32		2.76		3.00	
Diversity: d	8.84		10.38		9.76		10.06		8.77		8.35	
Sampling efficiency:	0.973 <S<1		0.956 <S<1		0.969 <S<1		0.944 <S<1		0.929 <S<1		0.962 <S<1	

Table 11. Station TH 2, 120 m

	1974 JUNE $\bar{X}$	s
Paraedwardsia arenaria	0.1	0.32
Stylatula elegans	0.1	0.32
Virgularia mirabilis	0.1	0.32
Chaetoderma nitidulum	0.4	0.52
Amphipoda indet.	0.4	0.52
Calocharis macandreae	0.8	0.63
Nemertini indet.	0.3	0.48
Amphilepis norvegica	2.7	2.26
Amphiura chiajei	0.3	0.48
Ophiura sp.	0.6	0.70
Asychis biceps	0.1	0.32
Chaetozone setosa	0.5	0.85
Euclymeninae indet.	1.2	1.32
Glycera alba	0.1	0.32
Lumbrineris fragilis	0.3	0.48
Melinna cristata	0.3	0.48
Nephtys incisa	1.0	0.67
Nephtys paradoxa	0.2	0.42
Onuphis quadricuspis	0.1	0.32
Phylo norvegicus	0.1	0.32
Pista cristata	0.1	0.32
Polychaeta indet.	0.2	0.63
Polyphysia crassa	0.4	0.70
Rhodine gracilior	0.1	0.32
Streblosoma bairdi	0.1	0.32
Thelepus cincinnatus	2.6	2.95
Limatula sulcata	0.2	0.63
Thyasira sp.	0.1	0.32
Onchnesoma steenstrupi	0.1	0.32
Diversity: λ	0.91	
H	2.74	
d	5.70	
Sampling efficiency:	0.859 <S<1	

Table 12. Station TH 3, 50 m

	1974 JUNE $\bar{x}$	s
Virgularia mirabilis	0.1	0.32
Amphipoda indet.	0.2	0.63
Calocharis macandreae	0.1	0.32
Brisaster fragilis	0.1	0.32
Holothuroidea indet.	1.4	1.17
Nemertini indet.	0.3	0.67
Amphilepis norvegica	0.1	0.32
Ophiura sp.	0.3	0.48
Asychis biceps	0.6	1.07
Dasybranchus caducus	0.2	0.42
Ditrupa arietina	0.1	0.32
Euchone rubrocincta	0.1	0.32
Euclymeninae indet.	0.1	0.32
Glycera rouxii	0.3	0.48
Leanira tetragona	0.3	0.48
Lumbrineris fragilis	0.1	0.32
Melinna cristata	54.9	13.67
Myriochele sp.	0.4	0.52
Nephtys incisa	0.1	0.32
Nothria conchylega	0.1	0.32
Pectinaria auricoma	0.1	0.32
Syllidae indet.	0.2	0.42
Thelepus cincinnatus	0.1	0.32
Astarte sulcata	1.0	0.82
Kelliella miliaris	0.1	0.32
Parvicardium minimum	0.1	0.32
Thyasira sp.	1.5	3.41
Porifera indet.	0.1	0.32
Dentalium entale	0.1	0.32
Diversity: λ	0.24	
H	0.76	
d	4.34	

Sampling efficiency: 0.962 <S<1

Table 13. Station SF 1, 200 m

	1972				1973			
	JUNE		OCT.		JUNE		OCT.	
	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	
Asteroidea indet.					0.1	0.32		
Psilaster andromeda					0.1	0.32		
Chaetoderma nitidulum	0.2	0.42			0.1	0.32	0.1	0.32
Amphipoda indet.	1.1	2.33	0.5	1.27	1.5	2.07		
Calocharis macandreae	0.7	0.67	0.6	0.70	0.6	0.52		
Philine scabra					0.1	0.32		
Nemertini indet.			0.4	0.52	0.6	0.84	0.3	0.48
Amphilepis norvegica	13.2	2.49	10.3	7.20	10.7	5.87		
Amphiura chiajei			0.1	0.32				
Ophiura sp.					0.1	0.32		
Ampharetidae indet.					0.1	0.32		
Asychis biceps	0.9	1.52	1.8	1.14	1.5	1.18	1.0	1.63
Chaetozone setosa			0.1	0.32	0.2	0.42	0.1	0.32
Dasybranchus caducus	0.3	0.48	0.2	0.63	0.3	0.48	0.6	0.70
Diplocirrus glaucus			0.3	0.48	0.1	0.32		
Diplocirrus longisetosa			0.1	0.32				
Euclymeninae indet.							0.1	0.32
Eunice pennata	0.1	0.32						
Heteromastus filiformis	0.7	1.57	0.1	0.32	0.1	0.32	0.3	0.48
Laonice cirrata	0.2	0.42						
Lumbrineris fragilis	3.1	2.51	1.2	1.23	1.9	2.28	1.8	1.23
Melinna cristata					1.7	3.50	0.1	0.32
Nephtys ciliata	0.1	0.32						
Nephtys incisa	0.2	0.42			0.4	0.70	0.4	0.52
Nephtys paradoxa	0.1	0.32			0.1	0.32		
Onuphis quadricuspis			0.1	0.32				
Ophelina norvegica	0.3	0.48			0.3	0.48	0.1	0.32
Paramphinome jeffreysi	0.2	0.42	0.1	0.32				
Panthalis oerstedi	0.1	0.32	0.1	0.32				
Pholoe minuta					0.1	0.32		
Phyllo norvegicus	0.5	0.71	1.0	0.82	0.8	1.03	0.6	0.52
Pista cristata	0.1	0.32						
Polycirrus sp.	0.3	0.48						
Polynoidae indet.	0.1	0.32						
Polyphysia crassa	0.3	0.95	0.5	0.71	0.3	0.48	0.5	0.85
Rhodine loveni	1.4	1.78	0.6	0.70	0.7	0.67	0.5	0.53
Sabellidae indet.			0.3	0.67				
Scoloplos armiger	0.1	0.32	0.1	0.32			0.1	0.32
Terebellides stroemi	0.2	0.42					0.1	0.32

Table 13. cont.

	1972 JUNE $\bar{X}$	1972 JUNE s	1972 OCT. $\bar{X}$	1972 OCT. s	1973 JUNE $\bar{X}$	1973 JUNE s	1973 OCT. $\bar{X}$	1973 OCT. s
Abra alba					0.1	0.32		
Abra nitida			0.2	0.42	0.1	0.32		
Cuspidaria sp.	0.1	0.32						
Kelliella miliaris			0.3	0.48	0.1	0.32	0.1	0.32
Malletia obtusa					0.1	0.32		
Nucula sp.	0.1	0.32						
Nucula tumidula			0.1	0.32	0.1	0.32		
Thyasira sp.	0.6	0.70	1.4	1.84	0.3	0.48		
Tropidomya abbreviata			0.2	0.42				
Yoldiella sp.	0.3	0.48	0.1	0.32	0.3	0.95		
Dentalium occidentale					0.1	0.32		
Entalina quinquangularis			0.2	0.42	0.6	0.97		
Onchnesoma steenstrupi	2.2	1.87	2.1	1.29	2.8	1.87	0.9	1.20
Phascolosoma sp.	2.0	2.21	0.1	0.32				
Diversity: λ	0.78		0.78		0.81		0.90	
Diversity: H	2.24		2.25		2.41		2.47	
Diversity: d	5.09		5.14		5.89		3.91	
Sampling efficiency:	0.946 <S<1		0.922 <S<1		0.911 <S<1		0.805 <S<1	

Table 14. Station SF 2, 100 m

	1972				1973				1974			
	JUNE		OCT.		JUNE		OCT.		JUNE		OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Stylatula elegans	0.1	0.32										
Chaetoderma nitidulum	0.6	0.84	0.4	0.97	0.2	0.42	0.1	0.32			0.2	0.42
Amphipoda indet.	1.2	1.32	0.7	0.67	1.1	1.60	0.1	0.32			0.6	0.84
Calocharis macandreae	0.4	0.52	0.4	0.52	0.3	0.48	0.7	0.95			0.9	0.74
Cumacea indet.			0.3	0.67	0.3	0.67						
Brisaster fragilis							0.1	0.32				
Echinocyamus pusillus					0.1	0.32						
Alvania abyssicola					0.3	0.48						
Philine scabra							0.1	0.32				
Philine sp.	0.2	0.42										
Nemertini indet.			0.6	0.97	0.3	0.48	0.1	0.32			0.2	0.42
Amphilepis norvegica	4.0	4.90	2.1	2.28	3.1	3.11	0.2	0.63			0.2	0.63
Amphiura borealis											3.3	6.45
Amphiura chiajei	3.9	3.98	2.9	1.79	0.2	0.42	2.8	2.35			2.8	1.99
Amphiura filiformis							0.5	1.08			0.3	0.67
Amphiura sp.			0.5	0.85	0.3	0.95						
Ophiura albida			0.4	0.97							0.1	0.32
Ophiura sarsi	0.2	0.42			0.8	1.03						
Ophiura sp.	1.2	1.87	1.3	1.95			0.3	0.67			0.4	0.52
Ampharetidae indet.					0.1	0.32	0.3	0.48				
Amphicteis gunneri					0.1	0.32					0.1	0.32
Asychis biceps	0.3	0.48	0.4	0.52	0.6	1.07	0.9	1.10			0.4	0.70
Brada villosa					0.1	0.32					0.1	0.32
Ceratocephale loveni							0.1	0.32				
Chaetozone setosa	0.7	0.82	0.5	0.97			0.1	0.32				
Cirratulidae indet.	0.1	0.32										
Dasybranchus caducus			0.3	0.48	0.6	0.52	0.3	0.48				
Diplocirrus glaucus	0.8	1.03	0.8	1.14	0.2	0.42						
Eclysippe vanelli	0.3	0.67	0.1	0.32								
Euclymeninae indet.			0.1	0.32	0.2	0.63	0.2	0.42				
Eunice pennata							0.1	0.32				
Glycera alba											0.1	0.32
Glycera rouxii	0.3	0.48	0.1	0.32			0.2	0.42			0.1	0.32
Goniada maculata	0.4	0.52	0.1	0.32			0.2	0.63				
Heteromastus filiformis	0.6	0.84	0.1	0.32	0.2	0.63	0.1	0.32				
Laonice cirrata	0.1	0.32									0.1	0.32
Leiochone borealis	0.1	0.32			0.1	0.32						
Lumbrineris fragilis	1.3	0.95	1.2	0.92	0.8	0.63	0.1	0.32			0.4	0.70
Lumbriclymene minor	0.7	1.89										
Maldanidae indet.											0.1	0.32
Maldane sarsi	0.2	0.42	1.2	2.49								
Melinna cristata					0.1	0.32	0.1	0.32			0.1	0.32
Myriochele sp.	1.7	2.87	0.8	1.32								

Not sampled.

Table 14. cont.

	1972 JUNE		1972 OCT.		1973 JUNE		1973 OCT.		1974 JUNE		1974 OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	S	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Nephtys incisa					0.7	0.67					0.1	0.32
Nephtys paradoxa	0.3	0.48	0.7	0.95	0.4	0.52	0.1	0.32			0.1	0.32
Nephtys sp.											0.1	0.32
Nereis sp.					0.1	0.32						
Onuphis quadricuspis					0.4	0.70						
Ophelina acuminata	0.2	0.63							Not sampled.			
Ophelina norvegica					0.3	0.67					0.4	0.52
Ophiodromus flexuosus	0.1	0.32									0.1	0.32
Panthalis oerstedi											0.1	0.32
Paramphinome jeffreysi	0.1	0.32			0.1	0.32						
Pectinaria auricoma	0.2	0.42	0.1	0.32	0.2	0.42					0.1	0.32
Pholoe minuta	0.4	0.84			0.1	0.32						
Phylo norvegicus			0.3	0.67	0.3	0.67					0.6	0.97
Polynoidae indet.							0.3	0.48			0.2	0.42
Polyphysia crassa	0.1	0.32	0.5	0.85	0.3	0.48	0.3	0.48			0.3	0.67
Rhodine loveni					0.3	0.67					0.1	0.32
Scoloplos armiger	0.5	1.27										
Spionidae indet.					0.1	0.32						
Spiophanes krøyeri	0.3	0.67										
Thelepinae indet.											0.1	0.32
Abra alba											0.5	0.97
Abra nitida	1.0	1.25	6.0	3.68	4.5	2.76	0.8	1.32			7.5	8.92
Astarte sulcata			0.1	0.32			0.2	0.42				
Bathyarca pectunculoides	0.9	0.88	0.5	0.71	0.3	0.48						
Cardiidae indet.	0.8	0.79										
Cuspidaria sp.	0.7	0.67	0.1	0.32								
Ennucula tenuis			0.1	0.32								
Kellia sp.	0.5	0.71										
Kelliella miliaris			3.5	3.81	0.6	0.97					0.1	0.32
Limatula sp.	0.1	0.32										
Limatula sulcata			0.1	0.32	0.4	0.52	0.2	0.42			0.2	0.63
Parvicardium minimum			0.4	0.52							0.2	0.42
Pseudamussium septemradiatum							0.1	0.32				
Thyasira sp.	4.5	2.92	11.5	11.00	6.5	5.15	0.2	0.42			2.2	3.68
Tropidomya abbreviata			0.5	0.71								
Yoldiella sp.	1.6	1.65	2.8	1.81	1.9	1.73					0.3	0.48
Phoronis sp.	0.7	1.34										
Dentalium entale			0.1	0.32								
Dentalium occidentale					0.2	0.63						
Entalina quinquangularis					0.6	0.84						
Onchnesoma steenstrupi	17.1	11.68	37.0	14.41	18.2	9.81	0.5	0.97			0.2	0.42
Diversity: λ	0.85		0.75		0.81		0.91				0.86	
Diversity: H	2.70		2.16		2.44		2.86				2.60	
Diversity: d	6.61		5.69		6.84		6.46				6.93	
Sampling efficiency:	0.970 <S<1		0.977 <S<1		0.964 <S<1		0.804 <S<1				0.895 <S<1	

Table 15. Station SD 1. 20 m

	1972				1973				1974			
	JUNE		OCT.		JUNE		OCT.		JUNE		OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Anthozoa indet.							0.1	0.32				
Paraedwardsia arenaria			0.1	0.32					0.1	0.32		
Virgularia mirabilis					0.1	0.32	0.3	0.48				
Asteroidea indet.			0.4	1.26	0.1	0.32						
Ctenodiscus crispatus	0.4	0.52	0.3	0.48	0.6	0.52	0.3	0.67	0.7	0.67	0.6	0.84
Chaetoderma nitidulum			0.5	0.71	1.3	1.89	1.2	1.40	0.4	0.97	0.1	0.32
Amphipoda indet.	1.4	1.43			0.1	0.32	0.2	0.42			0.1	0.32
Calocharis macandreae	0.1	0.32										
Cumacea indet.	0.1	0.32					0.1	0.32				
Brisaster fragilis	0.1	0.32	0.1	0.32								
Brissopsis lyrifera			0.1	0.32								
Echinocardium cordatum	0.2	0.42	0.1	0.32	0.9	0.74	0.1	0.32	0.3	0.67	0.3	0.48
Echinocyamus pusillus					0.1	0.32						
Actaeon tornatilis	0.1	0.32			0.2	0.42	0.1	0.32				
Aporrhais pespelicani	0.2	0.42	0.3	0.48					0.2	0.42		
Cylichna alba							0.1	0.32				
Cylichna cylindracea	0.2	0.42	0.2	0.42	1.0	0.82	0.2	0.42			0.2	0.42
Lunatia intermedia	0.1	0.32	0.1	0.32	0.1	0.32	0.1	0.32			0.1	0.32
Philine scabra					0.3	0.48	0.1	0.32				
Turitella communis	0.4	0.70			0.1	0.32	0.1	0.32				
Cucumaria elongata			0.1	0.32								
Holothuroidea indet.	0.9	1.45	0.4	0.70	1.2	1.14	2.9	2.85	1.3	0.95	0.3	0.48
Nemertini indet.			1.2	1.03	1.6	1.07	2.2	1.93	0.7	0.82	1.2	1.32
Amphilepis norvegica											0.3	0.48
Amphiura chiajei	3.2	1.99	6.4	2.37	4.0	3.02	3.3	2.26	2.9	1.73	5.9	2.60
Amphiura filiformis	3.0	2.21	1.6	0.97	4.5	2.32	3.2	2.15	1.4	1.17	2.6	1.96
Ophiura affinis									0.4	0.70		
Ophiura albida	3.0	1.63	1.6	1.07			0.3	0.95			0.2	0.42
Ophiura robusta					0.1	0.32						
Ophiura sarsi			0.1	0.32	0.3	0.67					0.1	0.32
Ophiura sp.					0.8	1.32	0.3	0.67	0.7	1.16		
Ophiura texturata			0.2	0.42					0.3	0.48		
Ampharetidae indet.	0.1	0.32			0.1	0.32						
Amphitrite cirrata			0.1	0.32					0.2	0.42	0.1	0.32
Anaitides sp.	0.6	0.70	0.2	0.42			0.1	0.32			0.2	0.42
Asychis biceps									0.1	0.32		
Capitellidae indet.									0.1	0.32		
Chaetozone setosa							0.1	0.32				
Diplocirrus glaucus	3.2	2.39	0.1	0.32	3.6	2.91	2.2	1.40	1.3	2.16	0.5	0.71
Eteone sp.			0.1	0.32								
Euchone papillosa							0.1	0.32				

Table 15. cont.

	1972				1973				1974			
	JUNE		OCT.		JUNE		OCT.		JUNE		OCT.	
	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s
Gattyana cirrosa			0.1	0.32								
Glycera alba	1.1	1.10	0.9	1.45	1.0	1.15	1.1	1.20	0.7	0.95	0.4	0.70
Glycera rouxii	0.3	0.95	0.8	1.03	1.2	1.40	1.7	1.77	0.7	0.67	1.4	0.97
Goniada maculata	2.3	2.31	0.7	0.48	3.3	2.71	2.9	1.10	1.5	1.72	0.7	0.82
Heteromastus filiformis	0.1	0.32										
Hydroides norvegica	0.1	0.32										
Lanassa nordenskiøldi									0.1	0.32		
Lanassa venusta	0.1	0.32										
Laonice cirrata	1.3	1.06	0.3	0.67	1.3	1.06	1.2	1.03	1.6	1.07	0.7	0.67
Lumbrineris fragilis	1.3	1.25	0.9	0.57	1.4	1.07	1.3	1.16	1.3	2.00	1.1	1.29
Lysilla loveni									0.1	0.32		
Maldane sarsi	11.8	6.43	12.7	10.45	27.3	27.12	25.9	24.46	17.5	10.38	5.5	3.37
Melinna cristata									0.6	0.70		
Myriochele sp.	11.0	6.48	5.0	5.98	4.3	3.86	7.7	8.99	1.6	0.84	1.2	1.40
Neoamphitrite grayi											0.1	0.32
Nephtys ciliata					0.1	0.32	0.2	0.42	0.1	0.32	0.1	0.32
Nephtys hombergi	0.4	0.52							0.1	0.32		
Nephtys incisa									0.1	0.32	0.1	0.32
Nephtys sp.			0.3	0.48								
Nereis virens							0.1	0.32				
Ophelina acuminata	0.1	0.32					0.1	0.32	0.1	0.32		
Ophelina sp.					0.1	0.32						
Ophiodromus flexuosus	0.2	0.42			0.1	0.32	0.2	0.42	0.1	0.32		
Owenia fusiformis	0.6	0.84			0.1	0.32	0.4	1.26				
Pectinaria auricoma	0.6	0.97			1.4	1.51	1.0	0.67	0.6	0.70	0.1	0.32
Pectinaria koreni	1.1	1.20	0.5	0.53	1.7	1.64	1.9	1.52	1.0	0.47		
Pholoe minuta												
Pista cristata							0.2	0.42	0.1	0.32		
Polycirrus sp.	0.1	0.32							0.1	0.32	0.1	0.32
Polymnia nebulosa					0.1	0.32						
Polynoidae indet.	0.1	0.32	0.1	0.32	0.2	0.42	0.3	0.48	0.1	0.32		
Polyphysia crassa	0.1	0.32			0.5	0.53	0.6	0.97				
Praxillella praetermissa	0.2	0.63	1.0	1.05	0.6	0.70	1.8	3.68	0.1	0.32	0.1	0.32
Sabella penincillus							0.1	0.32				
Scalibregma inflatum	0.1	0.32					0.2	0.63				
Scoloplos armiger	0.2	0.42	0.1	0.32	0.2	0.63	0.1	0.32				
Sphaerodorum gracilis	0.1	0.32										
Spio filicornis	0.1	0.32										
Spionidae indet.			0.2	0.42	0.2	0.42	0.4	0.52	0.9	0.99	0.6	0.52
Spiophanes krøyeri	1.2	1.03										
Streblosoma bairdi	0.2	0.63			0.2	0.42					0.1	0.32
Terebellidae indet.									0.1	0.32		
Terebellides stroemi	0.1	0.32	0.2	0.42	0.1	0.32			0.8	0.92	0.1	0.32
Trichobranchus roseus	0.3	0.67	0.1	0.32	0.7	0.82	1.0	0.82	1.4	1.51	0.8	1.23
Trochochaeta multisetosa					0.1	0.32						
Abra alba	0.1	0.32			39.9	27.22	24.3	30.83	2.7	4.06	1.0	1.49
Abra nitida	1.1	2.47	0.1	0.32	10.9	7.25	8.0	9.85	0.9	1.91	0.7	1.64
Acanthocardia echinata			0.1	0.32			0.3	0.48			0.3	0.67
Arctica islandica	1.3	0.82	1.0	0.82	2.3	1.16	0.7	0.67	0.1	0.32	0.6	0.70
Cardiidae indet.	0.9	1.10										
Corbula gibba	2.6	2.95	0.4	0.52	1.4	1.65	1.6	2.17	0.5	0.53	2.8	2.39
Cuspidaria sp.											0.1	0.32
Ennucula tenuis	0.1	0.32			0.2	0.63	0.3	0.67			0.2	0.42
Hiatella arctica	0.2	0.42	0.1	0.32								
Macoma calcarea	0.4	0.97							0.1	0.32		

Table 15. cont.

	1972 JUNE		1972 OCT.		1973 JUNE		1973 OCT.		1974 JUNE		1974 OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Musculus niger	0.4	0.70	0.4	0.70	0.2	0.42					0.2	0.42
Mya arenaria									0.2	0.42	0.6	0.70
Mya sp.	0.5	0.97	0.9	0.99								
Mysella bidentata	0.2	0.63			0.3	0.67	0.3	0.67				
Mytilus edulis									0.2	0.63		
Nuculana pernula							0.1	0.32				
Parvicardium minimum					2.1	1.66	0.8	0.79	0.5	0.71	0.2	0.42
Parvicardium scabrum			0.1	0.32								
Phaxas pellucidus					0.1	0.32						
Pseudamussium septemradiatum											0.1	0.32
Spisula elliptica											0.1	0.32
Thracia myopsis					0.4	0.70						
Thracia sp.	0.1	0.32			0.4	0.52	0.2	0.42	0.3	0.67	0.4	0.52
Thyasira sp.	2.6	3.06	1.0	1.25	14.1	8.09	6.7	7.29	4.6	7.38	3.3	6.29
Venus casina											0.1	0.32
Phoronis mulleri			0.2	0.42								
Dentalium entale			0.1	0.32					0.1	0.32	0.1	0.32
Onchnesoma steenstrupi	0.1	0.32					0.1	0.32				
Phascolion strombi	0.2	0.42	0.1	0.32	0.1	0.32	0.1	0.32	0.1	0.32		
Ascidia sp.	0.1	0.32										
Pelonaia corrugata	0.2	0.63										
Diversity: λ	0.92		0.87		0.86		0.88		0.87		0.93	
Diversity: H	3.15		2.77		2.62		2.79		2.91		3.07	
Diversity: d	9.73		8.25		7.87		8.40		8.45		7.79	
Sampling efficiency:	0.952 <S<1		0.933 <S<1		0.982 <S<1		0.977 <S<1		0.948 <S<1		0.935 <S<1	

Table 16. Station SD 2, 50 m

	1972				1973				1974			
	JUNE		OCT.		JUNE		OCT.		JUNE		OCT.	
	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s
Actinaria indet.			0.1	0.32								
Virgularia mirabilis	0.1	0.32			0.2	0.42						
Ctenodiscus crispatus	1.3	0.95	2.4	1.78	1.5	1.78	1.9	1.29	1.7	1.42	1.6	1.26
Chaetoderma nitidulum	0.4	0.52	0.1	0.32	0.2	0.42	0.9	1.29	0.1	0.32	0.2	0.42
Amphipoda indet.	0.1	0.32			0.1	0.32	0.1	0.32			0.1	0.32
Cumacea indet.	0.7	1.25	0.1	0.32	0.3	0.67	0.3	0.67				
Brisaster fragilis	0.1	0.32					0.3	0.48				
Brissopsis lyrifera	0.2	0.63	0.3	0.48	0.1	0.32						
Buccinum sp.			0.1	0.32								
Buccinum undatum	0.1	0.32										
Cylichna cylindracea	0.2	0.63	0.3	0.48								
Lunatia intermedia							0.1	0.32				
Lunatia pallida									0.6	0.70		
Natica sp.					0.1	0.32						
Philine scabra	0.2	0.63	0.2	0.63	0.1	0.32						
Holothuroidea indet.	0.5	1.27			0.5	0.85	0.4	0.70	0.2	0.42	0.5	0.71
Nemertini indet.			1.2	0.92	0.7	0.82	1.4	1.07	0.4	0.52	0.8	0.79
Amphilepis norvegica					0.5	1.27						
Amphiura chiajei	0.3	0.48	0.3	0.67	0.7	0.95	0.7	1.57	1.4	1.78	0.6	0.70
Amphiura filiformis	0.2	0.42	0.1	0.32			0.4	0.70	0.9	0.74	0.4	0.70
Ophiura albida							0.1	0.32				
Ophiura sarsi			0.1	0.32			0.1	0.32	0.1	0.32		
Ophiura sp.									0.1	0.32		
Ampharetidae indet.							0.1	0.32				
Anaitides sp.	0.5	1.27					0.1	0.32				
Anobothrus gracilis			0.1	0.32								
Artacama proboscidea									0.1	0.32		
Capitellidae indet.									0.1	0.32		
Ceratocephale loveni	0.3	0.95							0.2	0.42		
Chaetozone setosa							0.1	0.32				
Cirratulidae indet.							0.1	0.32				
Diplocirrus glaucus	9.0	6.78	6.2	3.05	3.1	2.08	3.3	3.27	1.2	1.23	0.7	1.06
Euchone papillosa							0.1	0.32				
Euclymeninae indet.											0.1	0.32
Glycera alba	0.2	0.63			0.4	0.84	1.6	1.35	1.4	1.43		
Glycera rouxii	2.1	1.52	4.0	1.94	2.3	1.57	1.1	1.20	2.0	1.05	1.9	1.79
Goniada maculata	2.7	2.00	3.5	1.72	4.4	1.58	3.5	2.51	2.2	1.69	0.6	1.35
Heteromastus filiformis	1.7	1.83			0.1	0.32	0.3	0.67	0.7	0.67		
Lanassa venusta							0.1	0.32				
Laonice cirrata	0.1	0.32	0.3	0.48	0.1	0.32	0.5	0.71	0.4	0.52		
Lumbrineris fragilis	0.4	0.70	0.1	0.32	0.2	0.42	0.8	1.03	0.3	0.48	0.2	0.42
Maldane sarsi	15.7	22.12	24.8	25.78	12.1	9.39	25.0	24.67	22.1	15.65	3.7	3.23

Table 16.cont.

	1972 JUNE		1972 OCT.		1973 JUNE		1973 OCT.		1974 JUNE		1974 OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Myriochele sp.	12.2	7.21	14.5	14.33	10.7	6.85	5.4	4.53	2.5	1.90	0.9	1.60
Neoamphitrite affinis							0.5	1.58				
Neoamphitrite grayi							0.5	1.27				
Nephtys ciliata	0.1	0.32			0.1	0.32						
Nephtys sp.			0.1	0.32								
Nereimyra punctata									0.1	0.32		
Ophiodromus flexuosus	0.1	0.32	0.3	0.67	0.1	0.32	0.2	0.42	0.1	0.32	0.2	0.42
Owenia fusiformis	0.5	0.71	0.2	0.63	2.6	2.46	0.4	0.70	0.3	0.48	0.3	0.95
Pectinaria auricoma	0.1	0.32	0.1	0.32	0.4	0.52	0.6	0.70	1.2	0.92	0.3	0.67
Pectinaria koreni	1.0	1.56	0.3	0.48	0.1	0.32	0.3	0.48	0.2	0.63	0.1	0.32
Pholoe minuta	1.4	1.17	1.6	0.97	0.8	0.63	0.8	1.62			0.5	0.71
Phyllodocidae indet.							0.1	0.32	0.1	0.32		
Polynoidae indet.	0.2	0.42	0.2	0.42			0.6	0.84			0.4	0.52
Polyphysia crassa	0.8	0.63	2.4	0.97	0.7	0.82	0.5	0.53	0.3	0.48	0.1	0.32
Praxillella gracilis	0.1	0.32	0.4	0.52			0.2	0.42	0.6	0.70		
Praxillella praetermissa	7.9	2.51	10.0	3.89	4.7	2.79	3.8	2.10	4.3	2.41	2.3	1.95
Rhodine gracilior	0.1	0.32					0.1	0.32				
Scalibregma inflatum											0.1	0.32
Scoloplos armiger									0.1	0.32		
Spionidae indet.							0.6	1.35	0.4	0.84	0.1	0.32
Spiophanes krøyeri	0.1	0.32	0.2	0.42								
Streblosoma bairdi									0.1	0.32		
Terebellidae indet.			0.1	0.32	0.1	0.32						
Terebellides stroemi							0.1	0.32				
Trichobranchus roseus	0.1	0.32							0.1	0.32		
Abra alba	5.5	3.75	7.5	3.34	50.6	24.18	72.5	33.75	57.7	18.35	27.8	8.51
Abra nitida	16.0	6.00	5.2	4.57	8.0	3.43	8.8	5.22	10.7	6.48	4.6	5.87
Arctica islandica					0.3	0.67	0.2	0.63				
Corbula gibba	0.5	0.53			0.2	0.42	0.6	0.84	0.3	0.48		
Ennucula tenuis	1.2	1.55			2.4	1.78	1.6	1.35	2.2	1.23	1.3	2.06
Macoma calcarea			0.1	0.32								
Montacuta sp.			0.3	0.67								
Montacuta tenella					0.2	0.63						
Mya arenaria					0.1	0.32	0.2	0.63				
Mysella bidentata	0.1	0.32	0.2	0.63	0.2	0.63	0.1	0.32				
Nuculana pernula	1.0	1.33	0.3	0.48	0.5	0.53	0.4	0.52	0.8	0.63	0.6	0.97
Parvicardium minimum					0.2	0.42	0.1	0.32			0.1	0.32
Parvicardium ovale			0.1	0.32								
Thyasira sp.	6.8	3.94	3.8	2.90	9.9	4.41	8.8	7.35	4.6	4.84	5.2	6.20
Phoronis mülleri	0.4	1.26	0.3	0.67								
Onchnesoma steenstrupi	0.6	0.52	0.1	0.32							0.2	0.42
Polycladia indet.			0.1	0.32								
Diversity: λ	0.90		0.87		0.79		0.73		0.74		0.73	
Diversity: H	2.69		2.50		2.23		2.09		2.02		2.08	
Diversity: d	6.57		6.15		5.64		6.97		5.62		4.73	
Sampling efficiency:	0.978 <S<1		0.975 <S<1		0.985 <S<1		0.985 <S<1		0.984 <S<1		0.975 <S<1	

Table 17. Station AP 1,50 m

	1974 JUNE $\bar{x}$	JUNE s	OCT. $\bar{x}$	OCT. s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$
Stylatula elegans			0.1	0.32							
Ctenodiscus crispatus	0.5	0.71	0.3	0.67							
Chaetoderma nitidulum	0.4	0.97	0.1	0.32							
Amphipoda indet.	0.1	0.32	0.2	0.63							
Cumacea indet.			1.5	2.27							
Brissopsis lyrifera	0.2	0.42									
Echinocardium cordatum	0.2	0.63	0.2	0.63							
Holothuridea indet.	0.3	0.48	0.2	0.63							
Nemertini indet.	0.2	0.42	0.2	0.42							
Amphilepis norvegica	0.6	1.07	0.1	0.32							
Amphiura chiajei	1.6	1.84	3.3	4.90							
Amphiura filiformis	1.5	2.01	8.5	5.48							
Amphiura sp.	0.1	0.32									
Ophiura albida	0.1	0.32	0.2	0.42							
Ophiura robusta			0.2	0.63							
Ophiura sarsi	0.2	0.42	0.1	0.32							
Ophiura sp.	1.9	2.38	0.1	0.32							
Amphitritinae indet.	0.1	0.32									
Anoborhrus gracilis	0.1	0.32									
Artacama proboscidea	0.4	0.52	1.0	0.94							
Chaetozone setosa	0.1	0.32									
Dasybranchus caducus			0.1	0.32							
Diplocirrus glaucus	5.3	3.74	0.7	1.06							
Glycera alba	0.1	0.32									
Glycera rouxii	1.6	0.97	1.7	1.06							
Goniada maculata	1.1	1.37	0.5	0.71							
Heteromastus filiformis	0.4	0.70	0.1	0.32							
Lumbrineris fragilis			0.1	0.32							
Maldane sarsi			1.3	2.79							
Myriochele sp.	18.4	12.04	17.7	15.56							
Nephtys incisa			0.1	0.32							
Ophiodromus flexuosus	0.1	0.32	0.3	0.48							
Owenia fusiformis	1.5	2.27	0.3	0.67							
Paramphinome jeffreysi	0.1	0.32									
Pectinaria auricoma	2.0	1.76	0.6	0.70							
Pectinaria belgica			0.2	0.42							
Pectinaria koreni	0.2	0.42	0.1	0.32							
Pholoe minuta	0.5	0.85	0.1	0.32							
Rhodine loveni	0.1	0.32	0.2	0.42							
Scalibregma inflatum	0.2	0.42	0.1	0.32							
Streblosoma bairdi	0.5	0.97	0.2	0.42							
Terebellidae indet.	0.1	0.32									
Terebellides stroemi	1.2	1.32	0.4	0.70							
Trichobranchus roseus	0.1	0.32	0.1	0.32							
Abra nitida	0.8	0.79	1.2	1.48							
Arctica islandica	0.2	0.42									
Astarte montagui	0.2	0.63	0.3	0.48							
Astarte sulcata	0.1	0.32									
Corbula gibba	0.2	0.42	0.7	1.06							
Cuspidaria sp.			0.1	0.32							
Ennucula tenuis	0.8	1.14	0.1	0.32							
Kellia suborbicularis			0.2	0.42							
Nuculana pernula	0.2	0.42	0.3	0.48							
Parvicardium minimum	1.1	0.99	1.3	0.95							
Thyasira sp.	1.7	2.54	3.1	2.69							
Yoldiella sp.	0.1	0.32									
Dentalium entale			0.5	0.71							
Sipunculida indet.	0.1	0.32									
Polycladia indet.	0.1	0.32	0.2	0.42							
Diversity: λ	0.83		0.83								
H	2.63		2.48								
d	7.62		7.27								
Sampling efficiency:	0.950 <S<1		0.953 <S<1								

Table 18. Station AP 2, 20 m

	1974 JUNE $\bar{x}$	JUNE s	OCT. $\bar{x}$	OCT. s
Ctenodiscus crispatus			0.2	0.42
Chaetoderma nitidulum	0.4	0.70		
Amphipoda indet.			0.2	0.42
Macropipus depurator			0.2	0.42
Lunatia intermedia			0.1	0.32
Cylichna cylindracea			0.2	0.42
Nemertini indet.	0.3	0.67	0.1	0.32
Amphiura chiajei	0.4	0.97		
Amphiura filiformis	0.3	0.95	0.8	1.14
Amphiura sp.			0.4	0.70
Ophiura affinis			0.1	0.32
Ophiura albida			0.3	0.67
Ophiura sp.			0.3	0.67
Ophiura texturata	0.1	0.32	0.2	0.42
Anaitides sp.			0.1	0.32
Aphrodita aculeata	0.1	0.32		
Chaetozone setosa			0.1	0.32
Diplocirrus glaucus	0.2	0.42		
Euchone papillosa			0.5	1.08
Glycera alba	0.1	0.32	0.4	0.70
Glycera capitata	0.1	0.32		
Glycera rouxii	0.2	0.42		
Heteromastus filiformis	0.2	0.63	0.3	0.95
Lanassa venusta			0.1	0.32
Maldane sarsi	11.9	21.96	25.6	57.10
Myriochele sp.	2.9	2.60	0.9	1.29
Nephtys ciliata			0.1	0.32
Ophelina acuminata			0.1	0.32
Ophiodromus flexuosus			0.2	0.42
Owenia fusiformis	0.4	0.97		
Paramphinome jeffreysi			0.3	0.95
Pectinaria auricoma	0.3	0.48		
Pectinaria koreni	0.2	0.42	0.2	0.42
Pholoe minuta	0.2	0.63	0.2	0.42
Polynoidae indet.			0.1	0.32
Scalibregma inflatum			0.2	0.63
Streblosoma bairdi	0.2	0.42		
Syllidae indet.	0.3	0.48		
Terebellides stroemi			0.1	0.32
Trichobranchus roseus	0.1	0.32		
Abra nitida	0.2	0.42	0.3	0.67
Arctica islandica			0.1	0.32
Astarte elliptica	0.1	0.32	0.1	0.32
Astarte montagui	2.3	1.89	1.0	1.41
Corbula gibba	1.2	1.14	2.4	1.71
Ennucula tenuis	0.1	0.32	0.1	0.32
Mya arenaria			0.2	0.63
Nuculana pernula	0.4	0.84		
Thyasira sp.	1.5	2.17	3.2	4.80
Phoronis mülleri	0.1	0.32		
Phascolion strombi	0.1	0.32		
Sipunculida indet.	0.2	0.42		
Diversity: λ	0.75		0.57	
Diversity: H	2.12		1.67	
Diversity: d	5.25		5.68	
Sampling efficiency:	0.936 <S<1		0.952 <S<1	

Table 19. Station AF 3, 50 m

	1974 JUNE $\bar{x}$	JUNE s	OCT. $\bar{x}$	OCT. s
Chaetoderma nitidulum	0.2	0.42		
Cumacea indet.	0.6	0.70	0.3	0.42
Nemertini indet.	0.2	0.42		
Ophiura affinis			0.2	0.63
Ophiura sarsi			0.1	0.32
Ophiura texturata	0.2	0.63		
Ampharetidae indet.			0.1	0.32
Anaitides sp.	0.6	0.52		
Artacama proboscidea			0.2	0.63
Chaetozone setosa	1.6	1.71	3.7	3.43
Diplocirrus glaucus	1.1	1.29	0.6	0.70
Euchone papillosa	3.7	2.50	1.9	3.11
Glycera alba	1.2	1.23		
Glycera rouxii	0.2	0.42	0.1	0.32
Goniada maculata	0.5	0.97	0.3	0.48
Heteromastus filiformis	9.2	8.78	8.2	8.46
Lanassa venusta	0.1	0.32		
Laonice cirrata	0.2	0.42		
Lumbrineris fragilis	0.1	0.32		
Maldane sarsi	0.1	0.32	0.8	1.32
Melinna cristata	0.1	0.32		
Myriochele sp.	2.0	1.56	0.9	1.29
Neoamphitrite grayi			0.1	0.32
Neoamphitrite sp.	0.1	0.32		
Nephtys ciliata			0.3	0.67
Nephtys hombergi	0.2	0.42		
Nereimyra punctata	0.1	0.32	0.1	0.32
Nereis sp.			0.1	0.32
Ophelina acuminata			0.4	1.26
Ophelina norvegica	0.2	0.42		
Ophiodromus flexuosus	0.3	0.67	0.7	0.82
Paramphinome jeffreysi	0.8	1.03	1.0	1.49
Pectinaria koreni	0.3	0.48		
Pholoe minuta	0.3	0.48	0.4	0.52
Phyllodocidae indet.	0.1	0.32		
Polyphysia crassa	0.1	0.32	0.3	0.67
Sabellides octocirrata	0.4	0.70		
Scalibregma inflatum	0.6	1.35	7.1	10.31
Scoloplos armiger	0.4	0.70	0.5	0.97
Spionidae indet.	0.1	0.32	0.1	0.32
Syllidae indet.	1.1	1.52	0.5	0.85
Terebellidae indet.	0.1	0.32		
Terebellides stroemi	0.4	0.70	0.5	0.97
Trichobranchus roseus	0.1	0.32		
Abra alba	0.8	1.23		
Abra nitida	1.8	1.23	1.2	0.92
Astarte montagui	0.2	0.42	0.6	0.70
Corbula gibba	1.5	1.90	2.5	2.27
Lucinoma borealis	0.1	0.32		
Mya arenaria	0.1	0.32		
Palliolum furtivum			0.1	0.32
Palliolum vitreum	0.2	0.63		
Thyasira sp.	10.4	9.12	6.0	6.13
Diversity: λ	0.88		0.89	
H'	2.72		2.59	
d	7.10		5.18	
Sampling efficiency:	0.952 <S<1		0.962 <S<1	

Table 20. Station FT 1, 20 m

	1972				1973				1974			
	JUNE		OCT.		JUNE		OCT.		JUNE		OCT.	
	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s
Virgularia mirabilis	0.6	0.70	0.1	0.32	0.1	0.32	0.2	0.42	0.3	0.48		
Astropecten irregularis			0.1	0.32					0.1	0.32	0.1	0.32
Ctenodiscus crispatus	0.2	0.42			0.1	0.32					0.3	0.48
Chaetoderma nitidulum	0.2	0.42	0.3	0.48	1.0	1.15	0.6	1.07	0.9	1.10	1.7	1.49
Amphipoda inde.	1.2	1.75	0.6	0.84	0.4	0.97	0.3	0.48			1.1	2.18
Balanus balanus					0.1	0.32						
Calocharis macandreae											0.1	0.32
Cumacea indet.			0.1	0.32	0.4	0.52	0.1	0.32	0.1	0.32	0.1	0.32
Brisaster fragilis	0.1	0.32			0.1	0.32	0.1	0.32				
Echinocardium cordatum					0.2	0.63	0.3	0.48	0.1	0.32	0.4	0.70
Aporrhais pespelicani	0.1	0.32	0.2	0.42	0.1	0.32						
Buccinum sp.			0.1	0.32								
Okenia pulchella			0.1	0.32								
Philine quadrata			0.1	0.32								
Philine scabra					0.9	0.88						
Philine sp.	0.1	0.32										
Turitella communis	0.8	1.03	0.5	1.58	0.3	0.48	0.2	0.42	0.5	0.71		
Cucumaria elongata			0.9	0.74					0.9	1.29		
Holothuroidea indet.	0.4	0.70	0.2	0.63	3.1	2.02	3.3	1.77	4.1	4.20	4.5	3.03
Nemertini indet.			0.4	0.52	1.4	0.84	1.5	0.85	1.4	1.17	2.2	1.32
Amphiura chiajei	3.1	2.69	2.4	1.90	3.3	1.89	0.2	0.63	1.2	0.92	3.3	2.36
Amphiura filiformis	2.0	1.94			2.8	1.75	0.5	1.27	1.4	1.07	0.5	1.27
Amphiura sp.			0.1	0.32								
Ophiura affinis							0.2	0.42			0.3	0.67
Ophiura albida	3.0	2.49	0.3	0.48	0.9	0.88	0.3	0.67	0.5	0.85	0.7	0.95
Ophiura sarsi					0.2	0.42	0.3	0.48			0.1	0.32
Ophiura sp.			0.4	0.70	0.5	0.53	0.7	0.67	0.1	0.32	0.5	0.71
Ophiura texturata			0.9	1.20	0.2	0.63	0.5	0.71	0.7	1.06	0.9	0.74
Ampharetidae indet.									0.1	0.32		
Anaitides sp.	0.3	0.67	2.9	1.45	1.6	1.07	1.9	1.37	0.9	0.99	1.8	1.40
Asychis biceps	4.1	2.08	2.6	3.31	3.8	2.10	4.1	4.20	3.1	1.60	3.3	1.34
Ceratocephale loveni	0.1	0.32					0.1	0.32				
Chaetozone setosa											0.2	0.42
Cirratulus cirratus			0.2	0.63			0.3	0.67			0.2	0.63
Diplocirrus glaucus	3.6	1.71	0.2	0.63	1.9	3.38	2.8	1.81	7.9	3.96	4.0	2.11
Eteoninae indet.							0.1	0.32				
Eteone sp.	0.1	0.32										
Euchone papillosa							0.2	0.42	0.2	0.42	0.2	0.42
Euchone rubrocincta			0.1	0.32								
Euclymeninae indet.											0.1	0.32
Eumida sp.	0.1	0.32										
Glycera alba	1.2	0.42	1.0	1.05	0.8	1.03	0.1	0.32	0.5	0.53	0.6	0.97
Glycera rouxii					0.1	0.32	0.1	0.32			0.2	0.42
Goniada maculata	0.7	0.95	1.1	1.20	0.6	1.35	1.3	1.49	0.6	0.84	1.9	1.45

Table 20. cont.

	1972				1973				1974			
	JUNE		OCT.		JUNE		OCT.		JUNE		OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Goniada norvegica					0.1	0.32						
Heteromastus filiformis	0.3	0.48	0.3	0.67	0.8	1.23	2.7	2.16	0.9	1.20	0.5	0.71
Lanassa nordenskiøldi	0.1	0.32	0.1	0.32								
Lanassa venusta					0.1	0.32			0.4	0.70	0.2	0.63
Laonice cirrata	0.5	0.53	1.0	1.25	1.0	1.25	0.8	0.63	0.9	0.99	1.1	0.88
Lumbrineris fragilis	1.4	1.26	2.2	1.75	0.6	0.52	0.6	0.70	0.2	0.42	0.8	0.79
Maldanidae indet.	0.5	0.71										
Maldane sarsi	1.4	3.10	0.2	0.42	3.1	4.65	8.6	4.43	3.1	5.04	2.2	3.65
Melinna cristata			0.1	0.32					0.1	0.32		
Myriochele sp.			0.3	0.67	1.4	1.84	2.4	2.41	1.8	1.48	1.9	1.79
Neoamphitrite affinis					0.1	0.32						
Neoamphitrite grayi			0.1	0.32	0.1	0.32						
Nephtys caeca							0.2	0.42				
Nephtys ciliata	1.3	1.06	1.7	1.70	1.6	1.07	0.9	0.99	1.3	1.16	0.9	0.88
Nephtys hombergi							0.1	0.32	0.1	0.32		
Nephtys paradoxa			0.3	0.48	0.1	0.32			0.2	0.42		
Nephtys sp.					0.2	0.42						
Nicomache lumbricalis	1.6	2.22	2.3	2.36	0.4	0.70	0.4	0.70	0.9	1.20	1.5	1.58
Ophelina acuminata							0.1	0.32			0.4	0.70
Ophiodromus flexuosus	0.4	0.84	0.6	0.52	0.5	0.71	0.9	0.88	1.2	1.03	0.7	0.67
Owenia fusiformis			0.1	0.32								
Paraonis gracilis	0.1	0.32			0.2	0.42	0.2	0.42	0.1	0.32	0.1	0.32
Pectinaria auricoma					0.8	1.32	1.0	1.25			0.1	0.32
Pectinaria koreni	7.1	2.42	10.4	8.15	5.1	2.02	4.0	3.20	5.3	2.50	6.5	4.88
Pholoe minuta	2.0	1.76	4.2	2.30	6.0	4.45	3.8	2.25	3.1	1.29	8.8	3.16
Phyllodocidae indet.									0.1	0.32	0.2	0.42
Polydora sp.			0.1	0.32			0.1	0.32				
Polynoidae indet.	0.2	0.42			0.2	0.42	0.2	0.42	0.2	0.42	0.2	0.42
Polyphysia crassa									0.1	0.32	0.1	0.32
Praxillella gracilis	0.1	0.32									0.1	0.32
Rhodine gracilior	1.0	0.67	0.8	0.63			0.1	0.32	0.1	0.32	0.4	0.70
Scalibregma inflatum									0.1	0.32	0.3	0.48
Scoloplos armiger	0.8	1.14	5.8	2.44	5.9	4.28	1.1	1.29	2.4	1.07	2.2	1.62
Spio filiformis											0.1	0.32
Spionidae indet	2.6	3.06							0.1	0.32		
Streblosoma bairdi	0.2	0.42			0.2	0.42			0.1	0.32	0.1	0.32
Syllidae indet.	0.4	0.70	0.3	0.67	0.4	0.52	0.5	0.71	0.2	0.42	0.1	0.32
Terebellidae indet.					0.1	0.32						
Terebellides stroemi	0.1	0.32	0.2	0.42	0.2	0.42	0.2	0.42	2.6	1.65	5.7	2.11
Tharyx marioni			0.1	0.32								
Thelepus cincinnatus					0.1	0.32	0.1	0.32				
Trichobranchus roseus	0.5	0.85	0.6	0.84	0.6	0.70	0.5	0.85	0.7	0.95	1.0	1.05
Trochochaeta multisetosa							0.1	0.32				
Abra alba	1.0	0.94	0.2	0.42	92.8	23.92	39.5	17.74	7.1	3.96	4.4	2.76
Abra nitida	1.3	1.16	1.1	1.10	141.6	62.64	78.8	29.34	9.4	5.76	21.5	11.58
Acanthocardia echinata			0.1	0.32	0.3	0.48			0.1	0.32	0.2	0.42
Arctica islandica	0.6	0.84			0.4	0.70	0.1	0.32	0.2	0.42	0.3	0.48
Corbula gibba	1.2	1.32	0.2	0.42	9.4	6.43	3.0	3.02	5.0	3.74	55.0	20.39
Ennucula tenuis					0.1	0.32	0.1	0.32	0.2	0.42		
Gari fervensis											0.1	0.32
Hiatella arctica			0.2	0.63	0.2	0.63						
Kellia suborbicularis											0.2	0.42
Kelliella miliaris					0.1	0.32						
Lucinoma borealis							0.1	0.32				
Macoma calcarea	0.2	0.42			0.2	0.42	0.2	0.42	0.8	1.03	0.8	0.79

Table 20. cont.

	1972 JUNE		1972 OCT.		1973 JUNE		1973 OCT.		1974 JUNE		1974 OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Montacuta ferruginosa					0.1	0.32	0.2	0.42				
Montacuta sp.											0.4	0.52
Musculus niger	0.4	0.52										
Mya arenaria					0.2	0.42	0.1	0.32				
Mya sp.					0.4	0.70	0.1	0.32				
Mysella bidentata	0.2	0.42			1.7	1.77	0.2	0.42	0.1	0.32	0.7	0.95
Mysia undata											0.1	0.32
Nucula sp.	0.1	0.32										
Thracia sp.									0.3	0.48	1.4	0.84
Thyasira sp.	1.8	1.14	2.1	3.75	6.7	5.68	42.2	21.05	23.1	4.91	41.6	8.98
Venus casina											0.5	0.71
Phoronis mülleri	0.3	0.48	0.3	0.48	0.2	0.42	0.4	0.52	0.9	0.74	0.3	0.48
Dentalium entale			0.5	0.71			0.4	1.26	0.3	0.48	0.1	0.32
Onchnesoma steenstrupi	0.1	0.32					0.1	0.32				
Phascolion strombi	0.9	1.37	0.2	0.42	0.2	0.42	0.1	0.32	0.2	0.42	0.4	0.52
Diversity: λ	0.95		0.93		0.70		0.79		0.91		0.85	
Diversity: H	3.38		3.15		1.87		2.19		3.06		2.64	
Diversity: d	8.30		8.78		8.21		8.47		8.55		8.85	
Sampling efficiency:	0.964 <S<1		0.957 <S<1		0.996 <S<1		0.987 <S<1		0.976 <S<1		0.989 <S<1	

Table 21. Station FT 2, 50 m

	1972				1973				1973			
	JUNE		OCT.		JUNE		OCT.		JUNE		OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Stylatula elegans							0.1	0.32	0.1	0.32		
Virgularia mirabilis	1.0	1.25	0.9	0.57	0.8	1.23	0.2	0.42	1.6	1.35	0.3	0.67
Ctenodiscus crispatus	0.7	0.67	1.2	0.92	0.3	0.48	0.2	0.42	0.4	0.52		
Chaetoderma nitidulum			0.4	1.26	0.3	0.48	0.6	0.70	0.3	0.95	0.2	0.42
Lepidopleurus alveolus							0.6	1.35				
Amphipoda indet.	1.1	1.45	1.7	2.00	1.3	1.95	0.8	1.03	0.2	0.42	0.3	0.48
Calocharis macandreae									0.1	0.32		
Cumacea indet.	1.8	1.75	1.9	2.13	2.0	1.76	1.0	1.33	0.2	0.42	0.7	0.67
Galathea sp.					0.1	0.32						
Gnathia oxyraea			0.1	0.32					0.1	0.32		
Brisaster fragilis							0.1	0.32				
Brissopsis lyrifera									0.1	0.32		
Echinocardium cordatum							0.1	0.32				
Echinocyanus pusillus					0.1	0.32						
Buccinum undatum	0.1	0.32										
Eulima stenostoma					0.3	0.67						
Iothia fulva							0.1	0.32				
Lepeta caeca							0.1	0.32				
Lunatia pallida	0.2	0.42	0.3	0.48			0.2	0.42			0.3	0.48
Neptunea despecta			0.1	0.32								
Philine scabra					0.1	0.32						
Turitella communis			0.2	0.63								
Holothuridea indet.	0.2	0.63	0.3	0.48	0.3	0.67	1.1	1.45	0.8	0.92	0.9	1.60
Nemertini indet.			1.1	0.88	1.1	0.74	1.7	1.49	1.3	1.34	1.4	0.84
Amphilepis norvegica									0.2	0.42		
Amphiura chiajei	0.5	0.71	0.6	0.97	0.4	0.97	0.8	1.03	0.4	0.52		
Amphiura filiformis	0.1	0.32			0.3	0.48	0.5	0.85	0.3	0.48		
Ophiopholis aculeata							0.4	1.26				
Ophiura affinis							0.1	0.32				
Ophiura albida	0.3	0.67					0.6	0.70	0.7	0.95		
Ophiura carnea							0.8	1.48				
Ophiuroidea indet.	0.1	0.32										
Ophiura robusta							0.3	0.95				
Ophiura sarsi			0.3	0.48	0.1	0.32	0.6	0.52	0.2	0.42		
Ophiura sp.					1.3	1.34	0.5	0.53	0.1	0.32		
Ophiura texturata									0.2	0.63		
Ampharetidae indet.							0.1	0.32				
Anaitides sp.	0.6	0.70	0.6	1.07	0.1	0.32	0.2	0.42	0.3	0.67	1.9	1.66
Asychis biceps	0.1	0.32	2.0	2.16	0.6	0.70	0.8	1.23	0.4	0.70	0.1	0.32
Chaetozone setosa	0.1	0.32	0.4	0.52			0.1	0.32				
Cirratulus cirratus	1.4	1.90					0.1	0.32			0.2	0.63
Cirratulidae indet.					0.1	0.32						
Dasybranchus caducus	0.4	0.52	0.4	0.52							0.4	0.70

Table 21. cont.

	JUNE		OCT.		JUNE		OCT.		JUNE		OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Diplocirrus glaucus			4.6	2.46	1.1	0.99	6.2	4.80	6.1	6.77	7.6	2.99
Driloneris filum			0.9	0.74			0.2	0.42	0.2	0.42	0.3	0.67
Eteone sp.			0.1	0.32								
Euclymeninae indet.					0.3	0.48					0.5	0.97
Eunice pennata							1.8	4.05				
Glycera alba	0.2	0.42	1.0	1.15	0.3	0.48	0.4	0.70	0.7	1.06	0.4	0.84
Glycera rouxii	0.1	0.32	0.2	0.42	0.4	0.70	0.2	0.42			0.6	0.52
Goniada maculata	0.7	0.67	0.6	0.52	0.1	0.32	0.4	0.52	0.4	0.52	1.4	1.43
Hesionidae indet.											0.1	0.32
Heteromastus filiformis	67.1	29.32	23.8	25.42	7.1	9.79	3.7	4.64	6.7	5.12	17.8	10.12
Laonice cirrata	0.2	0.42	0.2	0.42	0.1	0.32	0.4	0.52	0.1	0.32	0.1	0.32
Lumbrineris fragilis	0.6	0.84	0.1	0.32	0.3	0.48	0.8	1.14	0.7	0.48	0.7	0.95
Maldanidae indet.							0.2	0.63				
Maldane sarsi	4.6	3.20	18.1	11.47	1.7	1.34	8.0	5.62	5.2	6.25	3.2	3.99
Melinna cristata	0.2	0.63			0.1	0.32	1.1	1.60				
Microclymene tricirrata			0.1	0.32								
Myriochele sp.	1.1	0.88	3.6	2.32	0.3	0.48	1.2	1.32	0.4	0.84	0.5	0.85
Nephtys ciliata	0.9	0.99	0.5	0.53	0.3	0.48	0.1	0.32	0.7	0.82	0.3	0.48
Nephtys paradoxa	0.1	0.32			0.1	0.32						
Nereis virens			0.1	0.32								
Notomastus latericeus									0.3	0.67		
Ophelina acuminata	0.2	0.63	0.1	0.32					0.1	0.32		
Ophiodromus flexuosus	0.5	0.71	0.2	0.42	0.5	0.97	0.2	0.42	0.2	0.42	0.1	0.32
Owenia fusiformis	1.9	1.66	9.4	9.44	0.8	1.32	0.6	1.07	0.4	0.97	1.6	1.43
Paramphinome jeffreysi	0.1	0.32					0.4	0.70				
Paraonis gracilis							0.1	0.32				
Pectinaria auricoma	0.4	0.70			1.1	0.99	1.1	1.10	0.8	0.79	1.1	1.29
Pectinaria belgica											0.1	0.32
Pectinaria koreni	2.9	1.52	6.0	3.80	4.4	2.37	2.2	2.66	2.3	1.89	0.4	0.52
Pholoe minuta	3.0	1.89	4.7	2.95	0.8	0.79	2.2	2.44	1.6	1.26	3.7	2.31
Phyllodocidae indet.							0.2	0.42	0.1	0.32		
Polynoidae indet.							0.4	0.52	0.2	0.42	0.5	0.71
Polynoe kinbergi	0.1	0.32										
Polyphysia crassa			0.1	0.32	0.1	0.32	0.6	1.07	0.6	0.70	0.3	0.67
Praxillella gracilis					0.3	0.67	0.1	0.32				
Praxillella praetermissa							0.4	0.70	0.5	0.71		
Prionospio cirrifera			1.0	1.33								
Rhodine loveni			0.1	0.32								
Sabellidae indet.											0.1	0.32
Scalibregma inflatum							0.2	0.42	0.7	0.82	0.6	0.84
Scoloplos armiger			0.3	0.48	0.1	0.32						
Spionidae indet.							0.1	0.32				
Streblosoma intestinalis							0.1	0.32				
Syllidae indet	0.[illegible]	0.42	0.4	0.52	0.1	0.32	1.3	1.16	0.4	0.52	0.5	0.71
Terebellides stroemi	0.1	0.32					0.4	0.70	0.3	0.67	0.3	0.67
Trichobranchus roseus	0.1	0.32			0.1	0.32	0.2	0.42	0.1	0.32		
Trochochaeta multisetosa					0.1	0.32						
Abra alba	36.9	8.56	21.1	9.47	404.2	80.21	201.6	94.87	131.9	20.11	66.5	13.83
Abra nitida	63.5	12.87	33.0	13.57	64.9	36.87	19.4	13.47	20.9	9.95	13.9	4.63
Arctica islandica	0.5	0.71			0.2	0.42					0.2	0.42
Astarte sulcata							0.2	0.63				
Bathyarca pectunculoides					0.1	0.32						
Cardiidae indet.	0.2	0.42										
Corbula gibba	0.3	0.67			0.4	0.70			0.1	0.32	0.5	0.71
Ennucula tenuis	0.4	0.70	2.1	1.60	1.6	1.07	0.4	0.70	0.5	0.71	0.7	1.25
Kelliella miliaris					0.7	1.06						
Macoma calcarea	0.1	0.32	0.2	0.63			0.1	0.32	0.1	0.32		
Modiolus modiolus			0.1	0.32								
Montacuta ferruginosa											0.1	0.32

Table 21. cont.

	1972 JUNE		1972 OCT.		1973 JUNE		1973 OCT.		1974 JUNE		1974 OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Montacuta sp.											0.2	0.42
Musculus niger	0.1	0.32			0.1	0.32						
Mya arenaria					0.1	0.32			0.1	0.32	0.1	0.32
Mya sp.	0.2	0.63	0.1	0.32								
Mysella bidentata	0.5	0.71	0.1	0.32	0.2	0.42	0.1	0.32				
Nuculana minuta							0.3	0.95			0.1	0.32
Nuculana pernula					0.1	0.32						
Parvicardium minimum					1.5	2.80	1.7	1.16	0.1	0.32	0.2	0.42
Thracia sp.					0.1	0.32						
Thyasira sp.	113.8	24.20	194.5	49.23	230.8	55.75	46.0	29.84	61.9	30.06	107.5	32.97
Yoldiella sp.					0.1	0.32	0.1	0.32			0.2	0.42
Phoronis mülleri	0.3	0.67										
Dentalium entale							0.3	0.67	0.1	0.32		
Onchnesoma steenstrupi	0.4	0.70					0.3	0.48				
Phascolion strombi			0.1	0.32	0.1	0.32	0.5	0.85				
Sipunculida indet.	0.1	0.32										
Diversity: λ	0.76		0.65		0.59		0.58		0.66		0.71	
Diversity: H	1.81		1.77		1.21		1.61		1.65		1.78	
Diversity: d	6.34		6.03		6.40		8.92		6.76		6.04	
Sampling efficiency:	0.993 <S<1		0.994 <S<1		0.996 <S<1		0.992 <S<1		0.991 <S<1		0.993 <S<1	

Table 22. Station PT 3, 100 m

	1972				1973				1974			
	JUNE		OCT.		JUNE		OCT.		JUNE		OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Faraedwardsia arenaria			0.5	0.71	0.4	0.70						
Pennatula phosphorea									0.1	0.32		
Virgularia mirabilis					0.1	0.32			0.3	0.67	0.1	0.32
Ctenodiscus crispatus							0.1	0.32				
Psilaster andromeda			0.1	0.32								
Chaetoderma nitidulum	1.2	1.40	1.0	1.05	0.7	0.82	0.8	0.79	2.2	1.81	2.1	1.79
Amphipoda indet.	1.4	1.26	1.8	1.55	0.4	0.70	1.5	1.65	1.1	0.88	1.0	1.25
Calocharis macandreae					0.1	0.32	0.8	1.03	0.6	0.84		
Cumacea indet.	0.2	0.42	0.9	1.52	0.5	0.97	0.6	0.97	1.0	0.67	1.5	1.18
Brisaster fragilis	0.4	0.70			0.1	0.32						
Brissopsis lyrifera			0.1	0.32								
Balcis sp.							0.1	0.32				
Cylichna cylindracea			0.1	0.32	0.1	0.32						
Eulimella scillae	0.1	0.32										
Natica clausa			0.1	0.32	0.1	0.32						
Odostomia unidentata							0.1	0.32				
Philine quadrata			0.1	0.32								
Philine scabra			0.2	0.42	0.1	0.32						
Trichotropis borealis	0.1	0.32										
Trophonopsis barvicensis			0.1	0.32								
Holothuroidea indet.	0.3	0.67	0.8	1.03	0.6	0.84	0.2	0.42	0.2	0.63		
Nemertini indet.			1.1	1.29	0.8	0.79	1.6	0.70	1.1	0.88	1.5	0.85
Amphilepis norvegica	6.2	3.26	5.5	2.37	2.3	2.36			10.0	6.53		
Amphiura chiajei	0.8	1.14	0.6	0.84	0.4	0.52	2.4	1.71	0.8	1.32		
Amphiura filiformis							2.2	2.10				
Amphiura sp.	0.5	1.58			0.1	0.32						
Ophiura albida			0.3	0.67	0.3	0.48	0.1	0.32				
Ophiura carnea							0.3	0.48				
Ophiura sarsi	0.7	0.82	0.1	0.32								
Ophiura sp.	0.2	0.63	1.5	1.43			0.2	0.63	0.4	0.97		
Ampharetidae indet.	0.9	0.99			0.2	0.63			0.3	0.48		
Amphicteis gunneri			0.2	0.63								
Anaitides sp.	0.4	0.52			0.1	0.32					0.1	0.32
Aphrodita aculeata									0.1	0.32		
Aphroditidae indet.	0.1	0.32										
Asychis biceps	1.1	1.52	3.6	3.47	4.3	2.95	1.2	1.14	0.7	0.82	0.2	0.63
Brada villosa	0.1	0.32	0.3	0.95	0.1	0.32			0.1	0.32	0.3	0.67
Capitellidae indet.									0.1	0.32		
Ceratocephale loveni	0.1	0.32	0.5	1.27	0.1	0.32	0.5	0.85	0.9	0.99	0.4	0.52
Chaetozone setosa	2.0	3.06	4.3	5.08	0.4	0.70	5.9	5.09	15.4	14.86	22.6	20.77
Dasybranchus caducus	0.1	0.32					0.1	0.32				
Diplocirrus glaucus	6.1	5.32	5.7	4.97	0.8	1.03	6.2	2.94	35.7	23.97	37.3	25.53
Driloneris filum							0.1	0.32	1.1	1.60	1.2	1.23
Euchone papillosa			0.1	0.32								

Table 22. cont.

	1972				1973				1974			
	JUNE		OCT.		JUNE		OCT.		JUNE		OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Euclymeninae indet.	0.1	0.32	0.4	0.52	0.1	0.32	0.1	0.32			0.1	0.32
Flabelligeridae indet.									0.7	1.06		
Glycera rouxii	0.5	1.08	0.1	0.32	0.2	0.42	0.2	0.42	0.3	0.48	0.2	0.42
Goniada maculata	0.1	0.32	0.2	0.42							0.2	0.42
Harmothoe sp.			0.2	0.42								
Heteromastus filiformis	0.1	0.32	0.2	0.42			0.3	0.67	4.0	2.58	0.8	0.92
Heteroclymene robusta									0.1	0.32		
Laetmonice filicornis							0.1	0.32				
Laonice cirrata	0.2	0.42	0.8	1.23							1.0	1.05
Leanira tetragona			0.2	0.42								
Lumbrineris fragilis	1.7	1.25	2.8	1.75	0.3	0.48	2.6	1.90	1.9	1.60	2.2	1.69
Maldanidae indet.	0.2	0.63							0.1	0.32		
Maldane sarsi			0.3	0.67					0.3	0.67	1.1	1.85
Melinna cristata	9.9	10.70	12.8	11.97	7.7	10.71	1.8	1.62	0.5	1.27	2.9	1.29
Myriochele sp.	0.1	0.32	0.1	0.32	0.2	0.42	0.4	0.70	0.2	0.42	0.4	0.52
Nephtys ciliata					0.3	0.48			0.1	0.32		
Nephtys hombergi											0.1	0.32
Nephtys incisa											0.5	0.53
Nephtys paradoxa	0.1	0.32			0.1	0.32	0.2	0.63	0.4	0.52	0.1	0.32
Ophelina acuminata	0.7	1.06										
Ophelina norvegica			0.3	0.48			0.1	0.32	0.1	0.32	0.3	0.67
Ophiodromus flexuosus							0.1	0.32	0.1	0.32	0.2	0.42
Owenia fusiformis					0.2	0.42			0.1	0.32		
Panthalis oerstedi									0.1	0.32	0.3	0.67
Paramphinome jeffreysi	0.7	0.95	0.1	0.32			0.6	1.26	0.9	1.29	1.2	1.87
Pectinaria auricoma					0.1	0.32	0.1	0.32	0.8	0.79	0.3	0.67
Pectinaria belgica							0.1	0.32				
Pectinaria koreni	0.1	0.32			0.2	0.42						
Pholoe minuta	0.5	0.97	0.3	0.48	0.1	0.32	0.1	0.32	1.0	1.25	0.8	1.14
Phylo norvegicus			0.3	0.67	0.1	0.32	0.3	0.67	0.1	0.32	0.5	0.71
Pista cristata											0.1	0.32
Polynoidae indet.							0.1	0.32			0.2	0.42
Polyphysia crassa			0.1	0.32	0.3	0.67	0.3	0.48	0.4	0.52	0.1	0.32
Rhodine loveni	0.3	0.67			0.4	0.70	0.2	0.42	0.2	0.42	0.6	0.70
Sabellidae indet.	0.1	0.32										
Sabella penicillus					0.1	0.32						
Scalibregma inflatum	0.1	0.32							0.1	0.32		
Scoloplos armiger	0.5	0.97										
Sphaerodorum gracilis											0.1	0.32
Spiochaetopterus typicus											0.1	0.32
Spionidae indet.			0.1	0.32			0.2	0.42	0.6	0.84		
Streblosoma intestinalis			0.9	0.99			6.6	3.57	10.0	9.08		
Syllidae indet.	0.1	0.32					0.2	0.42	1.0	1.05	0.4	0.70
Terebellidae indet.	0.1	0.32			0.3	0.67						
Terebellides stroemi	0.3	0.95	0.4	0.84			0.4	0.70	0.8	0.79	0.2	0.42
Tharyx marioni			0.1	0.32								
Thelepinae indet.			1.0	1.05							2.1	2.02
Trichobranchus roseus	0.1	0.32							0.1	0.32		
Trochochaeta multisetosa											0.1	0.32
Abra alba	1.5	2.51	0.5	0.85	5.1	4.18	2.9	2.81	4.6	5.64	0.7	1.06
Abra nitida	30.1	31.19	57.6	31.82	14.5	7.66	24.4	5.74	56.9	24.52	34.1	19.91
Arctica islandica	0.4	0.97										
Astarte sp.	0.8	1.32			0.1	0.32						
Astarte sulcata			0.8	1.23	0.9	1.37					0.1	0.32
Bathyarca pectunculoides	0.3	0.67	1.1	1.20	0.8	1.62	0.1	0.32				

Table 22. cont.

	1972 JUNE		1972 OCT.		1973 JUNE		1973 OCT.		1974 JUNE		1974 OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Cardiidae indet.	0.1	0.32										
Chlamys islandica			0.1	0.32								
Corbula gibba											0.1	0.32
Cuspidaria rostrata			0.1	0.32								
Cuspidaria sp.	0.1	0.32			0.1	0.32					0.1	0.32
Ennucula tenuis			0.2	0.42								
Kelliella miliaris			1.9	2.77	1.3	1.95	0.1	0.32	0.1	0.32	0.9	1.10
Limatula sp.	0.9	1.29										
Limatula sulcata			1.2	1.32	0.9	1.10	0.8	0.79	0.1	0.32	0.3	0.67
Modiolula phaseolinus	0.1	0.32			0.5	0.97						
Montacuta tenella					0.1	0.32						
Mysella bidentata			0.1	0.32								
Nuculana pernula			0.1	0.32								
Nucula sp.	0.1	0.32										
Nucula tumidula			0.2	0.63								
Palliolum vitreum			0.1	0.32								
Parvicardium minimum			3.1	3.00	1.1	1.45	0.7	0.67	0.6	0.84	0.1	0.32
Pseudamussium septemradiatum			0.2	0.42					0.1	0.32		
Thyasira sp.	17.8	14.89	25.5	13.01	20.8	15.56	16.6	5.72	9.6	7.07	22.1	10.33
Tropidomya abbreviata					0.2	0.42			0.1	0.32		
Yoldiella sp.	3.8	4.08	9.2	6.48	8.2	6.84	4.1	2.02	1.5	1.18	0.6	0.70
Phoronis mülleri	0.2	0.42										
Dentalium entale			0.4	0.97			0.4	0.70	0.3	0.67		
Dentalium occidentale					0.2	0.63	0.2	0.63				
Dentalium sp.			0.1	0.32								
Onchnesoma squamatum			0.1	0.32					0.1	0.32		
Onchnesoma steenstrupi	21.1	13.25	14.1	11.80	10.1	16.38	8.2	5.85	10.3	6.38	7.5	9.38
Polycladia indet.	0.1	0.32										
Diversity: λ	0.86		0.84		0.88		0.89		0.83		0.84	
Diversity: H	2.54		2.55		2.65		2.73		2.36		2.34	
Diversity: d	8.07		8.89		7.96		7.54		7.62		6.96	
Sampling efficiency:	0.973 <S<1		0.982 <S<1		0.969 <S<1		0.976 <S<1		0.986 <S<1		0.993 <S<1	

Table 23. Station YØ 1, 50 m

	1972				1973				1974			
	JUNE		OCT.		JUNE		OCT.		JUNE		OCT.	
	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s
Ctenodiscus crispatus	0.2	0.42	0.3	0.48								
Chaetoderma nitidulum	1.5	1.72	0.8	0.92	2.0	1.83	0.8	0.92				
Amphipoda indet.	1.6	1.35	2.9	1.85	0.5	0.97	1.3	1.57				
Calocharis macandreae					0.5	0.97						
Cumacea indet.	2.8	2.15	2.7	1.83	4.4	2.76	0.8	1.75				
Gnathia oxyraea					0.1	0.32						
Brisaster fragilis	0.1	0.32			0.1	0.32						
Admete viridula							0.1	0.32				
Cylichna alba	0.2	0.42										
Philine quadrata			0.1	0.32	0.1	0.32						
Philine scabra					0.2	0.42						
Retusa umbilicata					0.1	0.32						
Taranis moerchi	0.1	0.32										
Trophonopsis barvicensis	0.1	0.32										
Turridae indet.					0.1	0.32						
Holothuroidea indet.	0.1	0.32	0.1	0.32	0.1	0.32	1.3	125				
Nemertini indet.			1.5	1.08	1.7	1.06	1.7	0.82				
Amphiura chiajei	6.6	1.65	6.4	3.31	6.9	2.38	2.3	1.42				
Amphiura filiformis	0.8	1.87	1.1	1.52			1.5	0.53				
Amphiura sp.			0.2	0.63	0.2	0.63						
Ophiura affinis							0.1	0.32				
Ophiura albida	0.7	0.82	0.1	0.32								
Ophiura sarsi	0.2	0.42	3.0	2.11			0.1	0.32				
Ophiura sp.			0.4	0.70	2.0	1.63	0.8	0.79				
Ampharetidae indet.	0.2	0.42					0.3	0.67				
Ampharetidae sp.					0.1	0.32						
Amphicteis gunneri	0.1	0.32										
Anaitides sp.			0.2	0.42								
Anobothrus gracilis							0.2	0.42				
Aphrodita aculeata					0.1	0.32						
Asychis biceps	0.3	0.67	1.1	1.45	0.8	0.63	0.5	0.71				
Ceratocephale loveni	0.1	0.32			0.2	0.63						
Chaetozone setosa	0.8	0.79	4.4	3.31	0.8	1.32	1.8	2.25				
Cirratulus cirratus	0.2	0.63	0.3	0.48	0.1	0.32	0.1	0.32				
Dasybranchus caducus	0.1	0.32	0.2	0.42	0.1	0.32						
Diplocirrus glaucus	0.2	0.42	0.9	0.74	0.3	0.67	0.2	0.42				
Driloneris filum			0.2	0.42	0.2	0.63	0.1	0.32				
Euchone rubrocincta	0.1	0.32										
Euclymeninae indet.			0.2	0.42								
Glycera alba			0.1	0.32	0.1	0.32	0.1	0.32				
Glycera rouxii	0.1	0.32			0.2	0.63	0.2	0.42				
Glyphanostomum pallescens			0.1	0.32								
Goniada maculata					0.2	0.42						
Heteromastus filiformis			0.2	0.63	0.1	0.32	0.2	0.42				
Laonice cirrata			1.2	1.03			0.4	0.70				

Table 23. cont.

	1972 JUNE		1972 OCT.		1973 JUNE		1973 OCT.		1974 JUNE		1974 OCT.	
	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s
Lumbrineris fragilis	0.9	0.88	1.1	1.37	0.6	0.70	1.1	1.37				
Lumbriclymene minor	0.1	0.32										
Maldanidae indet.							0.2	0.42				
Maldane sarsi	0.2	0.63			0.1	0.32						
Melinna cristata	0.8	1.03	0.5	0.85	0.1	0.32	4.4	5.93				
Myriochele sp.	0.1	0.32	0.6	0.70	0.3	0.67						
Nephtys ciliata	0.1	0.32					0.1	0.32				
Nephtys paradoxa					0.4	0.70						
Notomastus latericeus	0.1	0.32	0.3	0.48	0.4	1.26	0.2	0.63				
Opheliina norvegica							0.1	0.32				
Ophelina sp.					0.1	0.32						
Ophiodromus flexuosus			0.2	0.42	0.1	0.32	0.2	0.42				
Owenia fusiformis			0.2	0.42			1.8	3.16				
Paramphinome jeffreysi	1.2	1.23	1.6	1.17	0.8	1.75	0.1	0.32				
Pectinaria auricoma							0.1	0.32				
Pectinaria koreni	0.1	0.32			0.3	0.48	0.6	1.26				
Pholoe minuta	3.2	2.10	2.0	2.36			2.2	1.87				
Phyllodocidae indet.							0.1	0.32				
Phyllodocinae indet.	0.1	0.32										
Phyllo kupfferi							0.1	0.32				
Phyllo norvegicus			0.3	0.67	0.3	0.67						
Polycirrus sp.							0.1	0.32				
Polynoidae indet.			0.1	0.32	0.5	0.71	0.2	0.42				
Polyphysia crassa	1.4	1.43	0.4	0.70								
Rhodine loveni					0.7	0.67						
Sabellides borealis			0.5	1.08								
Sabellidae indet.	0.4	0.97	0.1	0.32								
Sabella penicillus			0.2	0.63			0.7	1.97				
Scoloplos armiger	0.1	0.32										
Sphaerodorum gracilis	0.1	0.32					0.2	0.42				
Streblosoma bairdi			0.4	0.70			0.2	0.63				
Syllidae indet.	0.3	0.48	0.2	0.63	0.2	0.42	0.2	0.42				
Terebellidae indet.	0.2	0.42			0.4	0.70						
Terebellides stroemi	0.1	0.32	0.4	0.70			0.1	0.32				
Thelepus cincinnatus			0.1	0.32								
Trichobranchus roseus							0.2	0.42				
Abra alba	7.1	4.33	8.7	5.96	10.6	18.64	16.1	10.80				
Abra nitida	5.8	3.22			4.4	3.41	2.5	2.27				
Astarte sulcata							0.4	0.70				
Cardiidae indet.	0.1	0.32										
Chlamys sulcata	0.1	0.32										
Cuspidaria sp.					0.1	0.32						
Ennucula tenuis	0.1	0.32										
Heteranomia squamula					0.1	0.32						
Hiatella arctica	0.1	0.32	0.1	0.32								
Kelliella miliaris			4.6	4.27	4.8	3.68						
Limatula sulcata			0.1	0.32	0.5	0.71	0.2	0.42				
Macoma calcarea			0.1	0.32								
Modiolus modiolus			0.1	0.32								
Montacuta sp.	0.1	0.32										
Mysella bidentata	0.1	0.32	0.2	0.42	0.3	0.48						
Palliolum vitreum	0.1	0.32										
Parvicardium minimum			1.2	0.42	0.5	0.53	4.9	3.81				
Thyasira sp.	6.9	4.70	9.0	5.01	15.3	3.47	1.5	1.35				
Yoldiella sp.	0.1	0.32	1.2	1.03	1.9	1.45						
Phoronis mülleri							0.1	0.32				
Nymphon sp.			0.1	0.32								
Pycnogonida indet.			0.1	0.32								
Dentalium entale							0.1	0.32				
Dentalium occidentale					0.1	0.32	0.1	0.32				
Dentalium sp.			0.1	0.32								
Onchnesoma steenstrupi	6.9	4.91	7.0	5.58	16.6	5.82	0.5	0.97				
Phascolion strombi	0.5	0.71	0.3	0.48	0.1	0.32						
Phascolosoma sp.	0.1	0.32										
Ascidia conchilega	0.1	0.32										
Polycladia indet.							0.1	0.32				
Diversity: λ	0.92		0.94		0.85		0.89					
Diversity: H	2.90		3.15		2.50		2.92					
Diversity: d	8.72		8.69		7.93		8.57					
Sampling efficiency:	0.931 <S<1		0.968 <S<1		0.972 <S<1		0.952 <S<1					

Table 24. Station VD 1, 20 m

	1974 JUNE $\bar{X}$	JUNE s	OCT. $\bar{X}$	OCT. s
Virgularia mirabilis	0.5	0.71	2.1	1.73
Ctenodiscus crispatus	0.3	0.48	0.1	0.32
Chaetoderma nitidulum	0.5	0.85	0.1	0.32
Amphipoda indet.	0.3	0.48	0.9	0.74
Cumacea indet.	0.1	0.32		
Holothuroidea indet.			0.1	0.32
Nemertini indet.	2.0	0.94	1.4	0.97
Amphiura chiajei	5.0	2.75	11.5	3.10
Amphiura filiformis	0.3	0.48	1.5	1.51
Amphiura sp.			1.1	2.51
Ophiura albida	2.3	1.64	4.3	2.79
Ophiura sarsi	0.3	0.67		
Ophiura sp.			1.0	1.56
Ophiura texturata	0.2	0.42		
Amphitrite cirrata	0.2	0.42	0.2	0.63
Anaitides sp.	0.1	0.32	0.6	0.70
Anobothrus gracilis			0.1	0.32
Aphrodita aculeata			0.1	0.32
Artacama proboscidea			0.2	0.42
Chaetozone setosa	0.3	0.67		
Cirratulus cirratus	0.1	0.32	0.2	0.42
Dasybranchus caducus			0.1	0.32
Diplocirrus glaucus	1.8	2.35	0.1	0.32
Euclymeninae indet.			0.7	0.95
Gattyana cirrosa			0.1	0.32
Glycera alba	0.9	0.88	0.4	0.52
Glycera rouxii	0.6	0.70	0.1	0.32
Goniada maculata	1.4	0.97	1.0	1.05
Heteromastus filiformis	1.2	0.92	0.1	0.32
Lanassa nordenskiøldi			0.5	0.71
Lanassa venusta			0.4	0.70
Laonice cirrata	0.8	1.03	0.7	0.67
Lumbrineris fragilis	3.5	2.22	2.5	1.51
Maldane sarsi	7.0	6.06	3.3	4.72
Melinna cristata			0.1	0.32
Myriochele sp.	0.9	0.88	0.6	0.84
Neoamphitrite figulus			0.4	0.97
Nephtys ciliata	0.6	1.07	0.6	1.07
Nephtys paradoxa	0.2	0.42	0.2	0.42
Nereis virens			0.1	0.32
Ophelina acuminata	0.3	0.67	0.2	0.42
Ophiodromus flexuosus	0.6	0.52	1.0	1.05
Paraonis gracilis	0.5	1.27		
Pectinaria koreni	0.2	0.42	0.1	0.32
Pholoe minuta	0.3	0.48	0.3	0.48
Polynoidae indet.			0.1	0.32

Table 24. cont.

	1972 JUNE		1972 OCT.		1973 JUNE		1973 OCT.		1974 JUNE		1974 OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Polyphysia crassa	0.1	0.32	0.1	0.32								
Praxillella gracilis	1.0	1.05	0.5	0.85								
Rhodine gracilior	0.1	0.32										
Sabellidae indet.			0.4	0.52								
Scalibregma inflatum	0.1	0.32	0.3	0.48								
Scoloplos armiger	0.1	0.32										
Spionidae indet.	1.7	1.16	10.2	5.31								
Streblosoma bairdi	0.8	1.23	0.5	0.71								
Syllidae indet.	0.1	0.32	0.4	0.70								
Terebellides stroemi	0.2	0.42	0.2	0.42								
Trichobranchus roseus	0.2	0.63	1.1	1.29								
Trochochaeta multisetosa	0.2	0.42										
Abra alba	58.8	22.91	5.2	3.49								
Abra nitida	9.5	5.93	6.0	3.74								
Corbula gibba	4.8	2.25	49.8	20.83								
Hiatella arctica	0.3	0.48	1.4	1.51								
Montacuta sp.			0.1	0.32								
Montacuta tenella			0.1	0.32								
Musculus niger			0.1	0.32								
Mya arenaria			0.1	0.32								
Mysella bidentata			0.2	0.42								
Nuculana minuta	0.1	0.32										
Parvicardium minimum	0.2	0.42	0.9	1.10								
Thracia sp.			0.2	0.42								
Thyasira sp.	0.8	1.03	1.9	1.52								
Phoronis mülleri	0.1	0.32	0.1	0.32								
Dentalium entale	0.2	0.42	0.5	0.71								
Onchnesoma steenstrupi	0.6	1.26										
Phascolion strombi	0.1	0.32										
Diversity: λ	0.71		0.80									
Diversity: H	2.18		2.51									
Diversity: d	7.39		8.76									
Sampling efficiency:	0.984 <S<1		0.976 <S<1									

Table 25. Station VD 2, 50 m

	1974 JUNE $\bar{X}$	JUNE s	OCT. $\bar{X}$	OCT. s
Pennatula phosphorea	0.3	0.67		
Virgularia mirabilis	0.9	0.88	0.4	0.84
Ctenodiscus crispatus	0.5	0.53		
Chaetoderma nitidulum	1.7	2.41	0.1	0.32
Amphipoda indet.	1.4	2.07	7.1	3.54
Cumacea indet.	0.2	0.42	0.7	0.67
Holothuroidea indet.	0.2	0.42		
Nemertini indet.	1.9	1.20	0.9	0.99
Amphilepis norvegica	0.4	0.84		
Amphiura chiajei	11.2	3.29	8.1	4.75
Amphiura filiformis			1.0	1.15
Ophiura sarsi	1.0	1.15	0.2	0.63
Ophiura sp.	0.7	0.95	0.2	0.42
Ampharetidae indet.			0.2	0.42
Anaitides sp.			0.1	0.32
Anobothrus gracilis	0.1	0.32		
Aphrodita aculeata	0.1	0.32		
Asychis biceps	0.1	0.32		
Brada villosa			0.1	0.32
Capitellidae indet.	0.5	0.71		
Ceratocephale loveni	0.5	0.71	0.5	0.71
Chaetozone setosa	0.3	0.48		
Diplocirrus glaucus	0.7	0.95	1.8	1.14
Driloneris filum	1.8	1.14	1.4	1.17
Glycera rouxii			0.6	0.84
Glycera sp.	0.1	0.32		
Goniada maculata	0.2	0.42		
Harmothoe sp.			0.4	0.52
Heteromastus filiformis	1.9	1.37	8.2	4.61
Hydroides norvegica			0.1	0.32
Laonice cirrata			0.1	0.32
Lumbrineris fragilis				
Maldane sarsi	81.7	31.77	90.8	26.89
Myriochele sp.	1.6	1.71	2.2	1.62
Neoamphitrite grayi	0.8	2.53	0.1	0.32
Nephtys ciliata	0.1	0.32		
Nephtys paradoxa	0.4	0.70	0.3	0.48
Ophelina norvegica	0.2	0.42		
Ophiodromus flexuosus	0.8	0.79	1.4	1.35
Owenia fusiformis	0.1	0.32	2.8	1.99
Paramphinome jeffreysi	0.3	0.67	0.1	0.32
Pectinaria auricoma	0.1	0.32		
Pectinaria koreni	0.4	0.52	0.3	0.48
Pholoe minuta	1.2	1.40	3.0	2.26
Phyllodocidae indet.	0.2	0.42	0.1	0.32
Phylo norvegicus	0.3	0.67		

Table 25. cont.

	1974 JUNE $\bar{X}$	1974 JUNE s	1974 OCT. $\bar{X}$	1974 OCT. s	1973 JUNE $\bar{X}$	1973 JUNE s	1973 OCT. $\bar{X}$	1973 OCT. s	1974 JUNE $\bar{X}$	1974 JUNE s	1974 OCT. $\bar{X}$	1974 OCT. s
Polyphysia crassa	0.1	0.32										
Praxillella gracilis	0.2	0.42										
Praxillella praetermissa	0.1	0.32										
Rhodine sp.	0.1	0.32										
Sabellidae indet.	0.4	0.52										
Scalibregma inflatum			0.3	0.48								
Sphaerodorum gracilis	0.1	0.32										
Streblosoma bairdi	1.3	1.34										
Syllidae indet.	0.3	0.48										
Terebellides stroemi			0.1	0.32								
Trochochaeta multisetosa	0.2	0.42										
Abra alba	20.8	15.42	73.3	34.68								
Abra nitida	16.5	8.42	16.3	3.80								
Corbula gibba			0.1	0.32								
Hiatella arctica			0.1	0.32								
Limatula sulcata			0.1	0.32								
Mya arenaria			0.1	0.32								
Mytilus edulis	0.1	0.32										
Parvicardium minimum			0.3	0.48								
Thyasira sp.	1.8	1.87	0.4	0.52								
Yoldiella sp.			0.2	0.42								
Dentalium entale			0.1	0.32								
Phascolion strombi	0.1	0.32										
Diversity: λ	0.70		0.72									
Diversity: H	1.94		1.77									
Diversity: d	6.93		5.31									
Sampling efficiency:	0.987 <S<1		0.991 <S<1									

Table 26. Station KV 2, 50 m

	1972				1973			
	JUNE		OCT.		JUNE		OCT.	
	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s
Chaetoderma nitidulum	0.5	0.71	0.3	0.67	0.2	0.42	0.9	1.20
Acanthochiton fascicularis							0.1	0.32
Amphipoda indet.	0.3	0.48	3.7	1.57	0.9	0.99	0.4	0.52
Cumacea indet.	0.7	1.25	3.5	1.35	0.2	0.42	0.5	0.53
Regularia indet.	0.1	0.32						
Admete viridula	0.1	0.32						
Balcis sp.							0.1	0.32
Cylichna alba	0.1	0.32						
Eulimella scillae					0.1	0.32		
Clelandella miliaris							0.2	0.63
Lunatia pallida	0.1	0.32						
Philine quadrata			0.1	0.32				
Holothuroidea indet.					0.2	0.42	0.1	0.32
Nemertini indet.			0.4	0.70	0.4	0.52	0.7	0.82
Amphiura chiajei	0.1	0.32	0.3	0.48	0.3	0.48	0.1	0.32
Amphiura filiformis	0.1	0.32	1.5	2.76			0.4	0.70
Amphiura sp.			0.5	0.71	0.1	0.32		
Ophiura affinis							0.3	0.67
Ophiura albida	0.2	0.42						
Ophiuroidea indet.	0.1	0.32						
Ophiura sarsi			0.4	0.70	0.3	0.67		
Ophiura sp.							0.1	0.32
Ampharetidae indet.					0.2	0.42	0.4	0.70
Amphicteis gunneri	0.2	0.63	0.2	0.42	0.1	0.32		
Anaitides sp.	0.1	0.32	0.1	0.32	0.4	0.70	0.1	0.32
Aphrodita aculeata			0.1	0.32				
Asychis biceps	23.2	10.84	25.9	11.31	32.0	7.51	11.4	9.67
Brada villosa	0.1	0.32						
Chaetozone setosa	0.3	0.67	2.8	1.81	0.3	0.48	0.3	0.48
Diplocirrus glaucus	0.4	0.52	1.4	0.84	0.5	0.71	0.6	0.70
Driloneris filum					0.1	0.32		
Eclysippe vanelli			0.1	0.32				
Euclymeninae indet.					0.3	0.67	0.4	0.52
Glycera alba							0.2	0.63
Glycera lapidum	0.1	0.32						
Glycera rouxii	0.1	0.32			0.3	0.67	0.1	0.32
Glycera sp.			0.6	0.70				
Goniada maculata	0.1	0.32	0.1	0.32				
Heteromastus filiformis	0.2	0.63	1.3	1.34	0.1	0.32	0.2	0.42
Laetmonice filicornis			0.1	0.32				
Laonice cirrata	0.4	0.70	1.2	1.14			0.2	0.42
Lumbrineris fragilis	0.3	0.48	1.2	1.32	1.8	0.92	0.7	0.67
Maldanidae indet.							0.2	0.63
Maldane sarsi					0.2	0.63		

Table 26, cont.

	1972 JUNE $\bar{X}$	1972 JUNE s	1972 OCT. $\bar{X}$	1972 OCT. s	1973 JUNE $\bar{X}$	1973 JUNE s	1973 OCT. $\bar{X}$	1973 OCT. s
Melinna cristata	3.2	3.29	1.5	1.35	8.0	4.11	10.4	7.34
Microclymene tricirrata			0.2	0.42	0.1	0.32		
Myriochele sp.	0.5	1.58	0.4	0.70	0.3	0.48	0.9	0.99
Nephtys ciliata	0.1	0.32	0.1	0.32			0.1	0.32
Nephtys paradoxa			0.1	0.32				
Nephtys sp.					0.1	0.32		
Nothria conchylega			0.2	0.42			0.1	0.32
Notomastus latericeus	0.5	0.97	1.6	0.97	0.2	0.42	1.0	0.67
Ophelina acuminata							0.1	0.32
Ophelina norvegica			0.2	0.42				
Ophiodromus flexuosus					0.2	0.42	0.2	0.63
Owenia fusiformis							0.3	0.95
Paramphinome jeffreysi			2.1	2.73	0.1	0.32	0.2	0.63
Paraonis gracilis					0.1	0.32		
Pectinaria koreni	0.1	0.32	0.2	0.63	0.2	0.63	0.2	0.42
Pholoe minuta			0.4	0.84	0.1	0.32	0.4	0.84
Phyllodocidae indet.					0.1	0.32	0.1	0.32
Phylo norvegicus			0.1	0.32				
Polynoidae indet.	0.2	0.42	0.2	0.42			0.3	0.67
Praxillella praetermissa	0.1	0.32	0.6	0.84				
Rhodine gracilior					0.2	0.42		
Rhodine loveni			0.3	0.67			0.1	0.32
Sabellidae indet.					0.1	0.32		
Sabella penicillus	0.6	1.07	0.4	0.52			0.2	0.42
Samytha sexcirrata			0.1	0.32				
Sphaerodorum gracilis			0.1	0.32				
Spiophanes krøyeri			0.1	0.32				
Syllidae indet					0.2	0.42	0.2	0.42
Terebellides stroemi	0.2	0.42	0.4	0.52			0.4	0.52
Thelepus cincinnatus			0.2	0.42			0.3	0.67
Trichobranchus roseus							0.5	1.08
Typosyllis cornuta	0.2	0.42						
Abra alba	0.2	0.42	0.2	0.63	0.2	0.42	0.5	0.97
Abra nitida	6.7	4.32	10.0	5.75	14.4	4.03	3.7	4.55
Bathyarca pectunculoides	0.2	0.42	0.2	0.42	0.1	0.32		
Cardiidae indet.	0.8	0.79						
Ennucula tenuis					0.1	0.32		
Hiatella arctica	0.1	0.32						
Kelliella miliaris			2.8	2.57	0.9	1.60	0.1	0.32
Limatula sp.	2.7	1.70						
Limatula sulcata			1.0	0.82	1.2	1.14	1.8	2.39
Modiolula phaseolinus	0.2	0.42	0.7	1.25	0.8	0.92		
Nuculana minuta	0.1	0.32	0.1	0.32	0.1	0.32		
Nucula tumidula			0.1	0.32				
Palliolum vitreum	0.1	0.32						
Parvicardium minimum			2.1	1.10	0.7	1.06	0.9	1.37
Similipecten similis							0.1	0.32
Thyasira sp.	3.1	2.64	12.9	5.99	14.8	5.71	3.2	2.39
Yoldiella sp.	3.1	1.52	7.1	1.91	8.4	4.25	2.2	1.87
Dentalium entale							0.4	0.97
Dentalium sp.			0.2	0.63				
Onchnesoma squamatum						0.1	0.32	
Onchnesoma steenstrupi	0.1	0.32	3.7	2.06	1.3	1.16		
Phascolion strombi	0.2	0.42			0.1	0.32		
Diversity: λ	0.76		0.89		0.81		0.88	
Diversity: H	2.22		2.81		2.20		2.80	
Diversity: d	7.21		8.01		7.03		8.27	
Sampling efficiency:	0.946 <S<1		0.978 <S<1		0.973 <S<1		0.955 <S<1	

Table 27. Station KV 3, 100 m

	1972				1973							
	JUNE		OCT.		JUNE		OCT.					
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Stylatula elegans					0.2	0.42						
Chaetoderma nitidulum	0.5	0.71	0.3	0.67	0.8	0.92	0.4	0.52				
Amphipoda indet.	0.1	0.32	2.4	2.91	0.1	0.32						
Calocharis macandreae	0.3	0.67	0.2	0.63								
Cumacea indet.	0.2	0.42	0.1	0.32	0.1	0.32						
Geryon tridens			0.2	0.42	0.1	0.32	0.1	0.32				
Iothia fulva					0.1	0.32						
Philine quadrata			0.2	0.42								
Retusa umbilicata			0.1	0.32								
Skenea basistriata					0.1	0.32						
Nemertini indet.			0.8	1.03	0.5	0.53	0.6	0.84				
Amphilepis norvegica	3.0	2.05	4.1	3.00	5.5	3.75						
Amphiura chiajei			0.2	0.42								
Amphiura filiformis							0.6	1.26				
Amphiura sp.	0.1	0.32										
Ophiura sp.					0.2	0.42						
Ampharetidae indet.							0.1	0.32				
Amphicteis gunneri	0.2	0.42			0.1	0.32						
Asychis biceps	0.6	0.84	0.6	0.84	1.2	1.23	0.6	0.52				
Brada villosa	0.4	0.70	0.1	0.32	0.1	0.32						
Dasybranchus caducus			0.2	0.42	0.5	0.53	0.5	0.71				
Diplocirrus glaucus					0.5	0.71	0.1	0.32				
Driloneris filum					0.1	0.32						
Eclysippe vanelli			0.1	0.32								
Euclymeninae indet.	1.3	1.16			2.2	2.39	0.4	0.52				
Eunice pennata	0.1	0.32	0.3	0.48	0.1	0.32						
Goniada maculata							0.2	0.42				
Heteromastus filiformis					0.2	0.63	0.1	0.32				
Leiochone borealis			2.8	3.16								
Lumbrineris fragilis	0.4	0.70	0.7	0.67	0.3	0.48	0.2	0.42				
Maldane sarsi	0.6	1.35			0.2	0.63	0.2	0.63				
Melinna cristata	0.3	0.67			0.9	1.66	0.1	0.32				
Myriochele sp.	0.3	0.48	3.6	7.35	0.8	2.20	0.2	0.42				
Nephtys ciliata			0.1	0.32								
Nephtys incisa	0.2	0.42					0.1	0.32				
Nephtys paradoxa							0.3	0.67				
Nephtys sp.					0.2	0.42						
Ophelina norvegica			0.1	0.32								
Paramphinome jeffreysi	0.6	0.70	0.3	0.48	0.9	0.74	0.2	0.42				
Pholoe minuta	0.3	0.67	0.1	0.32	0.4	0.52						
Phyllodocidae indet.					0.1	0.32						
Phylo norvegicus			0.9	0.99	0.7	0.82	0.4	0.52				
Polynoidae indet.							0.1	0.32				
Polyphysia crassa					0.1	0.32						
Rhodine loveni	1.9	1.60	0.9	0.99			1.5	1.51				
Rhodine sp.					0.8	0.79						

Table 27. cont.

	1972 JUNE		1972 OCT.		1973 JUNE		1973 OCT.		1974 JUNE		1974 OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Sabellidae indet.							0.1	0.32				
Scoloplos armiger	0.7	0.67										
Spionidae indet.			0.1	0.32								
Streblosoma bairdi	0.1	0.32										
Steblosoma intestinalis			0.2	0.42			0.2	0.42				
Terebellides stroemi	0.1	0.32										
Thelepus cincinnatus			0.2	0.42								
Thelepinae indet.					0.4	0.70						
Abra nitida	1.8	1.99	3.9	2.81	1.8	1.62	0.7	0.95				
Astarte sulcata					0.3	0.48						
Bathyarca pectunculoides	0.2	0.42	0.1	0.32	0.7	0.95						
Chlamys sulcata					0.1	0.32						
Cuspidaria sp.			0.1	0.32			0.1	0.32				
Kelliella miliaris			1.1	2.42	1.0	1.33	0.1	0.32				
Limatula sp.	0.1	0.32										
Nucula nucleus							0.5	0.71				
Nucula sp.	0.4	0.52										
Nucula tumidula			0.6	0.70	0.4	0.52						
Palliolum vitreum	0.1	0.32			0.7	1.25						
Pectinidae indet.					0.1	0.32	0.1	0.32				
Pseudamussium septemradiatum					0.1	0.32						
Thyasira sp.	0.4	0.84	1.9	1.60	1.4	2.07	0.5	0.71				
Tropidomya abbreviata							0.1	0.32				
Yoldiella sp.	2.1	2.23	2.2	2.53	3.9	3.38	0.5	1.27				
Phoronis mülleri			0.1	0.32								
Entalina quinquangularis					0.1	0.32						
Onchnesoma squamatum					0.2	0.42						
Onchnesoma steenstrupi	19.5	10.81	21.4	11.91	25.0	10.31	2.9	3.18				
Polycladia indet.					0.1	0.32						
Diversity: λ	0.70		0.80		0.77		0.92					
Diversity: H	2.04		2.34		2.37		2.94					
Diversity: d	4.91		5.61		7.14		6.39					
Sampling efficiency:	0.962 <S<1		0.965 <S<1		0.956 <S<1		0.850 <S<1					

Table 28. Station KV 4, 208 m

	1972				1973							
	JUNE		OCT.		JUNE		OCT.					
	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s
Stylatula elegans	0.1	0.32	0.2	0.42	0.4	0.97						
Virgularia mirabilis							0.1	0.32				
Amphipoda indet.	3.9	3.18	2.1	3.14	0.4	0.52	1.1	1.45				
Calocharis macandreae	0.2	0.42			0.1	0.32	0.1	0.32				
Cumacea indet.			0.1	0.32	0.2	0.63						
Geryon tridens	0.1	0.32	0.2	0.42								
Nemertini indet.			0.2	0.42	0.6	0.84	0.7	1.06				
Amphilepis norvegica	2.0	1.76	3.3	2.62	4.2	1.55						
Amphiura filiformis							0.4	0.70				
Ophiura sarsi	0.2	0.63										
Ophiura sp.	0.1	0.32	0.2	0.63								
Amage auricula			0.1	0.32								
Ampholeis gunneri	0.1	0.32										
Asychis biceps	0.4	0.70	0.7	0.95	0.9	0.74	0.8	0.92				
Brada villosa	0.2	0.42			0.3	0.48						
Chaetozone setosa					0.2	0.63	0.1	0.32				
Dasybranchus caducus					0.1	0.32	0.1	0.32				
Diplocirrus glaucus	0.1	0.32										
Euclymeninae indet.	0.1	0.32	0.2	0.42								
Glycera sp.					0.1	0.32	0.1	0.32				
Goniada maculata							0.1	0.32				
Heteromastus filiformis	0.8	1.03	0.2	0.42	0.1	0.32	0.1	0.32				
Leiochone borealis					0.4	0.52						
Lumbrineris fragilis	0.6	0.52	1.8	1.03	1.0	0.82	0.6	0.84				
Maldanidae indet.			0.1	0.32								
Myriochele sp.	0.3	0.67	0.3	0.48	0.9	2.51	6.8	6.65				
Nephtys incisa	0.2	0.42			0.3	0.48	0.2	0.42				
Nephtys paradoxa	0.1	0.32	0.4	0.70								
Onuphis quadricuspis			0.1	0.32								
Ophelina norvegica							0.1	0.32				
Paramphinome jeffreysi	0.2	0.42	0.1	0.32	0.1	0.32						
Pectinaria auricoma					0.1	0.32						
Pholoe minuta	0.3	0.67			0.1	0.32						
Sphio norvegicus			0.9	0.88	0.3	0.48	1.1	1.45				
Pista cristata					0.1	0.32						
Polynoidae indet.							0.2	0.63				
Polyphysia crassa	0.2	0.42	0.1	0.42	0.2	0.42	0.4	0.84				
Rhodine loveni	0.4	0.97	[illegible]	0.71	0.5	0.71	0.7	0.48				
Scoloplos armiger	1.6	0.84										
Sphaerodorum gracilis					0.1	0.32						
Spiochaetopterus			0.3	0.95								
Terebellidae indet.					0.1	0.32						
Terebellides stroemi			0.1	0.32	0.1	0.32						
Abra nitida	9.7	5.52	4.4	1.96	4.2	2.53	2.9	1.29				
Cardiidae indet.	0.3	0.48										
Kelia sp.	0.1	0.32										
Kellieella miliaris			0.2	0.42	0.5	0.71						
Nucula nucleus							0.5	0.53				
Nucula sp.	2.2	1.62										
Nucula tumidula			1.6	1.78	2.8	1.75						
Palliolum vitreum	0.1	0.32			0.2	0.63						
Thyasira sp.	3.5	2.46	1.3	1.42	2.3	2.00	1.2	0.92				
Yoldiella sp.	1.6	1.35	0.7	0.82	1.3	1.16	0.9	0.88				
Phoronis mülleri					0.1	0.32						
Entalia quinquangularis					0.3	0.67						
Onchnesoma steenstrupi	14.3	7.86	7.4	6.19	10.8	4.37	2.3	4.30				
Diversity: λ	0.83		0.87		0.86		0.86					
Diversity: H	2.26		2.53		2.54		2.43					
Diversity: d	4.93		4.97		5.99		4.28					
Sampling efficiency:	0.964 <S<1		0.957 <S<1		0.944 <S<1		0.931 <S<1					

Table 29. Station SK 1, 20 m

	1972				1973				1974			
	JUNE		OCT.		JUNE		OCT.		JUNE		OCT.	
	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s	$\bar{X}$	s
Virgularia mirabilis									0.5	0.71		
Asteroidea indet.			0.1	0.32								
Ctenodiscus crispatus									0.1	0.32		
Chaetoderma nitidulum					0.4	0.52	0.3	0.67	0.7	1.06	0.8	0.92
Amphipoda indet.			1.1	1.10	0.5	1.27	0.9	1.10			0.5	1.27
Cumacea indet.			0.2	0.63							0.2	0.42
Echinocardium cordatum							0.1	0.32				
Echinocardium flavescens	0.1	0.32										
Aporrhais pespelicani	0.1	0.32			0.2	0.63						
Buccinum sp.			0.1	0.32					0.1	0.32		
Buccinum undatum	0.5	0.53			0.1	0.32						
Menestho divisa					0.1	0.32						
Philine scabra							0.2	0.42				
Holothuroidea indet.	0.1	0.32			0.8	1.32	1.0	1.89	1.5	1.18	0.3	0.48
Nemertini indet.			0.5	0.53	0.8	0.79	0.5	0.71	1.3	1.06	0.3	0.48
Amphiura chiajei			0.3	0.48	0.3	0.67	0.1	0.32	0.9	0.74	0.6	0.97
Amphiura filiformis	0.1	0.32	0.1	0.32	0.5	0.71	0.3	0.48	0.7	1.06	0.7	1.06
Ophiura albida							1.0	1.33	0.1	0.32	1.6	0.97
Ophiura robusta							0.2	0.42				
Ophiura sarsi			0.2	0.42	0.2	0.63						
Ophiura sp.			0.1	0.32	1.8	1.40	0.3	0.48	0.5	0.85	0.5	0.85
Ophiura texturata							0.1	0.32				
Ampharetidae indet.									0.2	0.42		
Amphicteis gunneri			0.1	0.32								
Anaitides sp.	0.6	0.52	0.8	0.79	0.2	0.42	0.5	0.71			0.1	0.32
Anobothrus gracilis									0.1	0.32		
Aphrodita aculeata					0.1	0.32						
Asychis biceps							0.1	0.32				
Braga villosa			0.2	0.63	0.3	0.67			0.3	0.67	0.2	0.63
Chaetozone setosa	0.1	0.32									0.2	0.63
Cirratulus cirratus			0.1	0.32					0.6	0.97		
Diplocirrus glaucus	0.3	0.48			0.2	0.42					1.5	3.47
Euchone papillosa									0.1	0.32	0.1	0.32
Glycera alba	1.0	0.82	0.8	0.79	0.9	1.45	1.1	1.29	1.0	0.67	0.5	0.53
Glycera rouxii									0.1	0.32		
Goniada maculata	1.0	1.05	1.4	1.07	1.9	1.29	1.2	0.63	1.2	0.79	1.5	0.97
Heteromastus filiformis											0.7	1.89
Lanassa venusta									0.5	0.71	0.1	0.32
Laonice cirrata	0.4	0.97	1.7	1.25	0.2	0.63	0.8	0.92	2.2	1.55	1.7	0.95
Lumbrineris fragilis	0.6	0.70	0.8	0.79	0.8	1.03	0.9	1.37	2.1	2.02	0.9	0.88
Maldanidae indet.									0.4	0.52		
Maldane sarsi	0.2	0.42			1.6	2.22	0.2	0.63	9.1	4.86	1.1	1.52
Myriochele sp.	16.3	13.52			15.0	12.04	10.9	11.69	15.6	15.89	20.0	18.47
Neoamphitrite grayi							0.1	0.32	0.1	0.32		

Table 29. cont.

	1972 JUNE		1972 OCT.		1973 JUNE		1973 OCT.		1974 JUNE		1974 OCT.	
	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s
Nephtys ciliata	0.1	0.32	0.1	0.32	0.3	0.48	0.4	0.52	0.3	0.48	0.6	0.84
Nephtys hombergi	0.1	0.32										
Nephtys incisa									0.1	0.32		
Nephtys paradoxa							0.1	0.32			0.3	0.67
Nereimyra punctata			0.1	0.32								
Nereis sp.					0.1	0.32						
Nereis virens	0.6	0.70	0.3	0.48								
Ophelina acuminata			0.2	0.42			0.5	0.97	0.3	0.48	0.1	0.32
Ophiodromus flexuosus			0.1	0.32			0.6	0.97	0.6	0.70	0.3	0.48
Owenia fusiformis			0.1	0.32					1.0	1.41	0.2	0.63
Paramphinome jeffreysi											0.4	1.26
Paraonis gracilis			0.1	0.32					0.1	0.32		
Pectinaria auricoma					0.3	0.67			0.7	0.95	0.1	0.32
Pectinaria koreni	0.9	1.45	0.9	1.29	1.7	1.42	1.3	1.06	1.6	0.97	11.7	8.92
Pholoe minuta	3.9	3.38	8.7	4.22	0.9	0.74	2.1	2.38	0.5	0.71	5.0	4.35
Phyllodocidae indet.											0.1	0.32
Rhodine gracilior			0.2	0.42					4.5	4.09	0.9	0.88
Rhodine sp.					0.5	0.71	0.1	0.32				
Sabellidae indet.							0.1	0.32				
Scalibregma inflatum											0.1	0.32
Scoloplos armiger	3.6	3.78	23.1	5.92	7.9	5.97	14.4	4.14	2.5	1.65	11.4	4.43
Sphaerodorum gracilis							0.1	0.32				
Spio filicornis			0.2	0.42								
Spionidae indet.									0.1	0.32		
Syllidae indet.	0.6	1.07	0.1	0.32	0.4	0.70	0.1	0.32	0.3	0.48		
Terebellides stroemi									2.5	2.32	0.8	1.32
Trichobranchus roseus									1.1	0.99	0.3	0.48
Abra alba	1.5	1.65	4.8	2.25	11.0	11.18	3.8	2.86	1.2	1.55	5.1	3.96
Abra nitida	15.9	7.49	8.5	6.29	11.0	7.21	14.3	9.07	29.5	18.73	27.2	14.34
Acanthocardia echinata							0.1	0.32				
Astarte montagui							0.1	0.32				
Corbula gibba			0.2	0.42	0.3	0.48	0.4	0.70	0.2	0.42	0.7	0.82
Ennucula tenuis					0.1	0.32			0.1	0.32	0.1	0.32
Hiatella arctica											0.2	0.42
Limatula sulcata											0.5	1.58
Macoma calcarea	1.3	1.57	19.0	12.36	10.7	4.62	7.3	2.71	2.0	1.70	3.5	2.27
Musculus niger					0.1	0.32						
Mya arenaria							0.1	0.32				
Mya sp.	0.1	0.32	0.3	0.48			0.1	0.32				
Mysella bidentata			0.1	0.32	0.2	0.42	0.6	1.26	0.1	0.32		
Spisula sp.											0.1	0.32
Thracia sp.									0.1	0.32	0.4	0.52
Thyasira sp.	123.5	31.47	151.3	43.87	178.5	56.11	103.6	25.98	37.8	18.61	156.6	88.55
Yoldiella sp.					0.1	0.32			0.1	0.32	0.1	0.32
Phoronis mülleri	0.3	0.95										
Onchnesoma steenstrupi					0.4	0.52					0.1	0.32
Phascolion strombi			0.1	0.32	0.2	0.42			0.3	0.48		
Sipunculida indet.											0.1	0.32
Polycladia indet.					0.1	0.32					0.2	0.42
Diversity: λ	0.48		0.54		0.49		0.61		0.84		0.62	
Diversity: H	1.19		1.35		1.33		1.65		2.42		1.70	
Diversity: d	3.62		4.79		5.11		5.51		6.85		6.48	
Sampling efficiency:	0.991 <S<1		0.990 <S<1		0.994 <S<1		0.987 <S<1		0.983 <S<1		0.993 <S<1	

Table 30. Station SK 2, 50 m

	1972				1973				1974			
	JUNE		OCT.		JUNE		OCT.		JUNE		OCT.	
	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s
Funiculina quadrangularis	0.1	0.32										
Stylatula elegans			0.1	0.32			0.1	0.32			0.2	0.42
Chaetoderma nitidulum	0.6	0.97	0.2	0.42	0.9	0.88	0.5	0.53	2.1	1.45	0.6	0.84
Amphipoda indet.	1.5	2.32	1.3	0.82	0.3	0.67	1.2	1.03	1.4	1.51	4.8	2.53
Calocharis macandreae	0.1	0.32										
Cumacea indet.	0.9	1.29	1.0	1.05	4.3	4.19	0.3	0.67	2.5	2.01	2.8	3.61
Geryon tridens					0.1	0.32	0.1	0.32				
Lunatia pallida											0.1	0.32
Philine quadrata			0.4	0.70								
Philine scabra						0.1	0.32					
Philine sp.	0.1	0.32										
Retusa umbilicata			0.1	0.32								
Holothuroidea indet.									0.2	0.42		
Nemertini indet.			0.9	1.10	1.0	0.94	1.0	0.82	1.5	1.08	1.2	1.14
Amphilepis norvegica					0.2	0.42						
Amphiura chiajei			0.3	0.48	0.5	0.71	0.4	0.52	0.7	0.82	0.7	0.67
Amphiura filiformis	0.3	0.48			0.8	1.03	0.2	0.42			0.3	0.48
Amphiura sp.			0.1	0.32	0.1	0.32						
Ophiura albida	0.2	0.42					0.3	0.48			1.0	1.05
Ophiura sarsi			0.2	0.42	0.1	0.32	0.1	0.32			0.2	0.63
Ophiura sp.					0.5	0.97	0.1	0.32	0.3	0.67	0.7	0.95
Ampharetidae indet.	0.1	0.32										
Antinoella sarsi	0.3	0.48										
Aphrodita aculeata					0.1	0.32						
Asychis biceps	0.6	1.07	0.7	1.25			0.2	0.42			0.1	0.32
Chaetozone setosa	0.2	0.42	0.5	0.71					0.5	0.71	0.3	0.67
Dasybranchus caducus	0.2	0.42										
Diplocirrus glaucus	3.9	2.02	5.0	4.14	2.2	1.14	1.9	1.60	13.0	4.32	14.4	6.96
Driloneris filum			0.1	0.32			0.3	0.48	0.6	0.70	0.1	0.32
Euclymeninae indet.									1.2	1.14		
Glycera alba	0.1	0.32			0.3	0.48						
Glycera rouxii	0.9	0.88	0.2	0.42	0.1	0.32	0.4	0.70	0.3	0.48		
Goniada maculata	0.3	0.48	0.1	0.32	0.5	0.53	0.4	0.52	0.3	0.48	0.2	0.63
Heteromastus filiformis	0.5	0.71	0.5	0.85					4.8	3.29	3.0	2.40
Laonice cirrata	0.2	0.42	0.1	0.32	0.1	0.32					0.3	0.67
Leiochone borealis											0.4	0.70
Lumbrineris fragilis	1.1	1.45	0.1	0.32	0.2	0.63	0.2	0.42	0.5	0.71		
Lumbriclymene minor	0.1	0.32										
Maldanidae indet.					0.2	0.42			0.2	0.42		
Maldane sarsi	0.3	0.67	0.1	0.32	0.1	0.32			0.2	0.63	5.2	7.45
Melinna cristata	0.1	0.32					0.6	0.84				
Myriochele sp.	1.5	1.58	1.2	1.23	1.8	1.87	1.1	0.88	1.4	1.51	0.8	0.63
Nephtys ciliata	0.7	0.95	0.9	0.88	0.8	1.32	0.1	0.32				
Nephtys incisa									0.1	0.32		
Nephtys paradoxa	0.2	0.63	0.3	0.67	0.5	0.53	0.6	0.97	0.3	0.48	0.6	0.84
Notomastus latericeus							0.2	0.63				

Table 30. cont.

	1972 JUNE		1972 OCT.		1973 JUNE		1973 OCT.		1974 JUNE		1974 OCT.	
	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s	$\bar{x}$	s
Ophelina norvegica							0.1	0.32				
Ophiodromus flexuosus	0.4	0.70	0.2	0.42	0.4	0.52	0.3	0.48	0.8	0.79	0.1	0.32
Owenia fusiformis							0.3	0.67			0.2	0.42
Paramphinome jeffreysi	2.6	2.50	5.6	4.84	1.9	1.37	1.4	0.97	3.1	2.60	2.6	3.20
Pectinaria koreni							0.1	0.32				
Pholoe minuta	0.6	1.58	0.2	0.63	0.3	0.67	0.1	0.32	0.2	0.63	0.5	0.71
Phylo norvegicus					0.3	0.48	0.3	0.67	0.1	0.32	0.2	0.42
Polycirrus sp.	0.1	0.32										
Polynoidae indet.			0.4	0.70			0.4	0.52			0.5	0.85
Praxillella gracilis	0.1	0.32	0.3	0.48	0.8	0.79	0.2	0.42			0.4	0.52
Praxillella praetermissa	2.8	2.53	2.9	1.52	0.5	0.85	1.6	0.97			1.1	0.99
Sabella penicillus	0.1	0.32										
Samytha sexcirrata			0.1	0.32								
Scoloplos armiger	0.3	0.48										
Spionidae indet.											0.1	0.32
Spiophanes krøyeri	0.3	0.48										
Syllidae indet.	0.1	0.32							0.6	1.07		
Terebellides stroemi	0.1	0.32	0.5	0.71	0.3	0.48	0.2	0.63	0.1	0.32	0.9	1.10
Trichobranchus roseus	0.2	0.42			0.2	0.42	0.1	0.32	0.3	0.67	0.1	0.32
Abra alba	7.9	7.48	12.2	3.05	10.6	4.40	20.3	10.46	6.5	2.84	13.4	5.52
Abra nitida	12.9	7.87	19.3	6.99	13.1	4.18	10.1	6.98	36.6	12.41	29.6	14.37
Arctica islandica					0.1	0.32					0.1	0.32
Cardiidae indet.	0.1	0.32										
Corbula gibba					0.1	0.32						
Ennucula tenuis	0.1	0.32					0.2	0.42				
Kelliella miliaris			0.2	0.42	0.2	0.63						
Limatula sp.	0.2	0.63									0.1	0.32
Limatula sulcata			0.1	0.32			0.7	0.82	0.9	0.88	3.5	2.46
Modiolus modiolus			0.1	0.32								
Mytilus edulis					0.1	0.32						
Parvicardium minimum			0.4	0.70	0.2	0.42	0.5	0.71	0.6	1.07	2.0	1.94
Thyasira sp.	14.1	8.12	30.3	12.04	21.6	7.07	15.5	4.65	8.0	3.77	6.8	4.42
Tropidomya abbreviata											0.2	0.42
Yoldiella sp.	1.2	1.03	4.0	2.91	1.3	1.16	1.3	1.64	1.4	0.52	1.9	1.37
Phoronis mülleri			0.1	0.32								
Onchnesoma steenstrupi			0.4	0.97								
Phascolion strombi	0.2	0.42			0.3	0.48	0.2	0.42				
Polycladia indet.							0.1	0.32	0.1	0.32		
Diversity: λ	0.87		0.82		0.83		0.82		0.80		0.87	
Diversity: H	2.59		2.24		2.36		2.31		2.27		2.57	
Diversity: d	7.04		5.86		6.13		6.65		4.84		5.92	
Sampling efficiency:	0.964 <S<1		0.979 <S<1		0.975 <S<1		0.972 <S<1		0.990 <S<1		0.985 <S<1	

Table 31. Station VB 1, 20 m

	1974 JUNE $\bar{X}$	s
Puniculina quadrangularis	0.1	0.32
Ctenodiscus crispatus	0.3	0.48
Chaetoderma nitidulum	0.4	0.52
Amphipoda indet.	0.3	0.95
Cumacea indet.	1.3	1.25
Brissopsis lyrifera	0.1	0.32
Oenopota cancellata	0.1	0.32
Holothuroidea indet.	0.1	0.32
Nemertini indet.	1.1	0.74
Amphiura chiajei	0.1	0.32
Amphiura filiformis	0.1	0.32
Amphiura sp.	0.1	0.32
Ophiura sp.	0.1	0.32
Ampharetidae indet.	0.1	0.32
Asychis biceps	0.9	1.37
Chaetozone setosa	1.0	1.15
Cirratulidae indet.	0.1	0.32
Diplocirrus glaucus	4.8	3.36
Euclymininae indet.	0.3	0.48
Clycera alba	0.1	0.32
Goniada maculata	0.6	0.70
Heteromastus filiformis	1.4	1.07
Maldanidae indet.	0.1	0.32
Maldane sarsi	1.2	1.14
Myriochele sp.	4.8	3.94
Nephtys incisa	0.1	0.32
Ophiodromus flexuosus	0.7	0.82
Owenia fusiformis	15.4	22.11
Paramphinome jeffreysi	0.1	0.32
Scoloplos armiger	0.1	0.32
Spiochaetopterus typicus	0.1	0.32
Spionidae indet.	0.1	0.32
Syllidae indet.	0.1	0.32
Terebellides stroemi	1.7	0.95
Thelepus cincinnatus	0.1	0.32
Trichobranchus roseus	0.1	0.32
Abra nitida	4.3	2.45
Astarte sulcata	0.1	0.32
Parvicardium minimum	0.1	0.32
Teredo sp.	0.2	0.63
Thyasira sp.	4.2	2.15
Yoldiella sp.	0.2	0.42
Phoronis mülleri	0.1	0.32
Onchnesoma steenstrupi	0.2	0.42
Phascolion strombi	0.2	0.42

Diversity:	λ	0.86
	H	2.55
	d	7.13

Sampling efficiency: 0.932 <S<1

Table 32. Station VB 2, 50 m

	1974 JUNE $\bar{X}$	JUNE s	OCT. $\bar{X}$	OCT. s
Virgularia mirabilis	0.1	0.32		
Ctenodiscus crispatus	0.1	0.32	0.4	0.52
Chaetoderma nitidulum	0.1	0.32	0.2	0.42
Amphipoda indet.	2.2	2.44	3.7	2.83
Calocharis macandreae			0.1	0.32
Cumacea indet.	0.2	0.42	0.5	0.71
Brisaster fragilis	0.1	0.32		
Brissopsis lyrifera	0.4	0.52		
Nemertini indet.	0.7	1.06	0.9	0.74
Amphilepis norvegica	0.3	0.67		
Amphiura chiajei	0.1	0.32		
Amphiura filiformis			0.1	0.32
Asychis biceps	0.3	0.48	0.1	0.32
Chaetozone setosa	2.3	1.70	10.6	6.40
Diplocirrus glaucus	1.2	1.14	0.3	0.48
Driloneris filum	0.1	0.32		
Euclymeninae indet.			0.1	0.32
Heteromastus filiformis	2.2	1.62	8.7	4.27
Laonice cirrata	0.2	0.42		
Lumbrineris fragilis	0.4	0.52		
Maldanidae indet.	0.1	0.32		
Maldane sarsi	1.1	1.60	0.1	0.32
Myriochele sp.	1.1	1.91	0.5	0.97
Nephtys paradoxa			0.1	0.32
Ophiodromus flexuosus	0.2	0.42	0.1	0.32
Owenia fusiformis	0.1	0.32		
Panthalis oerstedi	0.1	0.32		
Paramphinome jeffreysi	0.1	0.32	0.4	0.70
Pectinaria auricoma			0.2	0.42
Pectinaria belgica	0.1	0.32		
Pectinaria koreni			0.2	0.42
Phylo norvegicus	0.1	0.32	1.6	1.07
Praxillella gracilis			0.4	0.70
Praxillella praetermissa			0.1	0.32
Rhodine gracilior	0.1	0.32		
Scoloplos armiger			0.1	0.32
Streblosoma hairdi	0.1	0.32		
Terebellides stroemi	1.2	1.48	0.1	0.32
Abra alba	0.2	0.42		
Abra nitida	1.8	1.32	0.5	0.71
Thyasira sp.	0.6	0.70	2.4	1.90
Phascolion strombi	0.1	0.32		
Diversity: λ	0.93		0.80	
Diversity: H	2.88		2.08	
Diversity: G	6.16		4.32	
Sampling efficiency:	0.874 <S<1		0.948 <S<1	

Table 33.

Qualitative similarity (cc)

	BV1	BV2	BV3	FT1	FT2	FT3	KV2	KV3	KV4	OF1	OF2	OF3	OF4	SD1	SD2	SF1	SF2	SK1	SK2	TH1	TH2	TH3	VB1	VB2	VD1	VD2	YØ1	AF1	AF2	AF3
BV1		54	34	42	38	30	28	21	19	26	27	29	17	42	42	18	30	40	35	35	15	13	26	21	37	28	31	33	28	32
BV2	.53		40	37	36	30	34	25	26	31	32	35	24	34	45	23	33	37	37	30	18	14	33	33	40	36	34	37	34	33
BV3	.45	.49		32	34	32	32	35	32	26	24	28	25	33	37	27	35	29	42	29	26	19	35	34	35	36	35	40	28	26
FT1	.33	.31	.24		49	38	34	25	23	24	20	23	13	52	47	21	31	51	37	43	16	16	27	28	50	35	41	28	34	34
FT2	.11	.17	.12	.40		44	40	30	27	20	20	23	14	46	44	26	38	47	44	44	15	17	30	31	47	37	44	35	31	28
FT3	.21	.27	.31	.50	.29		45	40	35	20	14	18	13	40	39	32	45	39	45	50	16	18	28	28	35	39	47	34	27	27
KV2	.21	.21	.32	.21	.10	.34		36	30	21	18	19	15	30	31	26	40	38	48	43	17	14	29	27	36	40	49	27	28	27
KV3	.09	.10	.12	.07	.04	.28	.23		48	19	15	20	17	22	24	44	49	25	42	31	24	18	30	26	26	30	38	28	19	22
KV4	.11	.12	.15	.11	.05	.23	.30	.62		22	17	20	17	23	24	45	44	26	37	27	30	21	31	32	25	32	32	29	19	22
OF1	.17	.08	.08	.09	.03	.04	.05	.05	.06		41	35	29	24	30	19	20	25	22	20	16	11	22	23	23	28	22	19	24	26
OF2	.14	.07	.08	.08	.08	.04	.05	.04	.05	.81		48	28	19	22	16	18	24	18	18	15	13	18	19	21	22	18	20	27	30
OF3	.48	.42	.45	.23	.10	.21	.18	.05	.09	.45	.42		27	20	25	19	20	25	20	19	17	11	19	20	23	21	19	19	25	27
OF4	.03	.03	.08	.01	.00	.02	.05	.05	.05	.03	.05	.08		13	17	18	16	16	18	12	23	11	25	22	17	21	15	20	21	24
SD1	.37	.36	.24	.40	.19	.22	.24	.10	.18	.07	.06	.14	.02		48	22	31	47	36	40	16	14	25	25	43	36	36	33	33	31
SD2	.24	.34	.21	.43	.32	.24	.21	.08	.13	.05	.05	.13	.01	.61		21	32	47	39	40	16	14	32	34	49	43	37	42	38	38
SF1	.09	.07	.11	.05	.02	.15	.16	.37	.40	.05	.04	.05	.08	.07	.04		41	22	36	25	32	19	24	28	24	27	31	22	17	22
SF2	.24	.22	.24	.16	.07	.36	.37	.68	.60	.05	.04	.16	.04	.26	.17	.30		32	50	40	24	22	32	30	30	31	42	33	22	26
SK1	.22	.25	.17	.38	.58	.28	.14	.05	.08	.13	.11	.24	.01	.24	.24	.03	.11		40	45	15	13	33	28	50	47	40	38	39	40
Sk2	.32	.38	.38	.53	.30	.55	.34	.16	.21	.05	.06	.31	.02	.41	.43	.07	.26	.34		43	22	19	40	35	39	42	51	38	33	29
TH1	.35	.35	.46	.30	.16	.35	.37	.14	.16	.09	.06	.31	.02	.32	.24	.08	.25	.23	.44		16	16	26	23	39	36	46	32	30	31
TH2	.03	.02	.06	.01	.00	.02	.03	.09	.11	.02	.01	.02	.17	.02	.01	.16	.08	.01	.02	.03		29	21	29	20	20	18	18	13	11
TH3	.03	.02	.21	.01	.01	.10	.16	.05	.04	.02	.01	.02	.05	.02	.01	.07	.04	.01	.02	.24	.05		21	20	17	17	18	19	11	09
VB1	.09	.10	.14	.06	.04	.06	.14	.20	.22	.05	.05	.07	.13	.11	.09	.13	.17	.04	.12	.11	.08	.07		38	33	31	30	39	34	26
VB2	.07	.09	.15	.05	.03	.10	.16	.17	.23	.08	.12	.19	.29	.07	.06	.20	.17	.03	.13	.10	.10	.06	.36		31	43	28	33	30	23
VD1	.23	.18	.14	.36	.11	.14	.17	.13	.18	.06	.05	.06	.03	.47	.29	.10	.24	.14	.34	.23	.04	.03	.13	.12		44	39	36	42	39
VD2	.15	.25	.12	.31	.17	.16	.19	.11	.17	.06	.06	.07	.02	.58	.53	.06	.19	.14	.37	.19	.02	.02	.11	.15	.43		38	37	36	36
YØ1	.32	.25	.29	.29	.14	.33	.40	.33	.39	.07	.07	.21	.07	.48	.32	.18	.50	.16	.46	.41	.04	.07	.14	.18	.47	.39		34	28	26
AF1	.15	.14	.16	.10	.04	.09	.13	.15	.18	.05	.04	.06	.05	.30	.21	.07	.19	.10	.15	.15	.06	.05	.36	.21	.17	.12	.18		46	31
AF2	.16	.31	.13	.08	.05	.04	.08	.12	.13	.04	.04	.06	.07	.23	.16	.07	.11	.05	.08	.07	.05	.05	.24	.17	.18	.23	.08	.24		39
AF3	.18	.18	.21	.09	.05	.10	.21	.14	.18	.08	.15	.26	.17	.15	.11	.09	.22	.06	.16	.14	.04	.04	.29	.44	.16	.12	.20	.22	.25	

Quantitative similarity (C_z)

LEGENDS TO THE FIGURES:

Figs. 2-31. Column diagrams showing number of individuals per m^2 (left scale) of the numerically dominant species, and plots of the values of the diversity indices (right scale).

Fig. 2.

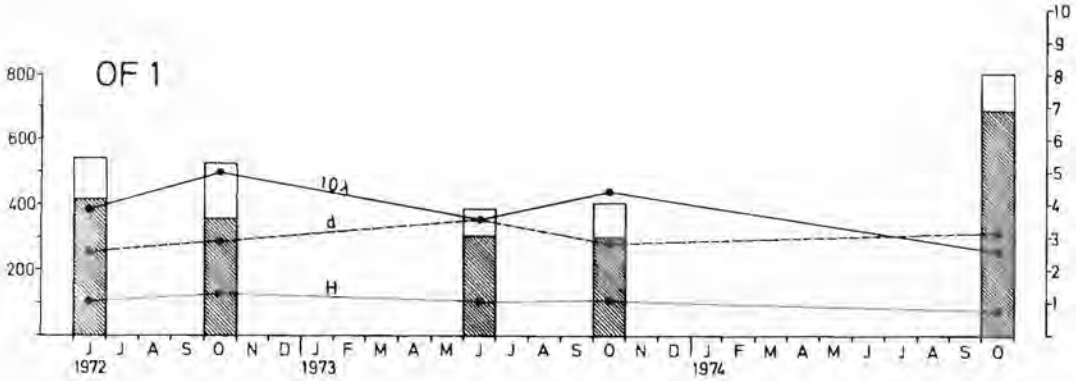
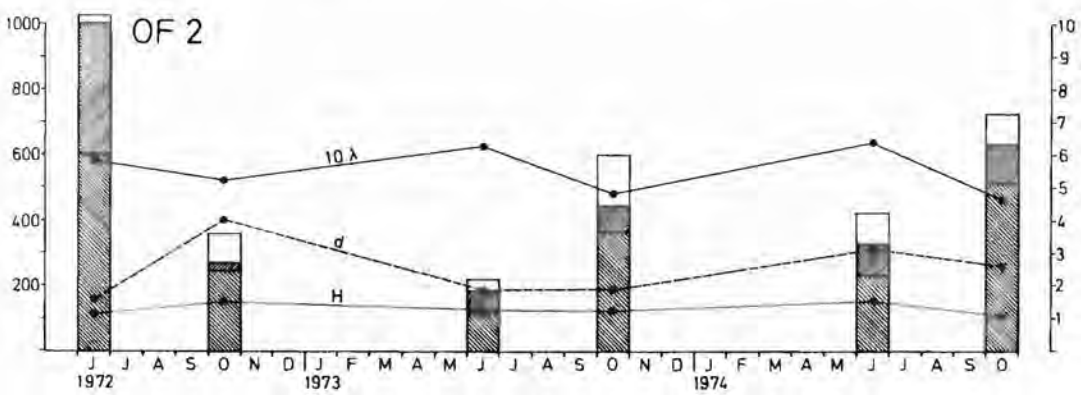


Fig. 3.



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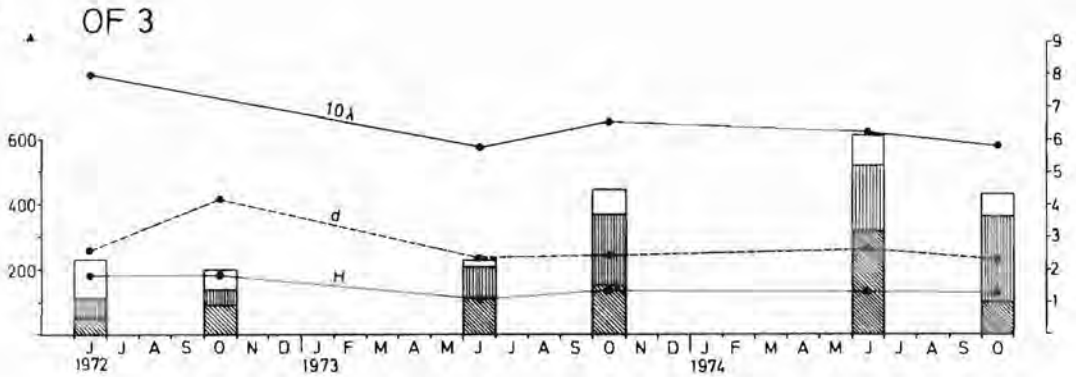
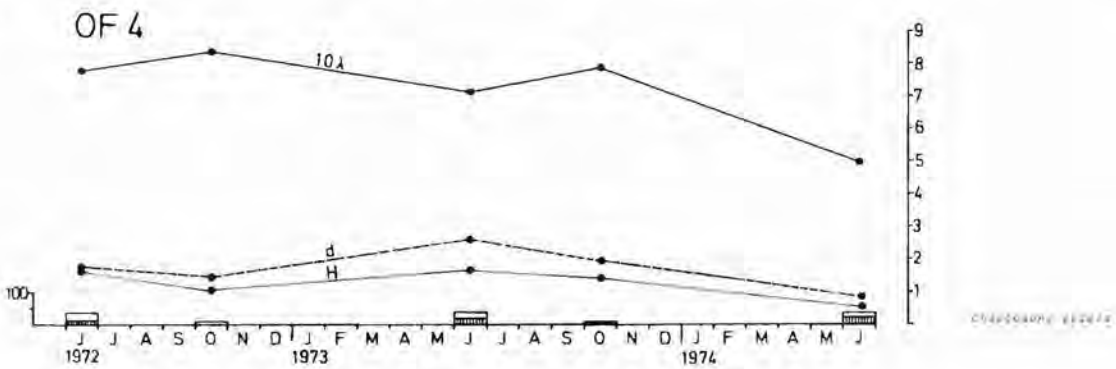


Fig. 5.



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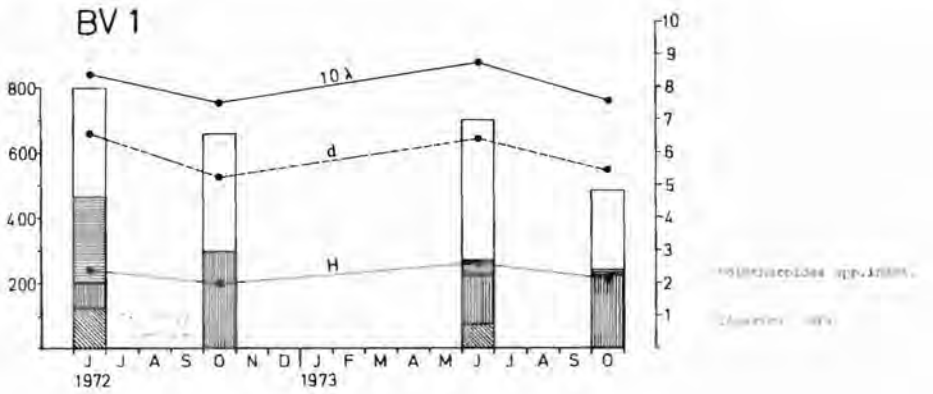

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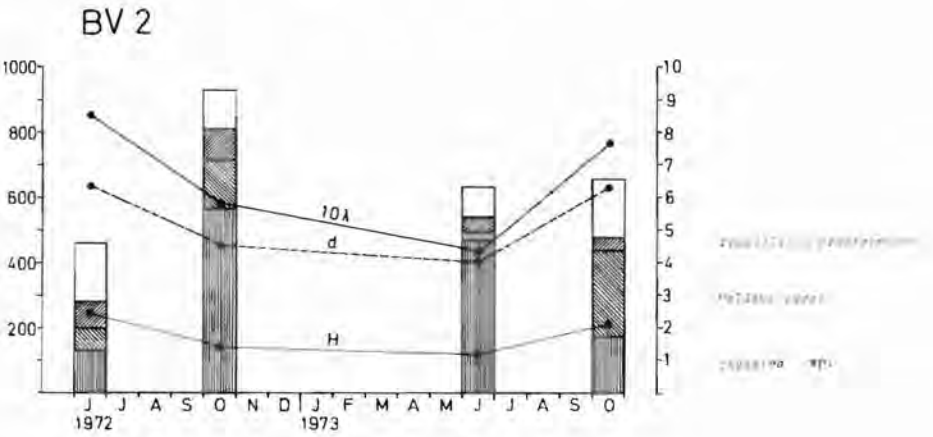

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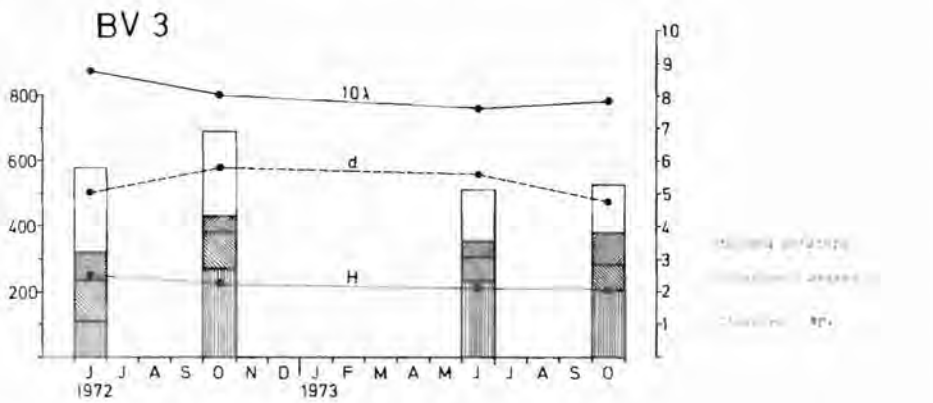
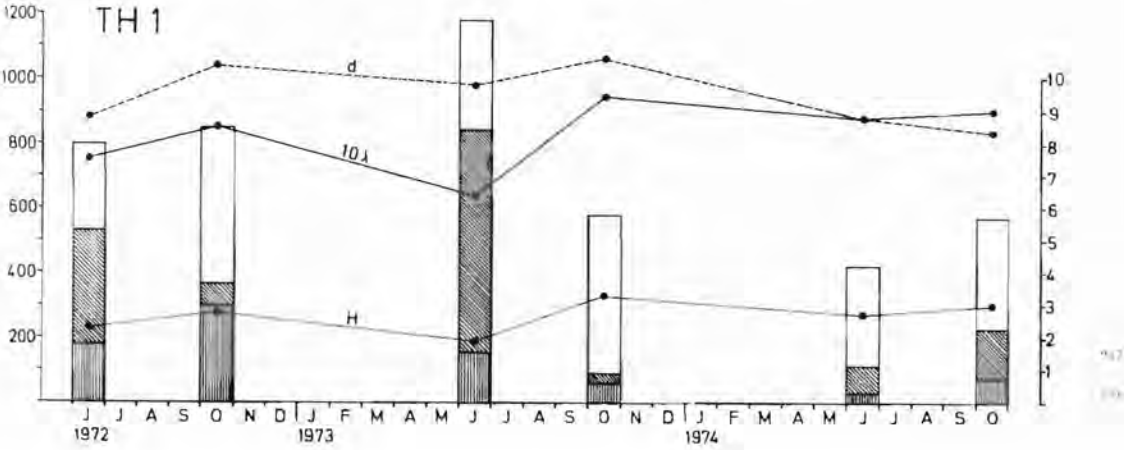


Fig. 9.



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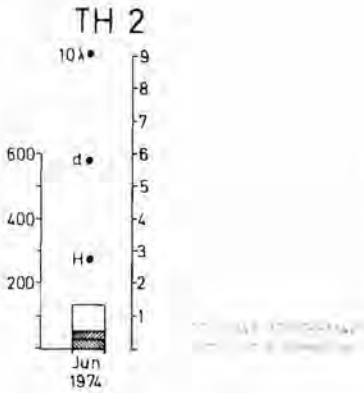


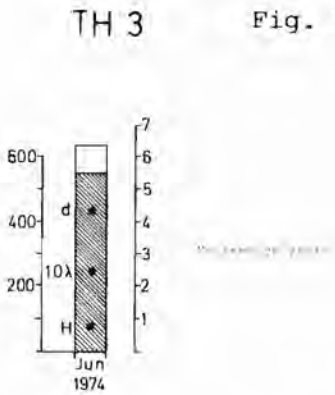


Fig. 11.

Fig. 12.

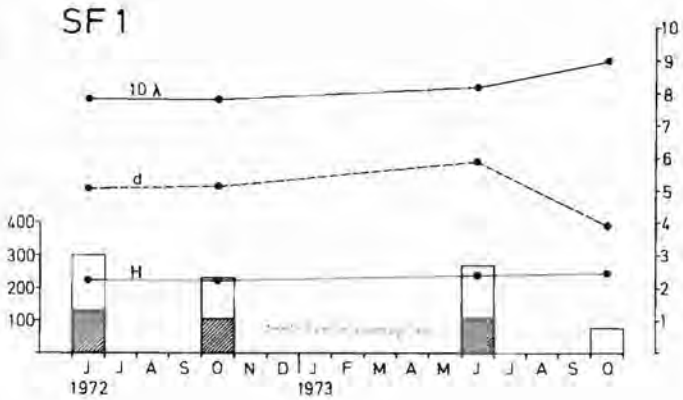
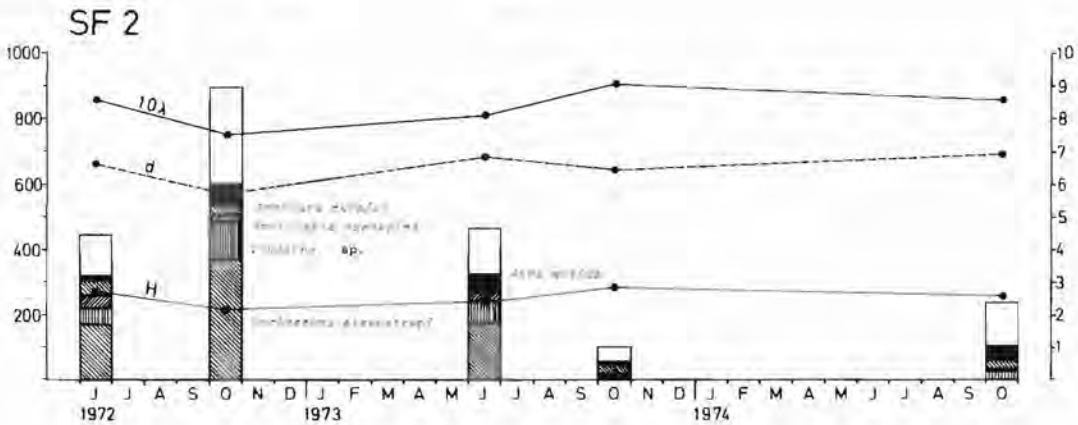


Fig. 13.



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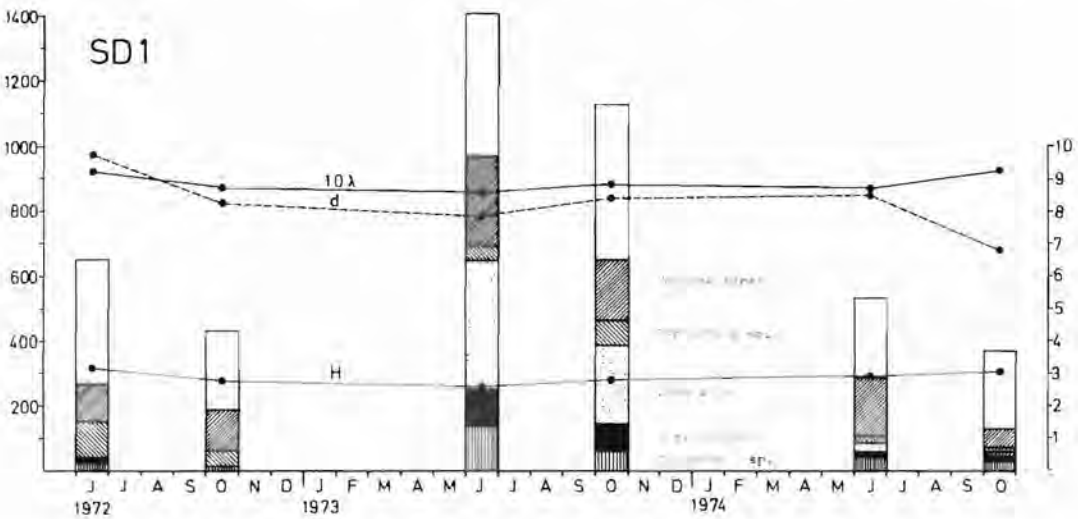

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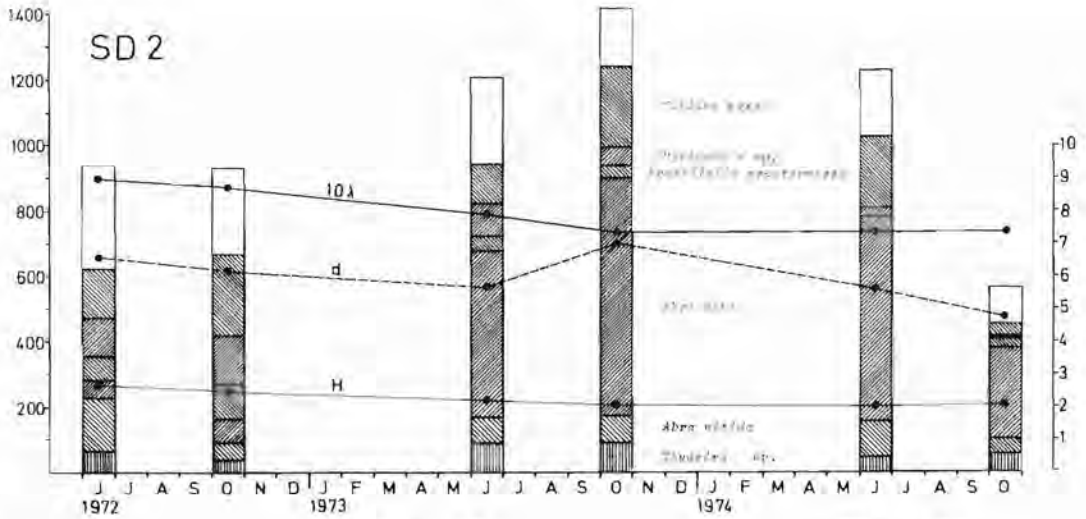


Fig. 16.

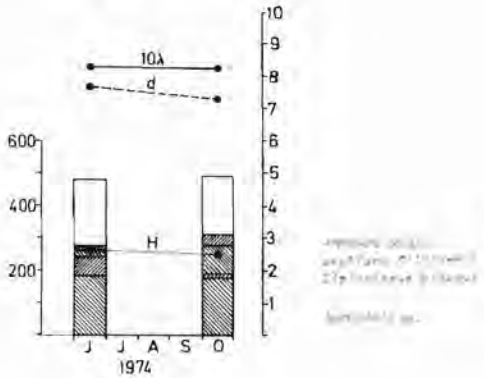
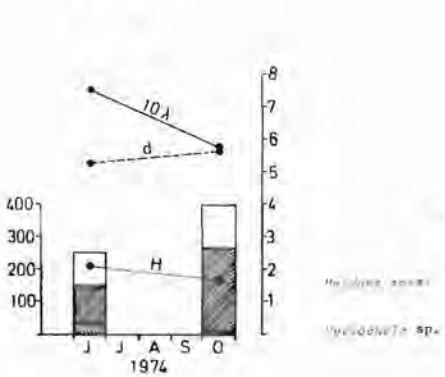


Fig. 17.



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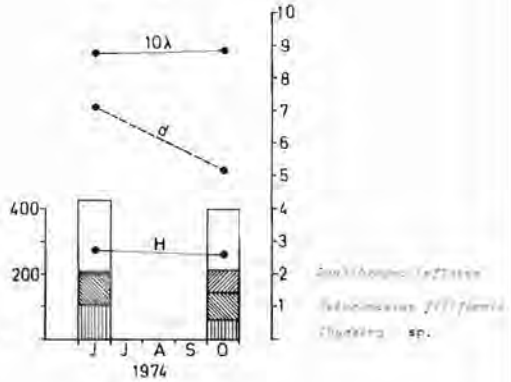


Fig. 19.

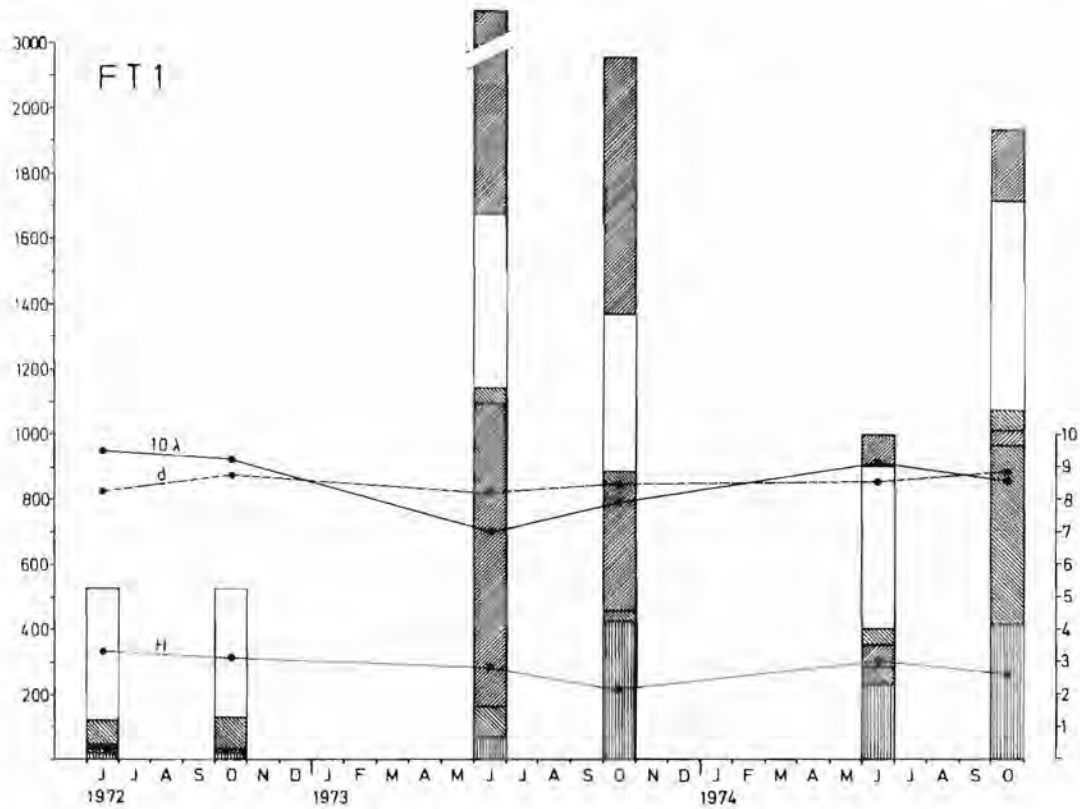
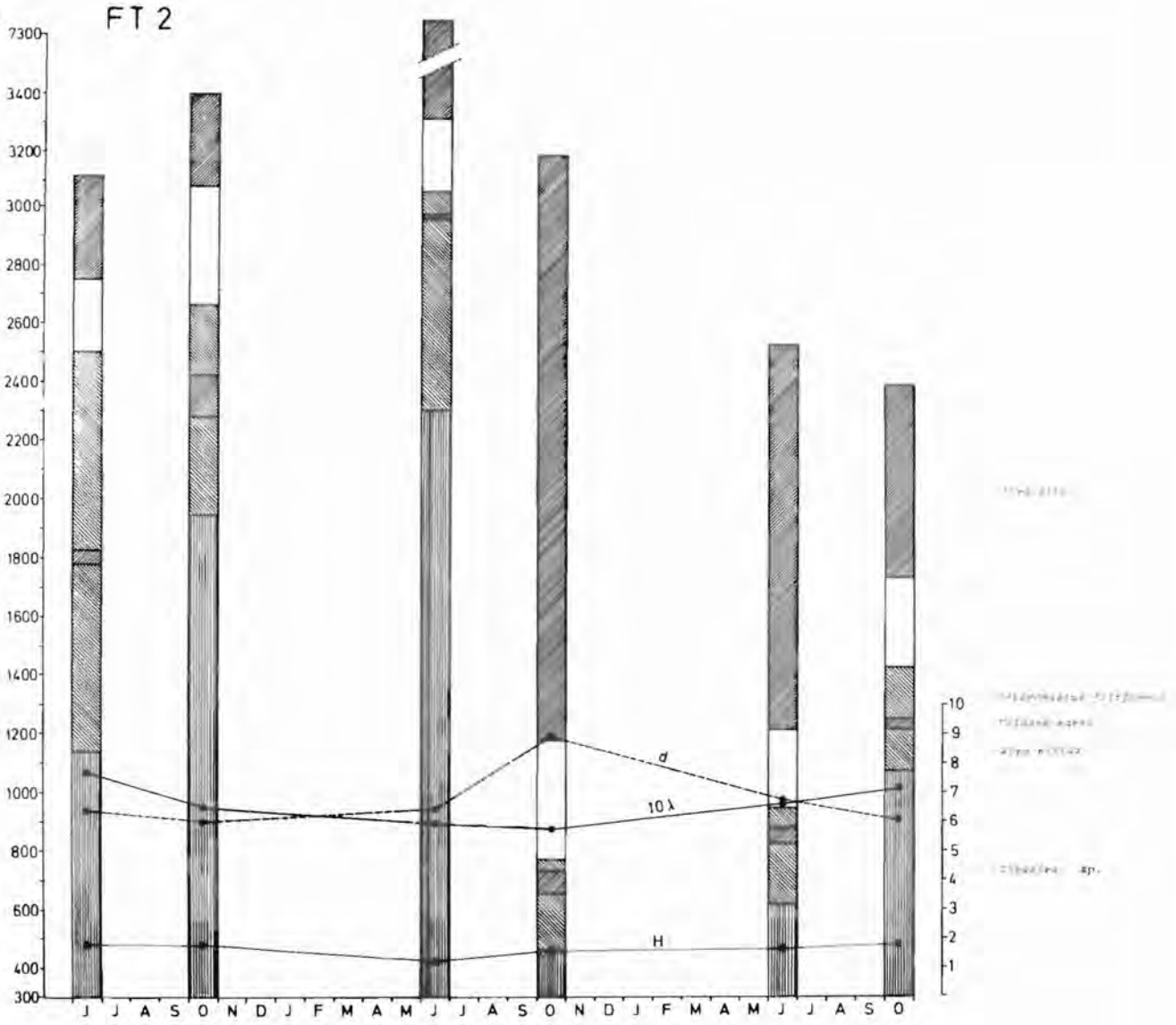


Fig. 20.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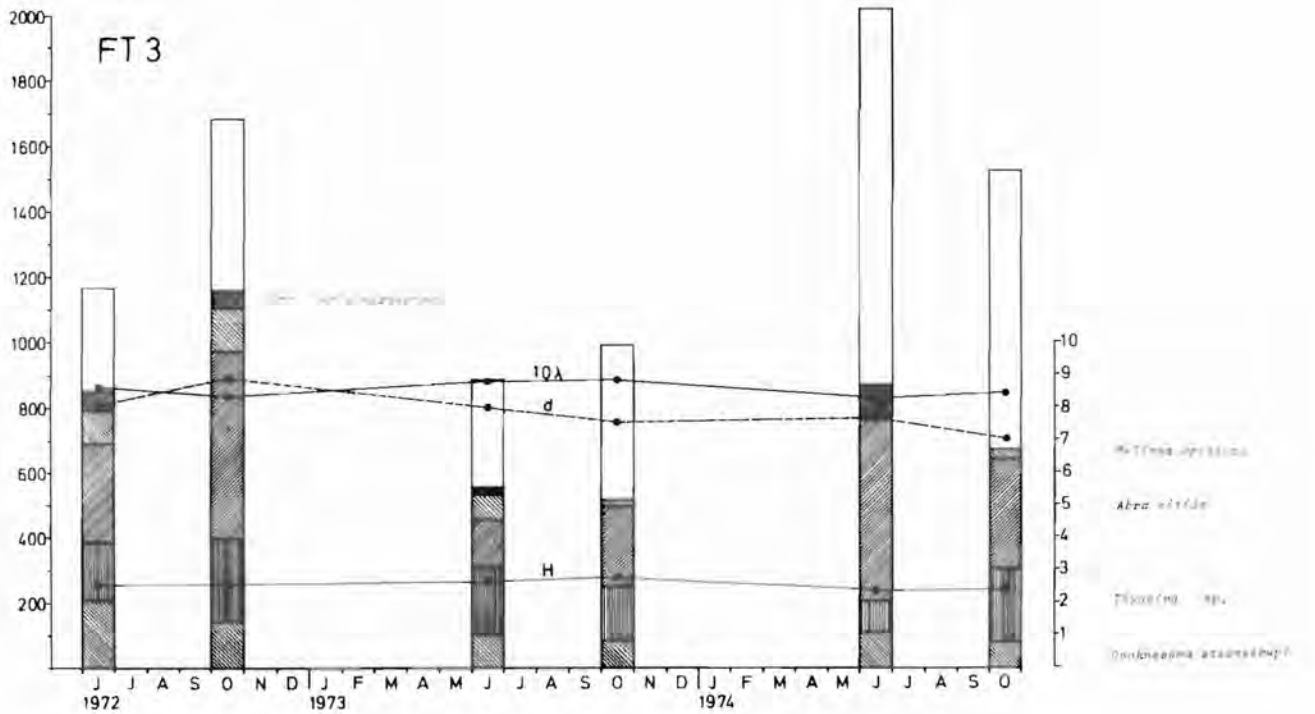
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
300
d
10λ
H
10
9
8
7
6
5
4
3
2
1
J J A S O N D J F M A M J J A S O N D J F M A M J J A S O

Fig. 21.


FT 3
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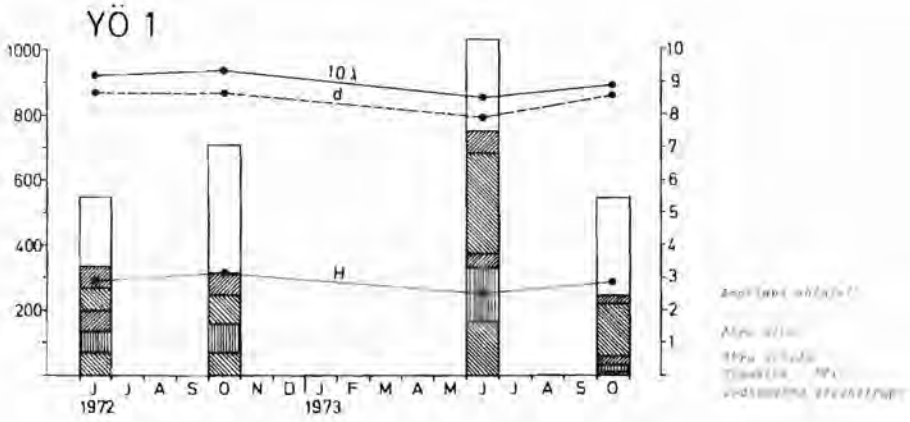
1800
1600
1400
1200
1000
800
600
400
200
10λ
d
H
10
9
8
7
6
5
4
3
2
1
J J A S O N D J F M A M J J A S O N D J F M A M J J A S O
1972
1973
1974

Fig. 22.



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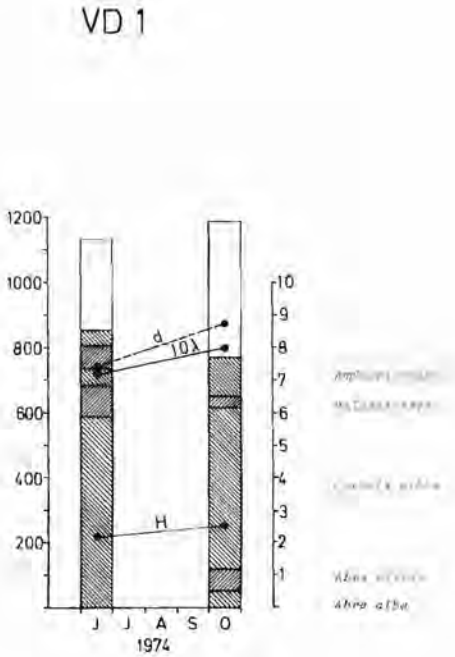

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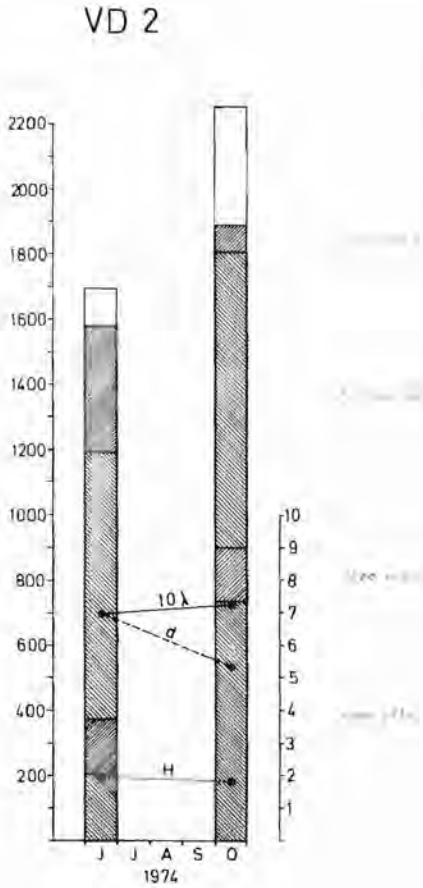
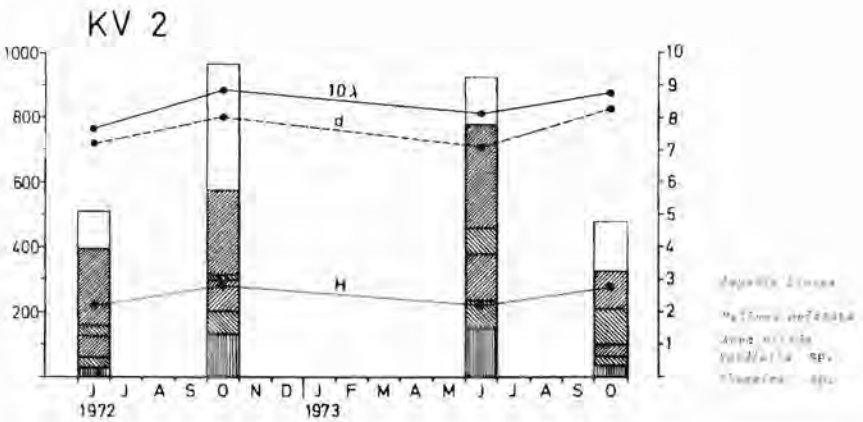


Fig. 25.



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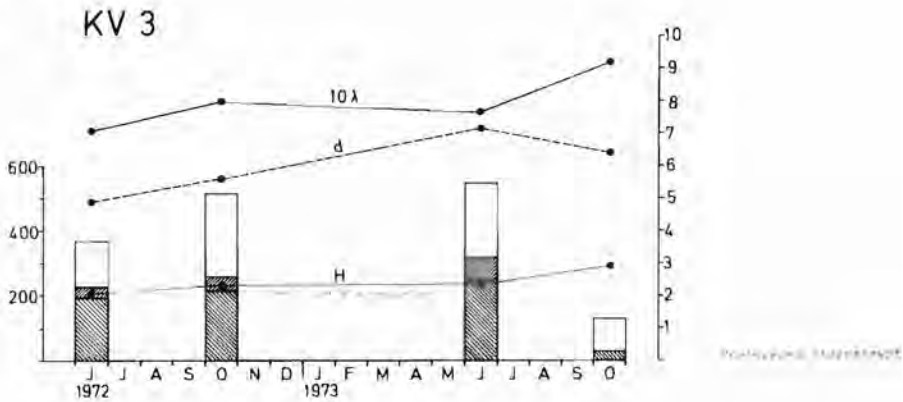
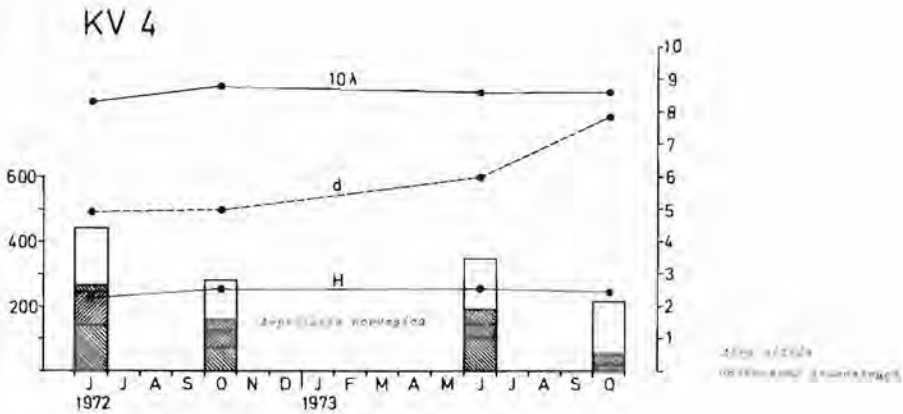


Fig. 27.



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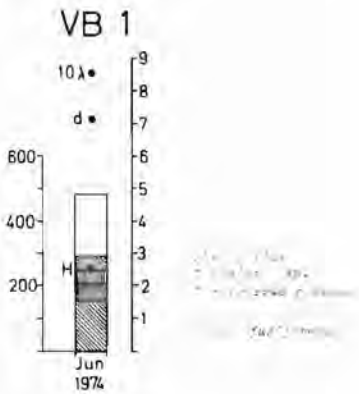

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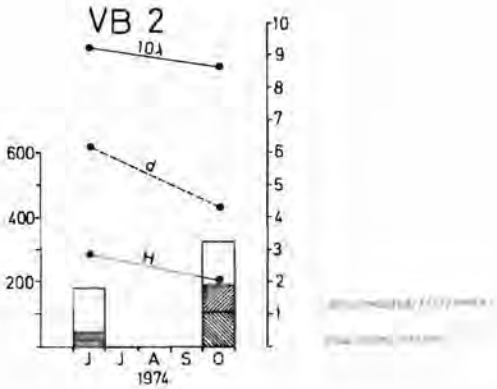

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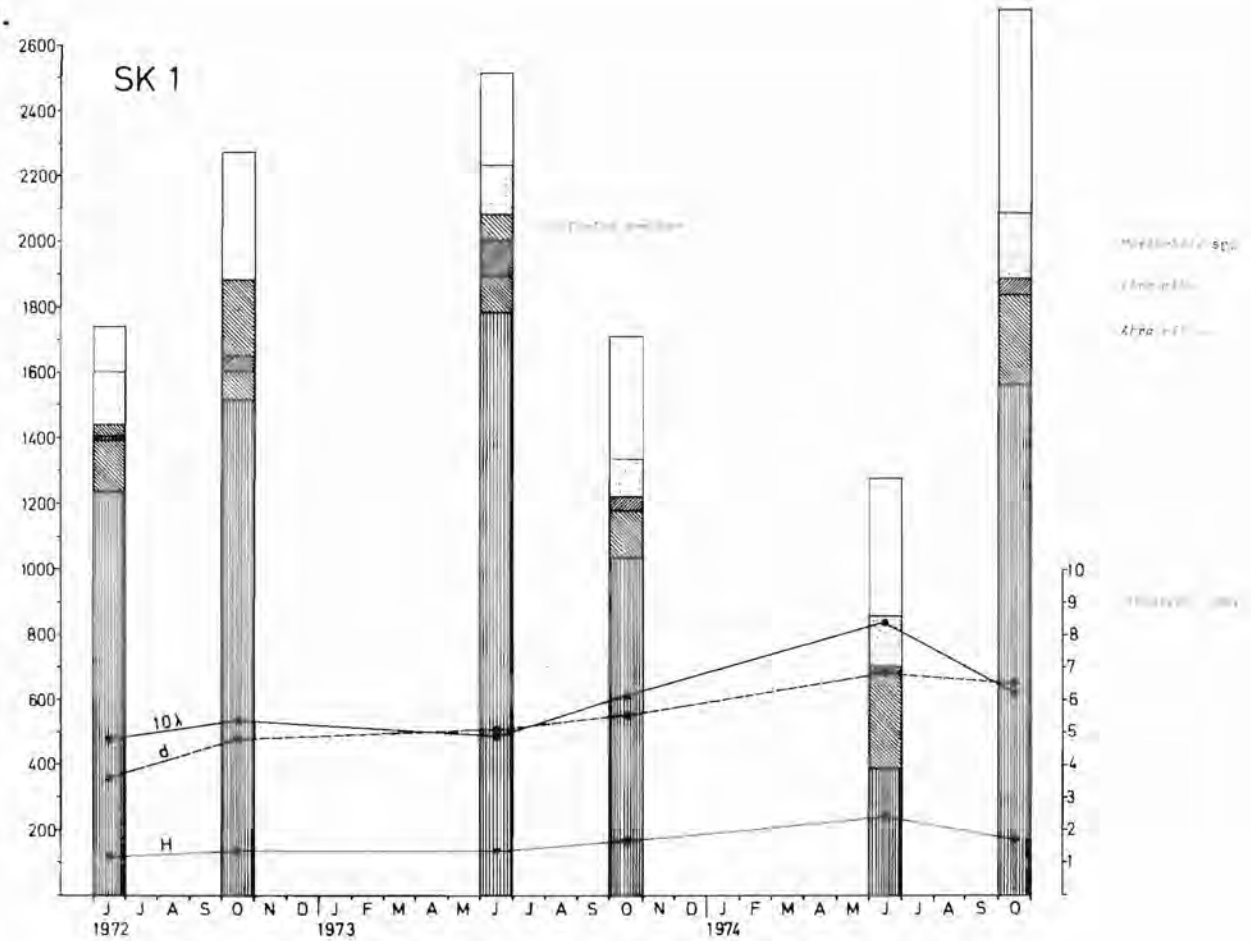
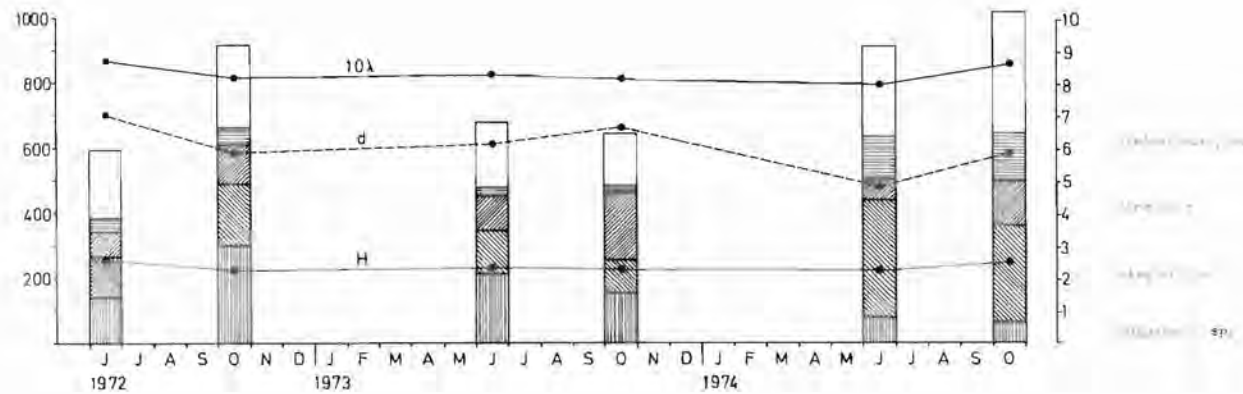


Fig. 31.



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