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Anholt Offshore Wind Farm

Benthic Fauna

October 2009

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Anholt Offshore Wind Farm

Benthic Fauna – Baseline Surveys and Impact Assessment

October 2009 - Final Report

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1. Summaries

1.1 Dansk resumé

1.1.1 Rapportens indhold

Rapporten omfatter en baggrundsundersøgelse af bundfauna og overfladesediment i projektområdet for den planlagte Anholt Havmøllepark samt en vurdering af de forventede påvirkninger af bundfaunaen ved anlæg, drift og nedrivning af en møllepark i projektområdet samt langs et søkabel mellem en transformerstation i den vestlige del af projektområdet og Djursland ved Grenå.

1.1.2 Baggrundsundersøgelse

I april 2009 blev der gennemført en kvantitativ undersøgelse af bundfauna og sediment på 80 stationer jævnt fordelt indenfor et projektområde på 88 km^2. Vanddybden indenfor området varierede mellem ca. 16-20m og overfladesedimentet bestod overvejende af mellemkornet til groft sand med et meget lavt indhold af organisk stof. Bundfaunaen var særdeles artsrig og 166 arter og højere systematiske grupper blev identificeret. Individrigdommen var moderat omkring 1000 individer per m^2 i størstedelen af området. Biomassen (vægten) af bunddyr var stærkt varierende indenfor området og afspejlede især forekomsten af store Molboøsters (*Arctica cyprina*), som fandtes på 2/3 af de undersøgte stationer. Børsteorme (polychæter) og krebsdyr var de arts- og individrigeste dyregrupper, med henholdsvis 61 arter og 41 arter, hvorimod muslinger (29 arter), udgjorde langs størstedelen af bundfaunaens samlede biomasse. Bundfaunaen var ensartet i henholdsvis et rektangulært og i et bueformet layout af havmølleparken.

1.1.3 Påvirkning af bundfauna i anlægs-, drifts- og nedrivningsfase i projektområdet

Den forventede påvirkning af bundfaunaen i anlægs, drifts- nedrivningsfase er baseret på modelberegninger af et worst case scenario, omfattende opstilling af 174 møller hver på 2,3 MW og anvendelse af beton (gravitations-) fundamenter.

I anlægsfasen vil bundfaunaen destrueres ved afgravning til fundamenter indenfor et samlet areal, som vurderes at være mindre end 0,5% af mølleparkens areal. Nedspuling af ca. 105 km kabler mellem møllerne vil medføre en forøget dødelighed af bunddyr indenfor et tilsvarende areal, dvs. at bundfaunaen direkte vil blive udryddet og reduceret indenfor mindre end 1% af mølleparkens areal. Forøgede koncentrationer af suspenderet stof som følge af sedimentspild ved gravearbejde og nedspuling af kabler samt sedimentation af spildmateriale er af begrænset omfang og varighed og vil ikke påvirke bundfaunaen.

I driftsfasen forventes den oprette del af fundamenterne over saltspringlaget koloniseret af et begroningssamfund, som er domineret af blåmuslinger og en ledsagefauna af rurer og tanglopper. Beregninger viser, at påvirkning af vandkvaliteten, som følge af muslingernes filtration, er mindre end 1% omkring de enkelte fundamenter og mindre end 0,1%, som gennemsnit for mølleparken som helhed. På stenbeskyt-

telsen, som er beliggende under springlaget, forventes en meget varieret fauna af læderkoraller, svampe, søpunge, børsteome, krebsdyr, søpindsvin og taskekrabber samt et algesamfund domineret af relativt få arter af rødalger og brunalger. Ændringer i bundforhold omkring de enkelte fundamenter samt elektromagnetiske felter og varmeafgivelse langs kabeltracérne vil være lokale og af meget begrænset omfang, som ikke vil påvirke bundfaunaen.

Påvirkningen af bundfaunaen ved fjernelse af fundamenter og kabler vil være sammenlignelig med aktiviteterne i anlægsfasen, hvorimod en rekolonisering af en genetableret havbund kan vare en årrække afhængig af genetableringens omfang, det anvendte materiale og konsolideringen af den "nye" havbund.

1.1.4 Påvirkning af bundfauna i anlægs-, drifts- og nedrivningsfase langs søkabel

Grundlaget for vurderingen er kvalitative undersøgelser over forekomsten af bunddyr og alger baseret på punktdykninger og video-observationer langs kabeltracéerne kombineret med modelberegninger over sedimentspild og sedimentation af spildmateriale, som følge af nedspuling af søkablet.

Nedspuling af søkablet vil medføre en forøget dødelighed af bunddyr indenfor et areal på ca. 66.000m^2 langs en strækning på 22km. Forøgede koncentrationer af suspenderet stof, som følge af sedimentspild ved nedspuling af kablet samt sedimentation af spildmateriale, vil være af yderst begrænset omfang og varighed og vil ikke påvirke bundfaunaen.

Bundfaunaen langs søkablet vil ikke påvirkes i driftsfasen. Påvirkningen af bundfaunaen ved fjernelse af søkablet vil være yderst begrænset og kortvarig hvis kablet kan trækkes op af bunden. Hvis nedspuling eller opgravning/tildækning bliver nødvendig vil påvirkningen af bundfaunaen være af samme begrænsede omfang, som i anlægsfasen.

1.2 Summary

1.2.1 Content of the report

The report includes a baseline survey of benthic fauna and sediment in the project area and assessments of the expected impacts on the benthic fauna during construction, operation and decommissioning of a wind farm in the project area and along an offshore cable deployed between the substation and Djursland (Grenå).

1.2.2 Baseline survey

A quantitative survey of the benthic fauna and sediment was conducted in April 2009 at 8o stations evenly distributed in the 88 km^2 large project area. The water depth in the area was about 16-20m and the surface sediment consisted mostly of medium to coarse sand. The content of organic matter was below 1% of the dry weight of the sediment. The benthic fauna was very rich and 166 species and higher taxa were identified. The abundance of the benthic was moderate and around 1000 individuals per m^2 in most of the area. The biomass of the benthic fauna was highly variable in the area and strongly dependent on the distribution of large specimens of Icelandic cyprine (*Arctica cyprina*), which was present at 2/3 of the stations. Bristle worms

(polychaetes) and crustaceans were the most diverse taxa with 61 species and 41 species, respectively. Bivalves (29 species) contributed most of the benthic biomass. The benthic fauna was similar in a Rectangular and in an Arc-formed layout of the wind farm.

1.2.3 Impacts on the benthic fauna during construction, operation and decommissioning of the wind farm

Assessment of the expected impacts on the benthic fauna during construction, operation and decommissioning is based on model simulations of a worst case scenario, including 174 2.3 MW turbines and gravity foundations.

During the construction phase, the benthic fauna will be destroyed due to dredging at the foundation sites. The total area affected is estimated to be less than 0.5% of the area of the wind farm (88km^2). Jetting of 105km long cable trenches between the turbines will results in an increased mortality of the benthic fauna in an area less than 0.5% of the project area. It means that the benthic fauna will be directly destroyed and/or reduced in an area less than 1% of the area of the wind farm. Increased concentrations of suspended matter due to sediment spill during dredging and jetting and sedimentation of the spill are limited in magnitude and time and will not affect the benthic fauna.

During the operation phase it is expected that the vertical part of the foundations above the halocline will be colonized by a fouling community dominated by common mussels (*Mytilus edulis*) and associated species of sessile and mobile crustaceans. Model simulations suggest that the impact on the water quality, due to the filtration capacity of the mussels, will be less than 1% around the individual foundations and less than 0.1%, as en average for the entire wind farm. It is expected that a diverse community of invertebrates and macroalgae will develop on the scour protection stones, which is below the halocline. The community is assumed to include leather corals, sponges, sea squirts, bristle worms, crustaceans inclusive the edible crab (*Cancer pagurus*) in addition to a community of macroalgae dominated by relatively few species of red and brown algae. Changes of the seabed around the individual foundations, electromagnetic fields and dissipation of heat from the cables are expected to be limited and will not affect the benthic fauna.

The impact on the benthic fauna due to removal of foundations and cables during decommissioning will be comparable to the activities during construction. However, colonization of rehabilitated seabed can take years depending on the scale of rehabilitation, the quality of the backfilling material and consolidation of the “new” seabed.

1.2.4 Impacts on the benthic fauna during construction, operation and decommissioning along the offshore cable

The assessments are based on qualitative surveys on the distribution of the benthic fauna and macroalgae using spot dives and underwater video along the cable trenches combined with model simulations of suspended matter and sedimentation of the spill caused by jetting.

The area of the seabed affected by jetting and increased mortality of the benthic fauna is about 66,000 m^2 along the 22 km alignment of the offshore cable. Increased concentration of suspended matter due to jetting and sedimentation of the spill will be very limited in magnitude and duration and will not affect the benthic fauna.

The benthic fauna will not be affected during operation of the offshore cable. The impact on the benthic fauna will be limited and short term during decommissioning if it is possible to pull the cable out of the seabed. However, if jetting and/or dredging and backfilling is needed the affect on the benthic fauna will be comparable to the impact during construction.

2. Introduction

2.1 Background

In 1998 the Ministry of Environment and Energy empowered the Danish energy companies to build offshore wind farms of a total capacity of 750 MW, as part of fulfilling the national action plan for energy, Energy 21. One aim of the action plan, which was elaborated in the wake of Denmark's commitment to the Kyoto agreement, is to increase the production of energy from wind power to 5.500 MW in the year 2030. Hereof 4.000 MW has to be produced in offshore wind farms.

In the years 2002-2003 the two first wind farms was established at Horns Rev west of Esbjerg and Rødsand south of Lolland, consisting of 80 and 72 wind turbines, respectively, producing a total of 325,6 MW. In 2004 it was furthermore decided to construct two new wind farms in proximity of the two existing parks at Horns rev and Rødsand. The two new parks, Horns rev 2 and Rødsand 2, are going to produce 215 MW each and are expected to be fully operational by the end 2010.

The 400 MW Anholt Offshore Wind Farm constitutes the next step of the fulfilment of aim of the action plan. The wind farm will be constructed in 2012, and the expected production of electricity will cover the yearly consumption of approximately 400.000 households. Energinet.dk on behalf of the Ministry of Climate and Energy is responsible for the construction of the electrical connection to the shore and for development of the wind farm site, including the organization of the impact assessment which will result in the identification of the best suitable site for constructing the wind farm. Rambøll with DHI and other sub consultants are undertaking the site development including a full-scale Environmental Impact Assessment for the wind farm.

The present report is a part of a number of technical reports forming the base for the Environmental Impact Assessment for Anholt Offshore Wind Farm.

The Environmental Impact Assessment of the Anholt Offshore Wind Farm is based on the following technical reports:

- Technical description
- Geotechnical investigations
- Geophysical investigations
- Metocean data for design and operational conditions
- Hydrography including sediment spill, water quality, geomorphology and coastal morphology
- Benthic Fauna
- Birds
- Marine mammals
- Fish
- Substrates and benthic communities

- Benthic habitat
- Maritime archaeology
- Visualization
- Commercial fishery
- Tourism and Recreational Activities
- Risk to ship traffic
- Noise calculations
- Air emissions

2.2 Content of specific memo

This report describes the baseline conditions concerning the benthic invertebrate fauna (macrozoobenthos) on the basis of field surveys in the project area in April 2009. Population attributes like number of species, abundance and biomass are presented and the structure of the benthic community and possible relationship between the structure and measured environmental variables (water depth, median grain size and loss on ignition of the sediment) are analysed using multivariate statistics. The benthic fauna in the two subareas are compared.

Impacts assessment on the benthic fauna in the project area will include effects of sediment spill and sedimentation during construction (and decommissioning) and likely development of hard bottom communities of invertebrates on foundations and scour protection stones in the operation phase.

No quantitative surveys of benthic invertebrates have been conducted in the area appointed to the substation or along the planned offshore power cable between the substation and the coast of Djursland (Grenå). The impact assessment along the offshore cable will be based on model simulations of sediment spill and sedimentation combined with results of qualitative surveys of the benthic fauna /1/.

3. Offshore wind farm

3.1 Project description

This chapter describes the technical aspects of the Anholt Offshore Wind Farm. For a full project description reference is made to /4/. The following description is based on expected conditions for the technical project; however, the detailed design will not be done until a developer of the Anholt Offshore Wind Farm has been awarded.

3.1.1 Site location

The designated investigation area for the Anholt Offshore Wind Farm is located in Kattegat between the headland Djursland of Jutland and the island Anholt - see Figure 3.1. The investigation area is 144 km^2, but the planned wind turbines must not cover an area of more than 88 km^2. The distance from Djursland and Anholt to the project area is 15 and 20 km, respectively. The area is characterised by fairly uniform seabed conditions and water depths between 15 and 20 m.

3.1.2 Offshore components

3.1.2.1 Foundations

The wind turbines will be supported on foundations fixed to the seabed. The foundations will be one of two types; either driven steel monopiles or concrete gravity based structures. Both concepts have successfully been used for operating offshore wind farms in Denmark /24/ /25/.

The monopile solution comprises driving a hollow steel pile into the seabed. A steel transition piece is attached to the pile head using grout to make the connection with the wind turbine tower.

The gravity based solution comprises a concrete base that stands on the seabed and thus relies on its mass including ballast to withstand the loads generated by the offshore environment and the wind turbine.

3.1.2.2 Wind turbines

The maximum rated capacity of the wind farm is by the authorities limited to 400 MW /26/. The farm will feature from 80 to 174 turbines depending on the rated energy of the selected turbines corresponding to the range of 2.3 to 5.0 MW.

Preliminary dimensions of the turbines are not expected to exceed a maximum tip height of 160 m above mean sea level for the largest turbine size (5.0 MW) and a minimum air gap of approximately 23 m above mean sea level. An operational sound power level is expected in the order of 110 dB (A), but will depend on the selected type of turbine.

The wind turbines will exhibit distinguishing markings visible for vessels and aircrafts in accordance with recommendations by the Danish Maritime Safety Administration

and the Danish Civil Aviation Administration. Safety zones will be applied for the wind farm area or parts hereof.

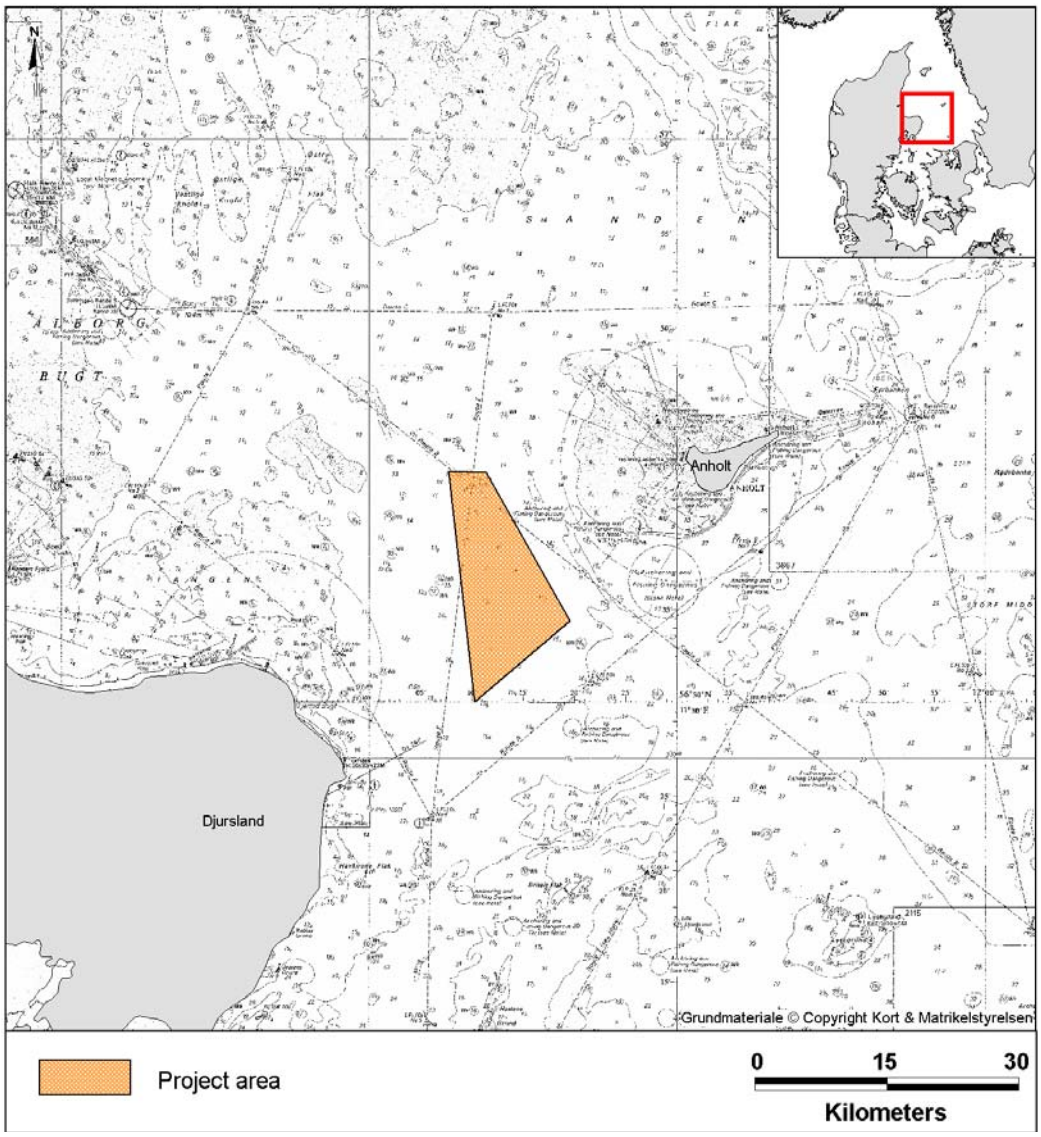


Figure 3.1 Location of the Anholt Offshore Wind Farm project area.

3.1.3 Installation

The foundations and the wind turbine components will either be stored at an adjacent port and transported to site by support barge or the installation vessel itself, or transported directly from the manufacturer to the wind farm site by barge or by the installation vessel.

The installation will be performed by jack-up barges or floating crane barges depending on the foundation design. A number of support barges, tugs, safety vessels and personnel transfer vessels will also be required.

Construction activity is expected for 24 hours per day until construction is complete. Following installation and grid connection, the wind turbines are commissioned and are available to generate electricity.

A safety zone of 500 m will be established to protect the project plant and personnel, and the safety of third parties during the construction and commissioning phases of the wind farm. The extent of the safety zone at any one time will be dependent on the locations of construction activity. However the safety zone may include the entire construction area or a rolling safety zone may be selected.

3.1.3.1 Wind turbines

The installation of the wind turbines will typically require one or more jack-up barges. These vessels stand on the seabed and create a stable lifting platform by lifting themselves out of the water. The area of seabed taken by a vessels feet is approximately 350 m^2 (in total), with leg penetrations of up to 2 to 15 m (depending on seabed properties). These holes will be left to in-fill naturally.

3.1.3.2 Foundations

The monopile concept is not expected to require any seabed preparation.

The installation of the driven monopiles will take place from either a jack-up platform or an anchored vessel. In addition, a small drilling spread may be adopted if driving difficulties are experienced. After transportation to the site the pile is transferred from the barge to the jack-up and then lifted into a vertical position. The pile is then driven until target penetration is achieved, the hammer is removed and the transition piece is installed.

For the gravity based foundations the seabed needs most often to be prepared prior to installation, i.e. the top layer of material is removed and replaced by a stone bed. The material excavated during the seabed preparation works will be loaded onto split-hopper barges for disposal. There is likely to be some discharge to water from the material excavation process. A conservative estimate is 5% material spill, i.e. up to 200 m^3 for each base, over a period of 3 days per excavation.

The installation of the concrete gravity base will likely take place using a floating crane barge, with attendant tugs and support craft. The bases will either be floated and towed to site or transported to site on a flat-top barge. The bases will then be lowered from the barge onto the prepared stone bed and filled with ballast.

After the structure is placed on the seabed, the base is filled with a suitable ballast material, usually sand. A steel ‘skirt’ may be installed around the base to penetrate into the seabed and to constrain the seabed underneath the base.

3.1.4 Protection systems

3.1.4.1 Corrosion

Corrosion protection on the steel structure will be achieved by a combination of a protective paint coating and installation of sacrificial anodes on the subsea structure. The anodes are standard products for offshore structures and are welded onto the steel structures.

3.1.4.2 Scour

If the seabed is erodible and the water flow is sufficient high a scour hole will form around the structure. The protection system normally adopted for scour consists of rock placement in a ring around the in-situ structure. The rock will be deployed from the host vessel either directly onto the seabed from the barge, via a bucket grab or via a telescopic tube.

For the monopile solution the total diameter of the scour protection is assumed to be 5 times the pile diameter. The total volume of cover stones will be around 850-1,000 m^3 per foundation. For the gravity based solution the quantities are assessed to be 800–1100 m^3 per foundation.

3.2 Baseline study

3.2.1 Methods

3.2.1.1 Sampling

Samples for analyses of the benthic fauna and sediment were collected at 80 stations in the project area between 15 and 22 April 2009. At the time of sampling possible layouts of the wind farm was not defined. The sampling stations were therefore evenly distributed in a regular grid inside the project area (Figure 3-2). Two possible layouts were later defined and also indicated in Figure 3-2.

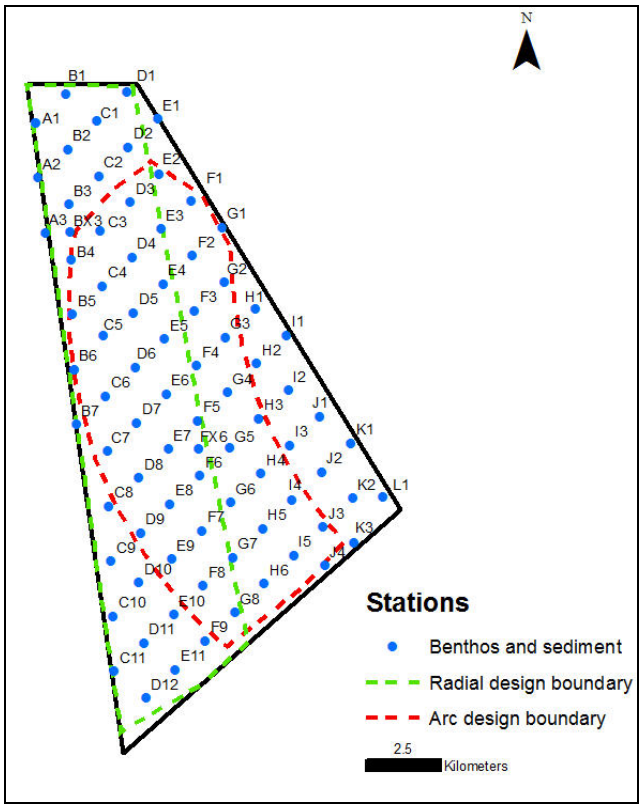


Figure 3-2 Map of stations, where samples of benthic fauna and sediment were collected 15-22 April 2009. Two possible layouts of the wind farm are also delineated. Rectangular layout = Radial design boundary and Arc-formed layout = Arc design boundary.

A loaded van Veen grab (0.1m^2) was used (Figure 3-3, left). One (1) sample was collected at each station if possible. Sampling was difficult and more attempts were necessary at many stations due to hard and stony bottom and/or presence of large bivalves especially Icelandic cyprine (*Arctica islandica*), which prevented closing of the grab sampler (Figure 3-3, right). However, only in two occasions it was necessary to move the stations to alternative positions, named BX3 and FX6 (Appendix 1).

The quality of the samples was inspected through a net lid on top of the grab sampler. If the sample was accepted a small amount of the top 0-5 cm of sediment was collected through the lid for sediment analyses. The sediment samples were stored in labelled plastic bags in a cooling box and later frozen.

The content of the grab sampler was then emptied into a large tub. The sediment was gently suspended and portions sieved through a 1 mm floating sieve in another tub. The sieving residues were transferred to labelled plastic containers and conserved in ethanol.

The sediment at each station was described and the water depth was recorded on the echo sounder of the vessel Maritina.


Figure 3-3 Left: Van Veen grab sampler (0.1m2) used to collect samples for analyses of benthic fauna and sediment. Right: Large specimens of Icelandic cyprine (Arctica islandica), which was a problem for sampling at many stations.

3.2.1.2 **Laboratory analyses**

The sediment samples were analysed at the sediment laboratory at DHI for:

- Grain size distribution and calculation of the median grain size of the sediment (d_{50}). The sediment samples were dried and sieved using a mechanical shaker and the following stack of sieves: 2 mm, 1.4 mm, 1 mm, 0.5 mm, 0.355 mm, 0.25 mm, 0.18 mm, 0.125 mm, 0.09 mm, 0,063 mm and bottom. The shaking time was 20 minutes. The weight of the sand fractions in the sieves was determined and the median grain size of the sediment calculated.

- Loss on ignition (organic matter) of the sediment based on DS 205.

The benthic fauna was analysed at Dansk Biologisk Laboratorium (DBL), which is currently being accredited by DANAK to perform such analyses.

The animals were sorted and identified to species if possible or in case of immature or damaged specimens to lowest practical taxonomic level (genus or family) and counted. The weight of each species (taxon) was determined as total dry weight (100ºC, 24 hours) including shells of bivalves. The shell length of bivalves was measured using a digital slide gauge.

3.2.1.3 **Presentation and statistical analysis**

The results of the variables measured in the sediment (median grain size and Loss on ignition) and biological variables (species, abundance and biomass) were presented in graphs based on excel or ArcGis. The ArcGis figures have been generated using the Regularize Spine interpolation methods applying a weight parameter of 0.1 and including 12 neighbouring points using ArcGis 9.3.

The structure of the benthic fauna in the Rectangular and the Arc-formed layouts was compared using multivariate techniques including cluster analysis and non-metric MDS ordination based on the software package PRIMER /2/. The importance of the measured environmental variables for the structure of the benthic community in the project area was also analysed using BIOENVIR /2/.

3.2.2 Sediment

3.2.2.1 Water depth and sediment composition

The water depth measured at the sampling stations during the field surveys was between approx. 16m and 20 m (Appendix 1).

The surface sediment consisted of medium sand (d_{50}: 0.25-0.5mm) at most stations in the project area (Figure 3-4, left). Finer and coarser sand was recorded at relatively few stations scattered in the project area (Appendix 2). The silt/clay fraction of the sediment (<0.063 mm) was zero or close to zero at the stations.

Loss of ignition, which is an approximate measure of the organic content of the sediment, was below 10 g/kg DM or 1% of the DM at all stations except at two stations in the central part of the project area. The content of organic matter was below 5 g/kg DM (0.5% DM) at most stations and a little higher (5-10 g/kg DM (0.5-1% DM) at some stations scattered in the project area (Figure 3-4, right).

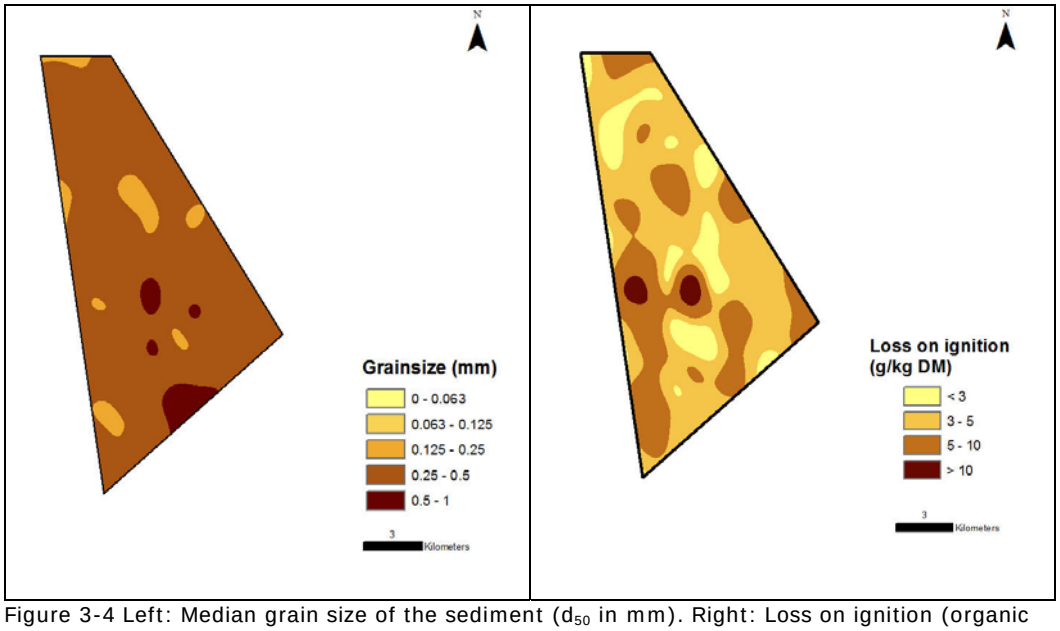


Figure 3-4 Left: Median grain size of the sediment (d_{50} in mm). Right: Loss on ignition (organic matter) of the sediment.

3.2.3 Species, abundance and biomass of the benthic fauna

3.2.3.1 Species richness and composition of the benthic fauna

The total number of species and higher taxa (in the following collectively named species) was 166 in the project area. The number of species recorded reflects the diver-

sity of the area but also depends on the number of samples collected (Figure 3-5, top).

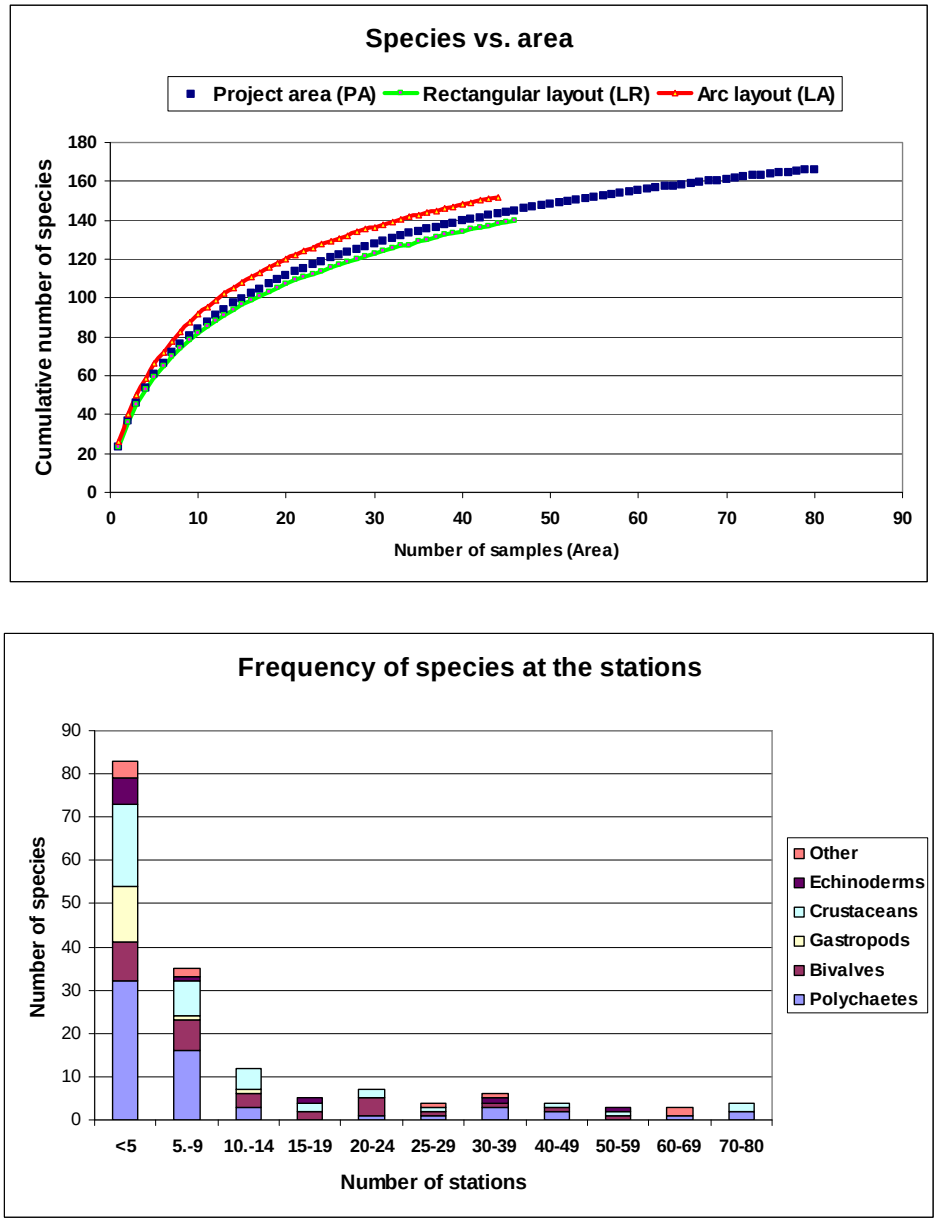


Figure 3-5 Top. Species - area curves for the project area, the rectangular and the arc-formed layouts of the wind park, respectively. Bottom: The frequency of species at the stations.

More samples (a larger area sampled) would increase the total number of species in the project area but in a rapidly decreasing rate. All common and abundant species is recorded. This statement is supported by figure 3-5, bottom. Half of the total number of species (=83 species) was only recorded at 1-4 stations. In addition to

the limited frequency the density of the “rare” species was mostly low. The low frequent species only contributed 2.8% of the total abundance of the benthic fauna.

This is a normal and expected characteristic of the benthic fauna that the frequency and abundance of most species are low and that the dominant species are relatively few, widely distributed and abundant. The species richness (diversity) in the Rectangular layout of the wind farm and the project area are almost similar, whereas the species richness in the Arc-formed layout is a little higher, cf. Figure 3-5, top.

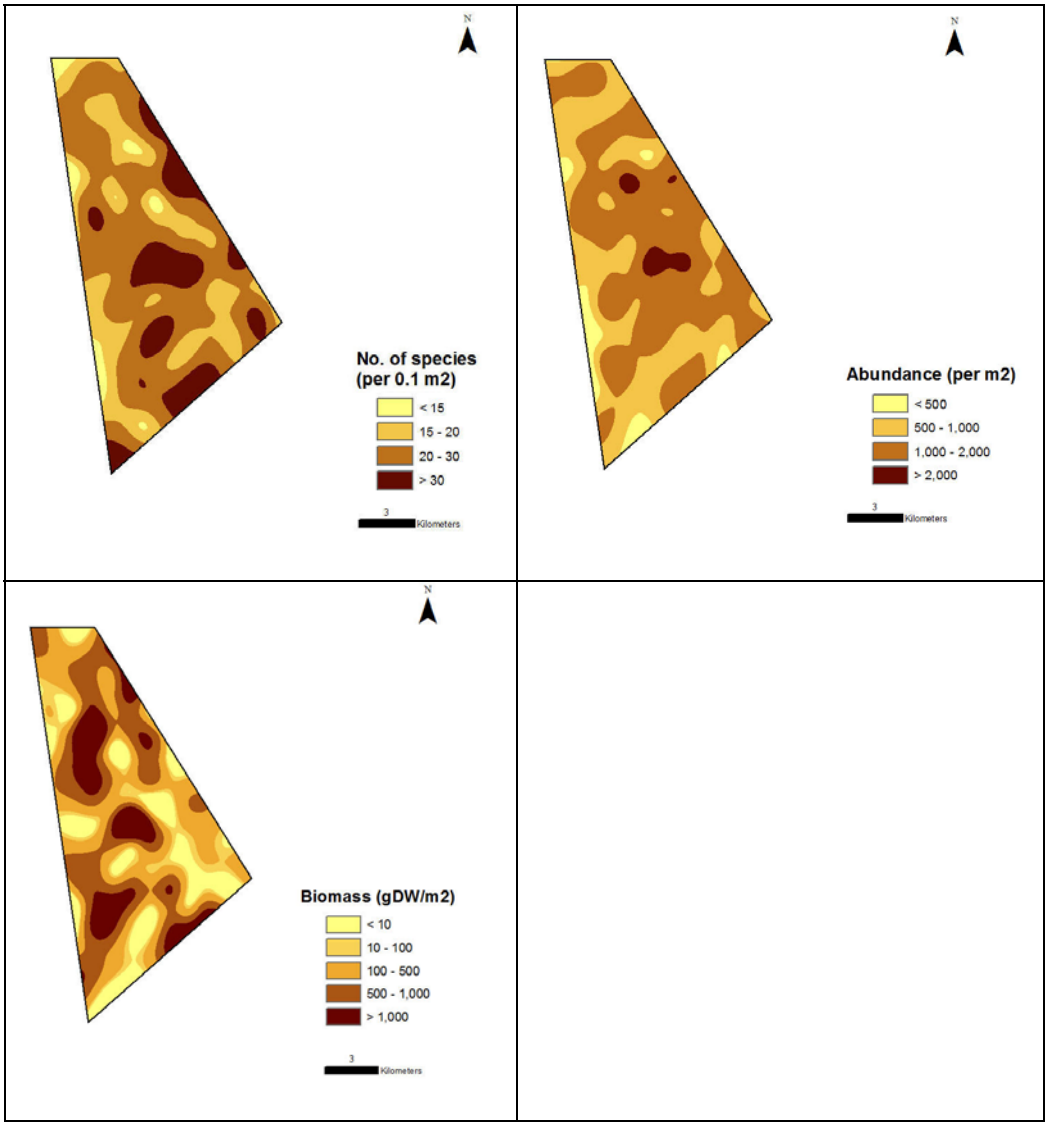


Figure 3-6 Upper left: Number of species. Upper right: Abundance of the benthic fauna. Lower left: Biomass of the benthic fauna.

The number of species recorded at the stations in the project area was between 14 and 53 species $0.1m^{-2}$ (average: 24 species $0.1m^{-2}$). More than 20 species was found at most stations in the project area (Figure 3-6, upper left). Species richness lower

than 20 species or higher than 30 species was found at a limited number of stations scattered in the project area.

The average number of species in the Rectangular park layout was 23 species and in the Arc-formed layout of the park 26 species (rounded numbers).

Polychaetes was the most diverse taxonomic group (61 species), followed by crustaceans (41 species) and bivalves (29 species). Next were gastropods (snails), 15 species, echinoderms (10 species) and a number of taxa called “other” (10 species). The relative contribute of the taxonomic groups to the total number of species in the project area is illustrated in Figure 3-7, upper left.

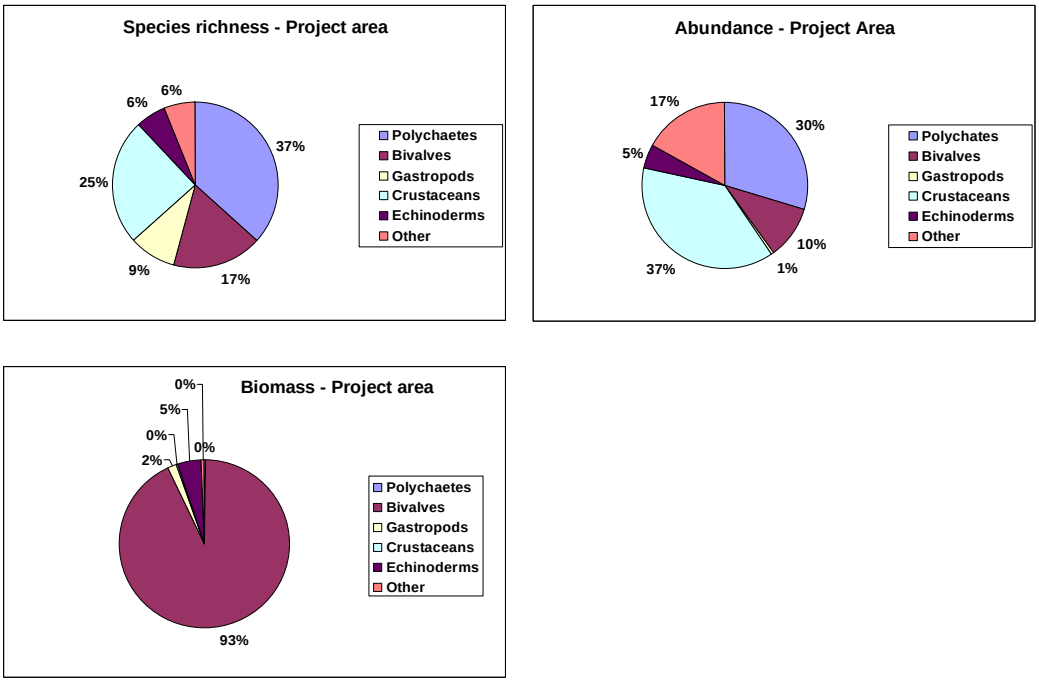


Figure 3-7 Upper left: Relative contributes of the taxonomic groups to the total number of species. Upper right: Relative contributes of the taxonomic groups to the total abundance. Lower left: Relative contributes of the taxonomic groups to the total biomass of the benthic fauna.

3.2.3.2 Abundance of the benthic fauna

The abundance of the benthic fauna at the stations ranged in rounded numbers between 300 ind.m^{-2} and 2400 ind.m^{-2} (average: 1100 ind.m^{-2}). The abundance was roughly below or above 1000 ind.m^{-2}, respectively at about half of the stations and only at three stations above 2000 ind.m^{-2} (Appendix 3 and Figure 3-6, upper right).

The benthic fauna appears in general to be most abundant in the central and eastern part of project area but low abundant stations are also found in this area.

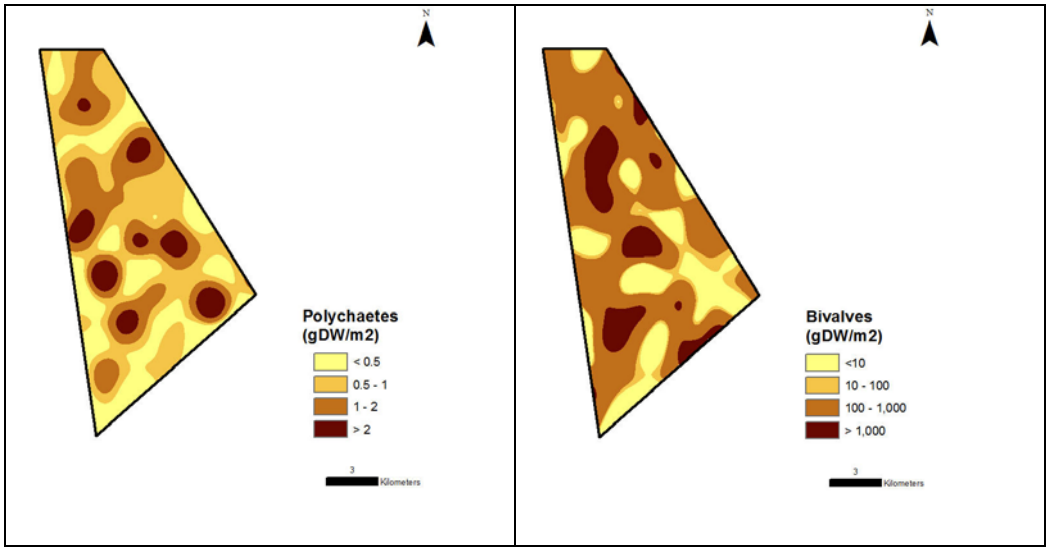
Crustaceans contribute most to the total abundance of the benthic fauna (37%) followed by polychaetes (30%) and species belonging to the taxonomic group “other” (17%). Bivalves (10%) and echinoderms (5%) are next in importance, whereas contribute of gastropods to the benthic abundance is insignificant (1%), cf. Figure 3-7, upper right).

The average abundance of the benthic fauna in the Rectangular park layout was 1050 ind.m^{-2} and 1220 ind.m^{-2} in the Arc-formed layout of the wind park.

3.2.3.3 Biomass of the benthic fauna

The biomass of the benthic fauna was highly variable among the stations and ranged between 2 gDWm^{-2} and 2950 gDWm^{-2} (average: 475 gDWm^{-2}).

The biomass of the taxonomic groups is shown in Figure 3-8. Stations with a low respectively a high biomass have a patchy distribution in the project area for all taxonomic groups. The biomass of bivalves, which accounts for 93% of the biomass, cf. Figure 3-7, lower left, was much higher than the biomass of the remaining taxonomic groups, which together accounted for 7% of the benthic biomass (Figure 3-7, lower left).



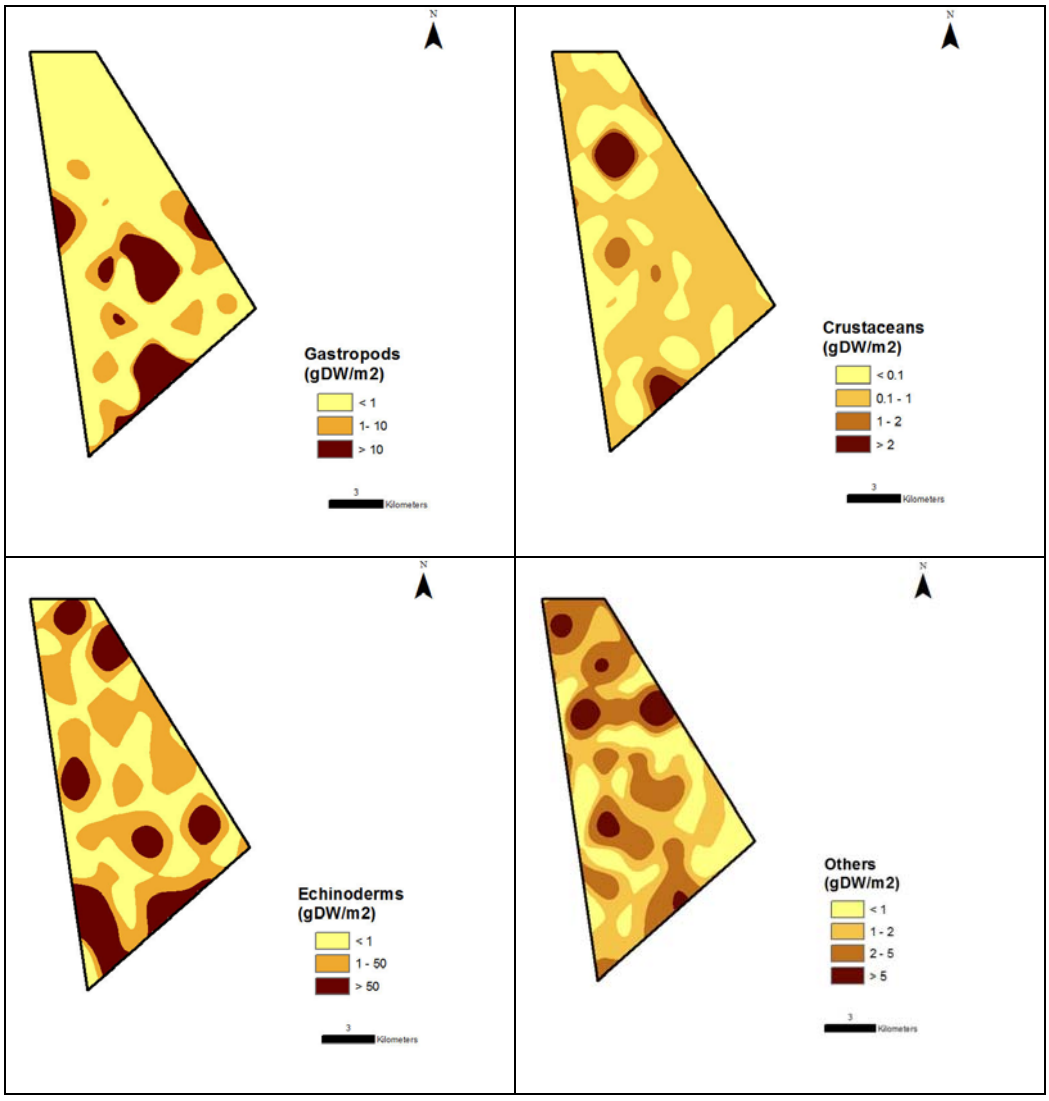


Figure 3-8 Biomass of polychaetes, bivalves, gastropods, crustaceans, echinoderms and the taxonomic group “others” in the project area.

3.2.4 Dominant species

3.2.4.1 Polychaetes

Polychaetes are the most diverse component of the benthic fauna and accounts for 30% of the benthic abundance in the project area. The ten most abundant species are listed in Table 3-1.

Table 3-1 Polychaetes - Ten most abundant species, average abundance and contributes to the abundance of the benthic fauna in the project area.

Species	Average abundance (m^{-2})	Contribute to abundance (%)
Ophelia borealis	109	10.0
Scoloplos armiger	83	7.6
Spio filicornis	25	2.3
Spiophanes bombyx	14	1.2
Pholoe inornata	13	1.2
Ampharete finmarchica	12	1.1
Pholoe balthica	10	0.9
Chaetozone setosa	7	0.6
Nephtys longosetosa	6	0.6
Nephtys caeca	6	0.5
Total	**285**	**26**

The ten most abundant species of polychaetes accounts for 26% of the benthic abundance whereas the remaining 51 species of polychaetes accounts for 4%.

The two most common species (*Ophelia borealis* and *Scoloplos armiger*) are characteristic substrate feeders living in clean sand in shallow waters. The species are locally abundant in the eastern and northern part of the project area, but high and low abundant populations are scattered in the whole project area (Figure 3-9).

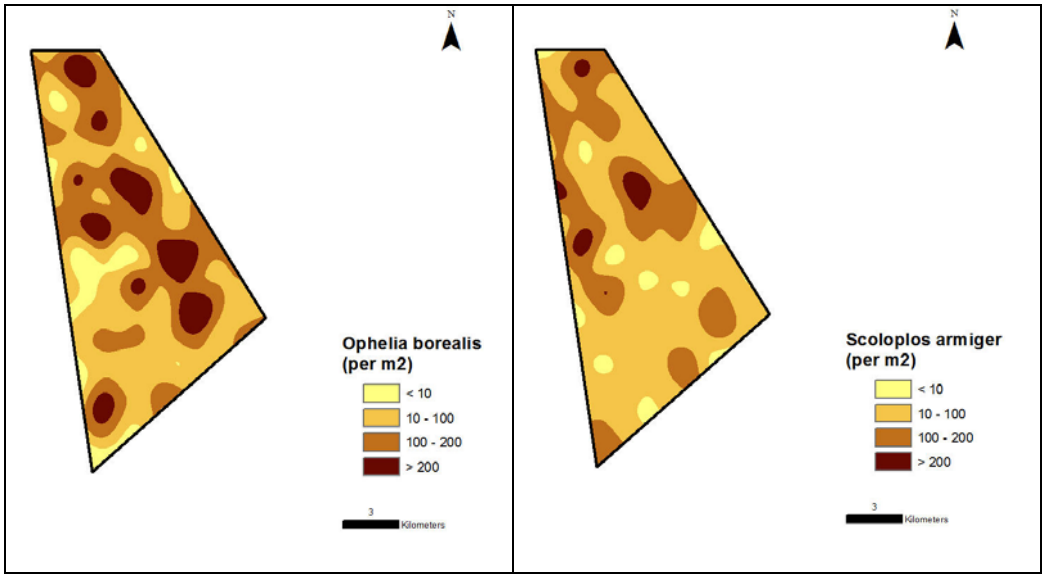


Figure 3-9 Abundance of the polychaetes *Ophelia borealis* (left) and *Scoloplos armiger* (right) in the project area.

3.2.4.2 Bivalves

Bivalves is a rich component of the benthic fauna (29 species=17% of total) and accounts for 10% of the abundance and most of the benthic biomass (93%).

The five species of bivalves which contribute most to the benthic biomass is listed in Table 3-2 together with the average abundance of the species.

Table 3-2 Bivalves - Five species, which contributes most the benthic biomass and the abundance of the species in the project area.

Species	Average biomass ($gDWm^{-2}$)	Contribute to biomass (%)	Average abundance (m^{-2})	Contribute to abundance (%)
Arctica islandica	314	66.3	12	1.1
Modiolus modiolus	118	25.0	6	0.6
Chamelia striatula	3.8	0.7	5	0.5
Dosinia lupinus	2.1	0.4	4	0.3
Astarte borealis	0.4	0.1	10	0.9
Total	**438.3**	**92.5**	**37**	**3.4**

The two large species the Icelandic cyprine (*Arctica islandica*) and horse mussels (*Modiolus modiolus*), accounts for 66% and 25%, respectively of the benthic biomass. The Icelandic cyprine is recorded at 65% of the stations and is most abundant in northern part of the project area (Figure 3-10).

The horse mussel is more scarce and only recorded at 15% of the stations in the project area. The abundance of both species is rather low and the most abundant bivalve was *Thracia papyracea* (average abundance: 18 m^{-2}).

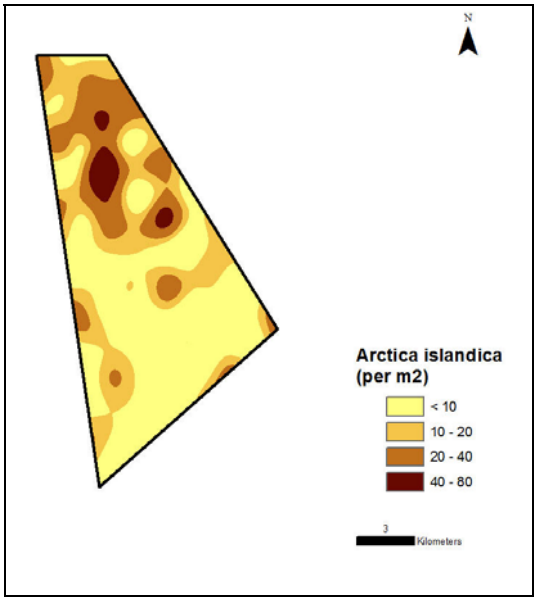


Figure 3-10 Abundance of Icelandic cyprine (*Arctica islandica*) in the project area.

3.2.4.3 Gastropods

Ten species of is recorded but the frequency, abundance and biomass of gastropods (snails) are very low. The most common and abundant species is *Euspora pulchella* (many synonyms including *Natica alderi*). Large specimens of the whelk (*Buccinum undatum*) were found at a few stations and accounts for most of the biomass of gastropods, cf. Figure 3-8.

3.2.4.4 Crustaceans

Crustaceans are rich in species (41 species=25% of total) and a dominant component of the benthic abundance (37%), cf. Figure 3-7. However the contribute to the benthic biomass is insignificant due to the small size of most species (Figure 3-8). The ten most abundant species is listed in Table 3-3.

Table 3-3 Bivalves - Ten most abundant species, average abundance and contributes to the abundance of the benthic fauna in the project area.

Species	Average abundance (m^{-2})	Contribute to abundance (%)
Bathyporeia elegans	159	14.6
Ampelisca tenuicornis	81	7.5
Bathyporeia guilliamsoniana	42	3.8
Leptocheirus hirsutimanus	36	3.3
Pontocrates arenarius	15	1.4
Corophium crassicorne	13	1.2
Corophium bonelli	11	1.0
Urothoe elegans	8	0.7
Urothoe poseidonis	6	0.6
Ampelisca brevicornis	5	0.5
Total	**376**	**34.6**

The burrowing amphipod *Bathyporeia elegans*, characteristic for clean sandy habitats, was the single most abundant species and accounts for almost 15% of the benthic abundance in the project area. The species was most common and abundant in the eastern and northern part of the project area while another abundant species of *Bathyporeia* (*B. guilliamsoniana*) had a more scattered distribution, cf. Figure 3-11.

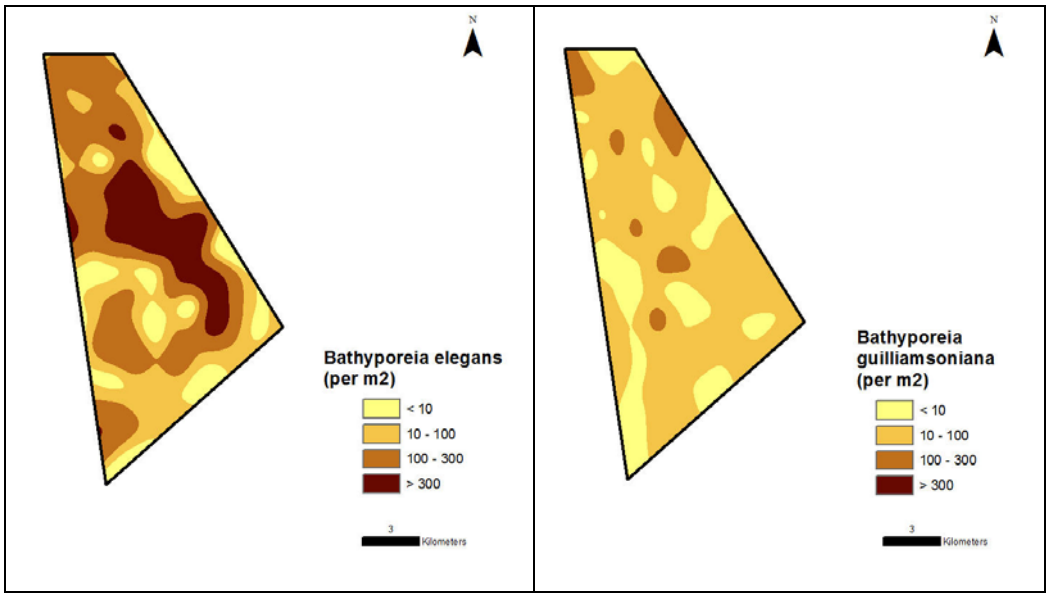


Figure 3-11 Abundance of the crustaceans *Bathyporeia elegans* (left) and *Bathyporeia guilliamsoniana* (right) in the project area.

3.2.4.5 **Echinoderms**

The echinoderms, which included starfish, brittle stars and sea urchins, accounted for 5-6% of the species richness, abundance and biomass of the benthic fauna in the project area (Figure 3-7).

The small sea urchin *Echinocyamus pusillus* was a common species and most abundant in the eastern and central part of the project area (Figure 3-12). The brittle star *Amphiura filiformis* was also rather common and abundant. However, both species contributed less than 0.1% of the benthic biomass. The larger sea urchin *Echinocardium cordatum* was less common than the two above species but accounted for 4.2% of the benthic biomass due to its size.

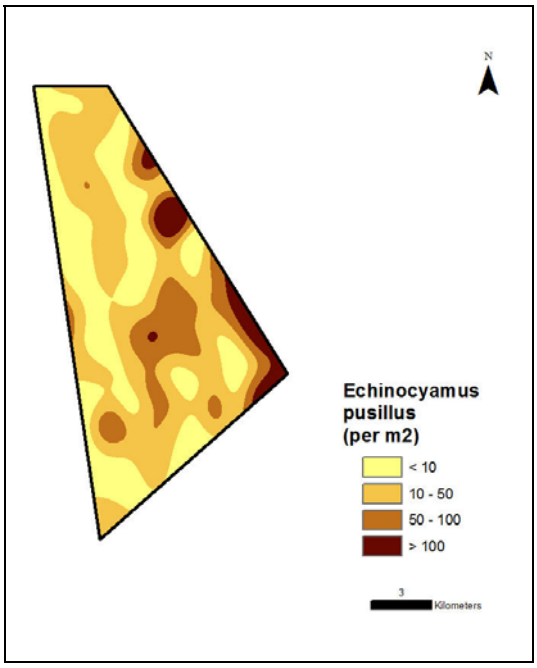


Figure 3-12 Abundance of the sea urchins *Echinocyamus pusillus* in the project area.

3.2.4.6 **Other taxonomic groups**

Other taxonomic groups included ten species and accounted for 17% of the benthic abundance. The biomass of the species was low, cf. Figure 3-7.

The most abundant species belong to Phoronida (*Phoronis* sp.), Cephalochordata (*Branchiostoma lanceolatum*) and Polyplacophora (*Lepidopleurus asellus*) which together accounted for 15.4% of the benthic abundance.

The species has a patchy distribution, but *Phoronis* sp. appears to be most abundant at stations in the northern and *Branchiostoma lanceolatum* in the southern part of the project area (Figure 3-13). *Branchiostoma lanceolatum* is characteristic for clean sandy habitats.

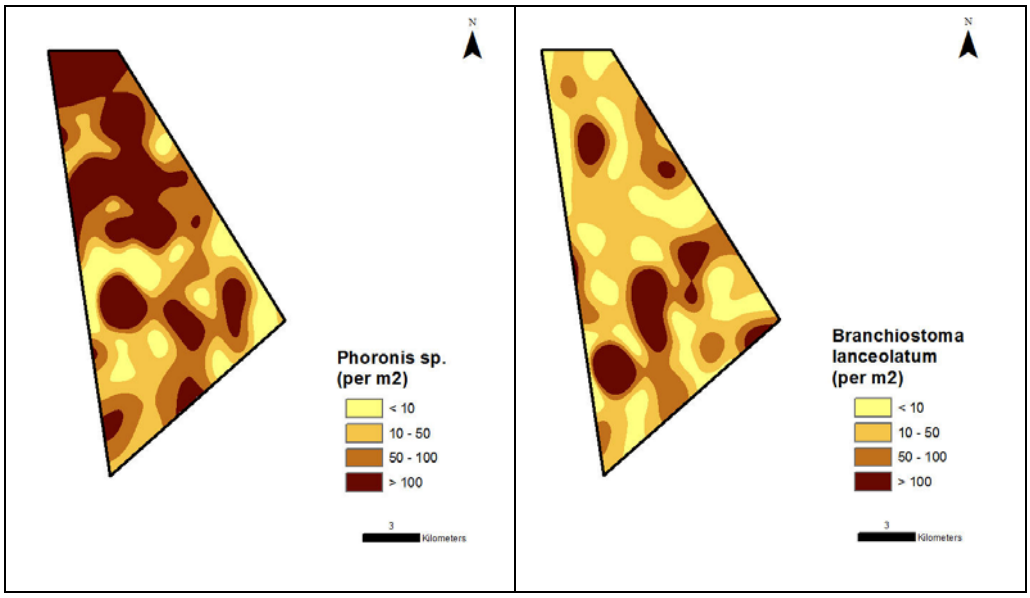


Figure 3-13 Abundance of *Phoronis* sp. (left) and the *Branchiostoma lancealatum* (right) in the project area.

3.2.5 Size distribution of bivalves

According to the measurements the shell length of the bivalves were grouped in 1mm or 5mm intervals in Annex 5 and Annex 6, respectively.

The maximum shell length of bivalve species grouped in 1 mm intervals was about 20 mm. Most of the individuals in this group of bivalves are <5 mm and young bivalves predominates. Larger and older specimens of most of the species are scarce. However, the most abundant species *Thracia papyracea* and the less common and abundant species *Cochlodesma praetenue* is represented by more size classes, se Figure 3-14,upper left.

The horse mussels (*Modiolus modiolus*) and the Icelandic cyprine (*Arctica islandica*) are by far the largest species with a maximum shell length of 120 mm and 93 mm, respectively. It is characteristic that the population of Icelandic cyprine are dominated by small (<5 mm) and large (>70 mm) specimens, whereas specimens of intermediate size and age are scarce (Figure 3-14, upper right). The growth rate of this species is slow and the largest specimens must be very old.

The population of horse mussels are dominated by large specimens (>70 mm) and smaller and younger size classes are scarce (Figure 3-14, lower left).

The population of *Chamelea striatula* illustrate a size distribution, which is characterised by a gradual decline in the number of larger and older bivalves, which is consistent with regular recruitment and die off of the population (Figure 3-14, lower right).

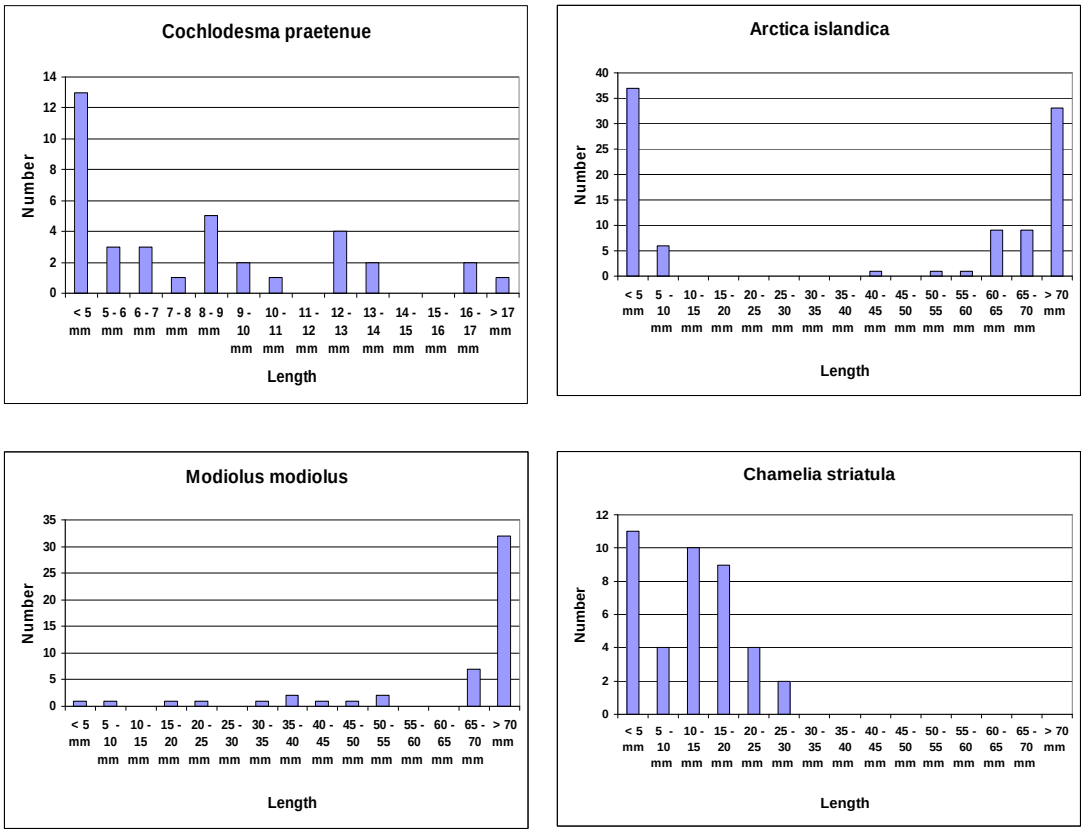


Figure 3-14 Shell length distribution of four species of bivalves.

3.2.6 Structure of the benthic community

The structure of the benthic community was analysed on the basis of fourth root transformed abundance and biomass of the species using cluster analysis and MDS ordination. The analyses included a comparison between the Rectangular and the Arc-formed layout of the wind farm, but also separate analyses of the Rectangular and the Arc-formed layout, respectively against the remaining stations in the project area.

The conclusions of the analyses were basically similar and therefore only the results of the comparison of the Rectangular and Arc-formed layouts are presented.

3.2.6.1 Comparison of the Rectangular and the Arc-formed layout

The results of the cluster analysis and the ordination based on abundance and biomass of the benthic fauna is shown in Figure 3-15 and Figure 3-16, respectively.

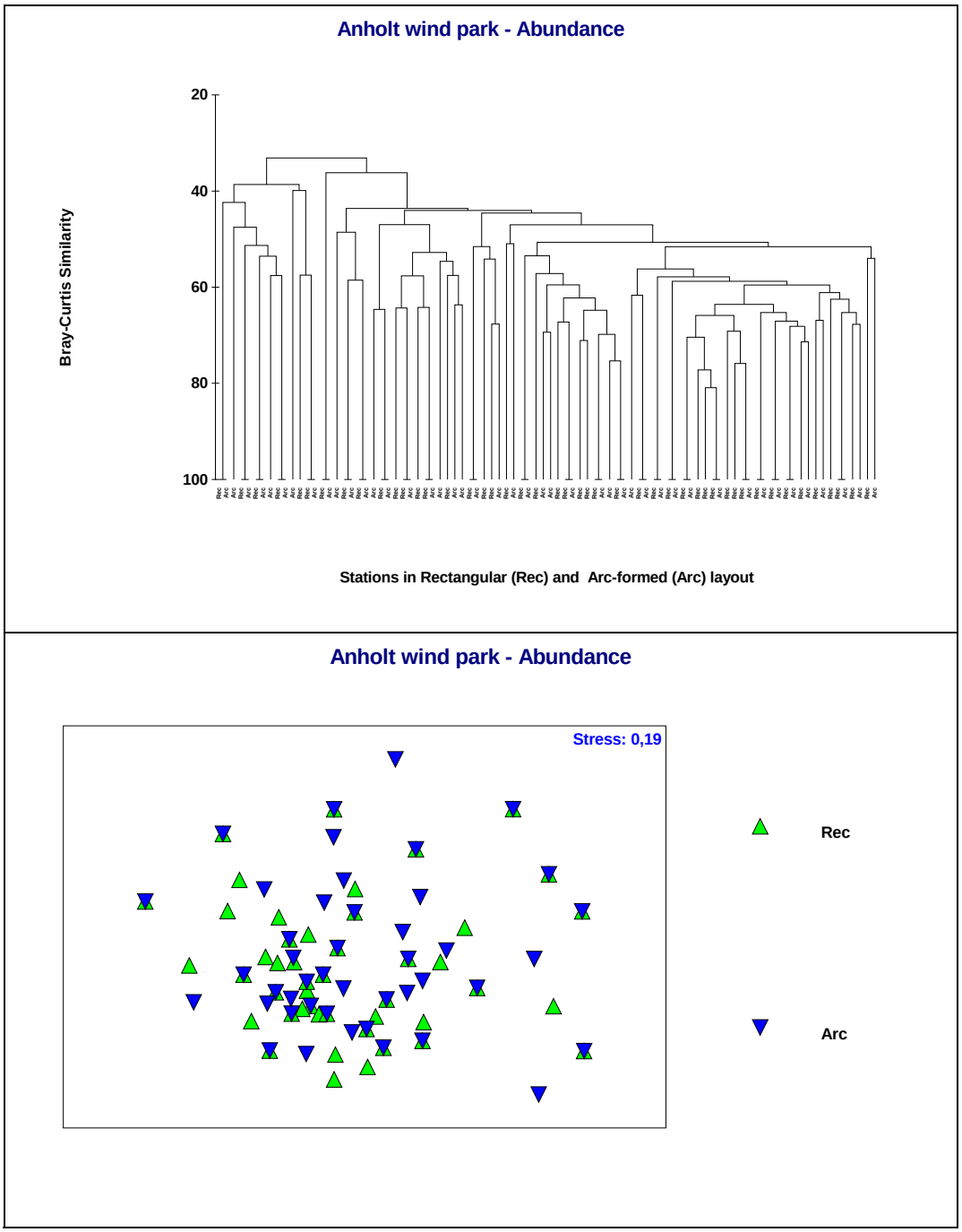


Figure 3-15 Top. Result of cluster analysis based on abundance data presented in a dendrogram. Rec: Rectangular layout and Arc: Arc-formed layout. Bottom: Result of MDS-ordination.

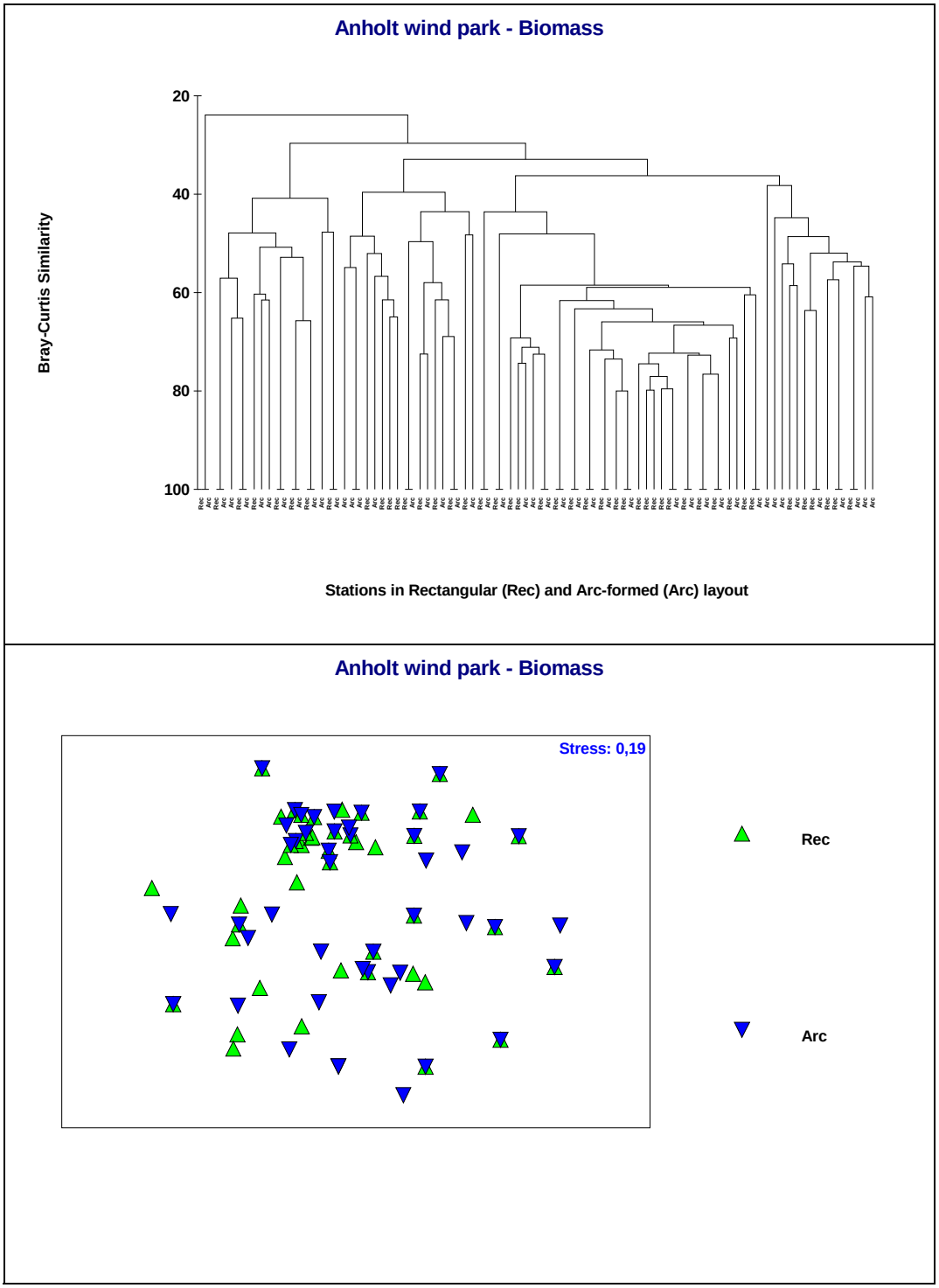


Figure 3-16 Top. Result of cluster analysis based on biomass data presented in a dendrogram. Rec: Rectangular layout, Arc: Arc-formed layout. Bottom: Result of MDS-ordination.

A comparison of the results of the cluster analysis (Figure 3-15, top and Figure 3-16, top) shows that the stations fall in larger and smaller clusters. The similarity of most stations is above 40% when the analysis is based on abundance and a little lower (about 30%) in the analysis based on biomass. Most clusters include both stations from the Rectangular layout (Rec) and the Arc-formed layout (Arc). This is clearly illustrated by the MDS ordination (Figure 3-15, bottom and Figure 3-16, bottom).

According to a One-Way ANOSIM test /2/ the similarity of the structure of the benthic fauna in the Rectangular layout and the Arc-formed layout is not significantly different.

The similarity of the benthic fauna and the average abundance and biomass of the species contributing to the similarity in the areas covered the Rectangular and the Arc-formed layout is summarised in Table 3-4 and Table 3-5.

Table 3-4 Average abundance of species and contribute of the species, which accounts for 50% similarity in the Rectangular layout and the Arc-formed layout.

Species	**Rectangular layout** (Average similarity 45.3%)		**Arc-formed layout** (Average similarity 43.8%)	
	Average abundance (m^{-2})	Contribute to similarity (%)	Average abundance (m^{-2})	Contribute to similarity (%)
Bathyporeia elegans	152	10.8	190	9.9
Ophelia borealis	102	10.8	119	10.4
Scoloplos armiger	82	10.3	89	9.8
Phoronis sp.	108	9.0	105	8.2
Ampelisca tenuicornis	59	8.1	85	8.0
Branchiostoma lanceolatum	53	5.5	49	5.7
Total	**556**	**54.5**	**637**	**52.0**

Table 3-5 Average biomass of species and contribute of the species, which accounts for 50% similarity in the Rectangular layout and the Arc-formed layout.

Species	**Rectangular layout** (Average similarity 39.3%)		**Arc-formed layout** (Average similarity 36.9%)	
	Average biomass ($gDWm^{-2}$)	Contribute to similarity (%)	Average biomass ($gDWm^{-2}$)	Contribute to similarity (%)
Arctica islandica	386.7	22.8	352.2	17.0
Phoronis sp.	1.64	10.8	1.49	10.5
Ophelia borealis	0.24	8.2	0.24	8.6
Scoloplos armiger	0.15	7.6	0.17	7.5
Branchiostoma lanceolatum	0.34	5.4	0.33	6.3
Bathyporeia elegans			0.05	5.1
Total	**389.1**	**54.8**	**354.5**	**55.0**

The similarity of the benthic community in the area covered by the Rectangular and Arc-formed layouts is almost the same and a little higher in the analyses based on abundance (Table 3-4) compared to the analyses based on biomass (Table 3-5).

The structure of the benthic community in both areas (Rectangular and Arc-formed layout) and in general in the entire project area is characterised by the same dominant species. The distribution of the benthic species is patchy and the abundance and biomass of the dominant species are therefore moderately different in the various subareas delineated by the Rectangular and Arc-formed layouts. This characteristic will possibly also be true in case of changes in the layout of the wind park.

3.2.6.2 Structure of the benthic community and environmental factors

The structure of the benthic community in the project area may be affected by a combination of natural biological, physical and chemical environmental factors.

The relationship between the structure of the benthic fauna and the measured environmental factors (grain size, loss on ignition of the sediment and water depth) has been analysed on the basis of abundance and biomass data using BIOENVIR /2/, cf. Table 3-6.

Table 3-6 Spearman coefficient of correlation between the structure of the benthic community and environmental variables measured in the project area in April 2009. Based on BIOENVIR /2/ and fourth root transformed abundance and biomass data and log (x+1) transformed environmental data.

Variables	Spearman coefficient of correlation: r_s	
	Based on abundance	**Based on biomass**
Grain size (d_{50})	0,435*	0,315*
Loss on ignition	0,171	0,080
Water depth	0,077	0,037
Best Overall*	**0,435**	**0,315**

Only few environmental variables are available for the analysis. However, the grain size of the sediment affects the structure of the benthic community whereas the importance of the content of organic matter in the sediment (loss on ignition) and water depth in insignificant.

The sediment is the immediate habitat of the benthic fauna. The grain size may affect sediment stability, burrowing properties, tube construction, and aeration and magnitude of oxidised zone of importance for many species.

3.3 Environmental impacts

3.3.1 Method for impact assessment

3.3.1.1 Worst case scenario

The expected impacts on the benthic fauna in the construction and operation phases of the project are assessed on the basis of the worst case scenario, which is a combination of 174 turbines (2.3 MW each) and use of gravity foundations /3/. Details

on the foundations and layout of possible scour protection around the foundations with respect to stone dimensions, thickness and extension of the stone layers of importance for development of hard bottom fauna on the solid structures ("Reef effect") will be defined during the detailed design of the wind farm.

The expected temporary and permanent impacts of the worst case scenario due to dredging (foundations) and jetting (cable laying) on suspended matter and sedimentation of the spill and local and regional (global) impacts on water quality, current and waves due to the presence of the foundations has been assessed based on modelling and a number of assumptions /3/.

3.3.1.2 Sensitivity of the benthic fauna

Removal and disturbance of the seabed habitat and elevated concentrations of suspended matter and increased sedimentation due to the sediment spill may in general affect different functional level of the ecosystem including primary production, filter feeding invertebrates, migration of fish, survival of egg and larvae and forage opportunities of visual predators of fish, seabirds and mammals /5,6/.

The effect on the benthic fauna is species and life stage specific and depends on the magnitude and duration of the environmental changes, the tolerance of the species to the changes and the ability of the species to recover due to recruitment and/or immigration during and after the perturbations.

The sensitivity of a number of benthic species recorded in the project area to changes in physical factors is summarized in Table 3-7.

Table 3.7 Sensitivity of benthic invertebrates recorded in the project area to changes in physical environmental factors relevant in the construction and operation phase of an offshore wind farm. Based on MarLIN /7/. NS: Not sensitive, ?: Insufficient information

Species	**Construction phase**				**Operation phase**		
	Physical factor and benchmark				**Physical factor and benchmark**		
	Substratum (habitat) loss	Smothering (burial)	Increase in suspended sediment	Noise	Increase in wave exposure	Increase in water flow rate	Increase in temperature
	Sudden removal	5cm during 1 month	100 mg/l during 1 month	130 dB	2 ranks for 1 year	0.5-1.5m/s for 1 year	2°C for 1 year
Polychaetes							
Cirratus cirratus	High	High	NS	NS	Low	Low	NS
Owenia fusiformis	Moderate	Low	NS	NS	Low	NS	Low
Pomatoceros triqueter	Moderate	Moderate	Low	NS	Low	NS	NS
Spio filicornis	Moderate	Very Low	NS	NS	Low	Low	Very Low
Spiophanes bombyx	Moderate	Low	NS	?	Moderate	Moderate	Very low
Bivalves							
Arctica islandica	High	Moder-	NS	NS	Moder-	Very Low	High

Species	Construction phase				Operation phase		
	Physical factor and benchmark				Physical factor and benchmark		
	Substratum (habitat) loss	Smothering (burial)	Increase in suspended sediment	Noise	Increase in wave exposure	Increase in water flow rate	Increase in temperature
	Sudden removal	5cm during 1 month	100 mg/l during 1 month	130 dB	2 ranks for 1 year	0.5-1.5m/s for 1 year	2°C for 1 year
		ate			ate		
Corbula gibba	Moderate	NS	NS	NS	Low	Low	NS
Modiolus modiolus	High	High	NS	NS	High	High	NS
Mya arenaria	Moderate	Low	Low	NS	Low	Low	Very Low
Mytilus edulis	Moderate	Low	NS	NS	Low	Very low	Very Low
Nucula nitidosa	Moderate	Very low	NS	?	Moderate	Low	NS
Crustaceans							
Bathyporeia pelagica	Low	Low	Very Low	NS	Moderate	Moderate	Low
Liocarcinus depurator	Low	NS	NS	NS	Low	Low	Low
Echinoderms							
Amphiura filiformis	Moderate	Very low	Very low	NS	Moderate	Moderate	Low
Asterias rubens	Moderate	Very Low	Low	NS	Low	Low	Moderate
Echinocardium cordatum	Moderate	NS	Low	NS	Low	Low	Low
Ophiothrix fragilis	Moderate	Moderate	Very low	Very low	Very low	Very low	Low
Psammechinus miliaris	Moderate	Moderate	Very low	NS	Low	Very low	Moderate

The approach used in MarLIN is described in /8/. The sensitivity of a species is assessed relative to benchmarks, which define the magnitude and the duration of the imposed change of the physical factors. The derivation of benchmarks is based on literature reviews and quantitative benchmarks are defined when possible e.g. smothering (burial) of a species or habitat by 5cm of sediment for 1 month.

The sensitivity of a species is based on assessments combining the intolerance to the physical change (defined by the benchmarks) and the recoverability (Table 3-8).

The ability to recover has a great weight in the combined assessment of the sensitivity of the species.

Table 3-8 Sensitivity matrix combining intolerance and recoverability to a change /7/.

Intolerance	Recoverability						
	None	Very low (>25 y)	Low (>10-25y)	Moder-ate (>5-10y)	High (1-5y)	Very high (<1y)	Immedi-ate (<1week)
High	Very high	Very high	High	Moderate	Moderate	Low	Very low
Intermediate	Very high	High	High	Moderate	Low	Low	Very low
Low	High	Moderate	Moderate	Low	Low	Very low	NS
Tolerant	NS	NS	NS	NS	NS	NS	NS

3.3.1.3 **Summary of environmental impacts**

The environmental impact on the benthic fauna in the construction and operation phases will be summarized according to the criteria defined in Table 3-9.

Table 3-9 Criteria used in the environmental impact assessment during the construction and operation phase of the offshore wind farm.

Intensity of effect	Scale of effect	Duration of effect	Overall significance of impact[1]
No	Local	Short-term	No impact
Minor	Regional	Medium-term	Minor impact
Medium	National	Long-term	Moderate impact
Large	Transboundary		Significant impact
[1]: Evaluation of overall significance of impact includes an evaluation of the variables shown and an evaluation of the sensitivity of the resource/receptor that is assessed.			

3.3.2 Impacts during the construction phase

The main potential impacts on the benthic fauna due to the construction work are related to:

- Habitat loss and disturbance of the seabed
- Increased concentrations of suspended matter due to sediment spill
- Increased sedimentation due to sediment spill

The potential impacts on the benthic fauna during the construction phase are summarized in Table 3-10.

Table 3-10 Sources of impact and potential impacts on benthic fauna during the construction phase.

Project activity	Sources of potential impact	Potential environmental impact
Dredging (foundations)	Removal and disturbance of the seabed habitat around the foundations	Acute loss of animals due to sudden removal of the habitat
Jetting (cables between the turbines)	Disturbance of the seabed along the cables trenches between the turbines	Increased mortality due burial and/or increased exposure for predation
Sediment spill during dredging and jetting	Increased concentrations of suspended matter	Clogging of respiratory surfaces (gills)
Sediment spill during dredging and jetting	Increased sedimentation	Smothering and burial

3.3.2.1 Habitat loss – affected areas and impact on benthic fauna

Preparation of the seabed is normally necessary to ensure that the foundations rest on firm consolidated substrate. The dredging volume and the area of the seabed affected depend on the composition of the seabed (sand and/or clay) at the foundation sites and the size (diameter) of the foundations.

The diameter of the foundations for smaller turbines may be up to 20m /4/. The dimensions of the foundation used in modelling are given in Figure 3-17, lower left. On the basis of the geotechnical surveys it is assumed that removal of 2m of sand is necessary at 80% of the turbine sites. Additional removal of 4m and 8m of soft clay is assumed to be necessary at 10% of the turbines, respectively, cf. the sketch of the seabed in Figure 3-17, upper left. Sand and soft clay will be removed by backhoe dredgers and the holes filled with gravel to establish a firm basis /4/.

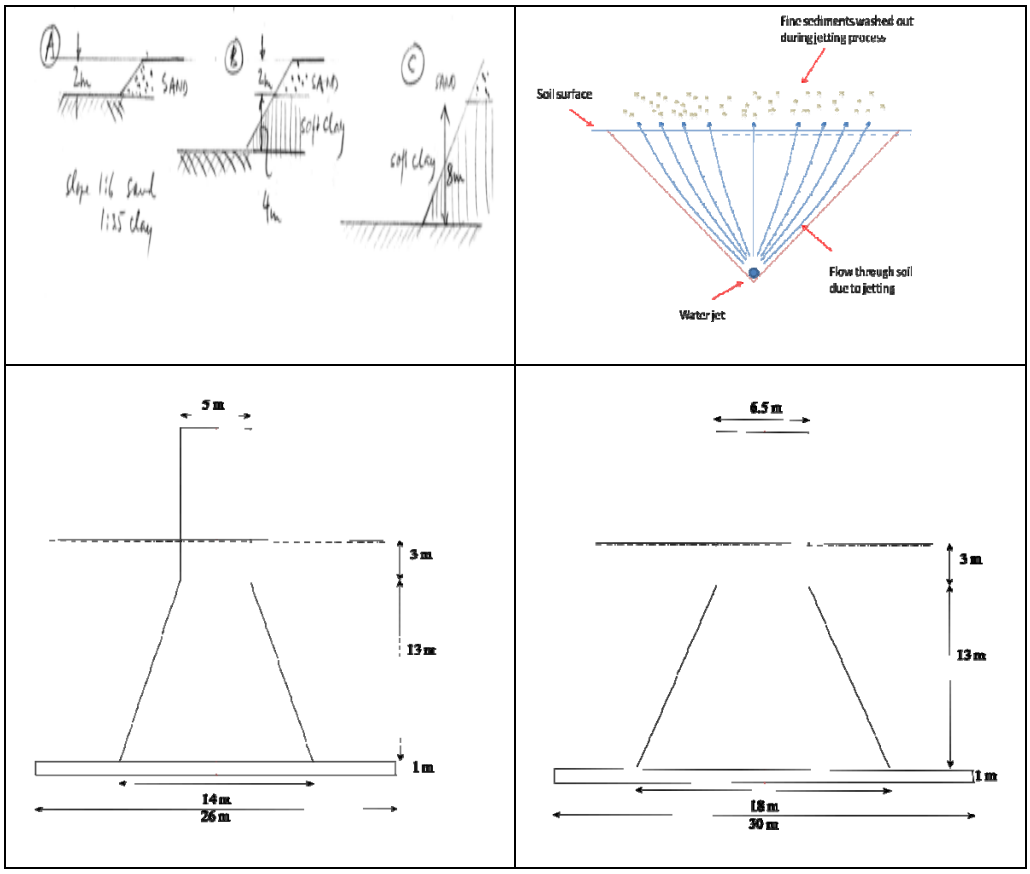


Figure 3-17: Upper left: Rambølls classification of the seabed in the wind farm area in cases a, b and c, depending on the depths and materials to be removed before gravity foundations can be placed. Upper right: Sketch of the water jetting effect. Lower left: Gravity base for 2.3 MW turbines (left) and Lower right: 5 MW turbines. The smaller foundations are applied in the numerical modeling /3/.

The seabed area removed by dredging and affected by jetting is estimated in Table 3-11.

Table 3-11 Estimates of habitat loss and sediment disturbance due to dredging and jetting.

Turbines	**Habitat loss - area removed**		**Sediment disturbance**
	Per turbine	Total area (rounded)	Cable length: 105km
140	850m^2	119000m^2	
17	3350m^2	57000m^2	
17	6750m^2	115000m^2	
174		291000m^2	315000m^2
% of 88 km^2		0.33%	0.36%

The estimates in Table 3-11 are based on a number of assumptions. The seabed area removed is calculated on the basis of the volumes of sand expected to be removed /3/. The uppermost 2 meters is removed and the size of the areas in Table 3-

11 is calculated as the volume divided by 2. This calculation may underestimate the seabed area removed especially at foundation sites where deep layers of soft clay should also be removed. However, the estimates suggests that the order of magnitude of the habitat loss due to dredging will probably affect less than 0.5% of the seabed area of the wind farm.

The distance between the foundations is about 600m and the total length of the cables between 174 turbines is about 105km. The disturbance of the seabed is about 1.5m^3/m /3/. The cable is buried 1.2m below the seabed and the sediment surface is disturbed in a zone about 3m broad along the cable trench due to jetting.

Most benthic species is intolerant to habitat loss except some mobile species of crustaceans, which may be able to escape. The sensitivity of most species to sudden removal of the habitat is moderate but the sensitivity is high for the Icelandic cyprine (*Arctica islandica*) and the Horse mussel (*Modiolus modiolus*) due to a slow recoverability, cf. Table 3-7. The Icelandic cyprine is a character species recorded at 65% of the sampling stations and a dominant component of the benthic biomass in the project area.

The dredged material will be reused if possible or dumped outside the wind farm. The dredging and dumping will destroy the animals living in the surface layers of the seabed (sand) removed.

The loss of sand habitat at the dredging sites will be permanent in the areas occupied by the foundations and a likely zone of scour protection stones around the foundations. The area of the 1m high basis of the foundations is 530m^2, cf. Figure 3-17, lower left.

Scour protection will be decided during the detailed design /4/. However, scour protection of stones has been used both around monopoles in Horns Rev and around gravity foundations in Nysted Offshore Wind Farm /9/. The volume of stones needed around each foundation will be 800-1100 m^3 /4/. The foundations in Nysted Offshore Wind Farm were 16 m in diameter and surrounded by a 5m wide layer of stones 1m height /10/. With a similar height of the stone layer the area occupied by the stones will be 800-1100m^2 around each foundation. The area occupied by the foundations and the surrounding zone of scour protection stones (approximately 1530m^2) will therefore be of the same magnitude as the area of sand removed. It means that the loss of seabed habitat will be permanent at most foundations. At 20% of the foundations the seabed area removed is larger than the area occupied permanently by the foundations and the scour protection stones. However, due to the filling of the large holes with gravel these foundations will be surrounded by a zone of gravel. This “new” habitat will not be re-colonised by species characteristic for the sandy habitat removed unless that sand migrate into the area and cover the gravel. However, seabed mobility is low in the area /3/ and this may be a long term process.

3.3.2.2 Sediment disturbance and impact on benthic fauna

Use of jetting during deployment of cables will destabilise the sediment. Some of the benthic species will sink into the fluidised sediment and becomes buried. Heavy bivalves like the Horse mussel (*Modiolus modiolus*) living on the sediment surface has a high sensitivity to burial and the Icelandic cyprine (*Arctica islandica*) living in close proximity to the surface has a moderate sensitivity. It is assumed that most of the Horse mussels and Icelandic cyprine living in the zone affected by jetting will be killed. Other species of bivalves, polychaetes, crustaceans and most echinoderms are less sensitive to burial and the mortality will be less.

In addition to the burial effect some animals will be exposed on the sediment surface by jetting and subject for increased mortality due to predation from especially fish species feeding on benthic fauna. The disturbance of the sediment by jetting is short term but the immediate mortality of the benthic fauna in the affected zone is expected to be pronounced. However, the area of the affected zone is limited and less than 0.5% of the area of the wind farm. Due to the short term disturbance the sediment will probably return to the previous state after a short period of consolidation in the affected areas. A rapid re-colonisation of most species is therefore expected due to immigration of adult and larvae from adjacent undisturbed areas and by recruitment. The abundance of the benthic fauna will probably be recovered in less than 1-5 years but recovery of the benthic biomass, dominated by large bivalves and especially Icelandic cyprine, will take much longer.

3.3.2.3 Impacts of increased concentrations of suspended matter

3.3.2.3.1 Seabed work and worst case scenario

The sediment spill during dredging (foundations) and jetting (cables) is assumed to take place 24 hours a day and 7 days a week. The dredging volume is 3200 m^3/day and the jetting 600m per day. The jetting is assumed to start 6 month after installation of the foundations begins and the total duration of dredging (303 days) and jetting (174 days) is 334 days or almost 1 year /3/. The model simulations of the sediment spill are based on a worst case scenario (174 turbines and gravity foundations) for both the Rectangular layout (Layout 1) and the Arc-formed layout (Layout 2).

3.3.2.3.2 Results of model simulations of suspended matter

I was intended to present the results of the simulations of the spreading of suspended matter relative to three criteria; 2 mg/l (visible plumes), 10 mg/l (of relevance for migration of sensitive fish species) and 15 mg/l (of relevance for the feeding of birds). However, the maximum depth averaged concentrations of suspended matter rarely exceeded 5 mg/l. The criteria for fish (10 mg/l) and birds (15 mg/l) were never exceeded and therefore not relevant (Figure 3-18 and Figure 3-19).

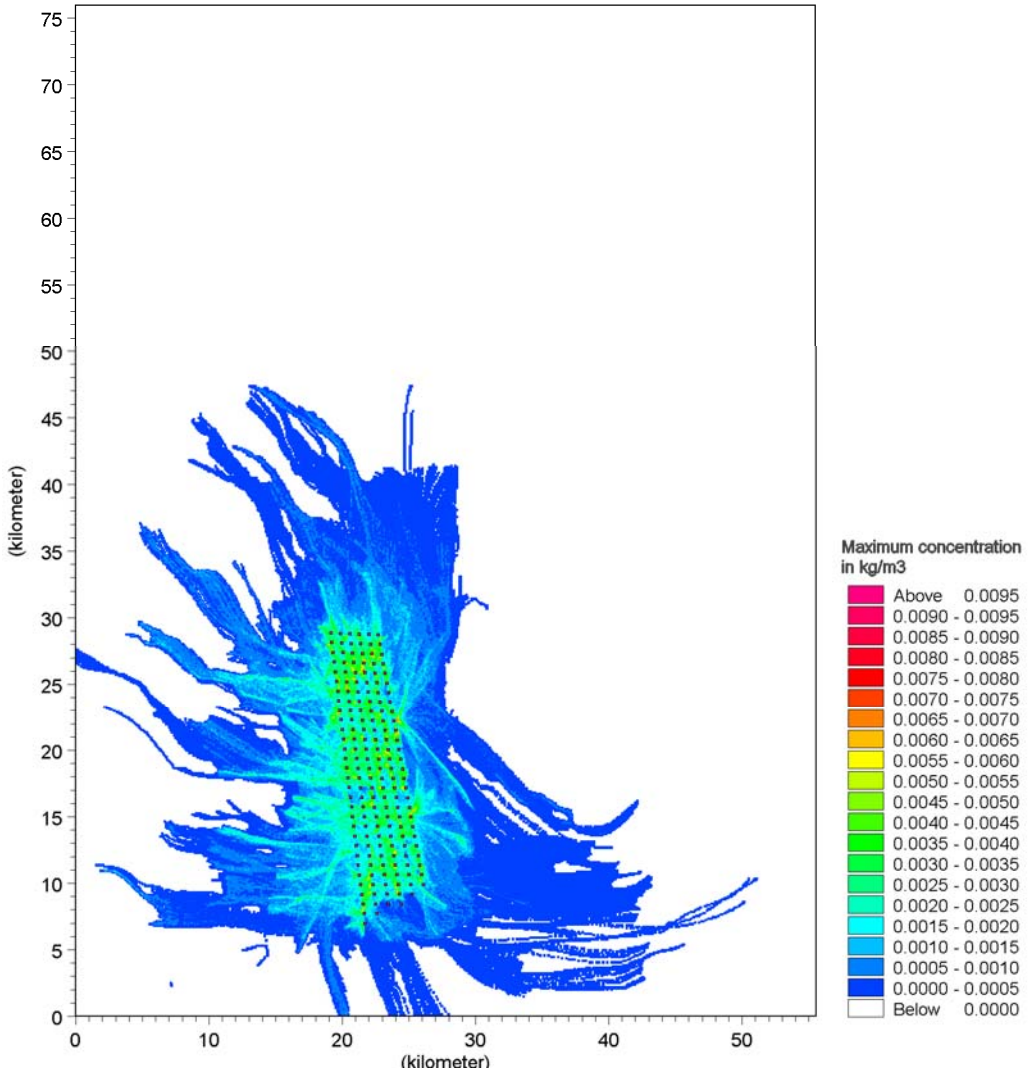


Figure 3-18 Maximum concentration of suspended matterfor layout 1 during the dredging operation.

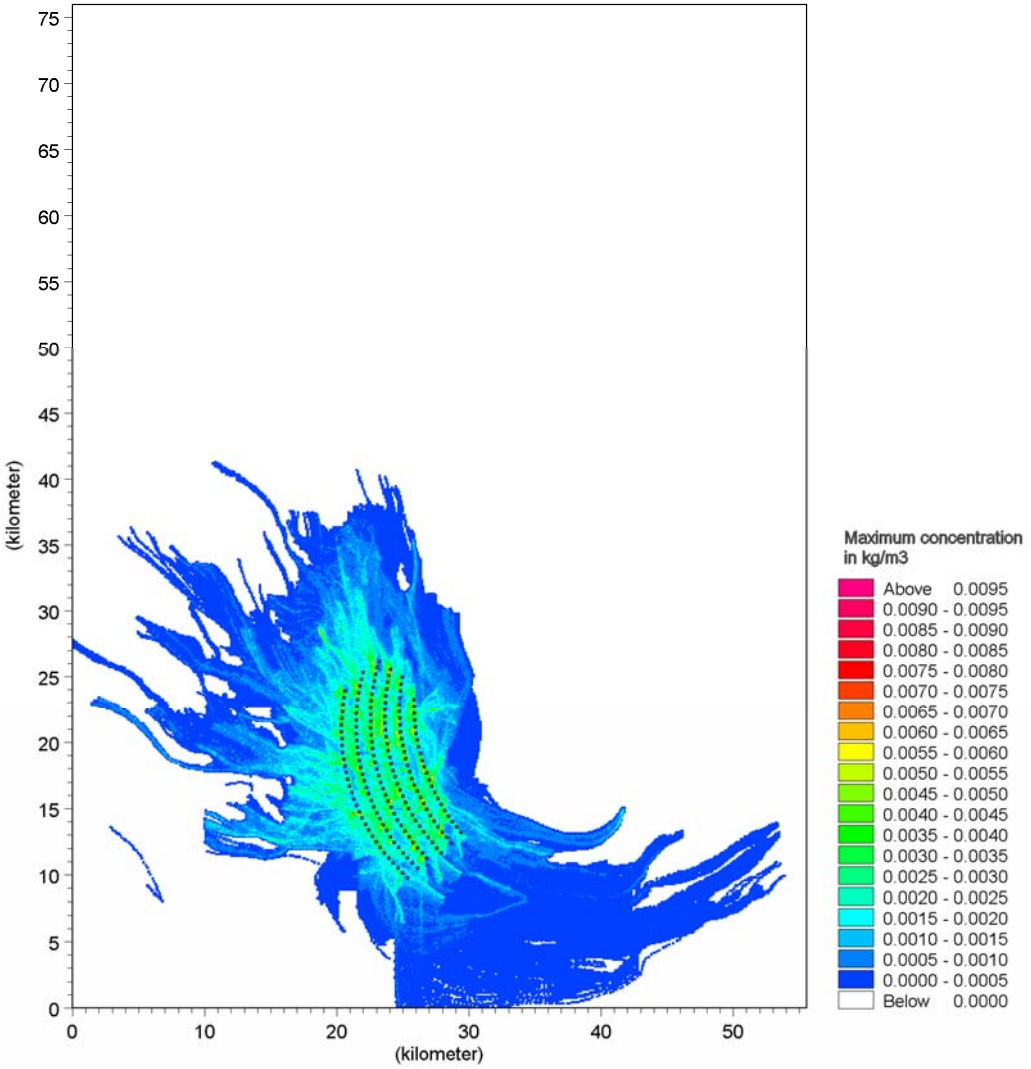


Figure 3-19 Maximum concentration of suspended matter for layout 2 during the dredging operation.

The maximum concentrations of suspended matter were just below 10 mg/l for both layouts and were only encountered close to the dredging sites. However, the pattern of the spreading of the spilled sediment was slightly different for the two layouts.

The percentage of the time during the dredging and jetting work where the concentrations exceeded 2mg/l (visible plumes) and 5 mg/l is presented in Figure 3-20 to Figure 3-23.

Visible plumes (2 mg/l) will not be observed outside the project area and only locally and for short time inside the project area. Concentrations of suspended matter of 5

mg/l were only exceeded close to the foundations (dredging sites) and only very shortly (< 1hour).

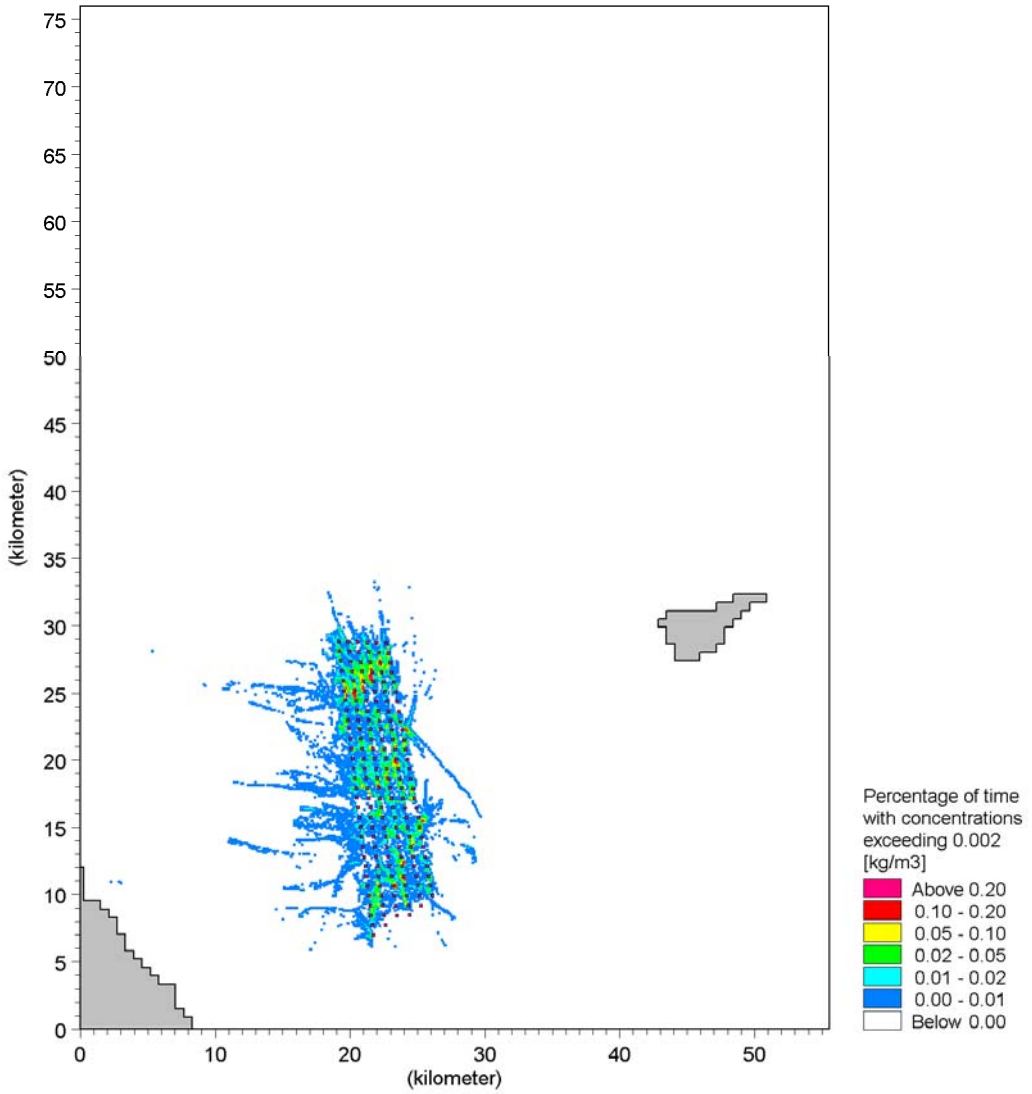


Figure 3-20 Percentage of time during the dredging operation (334 days) where the concentration of suspended matter exceeds 2 mg/l for layout 1.

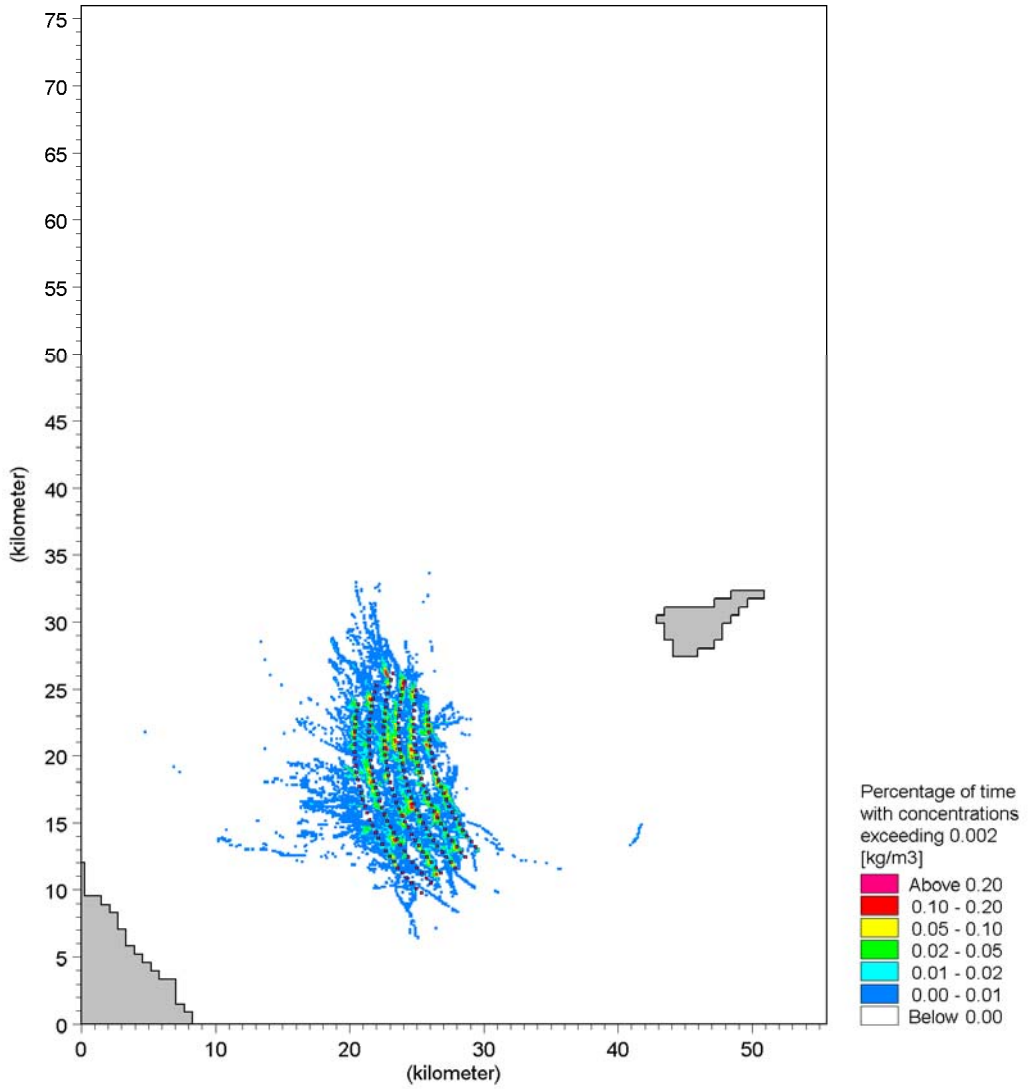


Figure 3-21 Percentage of time during the dredging operation (334 days) where the concentration of suspended matter exceeds 2 mg/l for layout 2.

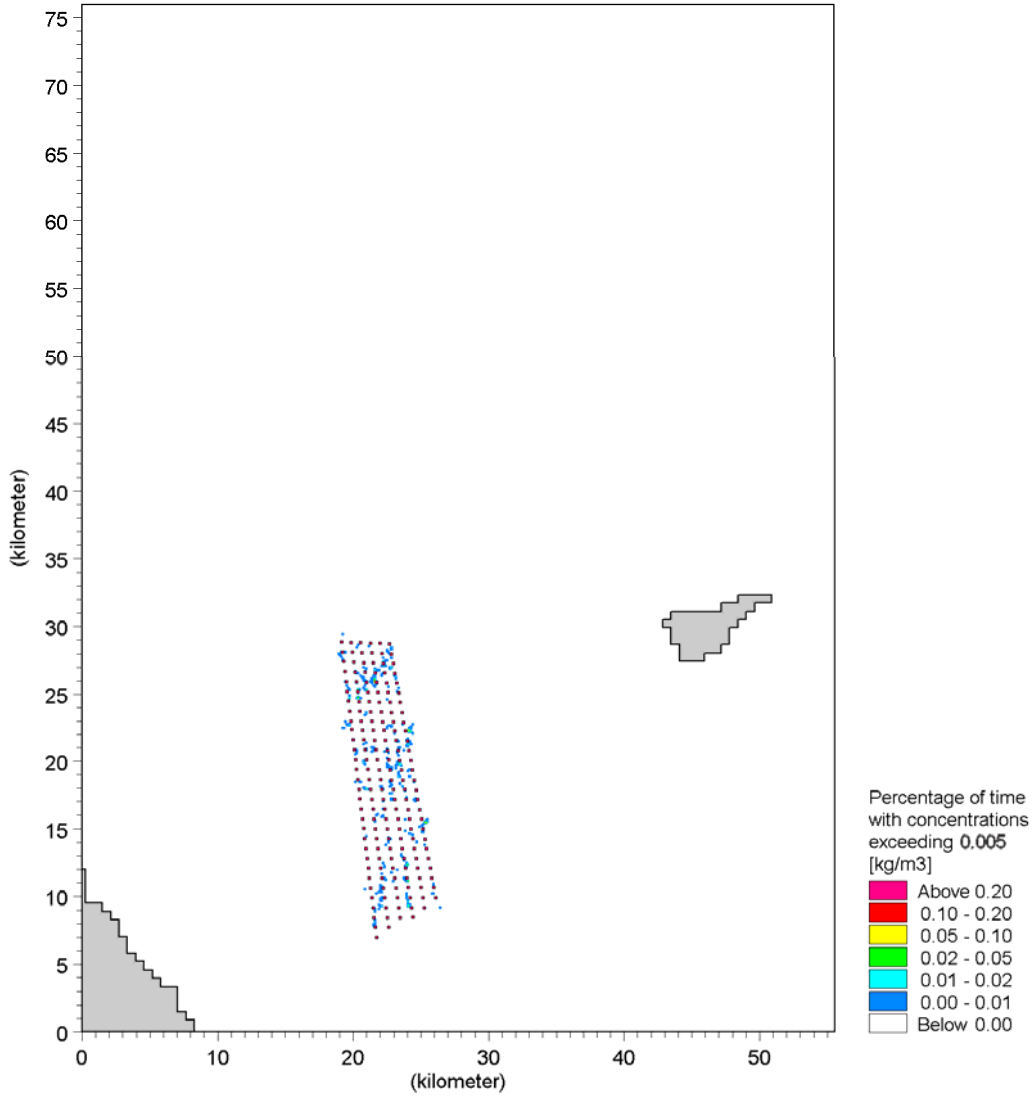


Figure 3-22 Percentage of time during the dredging operation (334 days) where the concentration of suspended matter exceeds 5 mg/l for layout 1.

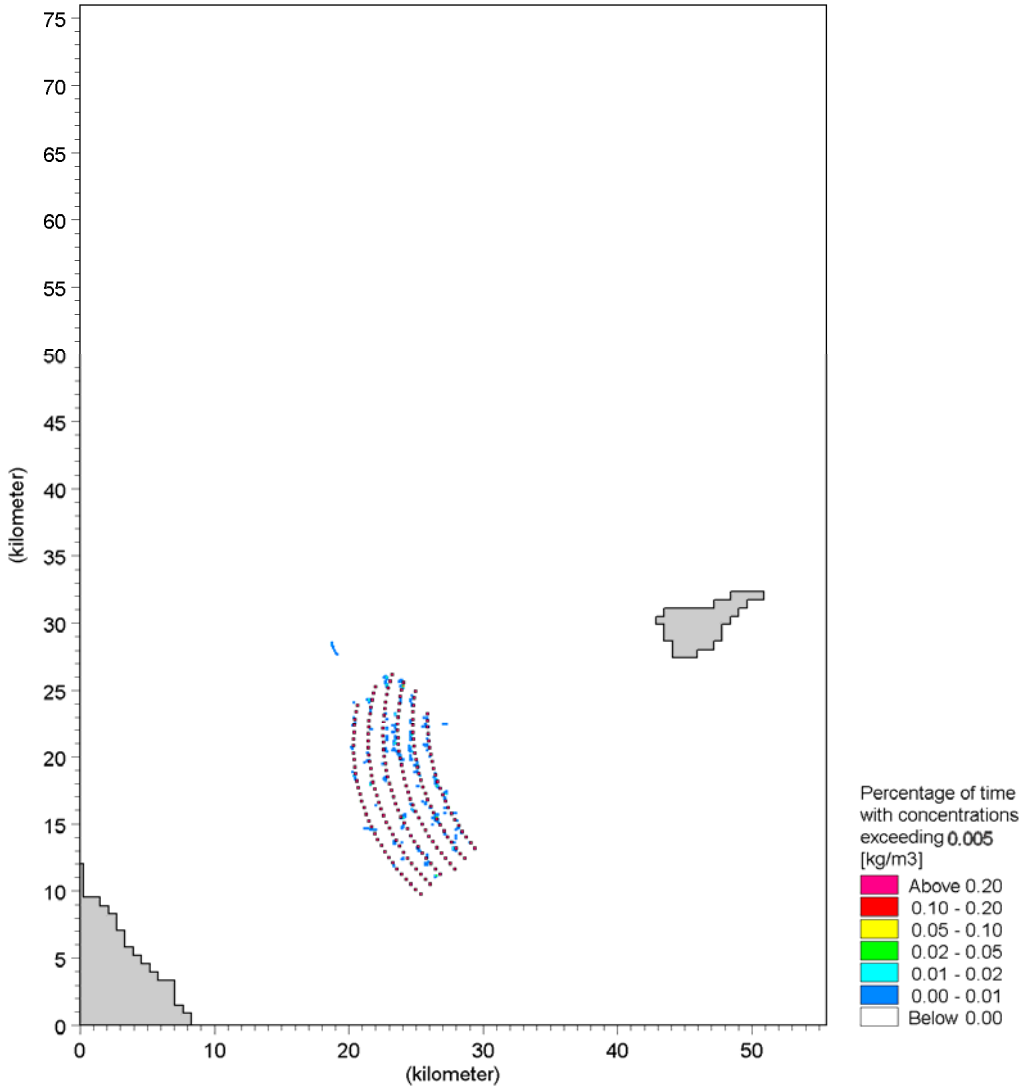


Figure 3-23 Percentage of time during the dredging operation (334 days) where the concentration of suspended matter exceeds 5 mg/l for layout 2.

3.3.2.4 **Impact on the benthic fauna**

The response of the benthic fauna to increased concentrations of suspended matter depends on the concentrations and the duration of the exposure for elevated concentrations. Benthic species are either not sensitive, has a very low or a low sensitivity to prolonged exposures for even very high concentrations of suspended matter (100 mg/l for one month), cf. Table 3-7.

The maximum concentrations of suspended matter due to sediment spill are an order of magnitude lower, cf. Figure 3-18 and Figure 3-19, and the exposure time is tran-

sient and very short term. Even exposures for visible plumes (2 mg/l) and higher concentrations (5 mg/l) are limited in space and time, cf. Figure 3-20 to Figure 3-23.

There will be no impact on the benthic fauna due to suspended matter from the sediment spill.

3.3.2.5 Impacts of increased sedimentation

3.3.2.5.1 Sedimentation

The sedimentation of the spilled sediment after the end of the dredging and jetting work for the worst case scenario (174 turbines and gravity foundations) is shown in Figure 3-24 for layout 1 and Figure 3-25 for layout 2.

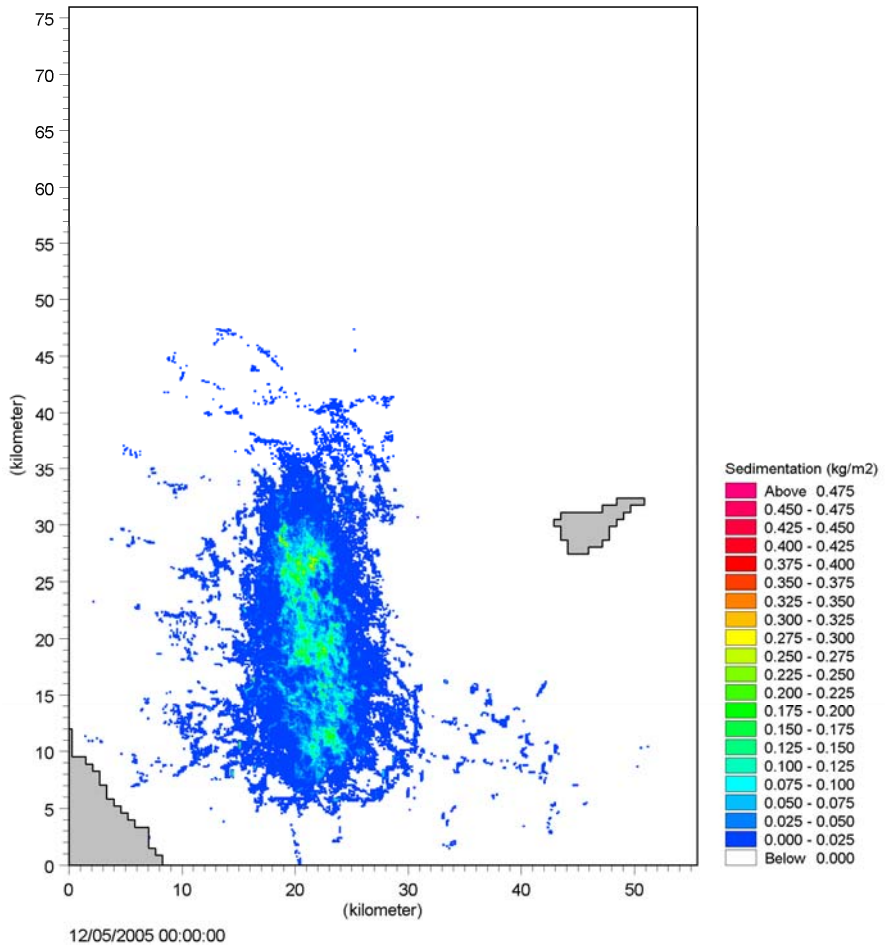


Figure 3-24 Deposition pattern of spilled sediment after dredging operation for layout 1.

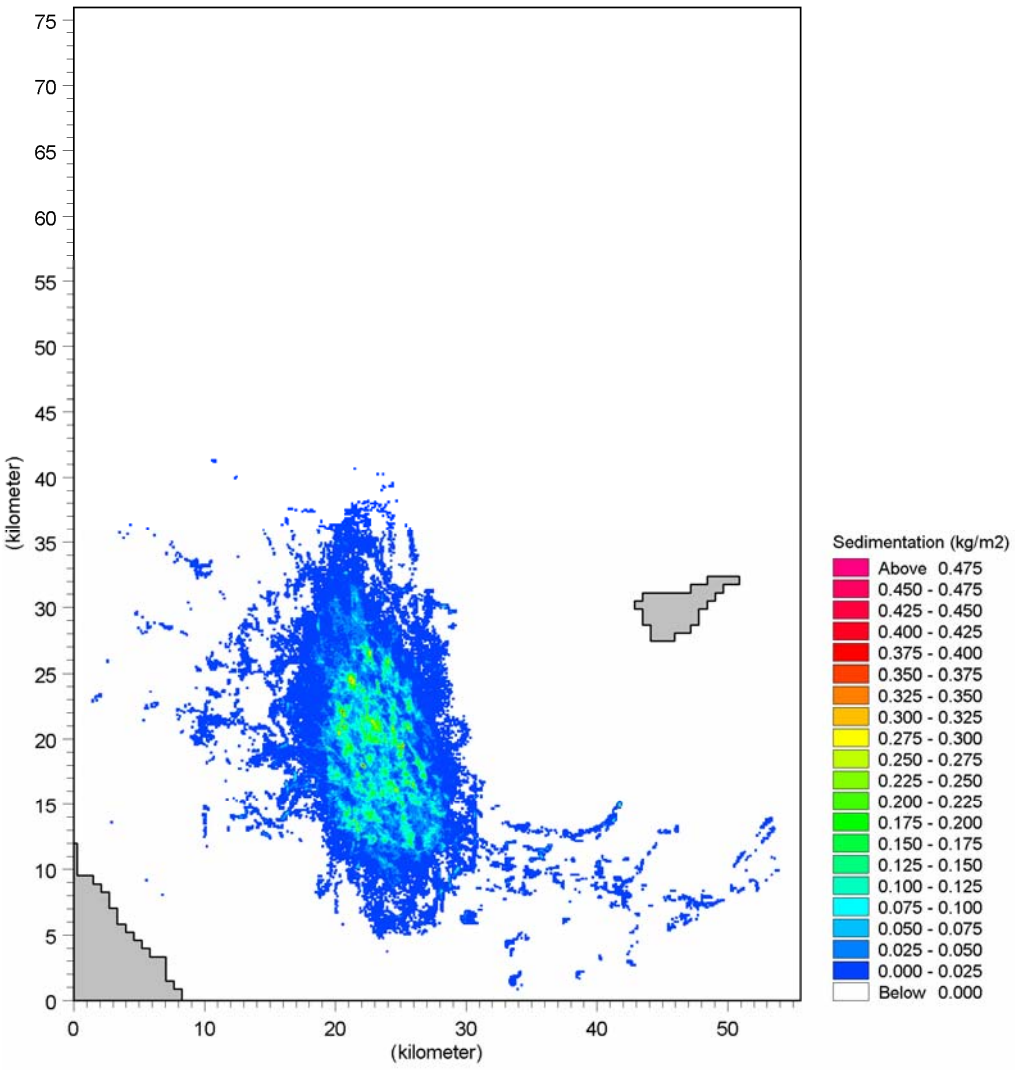


Figure 3-25 Deposition pattern of spilled sediment after dredging operation for layout 2.

According to the simulations, the spilled sediment will settle both inside and outside the project area at the end of the working period after about 1 year. However, the deposition of sediment is very low. The maximum sedimentation areas are seen close to the spill locations in the wind farm. The largest values for deposition of the sediment spill are up to 250g/m^2, but are mostly below 100g/m^2 inside the wind farm. It means that the maximum sedimentation is roughly less than 0.25mm and mostly less than 0.1mm inside the wind farm. Outside the wind farm the sedimentation is mostly below 25g/m^2 equel to approximately 0.025mm except for small patchy areas with a little higher sedimentation.

3.3.2.5.2 **Impact on the benthic fauna**

The sensitivity of benthic species to be covered by 5cm sediment for one month is mostly low to moderate but high for a species like the Horse mussel (*Modiolus modiolus*) living on the sediment surface, cf. Table 3-7. The sensitivity of Horse mussel to acute burial beneath 5cm of sediment has been confirmed by in situ studies with experimental coverage /11/.

However, the simulated sedimentation due to the sediment spill in the wind farm is a factor 200 below the threshold used in Table 3-7.

Impacts on the benthic fauna in larger areas due to sedimentation of the spill are therefore not expected. However, a decrease in abundance and biomass of the most sensitive species (e.g. Horse mussel) may occur in patches close to the dredging sites, where the immediate deposition of the clay fraction of the spill is larger than at the end of the working period, where re-suspension may have levelled out local accumulations of fine sediment. In addition to the spill of the clay fraction, which is simulated, there will also be a spill of the sand fraction (>0.063 mm) during dredging. Due to the settling rate of sand this fraction of the spill will settle less than 200-300m from the dredging sites /3/.

The immediate settling of sand and some of the fine fraction of the spill will be largest at the dredging sites, where the benthic fauna is already removed and destroyed. However, an accretion of especially sand, which reduces the abundance and biomass of species sensitive to acute burial (e.g. Horse mussel) is expected in local patched close to the dredging sites. However, the overall impact on the populations of the affected species in the wind farm will be minor.

3.3.2.6 **Summary of impacts during the construction phase**

The expected impacts on the benthic fauna due to habitat loss, sediment disturbance, suspended matter and sedimentation of the spill is summarised in Table 3-12.

Table 3-12 Summary of impacts on the benthic fauna in the construction phase.

Impact	Intensity of effect	Scale / geographical extent of effect	Duration of effect	Overall significance of impact
Habitat loss	Large	Local	Long-term and medium term	Minor to Moderate impact
Sediment disturbance	Minor	Local	Short term to medium term	Minor impact
Suspended matter	No	Local	Short-term	No impact
Sedimentation	Minor	Local	Medium-term	Minor impact

The benthic fauna will be destroyed due to dredging at the foundations sites. The affected areas will be less than 0.5% of the area of the wind farm. The habitat loss will be permanent where the foundations and possible scour protection around the foundations occupy the seabed and long-term due to a slow and incomplete recov-

ery, where foundations and scour protection are surrounded by a zone of gravel (sites where 4-8 m soft clay is removed and the large holes filled with gravel).

Short term disturbance of the sediment in a narrow zone along the cable trenches due to jetting will reduce the abundance and biomass due to burial of heavy species sensitive to burial (e.g. Horse mussel and Icelandic cyprine) combined with an increased mortality of species, which are lifted to the sediment surface and exposed for predation by fish feeding on the seabed.

The sediment spill and the concentrations of suspended matter will not affect the benthic fauna. Sedimentation of the spill will not affect the benthic fauna except in local patches close to the dredging sites, where the benthic fauna is expected to be reduced due to excessive settling of especially sand. However, the overall impact of the populations in the wind farm will be minor.

3.3.3 Impacts during the operation phase

The main potential impacts on the benthic fauna in the operation phase of the wind farm are related to:

- Changes in composition of the sediment around individual foundations and/or in the wind farm due to wave and current induced changes in the erosion and deposition pattern and vertical mixing
- Introduction of solid substrates and development of hard bottom communities ("reef effect") and effect of the (fouling) community on the surrounding water quality
- Electromagnetic fields and increased temperature of the sediment along the cables between the turbines

The potential impacts on the benthic fauna in the operation phase are summarized in Table 3-13.

Table 3-13 Sources of impact and potential impacts on benthic fauna in the operation phase

Project activity	Sources of potential impact	Potential environmental impact
Presence of physical structures (foundations and turbines)	Current and wave induced changes in stratification, seabed level and sediment composition	Changes in composition and structure (species, abundance and biomass) of the benthic community
Introduction of solid substrates (foundations and scour protection stones)	Development of hard bottom (fouling) community of invertebrates ("reef effect")	Changes in water quality due to development of filter feeders (common mussels) and local changes in species composition, abundance and biomass of selected species due to structural complexity, attraction of fish and affect on the surrounding soft bottom community
Cables between the foundations (turbines)	Electromagnetic fields and increased temperature of the sediment above the cables	Reduced recruitment and growth and changes in species composition, abundance and biomass along the cable trenches

3.3.3.1 Changes in stratification and seabed morphology

The physical presence of the foundations affects directly the current and wave climate around the individual foundations and the whole wind farm. This may in general directly and indirectly affect the stratification of the water column and the seabed level and composition with implications for the benthic fauna.

The influence of the presence of the physical structures below (foundations) and above (turbines) the water level for currents, stratification, waves, seabed morphology and risk of scour is analysed in /3/.

The water column is stratified in the project area most of the time. The stratification will be weakened slightly downstream the individual turbines. At high flow speeds occurring only 2-5% of the time, differences in salinity up to 1 PSU has been calculated /3/. However, this impact is minor compared to natural variations in salinity and of no importance for the benthic fauna.

The wave dampening due to the blocking of the foundations and the reduced wind speed behind the turbines are minor. The benthic fauna is not sensitive to minor changes in currents and wave exposures, cf. Table 3-7.

The impact of the wind farm on the wave- and current conditions will modify the sediment transport in the area and affect the seabed morphology. The annual sediment transport is only up to a few cubic metres per year over a width of one metre of the seabed. The changes in the waves and the current are so small and happen gradually over so large areas that no regional changes in the annual sediment transport and the seabed level is foreseen in the project area as result of the wind farm /3/.

However, the changes in currents and waves will change the seabed morphology around the individual foundations /3/. A vertical cylindrical structure (foundation) will modify the flow and the sediment transport, which can lead to the formation of a scour hole around it. The depth of the hole can be expected to have a depth up to approximately one diameter of the structure and typically extend 2-4 times the diameter of the structure (foundation) away from the structure /3/.

The current and wave induced changes will affect the seabed habitat and the benthic fauna very close to the foundations if scour protection is not used. However, scour protection is recommended and used at the offshore wind farms Horns Rev (monopiles) and Nysted Offshore Wind Farm and Rødsand II (gravity foundations).

Use of scour protection will counteract changes in seabed morphology and sediment composition and local impacts on the benthic fauna is expected to be negligible.

3.3.3.2 Introduction of solid substrate

3.3.3.2.1 Area of solid substrates available for colonization

The surface area of the foundations is estimated on the basis of small foundations in Figure 3-7, lower left. It is assumed that the area of scour protection is 1000m^2 and that the height of the stone layer is 1m.

The area of the different structural component of concrete and stones is estimated for a water depth of 17m (Table 3-14).

Table 3-14 Estimated area of solid substrate of concrete and stones available for development of hard bottom (fouling community) at one small foundation (2.3 MW) and an assumed layer of scour protection stones around the foundations. Water depth: 17m.

Foundation of concrete		Stones	Total area
Vertical part	1m basement of the foundation	Scour protection	
544m^2	376m^2	1000m^2	1920m^2
28.3%	19.6%	52.1%	100%

On the basis of the above assumptions the area of the seabed permanently occupied by each foundation inclusive scour protection is 1530m^2. It means that the area of solid substrate is 25% higher than the seabed habitat and the associated soft bottom fauna destroyed.

The solid substrate available for colonisation consists of vertical (28%) and horizontal (19%) surfaces of concrete and stones (52%). The size of the stones is not decided but the actual surface area of the stone layer is larger than the area of the seabed covered by stones. The median diameter of the stones used for scour protection at Nysted Offshore Wind Farm was 27cm /9/.

3.3.3.2.2 **Colonization of the solid substrates**

It is not possible in detail to predict the colonization and development of invertebrates and macro algae, which will vary among the structural components due to differences in nature and orientation of the substrate such as smooth vertical and horizontal surfaces of concrete and a horizontal stone layer with irregular surface, crevices and holes. Along the vertical part of the foundations there will be a gradient in salinity especially in the uppermost 10-12m above the discontinuity layer (halocline). The stratification and the halocline are most pronounced during the summer. The salinity is higher and more stable below the halocline, which is important for many species.

The depth is between 15-20m in most of the project area and it means that the horizontal part of the foundations and the scour protection stones is below the halocline. Besides the stratification in salinity there are also vertical gradients in light of importance for production of phytoplankton (food source for filter feeding invertebrates e.g. bivalves), growth and depth distribution of macroalgae. Oxygen deficiency may develop below the halocline and affect the benthic fauna. In addition to the physical factors and water quality the succession and development of the biotic communities on the substrates will be affected by biological interactions such as space competition between invertebrates and macroalgae and predation. The common starfish (*Asterias rubens*) is a most potent predator on especially common mussels and macroalgae may be grazed by species of sea urchins.

Common mussel (*Mytilus edulis*) will be a dominant species colonizing the vertical part of the foundations above the halocline. The species was a superior competitor for space and almost developed a monoculture on the vertical parts of the foundations in Nysted Offshore Wind Farm. Barnacles (*Balanus improvisus*) was the only

other sedentary species of importance (both beneath the mussel layer and later settled on the mussels), whereas mobile species of crustaceans (*Gammarus* sp.) was very abundant. During the first 2.5 years common mussels reached a biomass between 5-10 kg wet weight m^{-2} /9, 12, 13/. However, the predominance of common mussels at Nysted Offshore Wind Farm is characteristic for artificial substrates in low saline shallow areas in Øresund and the Baltic Sea, where starfish is lacking /14, 15, 16, 17, 18/.

Common mussels were also dominant on monopiles at Horns Rev 1 but the development of the populations was strongly affected by starfish /19/.

The development of common mussels will be effected by starfish in the wind farm but due to the higher salinity the mussels will grow much faster than in the low saline areas. The abundance and biomass of common mussel and starfish 4 month after a monitoring mast was deployed south of Læsø, may give an indication of the expected early stages in colonisation of the uppermost parts of the foundations (Figure 3-26).

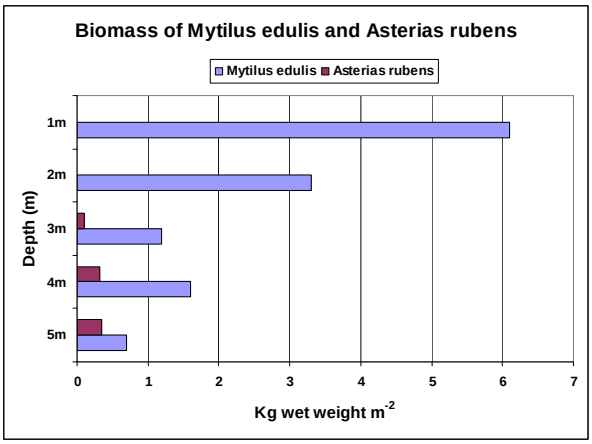


Figure 3-26 Biomass of common mussel (*Mytilus edulis*) and common starfish (*Asterias rubens*) 1-5 m below the surface four months after the monitoring mast was deployed south of Læsø /20/.

The water depth was 7m and the cover of mussels was 100% from top to bottom. However, the abundance and biomass was reduced by a factor 10 in the uppermost 5m surveyed. The maximum length the mussels was 20mm and the biomass was 6 kg near the surface. The starfish were young and the density increased from 0 (1m) to more than 3000m^{-2} in 5m depth, where the tips of the arms of the starfish touched each other. The vertical decline of the mussels was most likely affected by predation.

However, whether the predation of starfish is able to control the predominance of common mussels on the foundations above the halocline is uncertain. Surveys of

bridge pillars in the Storebelt in 2007 showed that common mussels were scarce in the uppermost 2m but the cover of mussels was 100% between 3-14m. The maximum length of the mussels was 9-10cm and the biomass 20-35 kg wet weight m^{-2} /21/. The stratification in Storebelt resembles the stratification in the project area. The results from Storebelt suggest that common mussels due to rapid growth and efficient recruitment and recovery also will be able to monopolise artificial substrates above the halocline in spite of predation in the project area.

A dense layer of common mussels increase the heterogeneity of the foundations and provide secondary solid substrate for sedentary and tube building species of crustaceans (e.g. barnacles) and polychaetes. The crevices between the mussels provide shelter and food for mobile species of crustaceans (e.g. *Gammarus* spp.) and polychaetes due to accumulation of organic matter between the mussels.

A dense mussel layer may affect the water quality around the foundations (e.g. the concentration of phytoplankton) due to the large filtering capacity and potentially affect the surrounding seabed due to organic enrichment.

The influence of the wind farm including mussels, similar to the populations developed at the bridge piers in the Storebelt, on selected variables indicative of the water quality has been simulated /3/. The impacts on primary production, net sedimentation of C (carbon), mineralisation of C and accumulated concentrations of DO (dissolved oxygen) <4mg/l and <2mg/l, respectively was very modest and in all cases below 1% in the most affected grid cell around individual foundations and much below 0.1% compared to baseline situation if averaged over the entire project area /3/.

Common mussel was only recorded at 1 station in the project area in April 2009 and the species will probably be scarce or absent below the halocline due to predation and competition for space. However, the density and richness of communities of macroalgae decline in general below 15 m in Kattegat /22/. The colonisation of macroalgae on especially the scour protection stones will probably mostly be confined to communities in single layers and include species recorded in the project area on substrates types with stones, namely the red algae (*Polysiphonia fibrillosa*, *Coccotylus truncatus*, *Phycodrys rubens*, *Delesseria sanguinea*, *Dilsea carnosa* and *Palmaria palmata*) and brown algae (*Desmarestia viridis*) /1/. Foliose species of red algae will become scattered and encrusting species more common on stones in the deepest water.

The expected development of macroalgae will enhance the structural diversity and provide substrate, food and shelter for both invertebrates and fish species (e.g. gobies and Goldsinny wrasse (*Ctenolabrus rupestris*), which is the most common fish at Danish stone reef /22/ and also common among scour protection stones at Nysted Offshore Wind Farm /9, 12, 13/).

In addition to species of crustaceans favoured by the presence of macroalgae sedentary filter feeding species recorded on stony areas in the project area /1/ like the leather coral (*Alcyonium digitatum*), sea squirt (*Ascidiella aspersa*), sponges, poly-

chaetes (*Pomatocerus triqueter*) and sea anemones (*Metridium senile*, *Tealia* sp.) will probably settle on the scour protection stones. Mobile species like sea stars (*Asterias rubens*, *Crossaster paposus*, *Marthasterias glacialis*), sea urchins (*Echinus esculentus*, *Strongylocentrotus droebachiensis*) will most likely explore the food opportunities or hide in crevices and holes in the stone layer like the edible crab (*Cancer pagurus*). The scour protection stones have been a benefit for the edible crab at Horns Rev I, where the species has become more numerous /19/.

The overall assumption is that the community of sessile and mobile species of invertebrates will be diverse especially on the scour protection stones because the surrounding area is rich in species and the space competition is relaxed due to the scarcity/absence of common mussels and a decline in the density of macroalgae in subhalocline depths.

3.3.3.2.3 Electromagnetic fields and increased temperature

Magnetic fields around composite and shielded power cables are low and dissipate within few metres to values far below the Earth magnetic field. The present knowledge of possible responses of invertebrates to electromagnetic field is too limited to make proper assessments /19/.

Any impact of electromagnetic field may interact with the dissipation of heat from the cables and raised temperature in the sediment. Measurements in Nysted Offshore Wind Farm showed that the seabed temperature was generally higher close to the offshore 132 kV cable than close to the 36 kV cable between the turbines. The maximum difference in temperature between the 132 kV cable and unaffected reference seabed was 2.5ºC measured about 0.5m above the cable and 0.5m below the surface of the seabed. The excess temperature above the cable decreased rapidly and was less than 1ºC and 0.1ºC respectively 0.3m and 0.1m below the sediment surface /23/.

The heating of the sediment above the cables between the turbines in the project area will be less than measured above the offshore 132 kV cable connecting the transformer stations and the coast.

The benthic fauna are adapted to large seasonal variations in temperature and are in general not sensitive or have a low sensitivity to prolonged increase in temperature up to 2ºC, cf. Table 3-7.

The magnitude of possible impacts due to combined effects of magnetic field and temperature is expected to be insignificant and the spatial scale of the area occupied by the cable trench is less than 0.5% of the area of wind farm, cf. Table 3-11.

3.3.3.3 Summary of impacts during the operation phase

The expected impacts on the benthic fauna due sediment changes, introduction of solid substrate, electromagnetic fields and increased temperature is summarised in Table 3-15.

Table 3-15 Summary of impacts on the benthic fauna in the construction phase.

Impact	Intensity of effect	Scale/geographical extent of effect	Duration of effect	Overall significance of impact
Sediment change	Minor	Local	Long-term	No impact
Solid substrate	Minor	Local	Long-term	Minor impact
Electromagnetic field and increased temperature	No	Local	Long-term	No impact

3.4 Mitigation measures

The overall impacts on the benthic fauna in a worst case scenario (174 turbines, gravity foundations) are limited both in space and time and mitigations measures in the construction or the operation phases are not needed.

3.5 Cumulative effects

The impacts on the benthic fauna are local and minor and there will be no cumulative effects.

3.6 Decommissioning

The objectives of the decommissioning process are to minimize both the short and long term effects on the environment whilst making the sea safe for others to navigate. These obligations are stipulated in the United Nations Convention of the Law of the Sea (UNCLOS).

There are no specific international regulations or guidelines on the decommissioning of offshore installations. Decommissioning will have to consider individual circumstances, such as comparative decommissioning options, removal or partial removal in a way that causes no significant adverse effects on the environment, the likely deterioration of the material involved, possibilities for re-use or recycling as well as its present and future effect on the marine environment.

Based on current available technology, today's practice for decommissioning would imply to remove the wind turbines completely and to remove all other structures and substructures to the natural seabed level. Infield and export cables would be removed, left safely in-situ, buried to below the natural seabed level or protected by rock placement depending on the hydrodynamic conditions. Scour protection would be left in-situ.

The wind turbines, structures and cables would be dismantled using similar craft and methods as deployed during the construction phase. However the operations would be carried out in reverse order. The recovered materials would be transported to shore for later material reuse, recycle or disposal.

The decommissioning programme will be developed during the operations phase, as regulatory controls and industry practices most likely will have changed in 25 years' time, when the wind farm will be decommissioned. Regardless of decommissioning

method, decommissioning will comply with all applicable legal requirements regarding decommissioning at that time.

3.6.1 Rehabilitation of seabed habitat

There is no experience with decommission of a large scale offshore wind farms. However, if the aim of decommissioning is a strict rehabilitation of the formerly seabed habitat it will include:

- Removal of the foundations and the surrounding scour protection stones
- Removal of the cables between the turbines
- Removal of gravel and backfilling with sand at the foundation sites

3.6.1.1 Removal of foundations and stones

The dense fouling community dominated by common mussels and associated species on the vertical parts above the halocline and the diverse community of invertebrates and macroalgae on the stones will disappear. However, the impacts on the water quality and surrounding communities of invertebrates and fish are expected to be local and of minor importance.

The fouling layer may be removed deliberately or un-deliberately during the removal process and discarded locally but most animals will probably be destroyed due to burial and backfilling at the foundation sites.

3.6.1.2 Removal of cables

The impacts depend on the technique used to remove the cables. If cables are pulled out of the trenches the sediment disturbance and impact on the benthic fauna will be negligible. However if jetting and/or dredging and backfilling of the trenches is needed to remove the cables between the turbines the impacts on the benthic communities due to temporary habitat loss and sediment disturbance in the decommission phase will be similar to the impacts expected in the construction phase, cf. Table 3-12.

3.6.1.3 Removal of gravel and backfilling with sand

If a proper rehabilitation of the former seabed is requested it will probably involve removal of the top of the gravel layer and backfilling with sand of similar quality as the surrounding seabed. The sediment spill will be limited both during removal and backfilling because most of the silt/clay of the sand used for backfilling has been spilled during the extraction of the sand from an external sand extraction site. However, the sand used for backfilling has been loosened during uptake and the backfilling will probably be followed by a period of erosion, spreading and settling of fine sand in the surroundings until the sediment surface is consolidated.

Recovery of the benthic abundance at the renewed soft bottom habitat at the foundation sites will probably take 3-5 years, whereas recovery of benthic biomass dominated by large bivalves will take much longer. Impact on the benthic fauna around the backfilling sites due to spreading of fine sand is expected to be insignificant.

3.7 Technical deficiencies or lack of knowledge

A the present stage of the project details about design of foundations and the expected scour protection stones around the foundations are not available. However, the conclusions concerning possible impacts on the benthic fauna based on the worst case scenario defined in /3/ are assessed to be robust and adequate for further development of the project.

There are no experiences with decommissioning of large scale offshore wind farms and the possible demands to rehabilitation of the seabed in the future. However, the magnitude of the impacts will be comparable to the impacts in the construction phase and therefore the available experience is assumed to be adequate, cf. Table 4-1.

3.8 Conclusions concerning Anholt Offshore Wind Farm

The overall conclusions concerning the expected impacts on the benthic fauna during the construction, operation and decommissioning phases of Anholt Offshore Wind Farm are summarised in Table 3-16. The principles for rating the quality of available data are given in Table 3-17.

Table 3-16 Summary of expected impacts on the benthic fauna during construction, operation and decommissioning of Anholt Offshore Wind Farm.

Impacts on the benthic fauna in the wind farm	Overall significance of impact	Quality of available data
Impacts during construction		
Habitat loss	Minor to moderate impact impact	3
Sediment disturbance along cables trenches	Minor impact	3
Increased concentrations of suspended matter	No impact	3
Increased sedimentation	Minor impact	3
Impacts during operation		
Sediment change	No impact	3
Solid substrates (foundations and scour)	Minor impact	3
Electromagnetic fields and increased temperature	No impact	3
Impacts during decommissioning		
Removal of foundations	Minor impacts	(3)
Removal of cables	No to minor impact	(3)
Rehabilitation of seabed	Minor impact	(3)

Table 3-17 Principles for rating the quality of available data.

Quality of available data

In order to evaluate the quality and significance of data and documentation for the impact assessment a significance rating of data and documentation should be evaluated within the specific technical subject topics using the following categories:

- 1 – Limited (scattered data, some knowledge)
- 2 – Sufficient (scattered data, field studies, documented)
- 3 – Good (time series, field studies, well documented)

For the EIA-document an impact arising from a planned activity will, depending on its magnitude and the environmental sensitivity, be given a significance rating as follows:

: No impact	*No impact*: There will be no impact on structure or function in the affected area;
: Minor impact	*Minor impact*: The structure or functions in the area will be partially affected, but there will be no impacts outside the affected area;
: Moderate Impact	*Moderate Impact*: The structure or function in the area will change, but there will be no significant impacts outside the affected area;
: Significant impact	*Significant impact*: The structure or function in the area will change, and the impact will have effects outside the area as well;

4. Transformer platform and offshore cable

4.1 Project description

An offshore transformer platform will be established to bundle the electricity produced at the wind farm and to convert the voltage from 33 kilovolts to a transmission voltage of 220 kilovolts, so that the electric power generated at the wind farm can be supplied to the Danish national grid.

4.1.1 Transformer platform

Energinet.dk will build and own the transformer platform and the high voltage cable which runs from the transformer platform to the shore and further on to the existing substation Trige, where it is connected to the existing transmission network via 220/440 kV transformer.

The transformer platform will be placed on a location with a sea depth of 12-14 metres. The length of the export cable from the transformer station to the shore of Djursland will be approximately 25 km. On the platform the equipment is placed inside a building. In the building there will be a cable deck, two decks for technical equipment and facilities for emergency residence.

The platform will have a design basis of up to 60 by 60 metres. The top of the platform will be up to 25 metres above sea level. The foundation for the platform will be a floating caisson, concrete gravitation base or a steel jacket.

4.1.2 Subsea cabling

The wind turbines will be connected by 33 kV submarine cables, so-called inter-array cables. The inter-array cables will connect the wind turbines in groups to the transformer platform. There will be up to 20 cable connections from the platform to the wind turbines. From the transformer platform a 220 kV export cable is laid to the shore at Saltbæk north of Grenå. The cables will be PEX insulated or similar with armouring.

The installation of the cables will be carried out by a specialist cable lay vessel that will manoeuvre either by use of a four or eight point moving system or an either fully or assisted DP (Dynamically Positioned) operation.

All the subsea cables will be buried in order to provide protection from fishing activity, dragging of anchors etc. A burial depth of minimum one meter is expected. The final depth of burial will be determined at a later date and will vary depending on more detailed soil condition surveys and the equipment selected.

The cables will be buried either using an underwater cable plough that executes a simultaneous lay and burial technique that mobilises very little sediment; or a Remotely Operated Vehicle (ROV) that utilises high-pressure water jets to fluidise a

narrow trench into which the cable is located. The jetted sediments will settle back into the trench.

4.1.3 Onshore components

At sea the submarine cable is laid from a vessel with a large turn table. Close to the coast, where the depth is inadequate for the vessel, floaters are mounted onto the cable and the cable end is pulled onto the shore. The submarine cable is connected to the land cable close to the coast line via a cable joint. Afterwards the cables and the cable joint are buried into the soil and the surface is re-established.

On shore the land cable connection runs from the coast to compensation substation 2-3 km from the coast and further on to the substation Trige near Århus. At the substation Trige a new 220/400 kV transformer, compensation coils and associated switchgear will be installed. The onshore works are not part of the scope of the Environmental Statement for the Anholt Offshore Wind Farm. The onshore works will be assessed in a separate study and are therefore not further discussed in this document.

4.2 Baseline study

4.2.1 Method

Two possible alignments for the offshore cable between the substation in the western part of the project area and Djursland, either a northern connection via Gjerrild Bugt or a southern connection to Grenå, have been considered (Figure 11-1). The southern connection to Grenå has been selected and the length of this alignment is 22 km.

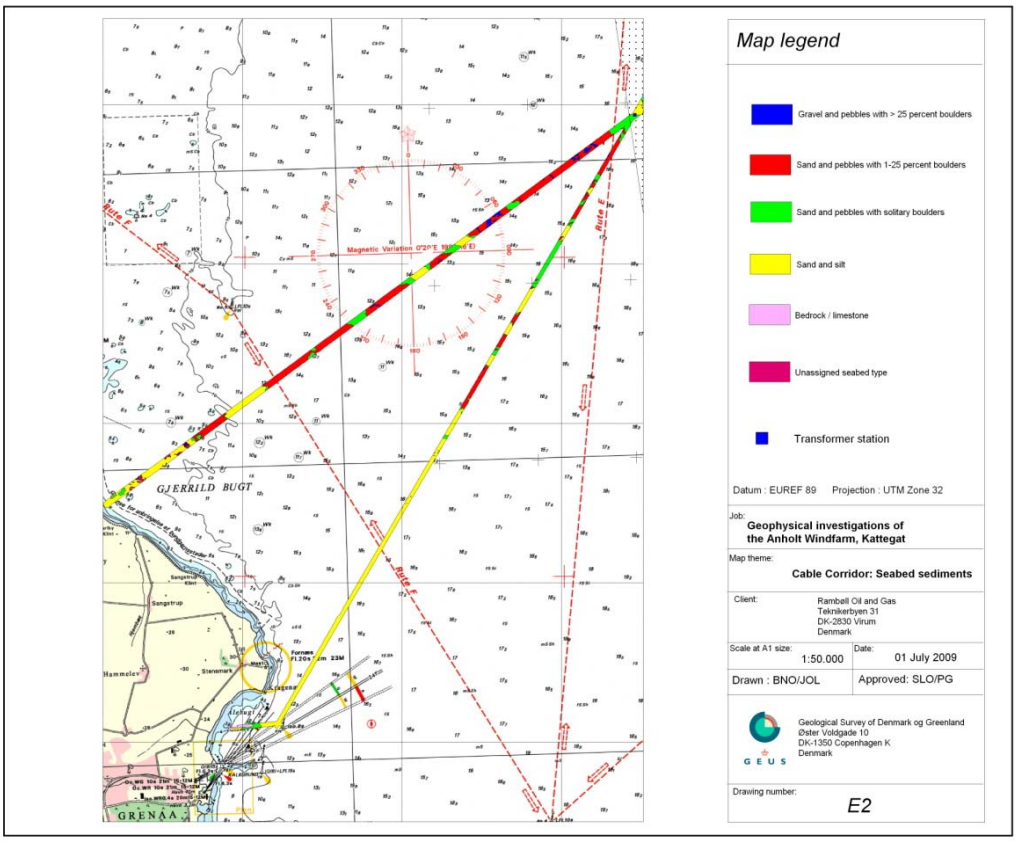


Figure 4-1 Seabed map along the two cable traces (GEUS). Gravel/pebbles (blue), sand and pebbles with boulders with 1-25% boulders (red), mainly sand and pebbles with solitary boulders (green), sand and silt (yellow) /3/.

In the selected cable trace (the southernmost), the sea bed nearest the shore is characterized by sand/silt until about halfway to the offshore substation and rather mixed with coarser material (sand with pebbles and stones) to be found along the remaining section /3/.

No quantitative samples of the soft bottom fauna have been collected along the planned offshore cable. However, analysis of the seabed and registration of benthic community types has been done by a combination of geophysical surveys supplemented with spot diving and use of ROV for verification like in the project area /1/.

The invertebrates and macroalgae observed at the four substrate types defined is summarised in Table 4-1.

Table 4-1 Seabed characteristics of the four substrate types defined and invertebrates and macroalgae observed. Based on /1/. +: present, ++: dominant.

Substrate type / species observed	**Type 1**	**Type 2**	**Type 3**	**Type 4**
Seabed characteristics	Sand	Sand, gravel and pebble	Sand, gravel, pebble and 1-25% stones	Sand, gravel, pebble and 25-100% stones
Invertebrates observed				
Modiolus modiolus	++	++	++	++
Arctica islandica	++	++		
Marthasteria glacialis	+	+	+	+
Asteria rubens	+	+	+	+
Tealia sp.		+	+	+
Echinus esculentus		+	++	++
Strongylocentrotus Droebachiensis		+	++	++
Aporrhais pes-pelicani		+	+	
Buccinum undatum		+		+
Ascidiella aspersa		+	+	
Crossaster paposus		+	+	
Metridium senile		+		
Alcyonium digitatum		+	++	++
Psolus phantapus			++	
Ophiuroidea			+	
Pomatoceros triqueter			+	+
Echinocardium cordatum			+	
Cancer pagurus			+	
Porifera sp. (Sponges)			+	+
Eupagus bernhardus				+
Cirripedia (Barnacles)				+
Macroalgae observed				
Polysiphonia fibrillosa		+	+	+
Coccotylus truncatus		+	+	++
Phycodrys rubens		+	+	++
Delesseria sanguinea			+	++
Desmarestia viridis			+	
Palmaria palmate			+	
Laminaria digitata				++
Laminaria saccharina				++
Halidrys siliquosa				++
Dilsea carnosa				+
Ahnfeltia plicata				+
Ceramium rubrum				+
Cystoclonium purpureum				+

4.3 Environmental impacts

4.3.1 Scenario

Assessment of the expected impacts on the benthic fauna is confined to construction (jetting) and operation of the 22 km long offshore cable between the substation and Djursland (Grenå).

Details about the foundation and the expected score protection around the foundation of the substation is not available. However, possible impacts on the benthic fauna around a single foundation will be strictly local and minor and regarded to be covered by the worst case scenario (174 foundations, gravity foundations) assessed for the wind farm.

4.3.2 Sensitivity of the benthic fauna

Disturbance of the seabed habitat due to jetting and elevated concentrations of suspended matter and increased sedimentation due to the associated sediment spill may affect the benthic fauna.

The effect on the benthic fauna is species and life stage specific and depends on the magnitude and duration of the environmental changes, the tolerance of the species to the changes and the ability of the species to recover due to recruitment and/or immigration during and after the perturbations.

The sensitivity of a number of benthic species recorded in the project area in summarized in Table 4-2. Some of the species in Table 4-2 has been observed along the planned cable alignments, cf. Table 4-1. Others species in Table 4-2 will certainly be present at least in the southern half of cable trace, where the seabed consist of soft sediment, cf. Figure 4-1.

Table 4-2 Sensitivity of benthic invertebrates recorded in the project area to changes in physical environmental factors relevant in the construction and operation phase of an offshore wind farm. Based on MarLIN /7/. NS: Not sensitive, ?: Insufficient information

Species	Construction phase				Operation phase		
	Physical factor and benchmark				Physical factor and benchmark		
	Substratum (habitat) loss	Smothering (burial)	Increase in suspended sediment	Noise	Increase in wave exposure	Increase in water flow rate	Increase in temperature
	Sudden removal	5cm during 1 month	100 mg/l during 1 month	130 dB	2 ranks for 1 year	0.5-1.5m/s for 1 year	2°C for 1 year
Polychaetes							
Cirratus cirratus	High	High	NS	NS	Low	Low	NS
Owenia fusiformis	Moderate	Low	NS	NS	Low	NS	Low
Pomatoceros triqueter	Moderate	Moderate	Low	NS	Low	NS	NS
Spio filicornis	Moderate	Very Low	NS	NS	Low	Low	Very Low
Spiophanes bombyx	Moder-	Low	NS	?	Moder-	Moderate	Very low

Species	Construction phase				Operation phase		
	Physical factor and benchmark				Physical factor and benchmark		
	Substratum (habitat) loss	Smothering (burial)	Increase in suspended sediment	Noise	Increase in wave exposure	Increase in water flow rate	Increase in temperature
	Sudden removal	5cm during 1 month	100 mg/l during 1 month	130 dB	2 ranks for 1 year	0.5-1.5m/s for 1 year	2°C for 1 year
	ate				ate		
Bivalves							
Arctica islandica	High	Moderate	NS	NS	Moderate	Very Low	High
Corbula gibba	Moderate	NS	NS	NS	Low	Low	NS
Modiolus modiolus	High	High	NS	NS	High	High	NS
Mya arenaria	Moderate	Low	Low	NS	Low	Low	Very Low
Mytilus edulis	Moderate	Low	NS	NS	Low	Very low	Very Low
Nucula nitidosa	Moderate	Very low	NS	?	Moderate	Low	NS
Crustaceans							
Bathyporeia pelagica	Low	Low	Very Low	NS	Moderate	Moderate	Low
Liocarcinus depurator	Low	NS	NS	NS	Low	Low	Low
Echinoderms							
Amphiura filiformis	Moderate	Very low	Very low	NS	Moderate	Moderate	Low
Asterias rubens	Moderate	Very Low	Low	NS	Low	Low	Moderate
Echinocardium cordatum	Moderate	NS	Low	NS	Low	Low	Low
Ophiothrix fragilis	Moderate	Moderate	Very low	Very low	Very low	Very low	Low
Psammechinus miliaris	Moderate	Moderate	Very low	NS	Low	Very low	Moderate

The approach used in MarLIN is described in /8/. The sensitivity of a species is assessed relative to benchmarks, which define the magnitude and the duration of the imposed change of the physical factors. The derivation of benchmarks is based on literature reviews and quantitative benchmarks are defined when possible e.g. smothering (burial) of a species or habitat by 5cm of sediment for 1 month.

The sensitivity of a species is based on assessments combining the intolerance to the physical change (defined by the benchmarks) and the recoverability (Table 4-3).

The ability to recover has a great weight in the combined assessment of the sensitivity of the species.

Table 4-3 Sensitivity matrix combining intolerance and recoverability to a change /7/.

Intolerance	Recoverability						
	None	Very low (>25 y)	Low (>10-25y)	Moder-ate (>5-10y)	High (1-5y)	Very high (<1y)	Immedi-ate (<1week)
High	Very high	Very high	High	Moderate	Moderate	Low	Very low
Intermediate	Very high	High	High	Moderate	Low	Low	Very low
Low	High	Moderate	Moderate	Low	Low	Very low	NS
Tolerant	NS	NS	NS	NS	NS	NS	NS

4.3.3 Summary of environmental impacts

The environmental impact on the benthic fauna in the construction and operation phases will be summarized according to the criteria in Table 4-4.

Table 4-4 Criteria used in the environmental impact assessment during the construction and operation phase of the off-shore cable between the substation and Djursland (Grenå).

Intensity of effect	Scale of effect	Duration of effect	Overall significance of impact[1]
No	Local	Short-term	No impact
Minor	Regional	Medium-term	Minor impact
Medium	National	Long-term	Moderate impact
Large	Transboundary		Significant impact

[1]: Evaluation of overall significance of impact includes an evaluation of the variables shown and an evaluation of the sensitivity of the resource/receptor that is assessed.

4.3.4 Impacts during the construction phase

The main potential impacts on the benthic fauna due to deployment of the offshore cable by jetting are related to:

- Disturbance of the seabed due to the jetting process
- Increased concentrations of suspended matter due to sediment spill
- Increased sedimentation due to sediment spill

The potential impacts on the benthic fauna during the construction phase are summarized in Table 4-5.

Table 4-5 Sources of impact and potential impacts on benthic fauna during the construction phase of the offshore cable.

Project activity	Sources of potential impact	Potential environmental impact
Jetting (cables between the substation and Grenå)	Disturbance of the seabed along the cables trench	Increased mortality due burial and/or increased exposure for predation

Project activity	Sources of potential impact	Potential environmental impact
Sediment spill during jetting	Increased concentrations of suspended matter	Clogging of respiratory surfaces (gills)
Sediment spill during jetting	Increased sedimentation	Smothering and burial

4.3.4.1 Sediment disturbance and impacts on benthic fauna

Jetting will be used to deploy the offshore cables about 1.2m below the seabed. The jetting process is illustrated in Figure 4-2.

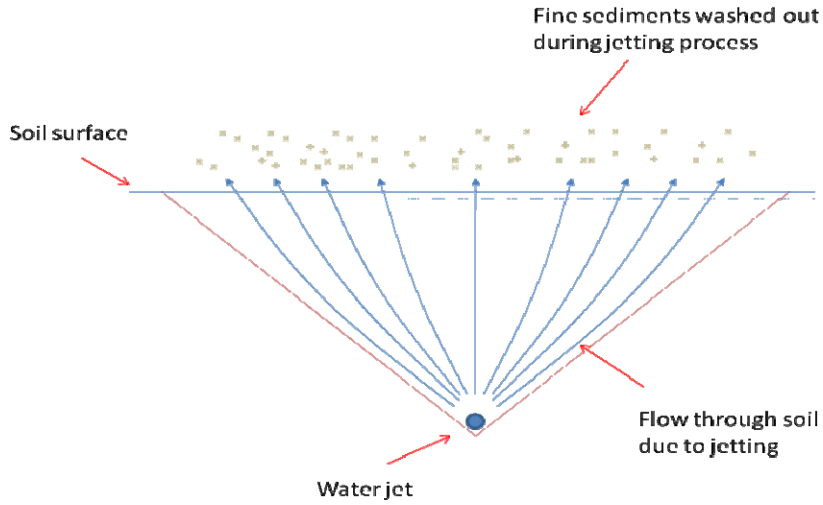


Figure 4-2 Sketch of the water jetting effect /3/.

Jetting will affect 1.5m^3/m of the seabed and it means that the sediment will be disturbed in a 3m broad zone. The length of the offshore cable is 22km and 66,000m^2 of the seabed will be affected by the jetting process.

The jetting process will destabilise the sediment. Some of the benthic species will sink into the fluidised sediment and becomes buried. Heavy bivalves like the Horse mussel (*Modiolus modiolus*) living on the sediment surface has a high sensitivity to burial and the Icelandic cyprine (*Arctica islandica*) living in close proximity to the surface has a moderate sensitivity. It is assumed that most of the Horse mussels and Icelandic cyprine living in the zone affected by jetting will be killed. Other species of bivalves, polychaetes, crustaceans and most echinoderms are less sensitive to burial and the mortality will be less.

In addition to the burial effect some animals will be exposed on the sediment surface by jetting and subject for increased mortality due to predation from especially fish species feeding on benthic fauna. The disturbance of the sediment by jetting is short term but the immediate mortality of the benthic fauna in the affected zone is ex-

pected to be pronounced. However, the area of the affected zone is limited compared to the area of unaffected seabed around the offshore cable between the substation and the coast. Due to the short term disturbance the sediment will probably return to the previous state after a short period of consolidation in the affected areas. A rapid re-colonisation of most species is therefore expected due to immigration of adult and larvae from adjacent undisturbed areas and by recruitment. The abundance of the benthic fauna will probably be recovered in less than 1-5 years but recovery of the benthic biomass, dominated by large bivalves and especially Icelandic cyprine, will take much longer.

4.3.4.2 Impacts of increased concentrations of suspended matter

The speed of the jetting process is about 1000 m per hour /3/. It means that deployment of the offshore cable will last about 24 hours.

The maximum concentrations of suspended matter are shown in Figure 4-3.

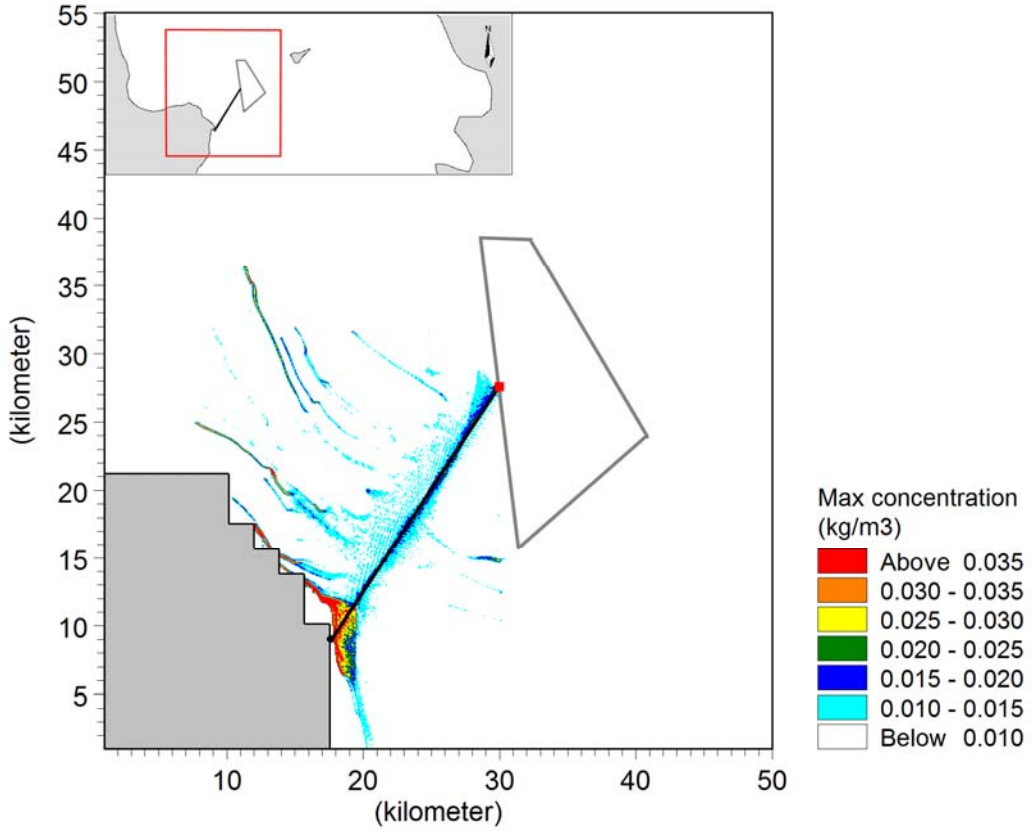


Figure 4-3 Calculated maximum concentration of suspended matter during jetting of the offshore cable (the red line).

The numbers of hours where concentrations of 10mg/l and 15mg/l, respectively, are exceeded are shown in Figure 12-4 and Figure 12-5.

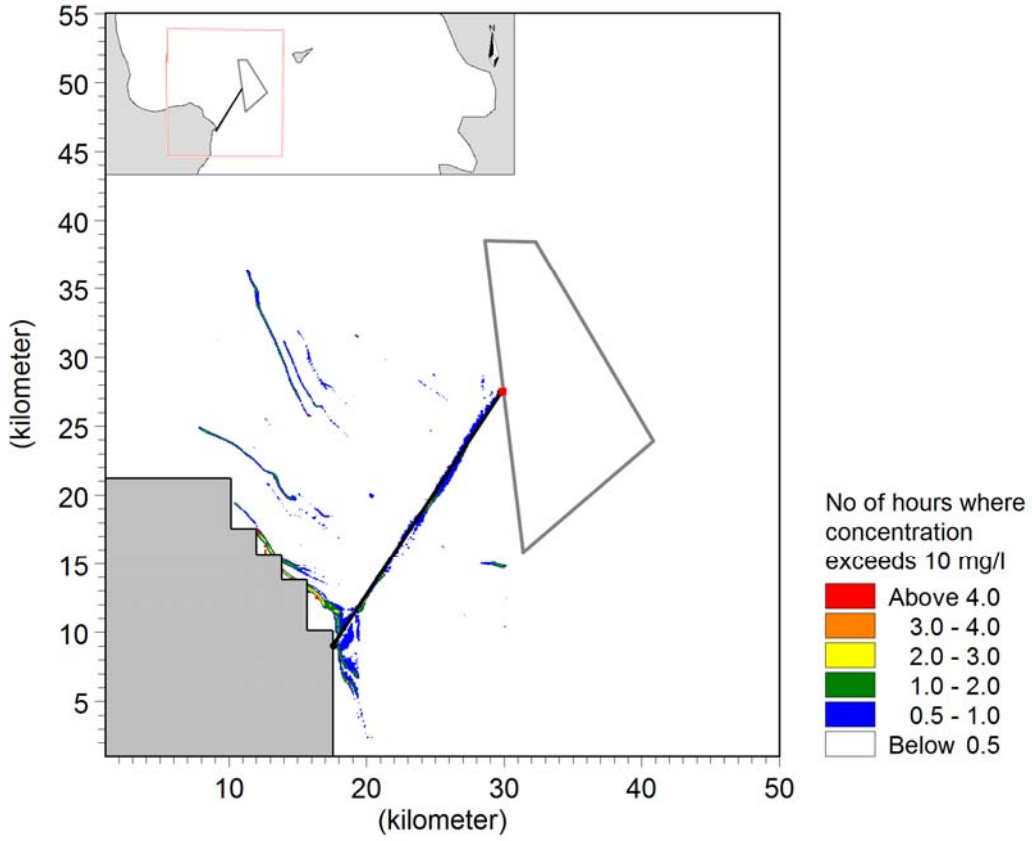


Figure 4-4: No og hours where 10mg/l (visible plumes) are exceeded due to jetting of the off-shore cable and the sediment spill. The red line is the cable alignment.

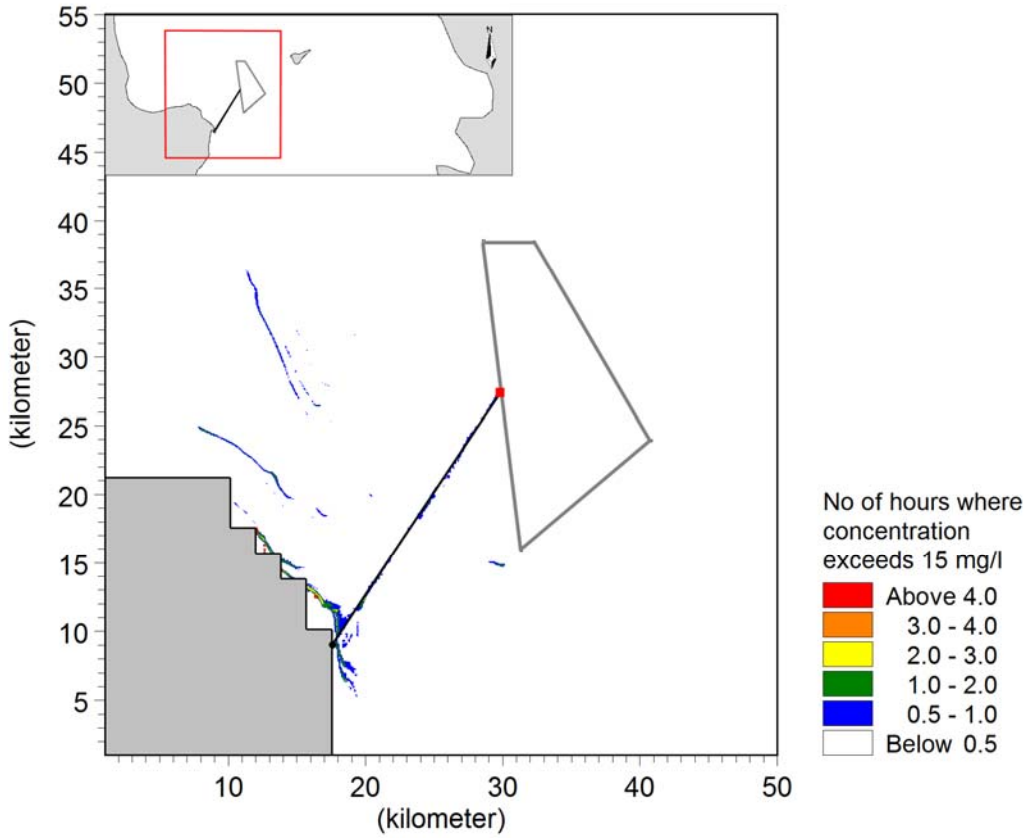


Figure 4-5 No of hours where 15mg/l are exceeded due to jetting of the offshore cable and the sediment spill. The red line is the cable alignment.

4.3.4.2.1 **Impact on the benthic fauna**

The response of the benthic fauna to increased concentration of suspended matter depends on the concentrations and the duration of the exposure for elevated concentrations. Benthic species are either not sensitive, has a very low or a low sensitivity to prolonged exposures for even very high concentrations of suspended matter (100 mg/l for one month), cf. Table 4-2.

Even the maximum concentrations of suspended matter due to sediment spill are an order of magnitude lower than the benchmark (100mg/l) except close to the coast. However, the exposure time is very short term and will not affect filter feeding species of the benthic fauna. Exposures for concentrations of 10mg/l or 15mg/l lasting a few hours (3-4 hours) will have no impacts on the benthic fauna.

There will be no impact on the benthic fauna due to suspended matter from the sediment spill during jetting.

4.3.4.3 Impacts of increased sedimentation

4.3.4.3.1 Sedimentation

The sediment spill caused by jetting will results in a very low and patchy sedimentation over a large area between the substation and Djursland (Figure 4-6). The largest sedimentation is up to 100 g/m^2. This corresponds to a sediment layer less than 0.1 mm in thickness. Sedimentation of this magnitude is expected to cover 2.6-4.2 km^2 of the seabed depending on the current conditions during the 24 hour jetting period.

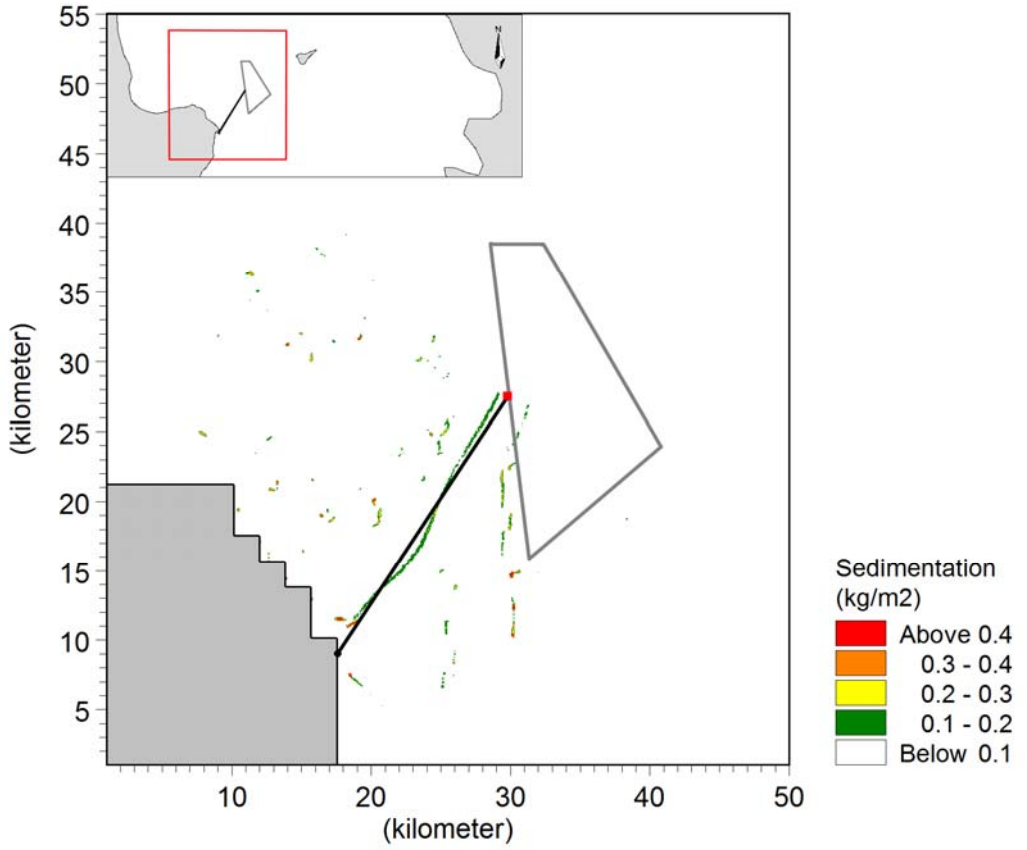


Figure 4-6 Deposition pattern after jetting of the offshore cable. The black line indicates cable alignment /3/.

4.3.4.3.2 Impact on the benthic fauna

The sensitivity of benthic species to be covered by 5 cm sediment for one month is mostly low to moderate but high for a species like the Horse mussel (*Modiolus modiolus*) living on the sediment surface, cf. Table 4-2. The sensitivity of Horse mussel to acute burial beneath 5 cm of sediment has been confirmed by in situ studies with experimental coverage /11/.

However, the simulated sedimentation due to jetting of the offshore cable is a factor 500 below the threshold used in Table 4-2.

Sedimentation of the spill may locally and short term be higher than simulated but no impacts on the benthic fauna are expected.

4.3.4.4 Summary of impacts during the construction phase

The expected impacts on the benthic fauna due to sediment disturbance, suspended matter and sedimentation of the sediment spill due to jetting of the offshore cable is summarised in Table 4-6.

Table 4-6 Summary of impacts on the benthic fauna due to deployment of the offshore cable by jetting.

Impact	Intensity of effect	Scale / geographical extent of effect	Duration of effect	Overall significance of impact
Sediment disturbance	Minor	Local	Short term to medium term	Minor impact
Suspended matter	No	Local	Short-term	No impact
Sedimentation	No	Local	Short-term	No impact

Short term disturbance of the sediment in a narrow zone along the alignment of the offshore cable due to jetting will reduce the abundance and biomass due to burial of heavy species sensitive to burial (e.g. Horse mussel and Icelandic cyprine) combined with an increased mortality of species, which are lifted to the sediment surface and exposed for predation by fish feeding on the seabed.

The sediment spill and increased concentrations of suspended matter and sedimentation of the spill will not affect the benthic fauna.

4.3.5 Impacts during the operation phase

The main potential impacts on the benthic fauna during operation of the offshore cable between the substation and Djursland (Grenå) are related to:

- Electromagnetic fields and increased temperature of the sediment along the offshore cable

The potential impacts on the benthic fauna in the operation phase are summarized in Table 4-7.

Table 4-7 Sources of impact and potential impacts on benthic fauna during the operation phase.

Project activity	Sources of potential impact	Potential environmental impact
Offshore cables between the substation and Grenå	Electromagnetic fields and increased temperature of the sediment above	Reduced recruitment and growth and changes in species composition, abundance and biomass

Project activity	Sources of potential impact	Potential environmental impact
	the cable	along the cable

4.3.5.1.1 Electromagnetic fields and increased temperature

Magnetic fields around composite and shielded power cables are low and dissipate within few metres to values far below the Earth magnetic field. The present knowledge of possible responses on invertebrates to electromagnetic field is too limited to make proper assessments /19/.

Any impact of electromagnetic field may interact with the dissipation of heat from the cables and raised temperature in the sediment. Measurements in Nysted Offshore Wind Farm showed that the seabed temperature was generally higher close to the offshore 132 kV cable than close to the 36 kV cable between the turbines. The maximum difference in temperature between the 132 kV cable and unaffected reference seabed was 2.5ºC measured about 0.5m above the cable and 0.5m below the surface of the seabed. The excess temperature above the cable decreased rapidly and was less than 1ºC and 0.1ºC respectively 0.3m and 0.1m below the sediment surface /23/.

The heating of the sediment above the offshore cable between the substation and Grenå will probably be similar to the increase in temperature measured above Nysted offshore 132 kV cable connecting the transformer stations and the coast.

The benthic fauna are adapted to large seasonal variations in temperature and are in general not sensitive or have a low sensitivity to prolonged increase in temperature up to 2ºC, cf. Table 4-2.

The magnitude of possible impacts due to combined effects of magnetic field and temperature is expected to be insignificant and the area affected is very small compared to unaffected seabed areas around the offshore cable between the substation and Grenå.

4.3.5.2 Summary of impacts during the operation phase

The expected impacts on the benthic fauna due to electromagnetic fields and increased temperature is summarised in Table 4-8.

Table 4-8 Summary of impacts on the benthic fauna in the operation phase.

Impact	Intensity of effect	Scale / geographical extent of effect	Duration of effect	Overall significance of impact
Electromagnetic field and increased temperature	Minor	Local	Long-term	No impact

4.4 Mitigation measures

Not relevant in relation to the benthic fauna during construction and operations of the offshore cable between the substation and Djursland (Grenå).

4.5 Cumulative effects

No cumulative effects for the benthic fauna.

4.6 Decommissioning

If requested decommissioning will include:

- Removal of the offshore cables between the substation and Djursland (Grenå)

4.6.1 Removal of cables and impacts

The impacts depend on the technique used to remove the offshore cable. If the cable is pulled out of the trench the sediment disturbance and impact on the benthic fauna will be negligible. However if jetting and/or dredging and backfilling of the trenches is needed to remove the cable the seabed and the impacts on benthic communities due to temporary habitat loss and sediment disturbance in the decommission phase will be similar to the impacts expected in the construction phase, cf. Table 4-6.

4.7 Technical deficiencies or lack of knowledge

The information available is sufficient to support the assessments and the overall conclusions.

4.8 Conclusions concerning substation and offshore cable

Possible impacts concerning the substation are expected to be included in the assessments of the wind farm and the summary in Table 3-16.

The overall conclusions concerning the expected impacts on the benthic fauna during the construction, operation and decommissioning phases of the offshore cable between the substation and Djursland (Grenå) are summarised in Table 4-9. The principles for rating the quality of available data are given in Table 4-10.

Table 4-9 Summary of expected impacts on the benthic fauna during construction, operation and decommissioning of the offshore cable between the substation and Djursland (Grenå).

Impacts on the benthic fauna of the offshore cable	Overall significance of impact	Quality of available data
Impacts during construction		
Sediment disturbance	Minor impact	3
Suspended matter	No impact	3
Increased sedimentation	No impact	3
Impacts during operation		
Electromagnetic fields and increased temperature	No impact	3
Impacts during decommissioning		
Sediment disturbance	No to Minor impact	(3)

Table 4-10 Principles for rating the quality of available data.

Quality of available data

In order to evaluate the quality and significance of data and documentation for the impact assessment a significance rating of data and documentation should be evaluated within the specific technical subject topics using the following categories:

- 1 – Limited (scattered data, some knowledge)
- 2 – Sufficient (scattered data, field studies, documented)
- 3 – Good (time series, field studies, well documented)

For the EIA-document an impact arising from a planned activity will, depending on its magnitude and the environmental sensitivity, be given a significance rating as follows:

: No impact	*No impact*: There will be no impact on structure or function in the affected area;
: Minor impact	*Minor impact*: The structure or functions in the area will be partially affected, but there will be no impacts outside the affected area;
: Moderate Impact	*Moderate Impact*: The structure or function in the area will change, but there will be no significant impacts outside the affected area;
: Significant impact	*Significant impact*: The structure or function in the area will change, and the impact will have effects outside the area as well;

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Appendix 1 Position, depth and sediment at stations in the project area, where samples of benthic fauna and sediment were collected in April 2009

Station	Longitude WGS84	Latitude WGS84	Depth m	Sediment
A1	11º 08.0	56º 41.5	15.7	Fine sand, 1 A.isl., 1 attempt
A2	11º 08.0	56º 40.5	16.7	Fine sand, 1 attempt
A3	11º 08.2	56º 39.5	16.8	Fine sand
B1	11º 09.0	56º 42.0	15.8	Fine sand, 1 A.isl.,
B2	11º 09.0	56º 41.0	16.0	Mixed fine sand and gravel, 1 A.isl. 1 attempt
B3	11º 09.0	56º 40.0	16.8	Large area with stones-abandoned and replaced by BX3,
BX3	11º 09.0	56º 39.5	17.2	Fine sand, shells
B4	11º 09.0	56º 39.0	17.2	Very fine sand, 2 attempts
B5	11º 09.0	56º 38.0	16.4	Fine sand, 1 A.isl., large sample
B6	11º 09.0	56º 37.0	17.2	Medium sand, large sample, 1 attempt
B7	11º 09.0	56º 36.0	17.3	Coarse sand, 2 attempts
C1	11º 10.0	56º 41.5	17.0	Fine sand, large sample, 1 attempt
C2	11º 10.0	56º 40.5	15.8	Fine sand, a few A.isl., large sample, 1 attempt
C3	11º 10.0	56º 39.5	17.0	Fine sand, one A.isl., large sample, 1 attempt
C4	11º 10.0	56º 38.5	16.4	Fine sand, 3 A.isl., large sample, 1 attempt
C5	11º 10.0	56º 37.65	17.3	Station moved 300m north, Fine sand, many shells and tubes, large sample, 6 attempts
C6	11º 10.0	56º 36.5	19.9	Fine (black) sand, one A.isl., large sample, 2 attempts
C7	11º 10.0	56º 35.5	18.5	Fine sand, 2 attempts
C8	11º 10.0	56º 34.5	17.9	Fine sand, 2 A.isl., 1 attempt
C9	11º 10.0	56º 33.5	18.0	Medium sand, shells, 1 attempt
C10	11º 10.0	56º 32.5	18.3	Fine sand, shells,, 3 attempts
C11	11º 10.0	56º 31.5	18.9	Fine sand, shells, 1 A.isl., 3 attempts
D1	11º 11.0	56º 42.0	17.2	Fine sand, large sample, 1 attempt,
D2	11º 11.0	56º 41.0	16.5	Fine sand, one A.isl., large sample, 2 attempts
D3	11º 11.0	56º 40.0	15.6	Fine sand, 2 A.isl., large sample, 2 attempts
D4	11º 11.0	56º 39.0	15.7	Fine sand, more A.isl., large sample, 2 attempts
D5	11º 11.0	56º 38.0	16.7	Medium sand, 3 A.isl.
D6	11º 11.0	56º 37.0	17.2	Fine sand and gravel, large sample, 2 A.isl., 1 attempt
D7	11º 11.0	56º 36.0	16.3	Coarse sand, gravel, stones, bivalves, 5 attempts
D8	11º 11.0	56º 35.0	17.1	Medium to coarse sand, small stones, starfish, Modiolus, 6 attempts
D9	11º 11.0	56º 34.0	17.1	Fine to medium sand, 1 A.isl., large sample, 3 attempts
D10	11º 10.997	56º 33.10	17.0	Station moved due to hard bottom. Medium sand, A.isl., sea urchins, large sample, 6 attempts
D11	11º 11.0	56º 32.0	17.5	Fine sand, shells, 1 A.isl., 3 attempts
D12	11º 11.0	56º 31.0	17.5	Medium sand, small stones, shell fragments, 2 attempt,
E1	11º 12.0	56º 41.5	17.9	Fine sand, large sample, 2 A.isl.
E2	11º 12.0	56º 40.5	16.9	Mixed sand, large sample, 1 attempt
E3	11º 12.0	56º 39.5	16.3	Fine sand, 1 attempt
E4	11º 12.0	56º 38.5	15.9	Fine sand, large sample, many tubes, 1 attempt
E5	11º 12.0	56º 37.5	16.7	Very fine sand, a few A.isl., large sample, 1 attempt
E6	11º 12.0	56º 36.5	17.1	Fine sand, shells, 2 attempts

Station	Longitude WGS84	Latitude WGS84	Depth m	Sediment
E7	11º 12.0	56º 35.5	16.5	Fine to medium sand, shellgravel, large sample, 3 attempts
E8	11º 12.0	56º 34.5	17.3	Fine to medium sand, large sample, 1 A.isl. many other bivalves, 2 attempts
E9	11º 12.0	56º 33.5	17.0	Fine sand, shells, A.isl., 3 attempts
E10	11º 12.0	56º 32.5	17.4	Fine sand, shells, large sample, 1 attempt,
E11	11º 12.0	56º 31.5	17.5	Fine to medium sand and shells, 1 attempt,
F1	11º 13.0	56º 40.0	17.3	Fine to medium sand, a few A.isl., 2 attempts
F2	11º 13.0	56º 39.0	16.7	Fine sand, shells, large sample, 1 attempt
F3	11º 13.0	56º 38.0	16.2	Very fine sand, many tubes, large sample
F4	11º 13.0	56º 37.0	16.8	Very fine sand, large sample, 1 attempt
F5	11º 13.0	56º 36.0	16.1	Hard, stony bottom, but also fine sand. Sampling difficult, large sample with many large animals (A.isl. Modiolus: 12 cm), 6 attempts
FX6	11º 13.0	56º 35.5	17.0	Coarse sand, shells, large sample, 1 A. isl.,1 attempt
F6	11º 13.0	56º 35.0	16.2	Only stones-station moved to FX6,
F7	11º 13.0	56º 34.0	17.8	Coarse sand, large sample, large bivalves, 1 attempt
F8	11º 13.0	56º 33.0	17.0	Medium to coarse sand, 1 attempt,
F9	11º 13.0	56º 32.0	17.1	Fine sand and shells, 4 attempts,
G1	11º 14.0	56º 39.5	17.5	Sand, some A. isl.,2 attempts
G2	11º 14.0	56º 38.5	17.7	Coarse sand, small stones, numerous A.isl. (live and shells), large sample, 4 attempts,
G3	11º 14.0	56º 37.5	16.9	Fine sand, a few A.isl., 1 attempt,
G4	11º 14.0	56º 36.5	16.6	Medium sand, large sample, 1 attempt,
G5	11º 14.0	56º 35.5	17.1	Medium sand, small and larger stones (20 cm), 8 attempts,
G6	11º 14.0	56º 34.5	16.9	Coarse sand, gravel, large sample, 2 attempts,
G7	11º 14.0	56º 33.5	17.3	Coarse sand, large sample, 1 attempt,
G8	11º 14.0	56º 32.5	17.0	Coarse sand, gravel, small stones, shells, 3 attempts,
H1	11º 15.0	56º 38.0	19.1	Sand, large sample, 1 attempt,
H2	11º 15.0	56º 37.0	18.0	Very fine sand, large sample, 1 attempt,
H3	11º 15.0	56º 36.0	17.0	Medium sand, many shells, A.isl., Large sample, 2 attempts,
H4	11º 15.0	56º 35.0	16.9	Medium sand, small stones, large sample, 2 attempts
H5	11º 15.0	56º 34.0	17.8	Fine sand, one A.isl., 1 attempt
H6	11º 15.0	56º 33.0	17.3	Gravel, stones and shells, 2 attempts
I1	11º 16.0	56º 37.5	20.0	Fine sand, shells, large sample, 1 attempt
I2	11º 16.0	56º 36.5	18.1	Fine to medium sand, many shells, large sample, 4 attempts
I3	11º 16.0	56º 35.5	17.4	Fine sand, large sample, 1 attempt
I4	11º 16.0	56º 34.5	17.5	Mixed but mostly fine sand, 1 attempt
I5	11º 16.0	56º 33.5	17.6	Fine to coarse sand, 1 attempt
J1	11º 17.0	56º 36.0	17.7	Mixed sand, many AI incl. shells, 6 attempts
J2	11º 17.0	56º 35.0	17.6	Fine sand, AI, 2 attempts
J3	11º 17.0	56º 34.0	17.7	Fine sand, large sample, 1 attempt
J4	11º 17.0	56º 33.3	17.7	Fine sand, gravel, shells, AI, 3 attempts
K1	11º 18.0	56º 35.5	18.1	Coarse sand, shelles of A.isl., 2 attempts
K2	11º 18.0	56º 34.5	18.4	Coarse sand, small stones, 2 attempts

Station	Longitude WGS84	Latitude WGS84	Depth m	Sediment
K3	11º 18.0	56º 33.7	18.0	Coarse sand, 1 attempt
L1	11º 19.0	56º 34.5	18.7	Fine sand, gravel, 1 attempt

A.isl.: *Arctica islandica* (Icelandic cyprine)

Appendix 2 Median grain size and loss on ignition of the sediment

Station	Grain size d_{50}	Loss on ignition	Station	Grain size d_{50}	Loss on ignition
	mm	g/kg DM		mm	g/kg DM
A1	0.316	2.28	E8	0.320	3.14
A2	0.283	4.36	E9	0.315	4.43
A3	0.301	4.86	E10	0.382	2.94
B1	0.245	5.48	E11	0.304	4.16
B2	0.382	4.17	F1	0.383	3.99
BX3	0.288	1.69	F2	0.332	3.99
B4	0.298	2.77	F3	0.221	5.46
B5	0.246	4.61	F4	0.263	4.18
B6	0.310	2.86	F5	0.479	5.75
B7	0.480	4.38	FX6	0.620	13.80
C1	0.286	4.90	F7	0.526	1.30
C2	0.321	2.76	F8	0.350	5.26
C3	0.456	3.80	F9	0.322	3.85
C4	0.324	3.78	G1	0.371	3.03
C5	0.412	5.64	G2	0.447	2.09
C6	0.363	5.63	G3	0.283	2.91
C7	0.261	11.23	G4	0.385	2.18
C8	0.384	6.62	G5	0.297	3.05
C9	0.443	3.96	G6	0.247	4.32
C10	0.242	6.16	G7	0.333	2.15
C11	0.391	6.45	G8	0.728	4.86
D1	0.295	5.72	H1	0.278	6.55
D2	0.364	2.90	H2	0.281	4.09
D3	0.305	5.19	H3	0.375	4.12
D4	0.324	4.56	H4	0.532	4.81
D5	0.312	4.36	H5	0.267	6.06
D6	0.306	4.13	H6	0.466	6.09
D7	0.440	6.62	I1	0.271	5.63
D8	0.261	8.94	I2	0.389	3.93
D9	0.309	6.66	I3	0.292	3.30
D10	0.360	5.52	I4	0.301	5.11
D11	0.221	7.67	I5	0.367	4.25
D12	0.284	6.26	J1	0.355	3.71
E1	0.315	4.07	J2	0.270	4.26
E2	0.332	3.31	J3	0.277	4.00
E3	0.304	2.89	J4	0.355	2.42
E4	0.221	6.57	K1	0.309	5.28
E5	0.298	4.54	K2	0.379	4.72
E6	0.334	2.91	K3	0.402	4.73
E7	0.366	3.94	L1	0.344	6.96

Appendix 3 Abundance (m^{-2}) of the benthic fauna in the project area

Taxonomic groups	Species	A - 1	A - 2	A - 3	B – 1	B - 2
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0	0	0	0	0
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Chaetozone setosa	50	0	0	0	50
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	0	0	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	0
Polychaeta	Glycera capitata	0	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	10	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	0	0	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	10	10	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	10	0	0	0
Polychaeta	Nephtys longosetosa	0	0	0	10	10
Polychaeta	Nereimyra punctata	0	0	20	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	130	120	120	110	10
Polychaeta	Orbinia sertulata	0	0	0	0	10
Polychaeta	Owenia fusiformis	10	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0	0	0	0	0
Polychaeta	Pholoe inornata	0	10	20	0	0

Taxonomic groups	Species	A - 1	A - 2	A - 3	B – 1	B - 2
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0
Polychaeta	Phyllodoce maculata	0	0	0	0	0
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	10	0	0
Polychaeta	Scoloplos armiger	80	180	60	60	70
Polychaeta	Spio filicornis	30	30	0	40	10
Polychaeta	Spio sp.	0	0	10	0	0
Polychaeta	Spiophanes bombyx	20	10	0	0	0
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	30	10	20	10	10
Bivalvia	Astarte borealis	0	10	0	0	30
Bivalvia	Chamelia striatula	30	0	20	10	0
Bivalvia	Cochlodesma praetenue	30	0	40	0	20
Bivalvia	Corbula gibba	0	0	10	0	0
Bivalvia	Crenella decussata	0	0	0	0	110
Bivalvia	Dosinia lupinus	0	0	0	0	20
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0	10	0	0	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Modiolus modiolus	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	10	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0	0	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	0	0	0	0	0

Taxonomic groups	Species	A - 1	A - 2	A - 3	B – 1	B - 2
Bivalvia	Tellina tenuis	0	0	0	0	0
Bivalvia	Thracia papyracea	0	0	0	0	0
Bivalvia	Thyasira flexuosa	0	0	0	0	0
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	10	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0	0	0	0
Crustacea	Ampelisca tenuicornis	10	30	40	30	60
Crustacea	Atylus vedlomensis	0	10	0	0	0
Crustacea	Bathyporeia elegans	140	270	0	170	90
Crustacea	Bathyporeia guilliamsoniana	230	20	60	10	110
Crustacea	Bathyporeia pilosa	0	0	170	0	0
Crustacea	Bathyporeia sp.	0	0	10	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	10	0	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	0	0	0
Crustacea	Corophium crassicorne	0	0	0	20	0
Crustacea	Ericthonius brasiliensis	0	50	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	10	10	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0	10	0	0	0
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0

Taxonomic groups	Species	A - 1	A - 2	A - 3	B – 1	B - 2
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0
Crustacea	Microdeutopus sp.	0	0	0	0	0
Crustacea	Monoculodes carinatus	0	0	0	0	20
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0
Crustacea	Pontocrates arenarius	0	30	20	10	20
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	0	0	20
Crustacea	Tanaidacea	0	0	10	0	10
Crustacea	Urothoe elegans	0	0	0	0	0
Crustacea	Urothoe poseidonis	0	0	0	0	0
Echinodermata	Amphiura filiformis	0	0	0	0	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	0	0	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	0	0	0	10	20
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Edwardsia sp.	30	10	30	50	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0	0
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	290	100	120	180	190
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	0	0	30	30	60
Polyplacophora	Lepidopleurus asellus	0	0	0	0	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Abundance (m^{-2})		**1120**	**970**	**830**	**760**	**950**
Number of species (0.1 m^2)		**15**	**23**	**20**	**16**	**21**

Taxonomic groups	Species	Bx - 3	B - 4	B – 5	B - 6	B – 7
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	10	10	20	0	30
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Bylgides sarsi	10	0	0	0	10
Polychaeta	Aonides paucibranchiata	0	0	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	0	0	10	10
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	10	10	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	0
Polychaeta	Glycera capitata	0	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	20	10	20	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	0	20	0	20
Polychaeta	Nephtys longosetosa	10	10	10	20	0
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	100	20	80	170	90
Polychaeta	Orbinia sertulata	0	0	0	0	0
Polychaeta	Owenia fusiformis	0	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0	0	0	0	10
Polychaeta	Pholoe inornata	0	0	0	0	40
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0

Taxonomic groups	Species	Bx - 3	B - 4	B – 5	B - 6	B – 7
Polychaeta	Phyllodoce maculata	0	0	0	0	0
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	120	100	210	70	100
Polychaeta	Spio filicornis	30	40	20	20	0
Polychaeta	Spio sp.	0	20	0	0	0
Polychaeta	Spiophanes bombyx	10	20	10	0	10
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	20	0	20	10	0
Bivalvia	Astarte borealis	0	0	0	0	30
Bivalvia	Chamelia striatula	10	10	40	10	0
Bivalvia	Cochlodesma praetenue	0	0	0	0	0
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0	0	0	0	0
Bivalvia	Dosinia lupinus	0	0	0	0	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	10	0	0	0	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Modiolus modiolus	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0	0	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellina fabula	30	0	0	0	0
Bivalvia	Tellina pygmaea	0	0	0	0	20
Bivalvia	Tellina tenuis	0	0	0	0	0

Taxonomic groups	Species	Bx - 3	B - 4	B – 5	B - 6	B – 7
Bivalvia	Thracia papyracea	20	0	20	0	30
Bivalvia	Thyasira flexuosa	0	0	0	0	0
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	10	0
Gastropoda	Buccinum undatum	0	0	0	0	10
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	0	10
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	10	0	0	0	0
Crustacea	Ampelisca tenuicornis	20	0	0	100	90
Crustacea	Atylus vedlomensis	0	0	0	0	0
Crustacea	Bathyporeia elegans	180	90	270	320	0
Crustacea	Bathyporeia guilliamsoniana	20	0	20	20	0
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	20	0	0	0	0
Crustacea	Cheirocratus sp.	10	0	0	10	20
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	10	0	0
Crustacea	Corophium crassicorne	0	0	0	10	20
Crustacea	Ericthonius brasiliensis	0	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	10	0	10	0	0
Crustacea	Hippomedon denticulatus	10	0	0	10	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0	0	0	0	90
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0

Taxonomic groups	Species	Bx - 3	B - 4	B – 5	B - 6	B – 7
Crustacea	Microdeutopus sp.	0	0	0	0	0
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	10
Crustacea	Phthisica marina	10	0	0	10	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	10	0	0
Crustacea	Pontocrates arenarius	0	10	50	20	0
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	10	0	0	0
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0	0	0	0
Crustacea	Urothoe poseidonis	0	0	0	0	0
Echinodermata	Amphiura filiformis	0	0	0	0	50
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	10	0	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	10	0	0	10	80
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Edwardsia sp.	30	10	0	10	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	20	0	0	10
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	50	40	180	110	50
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	0	0	10	20	140
Polyplacophora	Lepidopleurus asellus	0	0	0	0	30
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Abundance (m^{-2})		**790**	**430**	**1040**	**970**	**1010**
Number of species ($0.1m^{-2}$)		**26**	**16**	**20**	**20**	**25**

Taxonomic groups	Species	C - 1	C - 2	C - 3	C - 4	C – 5
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	60	0	0	20	50
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	20	10	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Chaetozone setosa	10	20	20	10	0
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	20	0	0	0	0
Polychaeta	Eunoe nodosa	0	10	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	0
Polychaeta	Glycera capitata	0	10	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	10	0	0	10	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	0	0	0	30
Polychaeta	Nephtys longosetosa	0	20	20	20	10
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	280	70	70	210	160
Polychaeta	Orbinia sertulata	0	0	10	0	0
Polychaeta	Owenia fusiformis	0	0	10	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	10
Polychaeta	Pholoe balthica	10	0	0	0	0
Polychaeta	Pholoe inornata	0	0	30	10	0
Polychaeta	Phyllodoce groenlandica	0	0	10	0	0

Taxonomic groups	Species	C - 1	C - 2	C - 3	C - 4	C – 5
Polychaeta	Phyllodoce maculata	0	0	0	0	0
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	10
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0	40
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	220	110	10	40	120
Polychaeta	Spio filicornis	80	10	10	10	30
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	40	30	0	30	30
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	20	30	10	30	10
Bivalvia	Astarte borealis	0	0	60	0	0
Bivalvia	Chamelia striatula	0	10	0	0	20
Bivalvia	Cochlodesma praetenue	0	0	0	0	0
Bivalvia	Corbula gibba	10	0	0	0	0
Bivalvia	Crenella decussata	0	0	170	0	0
Bivalvia	Dosinia lupinus	0	10	0	0	0
Bivalvia	Ensis directus	0	0	0	0	10
Bivalvia	Gari fervensis	0	0	0	10	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	10
Bivalvia	Modiolus modiolus	0	0	0	0	10
Bivalvia	Tellimya ferruginosa	10	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0	0	90
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	20	0	0	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellina fabula	30	0	0	0	0
Bivalvia	Tellina pygmaea	0	0	20	0	0
Bivalvia	Tellina tenuis	0	0	0	0	0

Taxonomic groups	Species	C - 1	C - 2	C - 3	C - 4	C – 5
Bivalvia	Thracia papyracea	0	0	10	20	0
Bivalvia	Thyasira flexuosa	0	0	0	0	0
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	10	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	20	0	0	0	0
Crustacea	Ampelisca tenuicornis	30	30	70	30	80
Crustacea	Atylus vedlomensis	0	0	0	0	0
Crustacea	Bathyporeia elegans	220	110	70	220	230
Crustacea	Bathyporeia guilliamsoniana	0	50	110	70	30
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	10	0	40
Crustacea	Corophium crassicorne	0	0	0	0	0
Crustacea	Ericthonius brasiliensis	0	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	10	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0	0	120	0	0
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0

Taxonomic groups	Species	C - 1	C - 2	C - 3	C - 4	C – 5
Crustacea	Microdeutopus sp.	0	0	0	0	0
Crustacea	Monoculodes carinatus	0	0	10	0	10
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	10
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0
Crustacea	Pontocrates arenarius	30	0	120	10	20
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	0	40	0
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	10	0	0	0
Crustacea	Urothoe poseidonis	0	0	0	0	10
Echinodermata	Amphiura filiformis	20	0	0	0	30
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	10	0	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	10	20	50	0	0
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	10
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	10
Cnidaria	Edwardsia sp.	0	0	0	0	30
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0	10
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	10	0	0
Phoronida	Phoronis sp.	220	70	30	380	80
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	10	30	220	50	30
Polyplacophora	Lepidopleurus asellus	0	0	0	0	30
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Abundance (m^{-2})		**1390**	**650**	**1310**	**1240**	**1300**
Number of species ($0.1m^{-2}$)		**23**	**18**	**27**	**21**	**32**

Taxonomic groups	Species	C – 6	C - 7	C - 8	C - 9	C – 10
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	80	10	10	10	10
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	10	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Chaetozone setosa	20	0	0	0	0
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	20	0	0	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	0
Polychaeta	Glycera capitata	0	0	0	0	10
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	10	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	40	0	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	10	0	0	0
Polychaeta	Nephtys caeca	10	0	0	0	0
Polychaeta	Nephtys longosetosa	0	10	10	0	0
Polychaeta	Nereimyra punctata	10	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	20	0	20	60	10
Polychaeta	Orbinia sertulata	0	0	0	0	0
Polychaeta	Owenia fusiformis	0	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	20	0	0	0	0
Polychaeta	Pholoe inornata	10	0	10	0	0
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0

Taxonomic groups	Species	C – 6	C - 7	C - 8	C - 9	C – 10
Polychaeta	Phyllodoce maculata	0	0	0	0	0
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	240	120	30	40	40
Polychaeta	Spio filicornis	50	10	0	0	20
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0	0	0	0	0
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	0	10	20	0	0
Bivalvia	Astarte borealis	0	0	50	30	0
Bivalvia	Chamelia striatula	10	0	0	0	0
Bivalvia	Cochlodesma praetenue	0	0	0	0	0
Bivalvia	Corbula gibba	10	0	0	0	0
Bivalvia	Crenella decussata	0	0	20	50	0
Bivalvia	Dosinia lupinus	0	0	0	10	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	10	0	0	0	10
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Modiolus modiolus	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	10	0	0	0	10
Bivalvia	Modiolarca subpicta	0	0	0	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	20	40	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	10	0	0	0	20
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	0	0	20	0	0
Bivalvia	Tellina tenuis	10	250	0	0	0

Taxonomic groups	Species	C – 6	C - 7	C - 8	C - 9	C – 10
Bivalvia	Thracia papyracea	0	10	10	10	20
Bivalvia	Thyasira flexuosa	20	0	0	0	0
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	10	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0	0	0	0
Crustacea	Ampelisca tenuicornis	50	0	50	10	20
Crustacea	Atylus vedlomensis	0	0	0	0	0
Crustacea	Bathyporeia elegans	70	30	100	70	70
Crustacea	Bathyporeia guilliamsoniana	0	0	30	60	20
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	10	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	0	0	0
Crustacea	Corophium crassicorne	0	0	0	0	0
Crustacea	Ericthonius brasiliensis	0	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0	0	0	30	0
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0

Taxonomic groups	Species	C – 6	C - 7	C - 8	C - 9	C – 10
Crustacea	Microdeutopus sp.	0	0	0	0	0
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	10	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0
Crustacea	Pontocrates arenarius	10	30	20	40	0
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	10	30	0	0	0
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0	0	0	0
Crustacea	Urothoe poseidonis	0	0	0	0	0
Echinodermata	Amphiura filiformis	10	30	0	0	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	20	0	0	0	30
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	0	0	20	0	0
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Edwardsia sp.	20	10	0	0	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0	0
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	10	0	0	0	0
Phoronida	Phoronis sp.	0	20	50	80	20
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	0	0	60	100	0
Polyplacophora	Lepidopleurus asellus	0	0	0	0	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Abundance (m^{-2})		**830**	**640**	**540**	**610**	**310**
Number of species ($0.1m^{-2}$)		**28**	**17**	**18**	**15**	**14**

Taxonomic groups	Species	C - 11	D - 1	D - 2	D - 3	D - 4
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	10	10	0	0	0
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	0	20	20	0
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	10	20	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	0
Polychaeta	Glycera capitata	0	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	20	0	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	20	10	0	20	20
Polychaeta	Nephtys longosetosa	0	20	10	10	0
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	120	130	180	220	60
Polychaeta	Orbinia sertulata	0	0	0	0	10
Polychaeta	Owenia fusiformis	0	0	0	10	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0	0	0	0	0
Polychaeta	Pholoe inornata	0	0	0	0	0
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0

Taxonomic groups	Species	C - 11	D - 1	D - 2	D - 3	D - 4
Polychaeta	Phyllodoce maculata	0	0	0	0	0
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	90	130	90	180	60
Polychaeta	Spio filicornis	80	20	10	20	60
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	50	0	0	10	20
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	20	10	30	40	70
Bivalvia	Astarte borealis	0	0	0	0	60
Bivalvia	Chamelia striatula	10	30	10	10	0
Bivalvia	Cochlodesma praetenue	40	0	0	0	0
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0	0	0	0	120
Bivalvia	Dosinia lupinus	10	0	0	20	10
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0	0	0	0	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Modiolus modiolus	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	20	0	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	10	0	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	0	0	0	0	10
Bivalvia	Tellina tenuis	0	0	0	0	0

Taxonomic groups	Species	C - 11	D - 1	D - 2	D - 3	D - 4
Bivalvia	Thracia papyracea	20	10	0	0	50
Bivalvia	Thyasira flexuosa	0	0	0	0	0
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	20	0	0	0	0
Crustacea	Ampelisca tenuicornis	50	20	90	50	30
Crustacea	Atylus vedlomensis	0	0	0	0	10
Crustacea	Bathyporeia elegans	310	100	110	310	70
Crustacea	Bathyporeia guilliamsoniana	0	0	60	60	60
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	0	0	0
Crustacea	Corophium crassicorne	0	0	0	0	0
Crustacea	Ericthonius brasiliensis	0	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	10	0	0	0	0
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	20
Crustacea	Megaluropus agilis	0	0	10	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0

Taxonomic groups	Species	C - 11	D - 1	D - 2	D - 3	D - 4
Crustacea	Microdeutopus sp.	0	0	0	0	0
Crustacea	Monoculodes carinatus	0	0	10	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	10	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	10	0
Crustacea	Pontocrates arenarius	10	10	30	0	0
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	10	30	20	0
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0	0	0	0
Crustacea	Urothoe poseidonis	10	0	0	0	0
Echinodermata	Amphiura filiformis	0	0	0	0	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	10	0	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	0	30	20	0	30
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Edwardsia sp.	0	50	10	0	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0	0
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	110	250	100	190	120
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	50	0	20	20	20
Polyplacophora	Lepidopleurus asellus	0	0	0	0	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Abundance (m^{-2})		**1070**	**880**	**870**	**1220**	**910**
Number of species ($0.1m^{-2}$)		**21**	**19**	**20**	**18**	**20**

Taxonomic groups	Species	D - 5	D - 6	D - 7	D - 8	D - 9
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0	20	40	10	0
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	10	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	0	0	0	0
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	0	0	0	10
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	10	0	0
Polychaeta	Glycera alba	0	0	0	10	0
Polychaeta	Glycera capitata	0	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	20	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	10	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	0	20	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	10	10	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	20	0	0	10
Polychaeta	Nephtys longosetosa	10	0	0	0	0
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	80	300	10	20	110
Polychaeta	Orbinia sertulata	0	0	0	0	0
Polychaeta	Owenia fusiformis	0	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	10	0
Polychaeta	Pherusa plumosa	0	0	0	10	0
Polychaeta	Pholoe balthica	0	40	0	40	0
Polychaeta	Pholoe inornata	0	30	0	60	20
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0

Taxonomic groups	Species	D - 5	D - 6	D - 7	D - 8	D - 9
Polychaeta	Phyllodoce maculata	0	0	0	0	0
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	40	110	10	200	70
Polychaeta	Spio filicornis	0	60	10	110	10
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	40	10	0	10	10
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	40	20	0	0	10
Bivalvia	Astarte borealis	10	10	0	0	0
Bivalvia	Chamelia striatula	0	0	0	0	10
Bivalvia	Cochlodesma praetenue	0	10	0	0	0
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0	0	0	0	0
Bivalvia	Dosinia lupinus	0	0	0	0	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0	0	0	10	10
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Modiolus modiolus	0	0	50	30	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0	20	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	170	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	10	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0	0	30	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	0	0	0	0	0
Bivalvia	Tellina tenuis	0	0	0	0	0

Taxonomic groups	Species	D - 5	D - 6	D - 7	D - 8	D - 9
Bivalvia	Thracia papyracea	0	0	0	10	0
Bivalvia	Thyasira flexuosa	0	0	0	0	0
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	10	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	10	0	10	0
Crustacea	Ampelisca tenuicornis	50	110	210	120	50
Crustacea	Atylus vedlomensis	0	0	0	0	0
Crustacea	Bathyporeia elegans	380	340	0	140	290
Crustacea	Bathyporeia guilliamsoniana	80	110	0	0	10
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	10	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	10	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	30	0	0
Crustacea	Corophium crassicorne	0	30	100	0	0
Crustacea	Ericthonius brasiliensis	10	0	40	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0	0	10	0	0
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	10	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0

Taxonomic groups	Species	D - 5	D - 6	D - 7	D - 8	D - 9
Crustacea	Microdeutopus sp.	0	0	0	0	0
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0
Crustacea	Pontocrates arenarius	10	0	0	10	10
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	0	0	10
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0	0	0	0
Crustacea	Urothoe poseidonis	0	20	0	0	0
Echinodermata	Amphiura filiformis	0	40	60	160	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	0	0	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	30	20	10	0	10
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Edwardsia sp.	10	30	60	0	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	20	0
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	100	160	0	500	30
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	20	20	40	0	10
Polyplacophora	Lepidopleurus asellus	0	0	120	30	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Abundance (m^{-2})		**910**	**1540**	**880**	**1780**	**690**
Number of species ($0.1m^{-2}$)		**15**	**23**	**22**	**28**	**18**

Taxonomic groups	Species	D - 10	D - 11	D - 12	E - 1	E - 2
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0	30	20	50	0
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	70	0	0	0	10
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	0	0	0	20
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	10	0	0
Polychaeta	Eteone longa	10	20	0	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	10	0	0
Polychaeta	Glycera capitata	0	0	20	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	0	0	0	20	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	10	0	0	30
Polychaeta	Nephtys longosetosa	0	10	0	10	0
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	70	250	100	100	140
Polychaeta	Orbinia sertulata	0	0	0	0	0
Polychaeta	Owenia fusiformis	0	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	20	0	0	0	0
Polychaeta	Pholoe inornata	30	0	30	0	0
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0

Taxonomic groups	Species	D - 10	D - 11	D - 12	E - 1	E - 2
Polychaeta	Phyllodoce maculata	0	0	0	0	0
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	10	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	0	70	110	110	70
Polychaeta	Spio filicornis	0	60	20	20	50
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0	20	30	40	30
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	20	10	0	20	30
Bivalvia	Astarte borealis	10	0	0	0	20
Bivalvia	Chamelia striatula	0	0	0	0	10
Bivalvia	Cochlodesma praetenue	0	0	0	10	10
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0	0	0	0	0
Bivalvia	Dosinia lupinus	0	0	0	0	10
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0	0	10	0	10
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Modiolus modiolus	10	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	10
Bivalvia	Modiolarca subpicta	0	0	0	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	10	10	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	10
Bivalvia	Phaxas pellucidus	0	0	10	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellina fabula	0	10	0	0	0
Bivalvia	Tellina pygmaea	20	0	0	0	0
Bivalvia	Tellina tenuis	0	0	0	0	0

Taxonomic groups	Species	D - 10	D - 11	D - 12	E - 1	E - 2
Bivalvia	Thracia papyracea	30	30	20	10	0
Bivalvia	Thyasira flexuosa	0	0	0	0	0
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	10	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0	0	0	0
Crustacea	Ampelisca tenuicornis	120	40	70	20	100
Crustacea	Atylus vedlomensis	0	0	10	0	0
Crustacea	Bathyporeia elegans	20	170	80	100	130
Crustacea	Bathyporeia guilliamsoniana	0	0	0	10	70
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	0	0	0
Crustacea	Corophium crassicorne	0	10	0	0	0
Crustacea	Ericthonius brasiliensis	0	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	720	0	10	0	0
Crustacea	Leucothoe incisa	0	0	10	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	10	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0

Taxonomic groups	Species	D - 10	D - 11	D - 12	E - 1	E - 2
Crustacea	Microdeutopus sp.	0	0	0	0	0
Crustacea	Monoculodes carinatus	10	0	0	0	0
Crustacea	Oedicerotidae	30	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0
Crustacea	Pontocrates arenarius	0	0	10	10	30
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	0	0	20
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0	10	0	0
Crustacea	Urothoe poseidonis	0	0	0	10	50
Echinodermata	Amphiura filiformis	10	20	40	20	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	0	20	10	0	10
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	80	0	10	10	0
Echinodermata	Psamechinus miliaris	20	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Edwardsia sp.	0	70	0	10	20
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	40	0
Sipuncula	Sipunculus sp.	10	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	20
Phoronida	Phoronis sp.	0	90	70	80	150
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	450	30	30	30	30
Polyplacophora	Lepidopleurus asellus	40	0	0	10	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Abundance (m^{-2})		**1810**	**980**	**770**	**750**	**1090**
Number of species ($0.1m^{-2}$)		**22**	**20**	**26**	**23**	**26**

Taxonomic groups	Species	E - 3	E - 4	E - 5	E - 6	E - 7
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	10	0	0	0	0
Polychaeta	Ampharetidae	0	0	10	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	10	0
Polychaeta	Aonides paucibranchiata	0	0	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	0	0	20	0
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	30	0	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	20	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	0
Polychaeta	Glycera capitata	0	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	20
Polychaeta	Magelona alleni	0	20	0	0	0
Polychaeta	Magelona papillicornis	0	10	0	0	0
Polychaeta	Myriochele oculata	0	0	10	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	20	10	0	10	0
Polychaeta	Nephtys longosetosa	0	20	0	10	30
Polychaeta	Nereimyra punctata	0	0	0	0	10
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	100	250	110	30	80
Polychaeta	Orbinia sertulata	0	0	0	0	0
Polychaeta	Owenia fusiformis	0	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0	0	0	0	10
Polychaeta	Pholoe inornata	0	0	0	20	20
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0

Taxonomic groups	Species	E - 3	E - 4	E - 5	E - 6	E - 7
Polychaeta	Phyllodoce maculata	0	0	0	0	0
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	10
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	10	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	80	180	100	30	70
Polychaeta	Spio filicornis	0	30	50	0	0
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	10	60	0	0	10
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	10	20	20	10	10
Bivalvia	Astarte borealis	20	0	0	0	10
Bivalvia	Chamelia striatula	20	60	10	0	0
Bivalvia	Cochlodesma praetenue	0	40	0	0	0
Bivalvia	Corbula gibba	0	0	10	0	0
Bivalvia	Crenella decussata	0	0	0	20	10
Bivalvia	Dosinia lupinus	0	0	10	10	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0	10	0	0	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Modiolus modiolus	0	0	0	0	30
Bivalvia	Tellimya ferruginosa	0	20	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0	0	40
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0	10	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	0	0	0	0	30
Bivalvia	Tellina tenuis	0	20	10	0	0

Taxonomic groups	Species	E - 3	E - 4	E - 5	E - 6	E - 7
Bivalvia	Thracia papyracea	0	0	0	20	20
Bivalvia	Thyasira flexuosa	0	0	0	0	0
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	10	10	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	10
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	230	10	0	0
Crustacea	Ampelisca tenuicornis	0	20	40	20	80
Crustacea	Atylus vedlomensis	0	0	0	10	0
Crustacea	Bathyporeia elegans	260	720	460	190	80
Crustacea	Bathyporeia guilliamsoniana	10	10	30	70	50
Crustacea	Bathyporeia pilosa	0	30	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	10	0
Crustacea	Cheirocratus sundevalli	0	0	0	10	0
Crustacea	Corophium bonelli	0	0	0	0	70
Crustacea	Corophium crassicorne	10	0	10	0	40
Crustacea	Ericthonius brasiliensis	0	0	0	10	40
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0	0	0	10	10
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	10	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0

Taxonomic groups	Species	E - 3	E - 4	E - 5	E - 6	E - 7
Crustacea	Microdeutopus sp.	0	0	0	0	0
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	10
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	20
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0
Crustacea	Pontocrates arenarius	0	40	20	10	100
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	0	0	0
Crustacea	Tanaidacea	30	0	0	0	0
Crustacea	Urothoe elegans	0	0	0	0	0
Crustacea	Urothoe poseidonis	0	0	70	0	0
Echinodermata	Amphiura filiformis	0	0	10	10	0
Echinodermata	Asterias rubens	0	0	0	0	10
Echinodermata	Echinocardium cordatum	0	20	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	0	10	10	0	50
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Edwardsia sp.	0	20	30	10	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	30	0	0
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	140	490	110	20	0
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	10	20	20	10	90
Polyplacophora	Lepidopleurus asellus	0	0	0	10	60
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Abundance (m^{-2})		**730**	**2420**	**1210**	**610**	**1130**
Number of species ($0.1m^{-2}$)		**14**	**29**	**25**	**26**	**31**

Taxonomic groups	Species	E - 8	E - 9	E - 10	E - 11	F – 1
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	10	20	10	20	10
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	10	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Chaetozone setosa	10	10	10	20	10
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	10	10	0	0	0
Polychaeta	Eteone longa	0	0	0	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	90	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	10	0
Polychaeta	Glycera capitata	0	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	10	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	10	0	0	0
Polychaeta	Magelona alleni	0	0	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	10	10	0	0
Polychaeta	Nephtys longosetosa	0	30	0	0	0
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	50	100	70	70	30
Polychaeta	Orbinia sertulata	0	0	0	0	0
Polychaeta	Owenia fusiformis	0	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	20	0	10
Polychaeta	Pholoe balthica	0	0	40	0	0
Polychaeta	Pholoe inornata	0	30	0	10	10
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0

Taxonomic groups	Species	E - 8	E - 9	E - 10	E - 11	F – 1
Polychaeta	Phyllodoce maculata	0	0	0	0	10
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	10	0	0	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	50	0	0	0
Polychaeta	Prionospio fallax	0	0	10	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	60	70	40	30	80
Polychaeta	Spio filicornis	30	40	0	0	10
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0	0	10	0	0
Polychaeta	Travisia forbesi	0	0	10	0	0
Bivalvia	Abra prismatica	0	0	0	0	10
Bivalvia	Arctica islandica	0	10	10	0	10
Bivalvia	Astarte borealis	10	0	20	0	30
Bivalvia	Chamelia striatula	0	0	0	0	0
Bivalvia	Cochlodesma praetenue	0	10	20	10	0
Bivalvia	Corbula gibba	10	0	0	0	0
Bivalvia	Crenella decussata	10	0	110	0	0
Bivalvia	Dosinia lupinus	20	0	10	0	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	10	10	0	0	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Modiolus modiolus	0	30	0	0	30
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0	0	10
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	70	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0	0	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	40	0	30	0	0
Bivalvia	Tellina tenuis	0	0	0	0	0

Taxonomic groups	Species	E - 8	E - 9	E - 10	E - 11	F – 1
Bivalvia	Thracia papyracea	60	0	120	0	20
Bivalvia	Thyasira flexuosa	0	0	0	0	0
Bivalvia	Timoclea ovata	0	10	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	10
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	0	20
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	10	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0	10	0	0
Crustacea	Ampelisca tenuicornis	40	40	30	10	230
Crustacea	Atylus vedlomensis	10	0	0	0	0
Crustacea	Bathyporeia elegans	80	220	20	90	30
Crustacea	Bathyporeia guilliamsoniana	130	40	60	50	230
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	0	20
Crustacea	Cheirocratus sundevalli	0	0	0	0	10
Crustacea	Corophium bonelli	0	80	0	0	70
Crustacea	Corophium crassicorne	0	0	0	0	0
Crustacea	Ericthonius brasiliensis	0	30	0	0	10
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	30
Crustacea	Leptocheirus hirsutimanus	0	0	0	0	10
Crustacea	Leucothoe incisa	0	0	10	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0

Taxonomic groups	Species	E - 8	E - 9	E - 10	E - 11	F – 1
Crustacea	Microdeutopus sp.	0	0	0	0	0
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	10	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0
Crustacea	Pontocrates arenarius	0	10	0	10	100
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	10	0	10
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0	10	0	10
Crustacea	Urothoe poseidonis	0	0	0	0	0
Echinodermata	Amphiura filiformis	0	0	0	10	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	0	0	0	10	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	20	0	30	0	110
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	10	0	0
Echinodermata	Ophiopholis aculeata	0	10	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Edwardsia sp.	0	20	0	0	0
Plathyhelminthes	Turbellaria	0	0	0	0	10
Nemertea	Nemertini	0	0	0	0	0
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	150	30	30	40	60
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	80	0	50	0	70
Polyplacophora	Lepidopleurus asellus	40	0	30	0	20
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Abundance (m^{-2})		**880**	**1060**	**860**	**460**	**1340**
Number of species ($0.1m^{-2}$)		**21**	**30**	**30**	**15**	**33**

Taxonomic groups	Species	F - 2	F - 3	F - 4	F - 5	Fx - 6
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0	0	0	0	0
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	30	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	0	10	20
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	10	0	0	0
Polychaeta	Chone duneri	0	0	0	10	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	40	0
Polychaeta	Eteone longa	0	0	10	0	10
Polychaeta	Eunoe nodosa	0	0	0	30	0
Polychaeta	Exogone naidina	0	0	0	0	10
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	0
Polychaeta	Glycera capitata	0	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	20
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	20	0
Polychaeta	Magelona alleni	0	0	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	10	0	10	10	10
Polychaeta	Nephtys longosetosa	10	0	10	10	0
Polychaeta	Nereimyra punctata	0	0	0	20	0
Polychaeta	Nicolea zostericola	0	0	0	10	0
Polychaeta	Ophelia borealis	50	290	160	30	210
Polychaeta	Orbinia sertulata	10	0	0	0	10
Polychaeta	Owenia fusiformis	0	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	40	0
Polychaeta	Pholoe balthica	0	10	0	80	0
Polychaeta	Pholoe inornata	0	0	0	0	10
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0

Taxonomic groups	Species	F - 2	F - 3	F - 4	F - 5	Fx - 6
Polychaeta	Phyllodoce maculata	0	0	0	0	0
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	10
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	10	0
Polychaeta	Polycirrus medusa	0	0	0	30	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	10	0
Polychaeta	Pomatoceros triqueter	0	0	0	30	10
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	10	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	70	270	160	50	0
Polychaeta	Spio filicornis	40	70	20	10	0
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0	20	20	10	0
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	20	0	20	10	10
Bivalvia	Astarte borealis	20	0	0	0	0
Bivalvia	Chamelia striatula	0	20	10	0	0
Bivalvia	Cochlodesma praetenue	0	10	0	0	0
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	30	0	0	0	0
Bivalvia	Dosinia lupinus	30	0	0	0	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	10	20	0	0	0
Bivalvia	Heteranomia squamula	0	0	0	10	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Modiolus modiolus	0	0	0	130	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0	20	0
Bivalvia	Mya arenaria	0	0	0	10	0
Bivalvia	Kurtiella bidentata	0	10	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	10	0	0
Bivalvia	Parvicardium ovale	0	0	0	30	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0	20	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	10	0	0	20	10
Bivalvia	Tellina tenuis	0	0	0	0	0

Taxonomic groups	Species	F - 2	F - 3	F - 4	F - 5	Fx - 6
Bivalvia	Thracia papyracea	0	0	10	10	80
Bivalvia	Thyasira flexuosa	0	0	0	0	0
Bivalvia	Timoclea ovata	0	0	0	0	10
Gastropoda	Akera bullata	0	0	0	0	10
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	10	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	10	0
Gastropoda	Pollinices pulchellus	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	10	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0	20	0	0
Crustacea	Ampelisca tenuicornis	70	0	100	210	130
Crustacea	Atylus vedlomensis	0	0	0	0	0
Crustacea	Bathyporeia elegans	10	430	610	20	0
Crustacea	Bathyporeia guilliamsoniana	90	0	40	160	0
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	30	0	0	0
Crustacea	Caprella linearis	0	0	0	80	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	0	60
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	0	170	0
Crustacea	Corophium crassicorne	0	0	0	200	50
Crustacea	Ericthonius brasiliensis	0	0	0	120	0
Crustacea	Galathea intermedia	0	0	0	10	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	10
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	150	0
Crustacea	Leptocheirus hirsutimanus	0	0	0	0	370
Crustacea	Leucothoe incisa	0	0	0	0	10
Crustacea	Liocarcinus depurator	0	0	0	0	10
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	10	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0

Taxonomic groups	Species	F - 2	F - 3	F - 4	F - 5	Fx - 6
Crustacea	Microdeutopus sp.	0	0	0	0	0
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	60	20
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	10
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	20	0	0
Crustacea	Pontocrates arenarius	10	10	10	0	100
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	20	0	0
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0	0	10	0
Crustacea	Urothoe poseidonis	0	0	10	0	0
Echinodermata	Amphiura filiformis	0	0	40	20	0
Echinodermata	Asterias rubens	0	0	0	30	0
Echinodermata	Echinocardium cordatum	0	0	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	10	0	0	50	100
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	30	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Edwardsia sp.	0	0	20	0	0
Plathyhelminthes	Turbellaria	0	0	0	20	0
Nemertea	Nemertini	0	0	0	0	0
Sipuncula	Sipunculus sp.	0	0	0	10	10
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	80	140	280	10	0
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	70	0	20	30	250
Polyplacophora	Lepidopleurus asellus	0	0	0	270	70
Polyplacophora	Tonicella marmorea	0	0	0	10	0
Abundance (m^{-2})		**660**	**1340**	**1650**	**2440**	**1640**
Number of species ($0.1m^{-2}$)		**20**	**14**	**24**	**53**	**29**

Taxonomic groups	Species	F - 7	F - 8	F - 9	G - 1	G - 2
Polychaeta	Aglaophamus rubella	10	0	0	0	0
Polychaeta	Ampharete finmarchica	10	40	30	10	0
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	10	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	40	0	0	20	0
Polychaeta	Aricidea sueccica	0	0	0	0	10
Polychaeta	Chaetozone setosa	0	0	0	30	10
Polychaeta	Chone duneri	0	0	0	0	30
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	20	0	0	0	0
Polychaeta	Eteone longa	0	0	0	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	10
Polychaeta	Exogone naidina	0	0	20	10	0
Polychaeta	Gattyana cirrosa	0	0	0	0	10
Polychaeta	Glycera alba	10	0	20	0	0
Polychaeta	Glycera capitata	0	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	10
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	60	0	0	0	10
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	10
Polychaeta	Lepidonotus squamatus	30	0	0	0	0
Polychaeta	Magelona alleni	0	0	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	0	0	0	0
Polychaeta	Nephtys longosetosa	0	20	10	10	0
Polychaeta	Nereimyra punctata	0	0	0	10	0
Polychaeta	Nicolea zostericola	0	0	0	10	0
Polychaeta	Ophelia borealis	110	30	80	30	110
Polychaeta	Orbinia sertulata	0	0	0	20	0
Polychaeta	Owenia fusiformis	10	0	10	0	0
Polychaeta	Paraonis fulgens	10	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	30	0	20	0	30
Polychaeta	Pholoe inornata	10	20	20	0	80
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0

Taxonomic groups	Species	F - 7	F - 8	F - 9	G - 1	G - 2
Polychaeta	Phyllodoce maculata	0	0	0	0	0
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	10	0	0	0	0
Polychaeta	Polycirrus medusa	30	0	0	0	190
Polychaeta	Polydora caeca	0	0	0	10	0
Polychaeta	Polydora sp.	0	0	0	0	10
Polychaeta	Pomatoceros triqueter	0	10	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	20	30	10	60	60
Polychaeta	Spio filicornis	0	20	10	10	0
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0	10	20	0	0
Polychaeta	Travisia forbesi	10	0	0	10	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	0	0	0	20	20
Bivalvia	Astarte borealis	10	10	0	60	10
Bivalvia	Chamelia striatula	0	0	0	0	0
Bivalvia	Cochlodesma praetenue	0	0	0	0	0
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0	0	20	50	10
Bivalvia	Dosinia lupinus	0	0	0	10	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0	0	0	0	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	30	0	0	0	0
Bivalvia	Modiolus modiolus	80	0	0	0	10
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Modiolarca subpicta	120	0	0	60	70
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	10
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	10	10	10	0	10
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	10	0	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	0	0	10	10	10
Bivalvia	Tellina tenuis	0	0	0	0	0

Taxonomic groups	Species	F - 7	F - 8	F - 9	G - 1	G - 2
Bivalvia	Thracia papyracea	10	70	30	20	60
Bivalvia	Thyasira flexuosa	0	0	0	0	0
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	10	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	10
Gastropoda	Pollinices pulchellus	10	0	10	0	10
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0	0	0	0
Crustacea	Ampelisca tenuicornis	160	120	90	110	150
Crustacea	Atylus vedlomensis	0	0	0	0	10
Crustacea	Bathyporeia elegans	0	50	30	20	10
Crustacea	Bathyporeia guilliamsoniana	30	30	50	60	70
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	20	0	0
Crustacea	Cheirocratus sp.	0	0	0	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	130	0	0	0	0
Crustacea	Corophium crassicorne	40	30	0	0	0
Crustacea	Ericthonius brasiliensis	40	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	10	10
Crustacea	Gastrosaccus spinifer	0	10	0	10	10
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	50	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	140	40	50	0	0
Crustacea	Leucothoe incisa	0	30	0	0	0
Crustacea	Liocarcinus depurator	0	0	10	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	40	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	20

Taxonomic groups	Species	F - 7	F - 8	F - 9	G - 1	G - 2
Crustacea	Microdeutopus sp.	0	0	0	0	10
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	10	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	10	0	0
Crustacea	Pontocrates arenarius	50	0	0	70	0
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	0	10	0
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	20	10	0	120
Crustacea	Urothoe poseidonis	0	0	0	0	0
Echinodermata	Amphiura filiformis	0	0	0	0	10
Echinodermata	Asterias rubens	0	0	0	10	10
Echinodermata	Echinocardium cordatum	0	0	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	10	0
Echinodermata	Echinocyamus pusillus	60	50	30	20	200
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	20	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Edwardsia sp.	0	0	0	0	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	10	10
Sipuncula	Sipunculus sp.	20	0	0	0	40
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	0	30	60	10	110
Ascidiacea	Ascidiella adspersa	0	0	0	0	40
Cephalochordata	Branchiostoma lanceolatum	200	70	40	20	110
Polyplacophora	Lepidopleurus asellus	210	0	90	20	200
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Abundance (m^{-2})		**1900**	**760**	**830**	**860**	**1950**
Number of species ($0.1m^{-2}$)		**39**	**23**	**29**	**34**	**43**

Taxonomic groups	Species	G - 3	G - 4	G - 5	G - 6	G - 7
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	20	10	0	10	0
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	20	0	0	0
Polychaeta	Chone duneri	0	10	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	0	0	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	10	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	10	0
Polychaeta	Glycera capitata	0	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	40	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	0	0	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	20	10	10	10	0
Polychaeta	Nephtys longosetosa	0	0	20	0	0
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	150	200	120	20	40
Polychaeta	Orbinia sertulata	0	0	0	0	0
Polychaeta	Owenia fusiformis	0	20	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0	20	20	150	0
Polychaeta	Pholoe inornata	0	100	10	10	0
Polychaeta	Phyllodoce groenlandica	0	0	0	10	0

Taxonomic groups	Species	G - 3	G - 4	G - 5	G - 6	G - 7
Polychaeta	Phyllodoce maculata	0	0	0	0	0
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	10	10	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	110	60	20	90	60
Polychaeta	Spio filicornis	30	40	40	40	40
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	20	20	10	30	30
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	50	0	30	0	0
Bivalvia	Astarte borealis	30	10	20	0	0
Bivalvia	Chamelia striatula	0	0	0	0	10
Bivalvia	Cochlodesma praetenue	20	0	0	0	0
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	60	0	20	0	0
Bivalvia	Dosinia lupinus	10	0	10	0	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0	20	10	10	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	10	0	0
Bivalvia	Modiolus modiolus	0	0	20	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	70	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	10	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0	0	10	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	10	0	30	0	10
Bivalvia	Tellina tenuis	0	0	0	0	0

Taxonomic groups	Species	G - 3	G - 4	G - 5	G - 6	G - 7
Bivalvia	Thracia papyracea	0	60	80	0	20
Bivalvia	Thyasira flexuosa	0	0	0	0	0
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	10	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	10	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	10	0
Gastropoda	Mangelia coarctata	0	10	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	10	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	10	0	0	0
Crustacea	Ampelisca tenuicornis	0	170	80	150	60
Crustacea	Atylus vedlomensis	0	10	0	0	0
Crustacea	Bathyporeia elegans	270	420	210	50	190
Crustacea	Bathyporeia guilliamsoniana	40	20	40	0	60
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	20	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	110	0	0
Crustacea	Corophium crassicorne	0	260	10	0	0
Crustacea	Ericthonius brasiliensis	0	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	10	0	0
Crustacea	Isaeidae	0	0	0	40	0
Crustacea	Leptocheirus hirsutimanus	0	0	30	0	20
Crustacea	Leucothoe incisa	10	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	70	60	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0

Taxonomic groups	Species	G - 3	G - 4	G - 5	G - 6	G - 7
Crustacea	Microdeutopus sp.	0	0	0	0	0
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	10	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0
Crustacea	Pontocrates arenarius	0	0	0	0	0
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	20	0	10
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0	0	0	0
Crustacea	Urothoe poseidonis	0	0	0	0	0
Echinodermata	Amphiura filiformis	0	0	0	280	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	0	0	0	20	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	40	80	80	10	40
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Edwardsia sp.	10	10	0	50	10
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0	0
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	70	10	60	160	60
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	0	50	40	10	40
Polyplacophora	Lepidopleurus asellus	0	90	70	20	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Abundance (m^{-2})		**980**	**1830**	**1340**	**1340**	**700**
Number of species ($0.1m^{-2}$)		**19**	**29**	**33**	**28**	**16**

Taxonomic groups	Species	G - 8	H - 1	H - 2	H - 3	H - 4
Polychaeta	Aglaophamus rubella	0	0	0	10	0
Polychaeta	Ampharete finmarchica	60	0	10	50	0
Polychaeta	Ampharetidae	0	20	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	0	0	0	0
Polychaeta	Chone duneri	0	0	0	0	10
Polychaeta	Cirratulidae	0	0	0	10	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	0	0	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	30
Polychaeta	Glycera capitata	20	10	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	20	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	30	10
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	0	0	0	10	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	10	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	0	10	20	0
Polychaeta	Nephtys longosetosa	0	10	10	0	10
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	100	10	70	370	170
Polychaeta	Orbinia sertulata	0	0	0	0	0
Polychaeta	Owenia fusiformis	10	10	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	10	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	10	100	0	80	10
Polychaeta	Pholoe inornata	100	50	0	40	0
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0

Taxonomic groups	Species	G - 8	H - 1	H - 2	H - 3	H - 4
Polychaeta	Phyllodoce maculata	0	0	0	0	0
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	10	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	30	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	10	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	70	130	170	80	0
Polychaeta	Spio filicornis	30	20	50	40	10
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	50	10	50	20	0
Polychaeta	Travisia forbesi	10	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	0	10	0	10	0
Bivalvia	Astarte borealis	0	0	0	0	0
Bivalvia	Chamelia striatula	0	0	0	0	0
Bivalvia	Cochlodesma praetenue	0	0	0	0	0
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0	0	0	0	30
Bivalvia	Dosinia lupinus	0	0	10	0	0
Bivalvia	Ensis directus	10	0	0	0	0
Bivalvia	Gari fervensis	0	10	10	0	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	10	0	0	0
Bivalvia	Modiolus modiolus	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Kurtiella bidentata	20	230	0	10	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	50	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	20	0
Bivalvia	Parvicardium scabrum	0	10	0	10	0
Bivalvia	Phaxas pellucidus	10	50	10	0	0
Bivalvia	Spisula solida	0	0	0	0	20
Bivalvia	Tellina fabula	0	40	0	0	0
Bivalvia	Tellina pygmaea	0	0	0	0	40
Bivalvia	Tellina tenuis	0	0	0	0	0

Taxonomic groups	Species	G - 8	H - 1	H - 2	H - 3	H - 4
Bivalvia	Thracia papyracea	20	0	20	40	120
Bivalvia	Thyasira flexuosa	0	10	0	0	0
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	10	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	10	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Pollinices pulchellus	10	0	0	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	10
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Turritella communis	0	20	0	0	0
Crustacea	Ampelisca brevicornis	0	30	0	0	0
Crustacea	Ampelisca tenuicornis	40	190	50	260	100
Crustacea	Atylus vedlomensis	0	0	0	10	10
Crustacea	Bathyporeia elegans	20	40	560	410	0
Crustacea	Bathyporeia guilliamsoniana	0	0	0	50	20
Crustacea	Bathyporeia pilosa	0	30	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	10	0
Crustacea	Cheirocratus assimilis	0	0	0	10	0
Crustacea	Cheirocratus intermedius	0	0	0	10	10
Crustacea	Cheirocratus sp.	0	0	0	10	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	20	0	0	10	10
Crustacea	Corophium crassicorne	0	0	0	0	0
Crustacea	Ericthonius brasiliensis	0	10	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	10	0
Crustacea	Leptocheirus hirsutimanus	40	0	0	0	280
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	10	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0

Taxonomic groups	Species	G - 8	H - 1	H - 2	H - 3	H - 4
Crustacea	Microdeutopus sp.	0	50	0	0	0
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	10	0	0	0	20
Crustacea	Pontocrates arenarius	0	0	0	0	0
Crustacea	Pontocrates sp.	0	0	0	20	0
Crustacea	Siphonoectes kroyerianus	0	0	0	0	0
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	40	0	0	10	30
Crustacea	Urothoe poseidonis	10	0	190	10	0
Echinodermata	Amphiura filiformis	90	80	0	50	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	10	0	10	0	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	10	0	10	60	60
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	20
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	10	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Edwardsia sp.	0	0	20	0	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0	0
Sipuncula	Sipunculus sp.	0	0	0	0	10
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	100	80	100	80	0
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	80	0	10	160	120
Polyplacophora	Lepidopleurus asellus	150	0	0	140	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Abundance (m^{-2})		**1220**	**1360**	**1370**	**2190**	**1160**
Number of species ($0.1m^{-2}$)		**33**	**31**	**19**	**37**	**24**

Taxonomic groups	Species	H - 5	H - 6	I - 1	I - 2	I - 3
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0	0	20	0	0
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	0	0	0	20
Polychaeta	Chone duneri	10	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	0	0	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	0
Polychaeta	Glycera capitata	0	10	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	10	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	10	0	0	0
Polychaeta	Magelona alleni	10	10	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	20	0	10	10
Polychaeta	Nephtys longosetosa	0	0	0	0	10
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	160	10	130	200	140
Polychaeta	Orbinia sertulata	0	0	0	0	0
Polychaeta	Owenia fusiformis	0	10	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0	0	10	0	0
Polychaeta	Pholoe inornata	0	20	10	0	0
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0

Taxonomic groups	Species	H - 5	H - 6	I - 1	I - 2	I - 3
Polychaeta	Phyllodoce maculata	0	0	0	0	0
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	10	0	0	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	10	0	0	0
Polychaeta	Pomatoceros triqueter	0	30	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	30	160	90	10	40
Polychaeta	Spio filicornis	40	40	30	0	10
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	20	10	30	0	0
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	10	0	10	10	10
Bivalvia	Astarte borealis	10	0	0	80	0
Bivalvia	Chamelia striatula	20	0	10	0	0
Bivalvia	Cochlodesma praetenue	10	0	40	10	30
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0	0	0	20	0
Bivalvia	Dosinia lupinus	0	0	10	20	20
Bivalvia	Ensis directus	0	0	0	10	0
Bivalvia	Gari fervensis	10	10	10	30	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	20	0	0	0
Bivalvia	Modiolus modiolus	0	70	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	30	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	20	10	0	10
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellina fabula	40	0	10	10	0
Bivalvia	Tellina pygmaea	0	0	0	40	10
Bivalvia	Tellina tenuis	0	0	10	0	0

Taxonomic groups	Species	H - 5	H - 6	I - 1	I - 2	I - 3
Bivalvia	Thracia papyracea	30	10	50	0	0
Bivalvia	Thyasira flexuosa	0	0	0	0	0
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	10	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	10	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	20	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Turritella communis	0	0	20	0	0
Crustacea	Ampelisca brevicornis	0	0	20	0	0
Crustacea	Ampelisca tenuicornis	80	60	140	70	30
Crustacea	Atylus vedlomensis	0	10	0	0	0
Crustacea	Bathyporeia elegans	170	0	230	90	430
Crustacea	Bathyporeia guilliamsoniana	30	0	0	90	50
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	20
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	10	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	110	0	0	0
Crustacea	Corophium crassicorne	0	0	0	0	0
Crustacea	Ericthonius brasiliensis	0	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	10	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0	0	0	80	0
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	40	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0

Taxonomic groups	Species	H - 5	H - 6	I - 1	I - 2	I - 3
Crustacea	Microdeutopus sp.	0	0	0	0	0
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	10	0	0
Crustacea	Pontocrates arenarius	0	0	20	0	0
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	30	0	10
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0	0	0	0
Crustacea	Urothoe poseidonis	20	0	0	0	0
Echinodermata	Amphiura filiformis	0	30	0	0	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	0	20	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	10	0
Echinodermata	Echinocyamus pusillus	0	0	50	50	20
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	30	0	0	0
Echinodermata	Ophiothrix fragilis	0	20	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Edwardsia sp.	10	30	0	0	30
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0	0
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	140	80	50	0	50
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	0	0	10	100	0
Polyplacophora	Lepidopleurus asellus	0	200	0	0	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Abundance (m^{-2})		**850**	**1150**	**1110**	**950**	**950**
Number of species ($0.1m^{-2}$)		**19**	**32**	**29**	**20**	**19**

Taxonomic groups	Species	I - 4	I - 5	J - 1	J - 2	J - 3
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	20	0	10	0	10
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	10	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	30	30	0	0
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	0	0	10	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	10	0	0	0
Polychaeta	Glycera capitata	10	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	0	0	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	10
Polychaeta	Nephtys caeca	0	0	0	0	0
Polychaeta	Nephtys longosetosa	0	0	20	30	0
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	330	110	100	140	70
Polychaeta	Orbinia sertulata	0	10	0	0	0
Polychaeta	Owenia fusiformis	0	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0	0	0	0	10
Polychaeta	Pholoe inornata	10	0	10	10	0
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0

Taxonomic groups	Species	I - 4	I - 5	J - 1	J - 2	J - 3
Polychaeta	Phyllodoce maculata	0	0	0	0	0
Polychaeta	Phyllodoce sp.	0	0	10	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0	10	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	120	50	40	110	180
Polychaeta	Spio filicornis	0	20	10	120	40
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0	40	30	0	30
Polychaeta	Travisia forbesi	10	0	10	0	10
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	0	0	10	0	0
Bivalvia	Astarte borealis	10	30	20	0	0
Bivalvia	Chamelia striatula	0	0	0	0	0
Bivalvia	Cochlodesma praetenue	0	0	0	0	0
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0	20	0	0	0
Bivalvia	Dosinia lupinus	0	0	10	10	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	10	0	20	0	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Modiolus modiolus	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	20
Bivalvia	Modiolarca subpicta	0	0	0	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0	0	0	10
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellina fabula	0	0	0	20	0
Bivalvia	Tellina pygmaea	0	10	0	10	0
Bivalvia	Tellina tenuis	0	0	10	0	0

Taxonomic groups	Species	I - 4	I - 5	J - 1	J - 2	J - 3
Bivalvia	Thracia papyracea	0	0	50	30	0
Bivalvia	Thyasira flexuosa	0	0	0	0	0
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	10	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	10	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0	0	0	10
Crustacea	Ampelisca tenuicornis	40	200	110	50	20
Crustacea	Atylus vedlomensis	0	0	0	0	0
Crustacea	Bathyporeia elegans	420	50	90	250	130
Crustacea	Bathyporeia guilliamsoniana	20	40	50	50	0
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	20	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	10	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	10	0	0
Crustacea	Corophium crassicorne	0	0	10	0	0
Crustacea	Ericthonius brasiliensis	0	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0	20	140	0	0
Crustacea	Leucothoe incisa	0	0	20	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0

Taxonomic groups	Species	I - 4	I - 5	J - 1	J - 2	J - 3
Crustacea	Microdeutopus sp.	0	0	0	0	0
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0
Crustacea	Pontocrates arenarius	0	0	10	0	0
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	10	0	0	10
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	50	30	30	0	10
Crustacea	Urothoe poseidonis	30	0	0	30	0
Echinodermata	Amphiura filiformis	10	10	0	0	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	0	0	0	10	10
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	30	60	100	0	0
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Edwardsia sp.	10	20	0	40	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	10	0
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	50	10	30	160	110
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	10	90	30	10	30
Polyplacophora	Lepidopleurus asellus	0	20	70	0	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Abundance (m^{-2})		**1220**	**900**	**1120**	**1100**	**720**
Number of species ($0.1m^{-2}$)		**20**	**23**	**32**	**19**	**18**

Taxonomic groups	Species	J - 4	K - 1	K - 2	K - 3	L – 1
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0	0	20	0	0
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Chaetozone setosa	20	0	30	0	0
Polychaeta	Chone duneri	0	0	10	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	0	10	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	10
Polychaeta	Glycera capitata	0	0	0	10	0
Polychaeta	Glycinde nordmanni	0	0	0	10	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	10	10	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	10
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	0	0	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	10	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	10	0	0	0
Polychaeta	Nephtys longosetosa	0	0	0	0	0
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	20	100	50	120	60
Polychaeta	Orbinia sertulata	0	10	0	10	0
Polychaeta	Owenia fusiformis	0	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0	0	50	0	0
Polychaeta	Pholoe inornata	10	0	40	60	0

Taxonomic groups	Species	J - 4	K - 1	K - 2	K - 3	L – 1
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0
Polychaeta	Phyllodoce maculata	0	0	0	0	0
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	10	0	10
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0	10	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	20	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	10	20	60	40	40
Polychaeta	Spio filicornis	0	20	10	0	20
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0	0	10	0	20
Polychaeta	Travisia forbesi	0	0	10	0	10
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	20	0	0	0	20
Bivalvia	Astarte borealis	10	10	10	0	0
Bivalvia	Chamelia striatula	0	0	0	0	0
Bivalvia	Cochlodesma praetenue	0	10	0	0	0
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0	10	10	30	0
Bivalvia	Dosinia lupinus	0	0	0	0	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0	0	0	0	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Modiolus modiolus	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0	30	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0	0	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	0	0	0	10	0

Taxonomic groups	Species	J - 4	K - 1	K - 2	K - 3	L – 1
Bivalvia	Tellina tenuis	0	0	0	0	0
Bivalvia	Thracia papyracea	0	20	10	30	10
Bivalvia	Thyasira flexuosa	0	0	0	0	0
Bivalvia	Timoclea ovata	0	10	10	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	20	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0	0	0	0
Crustacea	Ampelisca tenuicornis	10	330	340	250	150
Crustacea	Atylus vedlomensis	0	0	0	0	10
Crustacea	Bathyporeia elegans	30	30	10	30	20
Crustacea	Bathyporeia guilliamsoniana	50	80	10	60	40
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	10	0
Crustacea	Cheirocratus sundevalli	0	0	0	20	0
Crustacea	Corophium bonelli	0	0	0	0	0
Crustacea	Corophium crassicorne	0	90	30	80	20
Crustacea	Ericthonius brasiliensis	0	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	30	0	30
Crustacea	Leptocheirus hirsutimanus	20	160	90	240	130
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0

Taxonomic groups	Species	J - 4	K - 1	K - 2	K - 3	L – 1
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0
Crustacea	Microdeutopus sp.	0	0	0	0	0
Crustacea	Monoculodes carinatus	0	0	0	10	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	10
Crustacea	Pontocrates arenarius	20	0	0	20	0
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	0	10	0
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	20	0	60	160	0
Crustacea	Urothoe poseidonis	0	0	0	10	0
Echinodermata	Amphiura filiformis	10	20	30	10	10
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	10	0	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	30	170	40	120	120
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Edwardsia sp.	0	10	0	0	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0	0
Sipuncula	Sipunculus sp.	10	0	10	10	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	40	0	0	0	0
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	20	30	10	140	20
Polyplacophora	Lepidopleurus asellus	10	90	40	70	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Abundance (m^{-2})		**370**	**1230**	**1130**	**1600**	**770**
Number of species ($0.1m^{-2}$)		**19**	**20**	**33**	**28**	**21**

Taxonomic groups	Species	Total (80 stations)	% Total	Recorded at No. of stations	Present in % of stations
Polychaeta	Aglaophamus rubella	20	0.023	2	2.5
Polychaeta	Ampharete finmarchica	920	1.055	41	51.25
Polychaeta	Ampharetidae	30	0.034	2	2.5
Polychaeta	Amphitrite cirrata	50	0.057	3	3.75
Polychaeta	Bylgides sarsi	30	0.034	3	3.75
Polychaeta	Aonides paucibranchiata	230	0.264	11	13.75
Polychaeta	Aricidea sueccica	10	0.011	1	1.25
Polychaeta	Chaetozone setosa	540	0.619	27	33.75
Polychaeta	Chone duneri	80	0.092	6	7.5
Polychaeta	Cirratulidae	10	0.011	1	1.25
Polychaeta	Cirratulus cirratus	90	0.103	5	6.25
Polychaeta	Eteone longa	200	0.229	14	17.5
Polychaeta	Eunoe nodosa	50	0.057	3	3.75
Polychaeta	Exogone naidina	160	0.183	6	7.5
Polychaeta	Gattyana cirrosa	20	0.023	2	2.5
Polychaeta	Glycera alba	120	0.138	9	11.25
Polychaeta	Glycera capitata	100	0.115	8	10
Polychaeta	Glycinde nordmanni	20	0.023	2	2.5
Polychaeta	Goniada maculata	80	0.092	3	3.75
Polychaeta	Goniadella bobretzkii	120	0.138	6	7.5
Polychaeta	Harmothoe antilopes	10	0.011	1	1.25
Polychaeta	Harmothoe imbricata	10	0.011	1	1.25
Polychaeta	Harmothoe sp.	10	0.011	1	1.25
Polychaeta	Heteromastus filiformis	10	0.011	1	1.25
Polychaeta	Hydroides norvegica	60	0.069	4	5
Polychaeta	Lepidonotus squamatus	90	0.103	5	6.25
Polychaeta	Magelona alleni	220	0.252	13	16.25
Polychaeta	Magelona papillicornis	10	0.011	1	1.25
Polychaeta	Myriochele oculata	70	0.080	7	8.75
Polychaeta	Nephtys assimilis	20	0.023	2	2.5
Polychaeta	Nephtys caeca	460	0.527	32	40
Polychaeta	Nephtys longosetosa	500	0.573	35	43.75
Polychaeta	Nereimyra punctata	70	0.080	5	6.25
Polychaeta	Nicolea zostericola	20	0.023	2	2.5
Polychaeta	Ophelia borealis	8720	9.997	79	98.75
Polychaeta	Orbinia sertulata	100	0.115	9	11.25
Polychaeta	Owenia fusiformis	100	0.115	9	11.25
Polychaeta	Paraonis fulgens	10	0.011	1	1.25
Polychaeta	Pectinaria koreni	20	0.023	2	2.5
Polychaeta	Pherusa plumosa	90	0.103	5	6.25
Polychaeta	Pholoe balthica	820	0.940	23	28.75
Polychaeta	Pholoe inornata	1010	1.158	36	45

Taxonomic groups	Species	Total (80 stations)	% Total	Recorded at No. of stations	Present in % of stations
Polychaeta	Phyllodoce groenlandica	20	0.023	2	2.5
Polychaeta	Phyllodoce maculata	10	0.011	1	1.25
Polychaeta	Phyllodoce sp.	10	0.011	1	1.25
Polychaeta	Pisione remota	20	0.023	2	2.5
Polychaeta	Pista cristata	20	0.023	2	2.5
Polychaeta	Platynereis dumerili	60	0.069	6	7.5
Polychaeta	Polycirrus medusa	290	0.332	7	8.75
Polychaeta	Polydora caeca	10	0.011	1	1.25
Polychaeta	Polydora sp.	30	0.034	3	3.75
Polychaeta	Pomatoceros triqueter	230	0.264	9	11.25
Polychaeta	Prionospio fallax	10	0.011	1	1.25
Polychaeta	Pseudopolydora pulchra	20	0.023	2	2.5
Polychaeta	Pygospio elegans	10	0.011	1	1.25
Polychaeta	Scalibregma inflatum	10	0.011	1	1.25
Polychaeta	Scoloplos armiger	6620	7.589	77	96.25
Polychaeta	Spio filicornis	2010	2.304	62	77.5
Polychaeta	Spio sp.	30	0.034	2	2.5
Polychaeta	Spiophanes bombyx	1080	1.238	47	58.75
Polychaeta	Travisia forbesi	90	0.103	9	11.25
Bivalvia	Abra prismatica	10	0.011	1	1.25
Bivalvia	Arctica islandica	970	1.112	52	65
Bivalvia	Astarte borealis	760	0.871	32	40
Bivalvia	Chamelia striatula	410	0.470	24	30
Bivalvia	Cochlodesma praetenue	370	0.424	18	22.5
Bivalvia	Corbula gibba	50	0.057	5	6.25
Bivalvia	Crenella decussata	930	1.066	21	26.25
Bivalvia	Dosinia lupinus	280	0.321	21	26.25
Bivalvia	Ensis directus	30	0.034	3	3.75
Bivalvia	Gari fervensis	300	0.344	25	31.25
Bivalvia	Heteranomia squamula	10	0.011	1	1.25
Bivalvia	Hiatella arctica	80	0.092	5	6.25
Bivalvia	Modiolus modiolus	500	0.573	12	15
Bivalvia	Tellimya ferruginosa	80	0.092	6	7.5
Bivalvia	Modiolarca subpicta	480	0.550	10	12.5
Bivalvia	Mya arenaria	10	0.011	1	1.25
Bivalvia	Kurtiella bidentata	550	0.631	10	12.5
Bivalvia	Mytilus edulis	70	0.080	1	1.25
Bivalvia	Nucula nitidosa	160	0.183	6	7.5
Bivalvia	Parvicardium ovale	100	0.115	7	8.75
Bivalvia	Parvicardium scabrum	30	0.034	3	3.75
Bivalvia	Phaxas pellucidus	270	0.310	17	21.25
Bivalvia	Spisula solida	20	0.023	1	1.25
Bivalvia	Tellina fabula	190	0.218	8	10

Taxonomic groups	Species	Total (80 stations)	% Total	Recorded at No. of stations	Present in % of stations
Bivalvia	Tellina pygmaea	430	0.493	23	28.75
Bivalvia	Tellina tenuis	310	0.355	6	7.5
Bivalvia	Thracia papyracea	1460	1.674	46	57.5
Bivalvia	Thyasira flexuosa	30	0.034	2	2.5
Bivalvia	Timoclea ovata	40	0.046	4	5
Gastropoda	Akera bullata	10	0.011	1	1.25
Gastropoda	Aporrhais pespelicani	10	0.011	1	1.25
Gastropoda	Buccinum undatum	40	0.046	4	5
Gastropoda	Capulus ungaricus	10	0.011	1	1.25
Gastropoda	Cylichna cylindracea	60	0.069	6	7.5
Gastropoda	Diaphana minuta	10	0.011	1	1.25
Gastropoda	Epitonium turtonis	10	0.011	1	1.25
Gastropoda	Gibbula tumida	20	0.023	2	2.5
Gastropoda	Pollinices pulchellus	150	0.172	13	16.25
Gastropoda	Mangelia coarctata	20	0.023	2	2.5
Gastropoda	Onoba semicostata	20	0.023	2	2.5
Gastropoda	Philine punctata	10	0.011	1	1.25
Gastropoda	Testudinalia testudinalis	30	0.034	2	2.5
Gastropoda	Tectura virginea	10	0.011	1	1.25
Gastropoda	Turritella communis	40	0.046	2	2.5
Crustacea	Ampelisca brevicornis	410	0.470	13	16.25
Crustacea	Ampelisca tenuicornis	6510	7.463	74	92.5
Crustacea	Atylus vedlomensis	110	0.126	11	13.75
Crustacea	Bathyporeia elegans	12750	14.617	73	91.25
Crustacea	Bathyporeia guilliamsoniana	3330	3.817	59	73.75
Crustacea	Bathyporeia pilosa	230	0.264	3	3.75
Crustacea	Bathyporeia sp.	80	0.092	4	5
Crustacea	Caprella linearis	100	0.115	3	3.75
Crustacea	Cheirocratus assimilis	40	0.046	3	3.75
Crustacea	Cheirocratus intermedius	70	0.080	5	6.25
Crustacea	Cheirocratus sp.	180	0.206	11	13.75
Crustacea	Cheirocratus sundevalli	40	0.046	3	3.75
Crustacea	Corophium bonelli	880	1.009	15	18.75
Crustacea	Corophium crassicorne	1070	1.227	20	25
Crustacea	Ericthonius brasiliensis	360	0.413	10	12.5
Crustacea	Galathea intermedia	30	0.034	3	3.75
Crustacea	Gastrosaccus spinifer	90	0.103	9	11.25
Crustacea	Hippomedon denticulatus	30	0.034	3	3.75
Crustacea	Iphimedia obesa	10	0.011	1	1.25
Crustacea	Isaeidae	340	0.390	7	8.75
Crustacea	Leptocheirus hirsutimanus	2880	3.302	27	33.75
Crustacea	Leucothoe incisa	90	0.103	6	7.5
Crustacea	Liocarcinus depurator	50	0.057	4	5

Taxonomic groups	Species	Total (80 stations)	% Total	Recorded at No. of stations	Present in % of stations
Crustacea	Megaluropus agilis	30	0.034	3	3.75
Crustacea	Megamphopus cornutus	230	0.264	6	7.5
Crustacea	Microdeutopus gryllotalpa	20	0.023	1	1.25
Crustacea	Microdeutopus sp.	60	0.069	2	2.5
Crustacea	Monoculodes carinatus	70	0.080	6	7.5
Crustacea	Oedicerotidae	30	0.034	1	1.25
Crustacea	Pagurus bernhardus	10	0.011	1	1.25
Crustacea	Pariambus typicus	90	0.103	3	3.75
Crustacea	Phoxocephalus holboelli	30	0.034	3	3.75
Crustacea	Phthisica marina	70	0.080	6	7.5
Crustacea	Pinnotheres pisum	10	0.011	1	1.25
Crustacea	Pontocrates altamarinus	100	0.115	8	10
Crustacea	Pontocrates arenarius	1180	1.353	41	51.25
Crustacea	Pontocrates sp.	20	0.023	1	1.25
Crustacea	Siphonoectes kroyerianus	350	0.401	21	26.25
Crustacea	Tanaidacea	50	0.057	3	3.75
Crustacea	Urothoe elegans	640	0.734	18	22.5
Crustacea	Urothoe poseidonis	480	0.550	14	17.5
Echinodermata	Amphiura filiformis	1220	1.399	30	37.5
Echinodermata	Asterias rubens	60	0.069	4	5
Echinodermata	Echinocardium cordatum	240	0.275	17	21.25
Echinodermata	Echinocardium flavescens	20	0.023	2	2.5
Echinodermata	Echinocyamus pusillus	2410	2.763	53	66.25
Echinodermata	Psamechinus miliaris	20	0.023	1	1.25
Echinodermata	Spatangus purpureus	30	0.034	2	2.5
Echinodermata	Ophiopholis aculeata	100	0.115	5	6.25
Echinodermata	Ophiothrix fragilis	30	0.034	2	2.5
Echinodermata	Martasterias glacialis	10	0.011	1	1.25
Cnidaria	Edwardsia sp.	840	0.963	35	43.75
Plathyhelminthes	Turbellaria	30	0.034	2	2.5
Nemertea	Nemertini	160	0.183	9	11.25
Sipuncula	Sipunculus sp.	130	0.149	9	11.25
Pycnogonida	Pycnogonida indet	40	0.046	3	3.75
Phoronida	Phoronis sp.	7440	8.529	68	85
Ascidiacea	Ascidiella adspersa	40	0.046	1	1.25
Cephalochordata	Branchiostoma lanceolatum	3730	4.276	63	78.75
Polyplacophora	Lepidopleurus asellus	2250	2.579	29	36.25
Polyplacophora	Tonicella marmorea	10	0.011	1	1.25
Abundance: Total (80 stations)		**87230**	**100**		
Number of species: Total (80 stations)		**166**			

Appendix 4 Biomass (g dry weight m^{-2}) of the benthic fauna in the project area

Taxonomic group	Species	A - 1	A - 2	A – 3	B - 1	B - 2
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0	0	0	0	0
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Chaetozone setosa	0.0173	0	0	0	0.0195
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	0	0	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	0
Polychaeta	Glycera capitata	0	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0.0266	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	0	0	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0.0287	0.0224	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	0.322	0	0	0
Polychaeta	Nephtys longosetosa	0	0	0	0.054	0.0153
Polychaeta	Nereimyra punctata	0	0	0.1509	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	0.2574	0.1005	0.2616	0.2903	0.0037
Polychaeta	Orbinia sertulata	0	0	0	0	0.395
Polychaeta	Owenia fusiformis	0.0173	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0	0	0	0	0
Polychaeta	Pholoe inornata	0	0.0028	0.0026	0	0
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0

Taxonomic group	Species	A - 1	A - 2	A – 3	B - 1	B - 2
Polychaeta	Phyllodoce maculata	0	0	0	0	0
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0.0572	0	0
Polychaeta	Scoloplos armiger	0.2151	0.2306	0.3265	0.1481	0.0933
Polychaeta	Spio filicornis	0.009	0.0206	0	0.047	0.0085
Polychaeta	Spio sp.	0	0	0.0022	0	0
Polychaeta	Spiophanes bombyx	0.0609	0.056	0	0	0
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	625.4803	0.2203	0.1472	296.4774	375.3434
Bivalvia	Astarte borealis	0	3.549	0	0	0.4688
Bivalvia	Chamelia striatula	3.295	0	5.1903	8.7783	0
Bivalvia	Cochlodesma praetenue	1.9468	0	1.5061	0	0.8361
Bivalvia	Corbula gibba	0	0	0.0219	0	0
Bivalvia	Crenella decussata	0	0	0	0	0.1203
Bivalvia	Dosinia lupinus	0	0	0	0	8.7893
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0	0.0709	0	0	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0.0064	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0	0	0
Bivalvia	Modiolus modiolus	0	0	0	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0	0	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Tellina fibula	0	0	0	0	0
Bivalvia	Tellina pygmaea	0	0	0	0	0
Bivalvia	Tellina tenuis	0	0	0	0	0
Bivalvia	Thracia papyracea	0	0	0	0	0

Taxonomic group	Species	A - 1	A - 2	A – 3	B - 1	B - 2
Bivalvia	Thyasira flexuosa	0	0	0	0	0
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	0.2432	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0	0	0	0
Crustacea	Ampelisca tenuicornis	0.001	0.0064	0.012	0.0075	0.0132
Crustacea	Atylus vedlomensis	0	0.0031	0	0	0
Crustacea	Balanus balanus	0	0	0	0	0
Crustacea	Balanus crenatus	0	0	0	0	0
Crustacea	Bathyporeia elegans	0.0372	0.0717	0	0.0469	0.0338
Crustacea	Bathyporeia guilliamsoniana	0.1009	0.0071	0.0626	0.0135	0.0738
Crustacea	Bathyporeia pilosa	0	0	0.0587	0	0
Crustacea	Bathyporeia sp.	0	0	0.001	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0.0026	0	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	0	0	0
Crustacea	Corophium crassicorne	0	0	0	0.0038	0
Crustacea	Ericthonius brasiliensis	0	0.0028	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0.0419	0.0653	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0	0.0043	0	0	0
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0

Taxonomic group	Species	A - 1	A - 2	A – 3	B - 1	B - 2
Crustacea	Microdeutopus sp.	0	0	0	0	0
Crustacea	Monoculodes carinatus	0	0	0	0	0.0257
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0
Crustacea	Pontocrates arenarius	0	0.0044	0.0035	0.0012	0.0056
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	0	0	0.0011
Crustacea	Tanaidacea	0	0	0.001	0	0.0016
Crustacea	Urothoe elegans	0	0	0	0	0
Crustacea	Urothoe poseidonis	0	0	0	0	0
Echinodermata	Amphiura filiformis	0	0	0	0	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	0	0	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	0	0	0	0.0077	0.0791
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Abietinaria abietina	0	0	0	0	0
Cnidaria	Alcyonium digitatum	0	0	0	0	0
Cnidaria	Edwardsia sp.	0.0358	0.0296	0.0141	0.0745	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0	0
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	4.438	1.873	1.3309	3.2603	4.6024
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	0	0	0.2595	0.0985	0.6054
Polyplacophora	Lepidopleurus asellus	0	0	0	0	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Porifera	Cliona celata	0	0	0	0	0
Biomass gDWm^{-2}		**635.9539**	**6.7047**	**9.4322**	**309.5522**	**391.5349**

Taxonomic group	Species	Bx - 3	B - 4	B - 5	B - 6	B - 7
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0.004	0.0026	0.0194	0	0.0322
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Bylgides sarsi	0.001	0	0	0	0.001
Polychaeta	Chaetozone setosa	0	0	0	0.0028	0.0013
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	0.0011	0.001	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	0
Polychaeta	Glycera capitata	0	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	0.0088	0.055	0.0246	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	0	0.4273	0	0.8382
Polychaeta	Nephtys longosetosa	0.1103	0.0196	0.0502	0.2707	0
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	0.1477	0.0078	0.1349	0.1916	0.5683
Polychaeta	Orbinia sertulata	0	0	0	0	0
Polychaeta	Owenia fusiformis	0	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0	0	0	0	0.0015
Polychaeta	Pholoe inornata	0	0	0	0	0.0035
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0

Polychaeta	Phyllodoce maculata	0	0	0	0	0
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	0.229	0.1624	0.3599	0.2737	0.0573
Polychaeta	Spio filicornis	0.0296	0.0259	0.0317	0.0197	0
Polychaeta	Spio sp.	0	0.0824	0	0	0
Polychaeta	Spiophanes bombyx	0.005	0.0936	0.0277	0	0.0057
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	0.2856	0	410.4228	378.5125	0
Bivalvia	Astarte borealis	0	0	0	0	0.5488
Bivalvia	Chamelia striatula	9.8823	2.9236	16.1649	0.1518	0
Bivalvia	Cochlodesma praetenue	0	0	0	0	0
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0	0	0	0	0
Bivalvia	Dosinia lupinus	0	0	0	0	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0.0298	0	0	0	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0	0	0
Bivalvia	Modiolus modiolus	0	0	0	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0	0	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Tellina fabula	1.6614	0	0	0	0
Bivalvia	Tellina pygmaea	0	0	0	0	0.258
Bivalvia	Tellina tenuis	0	0	0	0	0
Bivalvia	Thracia papyracea	1.2414	0	0.0754	0	0.3544
Bivalvia	Thyasira flexuosa	0	0	0	0	0

Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	41.2065	0
Gastropoda	Buccinum undatum	0	0	0	0	0.3416
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	0	0.8798
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0.0205	0	0	0	0
Crustacea	Ampelisca tenuicornis	0.0019	0	0	0.0239	0.0193
Crustacea	Atylus vedlomensis	0	0	0	0	0
Crustacea	Balanus balanus	0	0	0	0	0
Crustacea	Balanus crenatus	0	0	0	0	0
Crustacea	Bathyporeia elegans	0.0432	0.0359	0.0756	0.0923	0
Crustacea	Bathyporeia guilliamsoniana	0.0176	0	0.0231	0.0103	0
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0.0204	0	0	0	0
Crustacea	Cheirocratus sp.	0.0055	0	0	0.0149	0.0098
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	0.0024	0	0
Crustacea	Corophium crassicorne	0	0	0	0.0049	0.0036
Crustacea	Ericthonius brasiliensis	0	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0.0263	0	0.0329	0	0
Crustacea	Hippomedon denticulatus	0.0293	0	0	0.0752	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0	0	0	0	0.0544
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0
Crustacea	Microdeutopus sp.	0	0	0	0	0
Crustacea	Monoculodes carinatus	0	0	0	0	0

Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0.0027
Crustacea	Phthisica marina	0.0015	0	0	0.0033	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0.0049	0	0
Crustacea	Pontocrates arenarius	0	0.0015	0.0058	0.0012	0
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0.0012	0	0	0
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0	0	0	0
Crustacea	Urothoe poseidonis	0	0	0	0	0
Echinodermata	Amphiura filiformis	0	0	0	0	1.058
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	45.1226	0	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	0.0051	0	0	0.0045	0.5956
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Abietinaria abietina	0	0	0	0	0
Cnidaria	Alcyonium digitatum	0	0	0	0	0
Cnidaria	Edwardsia sp.	0.0388	0.0179	0	0.0063	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0.0041	0	0	0.0094
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	0.5518	0.0114	2.1046	2.2405	0.7134
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	0	0	0.0023	0.141	0.6881
Polyplacophora	Lepidopleurus asellus	0	0	0	0	0.3512
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Porifera	Cliona celata	0	0	0	0	0
Biomass gDWm^{-2}		**59.5204**	**3.446**	**429.9914**	**423.2476**	**7.3971**

Taxonomic group	Species	C - 1	C - 2	C - 3	C - 4	C – 5
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0.044	0	0	0.0307	0.022
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	0.0119	0.0056	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Chaetozone setosa	0.01	0.0044	0.0062	0.0032	0
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0.001	0	0	0	0
Polychaeta	Eunoe nodosa	0	0.0216	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	0
Polychaeta	Glycera capitata	0	0.015	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	0.008	0	0	0.0075	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	0	0	0	0.6119
Polychaeta	Nephtys longosetosa	0	0.6205	0.1406	0.22	0.0564
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	0.2773	1.0247	0.1624	0.6253	0.2363
Polychaeta	Orbinia sertulata	0	0	0.0903	0	0
Polychaeta	Owenia fusiformis	0	0	0.1007	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0.5598
Polychaeta	Pholoe balthica	0.001	0	0	0	0
Polychaeta	Pholoe inornata	0	0	0.0109	0.0058	0
Polychaeta	Phyllodoce groenlandica	0	0	0.0371	0	0
Polychaeta	Phyllodoce maculata	0	0	0	0	0

Taxonomic group	Species	C - 1	C - 2	C - 3	C - 4	C – 5
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0.0162
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0	0.0988
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	0.6878	0.2697	0.0116	0.4286	0.0596
Polychaeta	Spio filicornis	0.0734	0.0157	0.0044	0.0052	0.0178
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0.0958	0.1457	0	0.0439	0.0195
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	0.0999	517.4261	0.8138	1205.552	342.3568
Bivalvia	Astarte borealis	0	0	0.69	0	0
Bivalvia	Chamelia striatula	0	25.8211	0	0	29.6601
Bivalvia	Cochlodesma praetenue	0	0	0	0	0
Bivalvia	Corbula gibba	0.0194	0	0	0	0
Bivalvia	Crenella decussata	0	0	0.1571	0	0
Bivalvia	Dosinia lupinus	0	0.2397	0	0	0
Bivalvia	Ensis directus	0	0	0	0	0.4099
Bivalvia	Gari fervensis	0	0	0	0.0376	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0.0697
Bivalvia	Kurtiella bidentata	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0	0	0.1051
Bivalvia	Modiolus modiolus	0	0	0	0	643.4246
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0.9629	0	0	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0.0461	0	0	0	0
Bivalvia	Tellina fabula	0.6191	0	0	0	0
Bivalvia	Tellina pygmaea	0	0	0.4262	0	0
Bivalvia	Tellina tenuis	0	0	0	0	0
Bivalvia	Thracia papyracea	0	0	0.0748	0.8041	0
Bivalvia	Thyasira flexuosa	0	0	0	0	0

Taxonomic group	Species	C - 1	C - 2	C - 3	C - 4	C – 5
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	1.6524	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0.0516	0	0	0	0
Crustacea	Ampelisca tenuicornis	0.0046	0.0071	0.0136	0.0127	0.0112
Crustacea	Atylus vedlomensis	0	0	0	0	0
Crustacea	Balanus balanus	0	0	0	0	0
Crustacea	Balanus crenatus	0	0	0	0	0
Crustacea	Bathyporeia elegans	0.0626	0.0272	0.0176	0.0681	0.0459
Crustacea	Bathyporeia guilliamsoniana	0	0.0269	0.0471	0.0495	0.018
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	0.0045	0	0.0015
Crustacea	Corophium crassicorne	0	0	0	0	0
Crustacea	Ericthonius brasiliensis	0	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0.0737	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0	0	0.06	0	0
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0
Crustacea	Microdeutopus sp.	0	0	0	0	0

Taxonomic group	Species	C - 1	C - 2	C - 3	C - 4	C – 5
Crustacea	Monoculodes carinatus	0	0	0.016	0	0.001
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0.0043
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0
Crustacea	Pontocrates arenarius	0.0036	0	0.0232	0.001	0.001
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	0	0.0016	0
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0.0014	0	0	0
Crustacea	Urothoe poseidonis	0	0	0	0	0.0094
Echinodermata	Amphiura filiformis	0.6107	0	0	0	0.1654
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	138.7512	0	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	0.1586	0.109	0.2574	0	0
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0.6219
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	31.5402
Cnidaria	Abietinaria abietina	0	0	0	0	0
Cnidaria	Alcyonium digitatum	0	0	0	0	0
Cnidaria	Edwardsia sp.	0	0	0	0	0.054
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0	0.0074
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0.0038	0	0
Phoronida	Phoronis sp.	3.1367	1.3367	0.5413	9.5949	0.9074
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	0.1562	0.2995	1.1398	0.471	0.0623
Polyplacophora	Lepidopleurus asellus	0	0	0	0	0.5142
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Porifera	Cliona celata	0	0	0	0	0
Biomass gDWm^{-2}		**145.8815**	**547.412**	**4.936**	**1219.62**	**1051.69**

Taxonomic group	Species	C - 6	C - 7	C - 8	C - 9	C - 10
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0.0472	0.0036	0.003	0.0075	0.038
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	0.0027	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Chaetozone setosa	0.0042	0	0	0	0
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0.001	0	0	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	0
Polychaeta	Glycera capitata	0	0	0	0	0.0073
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0.0029	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	0.0462	0	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0.4312	0	0	0
Polychaeta	Nephtys caeca	2.2221	0	0	0	0
Polychaeta	Nephtys longosetosa	0	0.0887	0.0245	0	0
Polychaeta	Nereimyra punctata	0.0105	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	0.0052	0	0.0212	0.4719	0.0982
Polychaeta	Orbinia sertulata	0	0	0	0	0
Polychaeta	Owenia fusiformis	0	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0.0083	0	0	0	0
Polychaeta	Pholoe inornata	0.001	0	0.0017	0	0
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0
Polychaeta	Phyllodoce maculata	0	0	0	0	0

Taxonomic group	Species	C - 6	C - 7	C - 8	C - 9	C - 10
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	0.3245	0.1439	0.0539	0.0813	0.0778
Polychaeta	Spio filicornis	0.0368	0.011	0	0	0.009
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0	0	0	0	0
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	0	188.9128	888.0942	0	0
Bivalvia	Astarte borealis	0	0	1.2118	1.1314	0
Bivalvia	Chamelia striatula	16.339	0	0	0	0
Bivalvia	Cochlodesma praetenue	0	0	0	0	0
Bivalvia	Corbula gibba	0.0306	0	0	0	0
Bivalvia	Crenella decussata	0	0	0.0064	0.0492	0
Bivalvia	Dosinia lupinus	0	0	0	0.3133	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0.0289	0	0	0	0.0302
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0	0	0
Bivalvia	Modiolus modiolus	0	0	0	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	1.3272	0.3105	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0.3741	0	0	0	0.3925
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0.196	0	0	0	0.0373
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	0	0	0.1385	0	0
Bivalvia	Tellina tenuis	0.0075	0.0907	0	0	0
Bivalvia	Thracia papyracea	0	0.0254	0.0587	0.0703	0.2748
Bivalvia	Thyasira flexuosa	1.7082	0	0	0	0

Taxonomic group	Species	C - 6	C - 7	C - 8	C - 9	C - 10
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0.0093	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0	0	0	0
Crustacea	Ampelisca tenuicornis	0.0166	0	0.0115	0.0012	0.0112
Crustacea	Atylus vedlomensis	0	0	0	0	0
Crustacea	Balanus balanus	0	0	0	0	0
Crustacea	Balanus crenatus	0	0	0	0	0
Crustacea	Bathyporeia elegans	0.018	0.0124	0.0256	0.018	0.0189
Crustacea	Bathyporeia guilliamsoniana	0	0	0.0165	0.0256	0.0165
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0.0152	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	0	0	0
Crustacea	Corophium crassicorne	0	0	0	0	0
Crustacea	Ericthonius brasiliensis	0	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0	0	0	0.005	0
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0
Crustacea	Microdeutopus sp.	0	0	0	0	0

Taxonomic group	Species	C - 6	C - 7	C - 8	C - 9	C - 10
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0.0011	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0
Crustacea	Pontocrates arenarius	0.001	0.0046	0.0022	0.0045	0
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0.001	0.0068	0	0	0
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0	0	0	0
Crustacea	Urothoe poseidonis	0	0	0	0	0
Echinodermata	Amphiura filiformis	0.3882	0.0329	0	0	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	121.3369	0	0	0	297.906
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	0	0	0.1451	0	0
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Abietinaria abietina	0	0	0	0	0
Cnidaria	Alcyonium digitatum	0	0	0	0	0
Cnidaria	Edwardsia sp.	0.016	0.0139	0	0	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0	0
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0.0014	0	0	0	0
Phoronida	Phoronis sp.	0	0.2615	1.2663	1.7251	0.3738
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	0	0	0.4429	0.5893	0
Polyplacophora	Lepidopleurus asellus	0	0	0	0	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Porifera	Cliona celata	0	0	0	0	0
Biomass gDWm^{-2}		**144.5005**	**190.3744**	**891.5267**	**4.4947**	**299.2915**

Taxonomic group	Species	C - 11	D - 1	D - 2	D - 3	D - 4
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0.087	0.0092	0	0	0
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	0	0.0112	0.0109	0
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	0.0043	0.002	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	0
Polychaeta	Glycera capitata	0	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	0.0177	0	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0.1332	0.3752	0	0.4877	0.095
Polychaeta	Nephtys longosetosa	0	0.2573	0.112	0.0269	0
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	0.0811	0.2335	0.5551	0.4429	0.0477
Polychaeta	Orbinia sertulata	0	0	0	0	0.0324
Polychaeta	Owenia fusiformis	0	0	0	0.0171	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0	0	0	0	0
Polychaeta	Pholoe inornata	0	0	0	0	0
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0
Polychaeta	Phyllodoce maculata	0	0	0	0	0

Taxonomic group	Species	C - 11	D - 1	D - 2	D - 3	D - 4
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	0.12452	0.1481	0.1786	0.2787	0.1049
Polychaeta	Spio filicornis	0.0385	0.0164	0.0045	0.0101	0.0319
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0.0236	0	0	0.0053	0.0345
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	999.8714	0.0699	677.9302	846.4657	2536.861
Bivalvia	Astarte borealis	0	0	0	0	0.566
Bivalvia	Chamelia striatula	25.7945	22.9266	4.353	6.7418	0
Bivalvia	Cochlodesma praetenue	0.2125	0	0	0	0
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0	0	0	0	0.1652
Bivalvia	Dosinia lupinus	20.0669	0	0	0.4868	17.842
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0	0	0	0	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0.0188	0	0	0
Bivalvia	Modiolus modiolus	0	0	0	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0.3004	0	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	0	0	0	0	0.0935
Bivalvia	Tellina tenuis	0	0	0	0	0
Bivalvia	Thracia papyracea	0.4078	0.0111	0	0	2.8923
Bivalvia	Thyasira flexuosa	0	0	0	0	0

Taxonomic group	Species	C - 11	D - 1	D - 2	D - 3	D - 4
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0.0728	0	0	0	0
Crustacea	Ampelisca tenuicornis	0.0139	0.0018	0.0221	0.0093	0.0048
Crustacea	Atylus vedlomensis	0	0	0	0	0.001
Crustacea	Balanus balanus	0	0	0	0	0
Crustacea	Balanus crenatus	0	0	0	0	0
Crustacea	Bathyporeia elegans	0.0721	0.0233	0.0303	0.0876	0.0168
Crustacea	Bathyporeia guilliamsoniana	0	0	0.0365	0.0332	0.0314
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	0	0	0
Crustacea	Corophium crassicorne	0	0	0	0	0
Crustacea	Ericthonius brasiliensis	0	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0.0018	0	0	0	0
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	9.9455
Crustacea	Megaluropus agilis	0	0	0.0018	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0
Crustacea	Microdeutopus sp.	0	0	0	0	0

Taxonomic group	Species	C - 11	D - 1	D - 2	D - 3	D - 4
Crustacea	Monoculodes carinatus	0	0	0.0169	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0.001	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0.0032	0
Crustacea	Pontocrates arenarius	0.0029	0.0037	0.0044	0	0
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0.0013	0.0129	0.0064	0
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0	0	0	0
Crustacea	Urothoe poseidonis	0.01	0	0	0	0
Echinodermata	Amphiura filiformis	0	0	0	0	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	8.826	0	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	0	0.0119	0.1407	0	0.2289
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Abietinaria abietina	0	0	0	0	0
Cnidaria	Alcyonium digitatum	0	0	0	0	0
Cnidaria	Edwardsia sp.	0	0.0327	0.0185	0	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0	0
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	0.8371	2.0067	0.9131	5.5612	1.7532
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	0.2186	0	0.3753	0.15	0.2387
Polyplacophora	Lepidopleurus asellus	0	0	0	0	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Porifera	Cliona celata	0	0	0	0	0
Biomass gDWm^{-2}		**1056.914**	**26.4522**	**684.7201**	**860.8248**	**2570.987**

Taxonomic group	Species	D - 5	D - 6	D - 7	D - 8	D - 9
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0	0.0255	0.0277	0.0058	0
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0.1447	0
Polychaeta	Aonides paucibranchiata	0	0	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	0	0	0	0
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	0	0	0	0.0015
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0.0531	0	0
Polychaeta	Glycera alba	0	0	0	0.0656	0
Polychaeta	Glycera capitata	0	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0.0496	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0.0281	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	0	0.0128	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0.0411	0.0246	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	0.3866	0	0	0.2447
Polychaeta	Nephtys longosetosa	0.5065	0	0	0	0
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	0.2689	0.5533	0.019	0.0099	0.1791
Polychaeta	Orbinia sertulata	0	0	0	0	0
Polychaeta	Owenia fusiformis	0	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0.1285	0
Polychaeta	Pherusa plumosa	0	0	0	3.1681	0
Polychaeta	Pholoe balthica	0	0.0094	0	0.0357	0
Polychaeta	Pholoe inornata	0	0.0129	0	0.0111	0.0089
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0
Polychaeta	Phyllodoce maculata	0	0	0	0	0

Taxonomic group	Species	D - 5	D - 6	D - 7	D - 8	D - 9
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	0.1075	0.1924	0.0087	0.2367	0.0495
Polychaeta	Spio filicornis	0	0.0715	0.0058	0.0617	0.0034
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0.0465	0.0395	0	0.0045	0.0069
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	1133.147	1003.816	0	0	997.5736
Bivalvia	Astarte borealis	0.0796	0.1047	0	0	0
Bivalvia	Chamelia striatula	0	0	0	0	27.5082
Bivalvia	Cochlodesma praetenue	0	0.026	0	0	0
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0	0	0	0	0
Bivalvia	Dosinia lupinus	0	0	0	0	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0	0	0	5.5698	0.0236
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0.1791	0
Bivalvia	Modiolarca subpicta	0	0	0.0138	0	0
Bivalvia	Modiolus modiolus	0	0	0.2725	571.8907	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0.0673	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0	0	0.949	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	0	0	0	0	0
Bivalvia	Tellina tenuis	0	0	0	0	0
Bivalvia	Thracia papyracea	0	0	0	0.0493	0
Bivalvia	Thyasira flexuosa	0	0	0	0	0

Taxonomic group	Species	D - 5	D - 6	D - 7	D - 8	D - 9
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0.1741	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0.0203	0	0.014	0
Crustacea	Ampelisca tenuicornis	0.0083	0.0256	0.0585	0.0317	0.0104
Crustacea	Atylus vedlomensis	0	0	0	0	0
Crustacea	Balanus balanus	0	0	0	0	0
Crustacea	Balanus crenatus	0	0	0	0	0
Crustacea	Bathyporeia elegans	0.1245	0.0788	0	0.0361	0.0586
Crustacea	Bathyporeia guilliamsoniana	0.06	0.0537	0	0	0.0033
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0.0014	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0.0074	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	0.0052	0	0
Crustacea	Corophium crassicorne	0	0.0063	0.02	0	0
Crustacea	Ericthonius brasiliensis	0.0011	0	0.0041	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0	0	0.0037	0	0
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	1.8508	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0
Crustacea	Microdeutopus sp.	0	0	0	0	0

Taxonomic group	Species	D - 5	D - 6	D - 7	D - 8	D - 9
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0
Crustacea	Pontocrates arenarius	0.0021	0	0	0.0065	0.001
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	0	0	0.001
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0	0	0	0
Crustacea	Urothoe poseidonis	0	0.0114	0	0	0
Echinodermata	Amphiura filiformis	0	0.6948	1.0673	4.2996	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	0	0	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	0.1773	0.0985	0.1007	0	0.0438
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Abietinaria abietina	0	0	0	0	0
Cnidaria	Alcyonium digitatum	0	0	0	0	0
Cnidaria	Edwardsia sp.	0.0099	0.0345	0.0417	0	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0.0874	0
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	1.2498	3.1895	0	6.5316	0.0041
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	0.109	0.1413	0.1323	0	0.001
Polyplacophora	Lepidopleurus asellus	0	0	1.4869	0.5208	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Porifera	Cliona celata	0	0	0	0	0
Biomass gDWm^{-2}		**1135.898**	**1009.606**	**5.289**	**594.3143**	**1025.723**

Taxonomic group	Species	D - 10	D - 11	D - 12	E - 1	E - 2
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0	0.0439	0.0265	0.0624	0
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0.0192	0	0	0	0.0059
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	0	0	0	0.0087
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0.0243	0	0
Polychaeta	Eteone longa	0.0022	0.0028	0	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0.04	0	0
Polychaeta	Glycera capitata	0	0	0.0293	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	0	0	0	0.0411	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	0.1674	0	0	0.3123
Polychaeta	Nephtys longosetosa	0	0.3894	0	0.0845	0
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	0.2829	0.6713	0.0907	0.0913	0.2435
Polychaeta	Orbinia sertulata	0	0	0	0	0
Polychaeta	Owenia fusiformis	0	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0.0058	0	0	0	0
Polychaeta	Pholoe inornata	0.0087	0	0.0104	0	0
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0
Polychaeta	Phyllodoce maculata	0	0	0	0	0

Taxonomic group	Species	D - 10	D - 11	D - 12	E - 1	E - 2
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0.0614	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	0	0.2475	0.1904	0.227	0.127
Polychaeta	Spio filicornis	0	0.0595	0.0144	0.0182	0.0304
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0	0.0213	0.037	0.1022	0.0382
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	982.4396	386.6053	0	1170.248	0.1921
Bivalvia	Astarte borealis	0.0448	0	0	0	0.185
Bivalvia	Chamelia striatula	0	0	0	0	14.8058
Bivalvia	Cochlodesma praetenue	0	0	0	0.0568	0.1185
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0	0	0	0	0
Bivalvia	Dosinia lupinus	0	0	0	0	0.1712
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0	0	0.0153	0	0.0484
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0.0047	0.0165	0	0
Bivalvia	Modiolarca subpicta	0	0	0	0	0
Bivalvia	Modiolus modiolus	427.4856	0	0	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0.396
Bivalvia	Phaxas pellucidus	0	0	0.6675	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0.0561
Bivalvia	Tellina fabula	0	0.4433	0	0	0
Bivalvia	Tellina pygmaea	0.3545	0	0	0	0
Bivalvia	Tellina tenuis	0	0	0	0	0
Bivalvia	Thracia papyracea	0.0605	0.138	0.1147	1.03	0
Bivalvia	Thyasira flexuosa	0	0	0	0	0

Taxonomic group	Species	D - 10	D - 11	D - 12	E - 1	E - 2
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0.6385	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0	0	0	0
Crustacea	Ampelisca tenuicornis	0.0393	0.0126	0.0182	0.0096	0.0268
Crustacea	Atylus vedlomensis	0	0	0.0017	0	0
Crustacea	Balanus balanus	0	0	0	0	0
Crustacea	Balanus crenatus	0	0	0	0	0
Crustacea	Bathyporeia elegans	0.0028	0.0681	0.0161	0.0233	0.0343
Crustacea	Bathyporeia guilliamsoniana	0	0	0	0.0034	0.0601
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	0	0	0
Crustacea	Corophium crassicorne	0	0.0033	0	0	0
Crustacea	Ericthonius brasiliensis	0	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0.3008	0	0.0062	0	0
Crustacea	Leucothoe incisa	0	0	0.0048	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0.0018	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0
Crustacea	Microdeutopus sp.	0	0	0	0	0

Taxonomic group	Species	D - 10	D - 11	D - 12	E - 1	E - 2
Crustacea	Monoculodes carinatus	0.0085	0	0	0	0
Crustacea	Oedicerotidae	0.0074	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0
Crustacea	Pontocrates arenarius	0	0	0.0048	0.001	0.0099
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	0	0	0.0019
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0	0.0059	0	0
Crustacea	Urothoe poseidonis	0	0	0	0.0086	0.0748
Echinodermata	Amphiura filiformis	0.0379	0.0984	2.5643	0.0213	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	0	204.7025	74.3235	0	220.4658
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	0.2828	0	0.0799	0.0041	0
Echinodermata	Psamechinus miliaris	54.3623	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Abietinaria abietina	0	0	0	0	0
Cnidaria	Alcyonium digitatum	0	0	0	0	0
Cnidaria	Edwardsia sp.	0	0.0998	0	0.0126	0.0402
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0.0489	0
Sipuncula	Sipunculus sp.	0.0026	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0.0033
Phoronida	Phoronis sp.	0	0.8206	1.3146	2.0696	2.1269
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	2.9749	0.1672	0.3428	0.2096	0.2771
Polyplacophora	Lepidopleurus asellus	0.1079	0	0	0.0645	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Porifera	Cliona celata	0	0	0	0	0
Biomass gDWm^{-2}		**1468.892**	**594.7669**	**80.5983**	**1174.44**	**239.8602**

Taxonomic group	Species	E - 3	E - 4	E - 5	E - 6	E - 7
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0.0074	0	0	0	0
Polychaeta	Ampharetidae	0	0	0.0033	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0.001	0
Polychaeta	Chaetozone setosa	0	0	0	0.0038	0
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	0.0037	0	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0.0018	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	0
Polychaeta	Glycera capitata	0	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0.1414
Polychaeta	Magelona alleni	0	0.0224	0	0	0
Polychaeta	Magelona papillicornis	0	0.003	0	0	0
Polychaeta	Myriochele oculata	0	0	0.0044	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0.0676	0.4787	0	0.1457	0
Polychaeta	Nephtys longosetosa	0	0.0495	0	0.1908	0.3103
Polychaeta	Nereimyra punctata	0	0	0	0	0.0039
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	0.0979	0.15	0.6665	0.1614	0.2339
Polychaeta	Orbinia sertulata	0	0	0	0	0
Polychaeta	Owenia fusiformis	0	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0	0	0	0	0.0034
Polychaeta	Pholoe inornata	0	0	0	0.001	0.0144
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0
Polychaeta	Phyllodoce maculata	0	0	0	0	0

Taxonomic group	Species	E - 3	E - 4	E - 5	E - 6	E - 7
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0.001
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0.0136	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	0.0412	0.5412	0.2914	0.1021	0.0719
Polychaeta	Spio filicornis	0	0.0318	0.069	0	0
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0.0058	0.0842	0	0	0.0029
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	465.05	0.1061	471.9378	422.469	0.0176
Bivalvia	Astarte borealis	0.1957	0	0	0	0.3873
Bivalvia	Chamelia striatula	5.0591	11.199	2.7739	0	0
Bivalvia	Cochlodesma praetenue	0	0.5052	0	0	0
Bivalvia	Corbula gibba	0	0	0.0209	0	0
Bivalvia	Crenella decussata	0	0	0	0.0272	0.0191
Bivalvia	Dosinia lupinus	0	0	24.5331	1.4515	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0	0.0241	0	0	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0	0	0.0319
Bivalvia	Modiolus modiolus	0	0	0	0	738.799
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0	0.402	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0.0717	0	0	0
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	0	0	0	0	0.1475
Bivalvia	Tellina tenuis	0	0.0099	0.0059	0	0
Bivalvia	Thracia papyracea	0	0	0	0.6158	0.0845
Bivalvia	Thyasira flexuosa	0	0	0	0	0

Taxonomic group	Species	E - 3	E - 4	E - 5	E - 6	E - 7
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0.0318	0.4325	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0.0011
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0.0509	0.0197	0	0
Crustacea	Ampelisca tenuicornis	0	0.0078	0.0102	0.0046	0.0205
Crustacea	Atylus vedlomensis	0	0	0	0.001	0
Crustacea	Balanus balanus	0	0	0	0	0
Crustacea	Balanus crenatus	0	0	0	0	0
Crustacea	Bathyporeia elegans	0.0645	0.2171	0.1292	0.0448	0.0171
Crustacea	Bathyporeia guilliamsoniana	0.0057	0.0104	0.0272	0.0409	0.015
Crustacea	Bathyporeia pilosa	0	0.0016	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	0.017	0
Crustacea	Cheirocratus sundevalli	0	0	0	0.0127	0
Crustacea	Corophium bonelli	0	0	0	0	0.0058
Crustacea	Corophium crassicorne	0.0041	0	0.0017	0	0.0085
Crustacea	Ericthonius brasiliensis	0	0	0	0.001	0.003
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0	0	0	0.0034	0.0041
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0.0032	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0
Crustacea	Microdeutopus sp.	0	0	0	0	0

Taxonomic group	Species	E - 3	E - 4	E - 5	E - 6	E - 7
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0.0024
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0.001
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0
Crustacea	Pontocrates arenarius	0	0.0065	0.001	0.001	0.0193
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	0	0	0
Crustacea	Tanaidacea	0.001	0	0	0	0
Crustacea	Urothoe elegans	0	0	0	0	0
Crustacea	Urothoe poseidonis	0	0	0.0837	0	0
Echinodermata	Amphiura filiformis	0	0	0.0027	0.7134	0
Echinodermata	Asterias rubens	0	0	0	0	0.1217
Echinodermata	Echinocardium cordatum	0	17.4198	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	0	0.0068	0.0033	0	0.3709
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Abietinaria abietina	0	0	0	0	0
Cnidaria	Alcyonium digitatum	0	0	0	0	0
Cnidaria	Edwardsia sp.	0	0.0389	0.0115	0.0338	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0.015	0	0
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	1.3875	3.807	0.6909	0.2207	0
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	0.0202	0.1164	0.1782	0.0128	0.3442
Polyplacophora	Lepidopleurus asellus	0	0	0	0.0254	0.9983
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Porifera	Cliona celata	0	0	0	0	0
Biomass $gDWm^{-2}$		**472.0077**	**35.0123**	**502.315**	**426.3036**	**742.2029**

Taxonomic Group	Species	E - 8	E - 9	E - 10	E - 11	F - 1
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0.0041	0.0329	0.0072	0.0131	0.009
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0.0154	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Chaetozone setosa	0.0056	0.0056	0.0091	0.0189	0.0019
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0.0037	0.001	0	0	0
Polychaeta	Eteone longa	0	0	0	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0.001	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0.044	0
Polychaeta	Glycera capitata	0	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0.006	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0.5288	0	0	0
Polychaeta	Magelona alleni	0	0	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	1.2275	0.304	0	0
Polychaeta	Nephtys longosetosa	0	0.4765	0	0	0
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	0.3445	0.1056	0.1062	0.0313	0.0354
Polychaeta	Orbinia sertulata	0	0	0	0	0
Polychaeta	Owenia fusiformis	0	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0.0175	0	0.002
Polychaeta	Pholoe balthica	0	0	0.0096	0	0
Polychaeta	Pholoe inornata	0	0.0043	0	0.001	0.0068
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0
Polychaeta	Phyllodoce maculata	0	0	0	0	0.0055

Taxonomic Group	Species	E - 8	E - 9	E - 10	E - 11	F - 1
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0.0143	0	0	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0.163	0	0	0
Polychaeta	Prionospio fallax	0	0	0.0012	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	0.1155	0.1064	0.0283	0.0264	0.1459
Polychaeta	Spio filicornis	0.0363	0.0191	0	0	0.008
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0	0	0.0116	0	0
Polychaeta	Travisia forbesi	0	0	0.0336	0	0
Bivalvia	Abra prismatica	0	0	0	0	0.0539
Bivalvia	Arctica islandica	0	301.115	423.7202	0	431.0172
Bivalvia	Astarte borealis	0.0573	0	1.7154	0	0.1712
Bivalvia	Chamelia striatula	0	0	0	0	0
Bivalvia	Cochlodesma praetenue	0	0.0421	0.5224	0.0415	0
Bivalvia	Corbula gibba	0.032	0	0	0	0
Bivalvia	Crenella decussata	0.0133	0	0.1191	0	0
Bivalvia	Dosinia lupinus	18.5159	0	23.9194	0	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0.0183	0.0363	0	0	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0	0	0.0079
Bivalvia	Modiolus modiolus	0	1019.307	0	0	810.4297
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	2.4315	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0	0	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	0.1668	0	0.176	0	0
Bivalvia	Tellina tenuis	0	0	0	0	0
Bivalvia	Thracia papyracea	0.3373	0	0.434	0	0.0946
Bivalvia	Thyasira flexuosa	0	0	0	0	0

Taxonomic Group	Species	E - 8	E - 9	E - 10	E - 11	F - 1
Bivalvia	Timoclea ovata	0	0.0093	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0.013
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0.0133	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	0	0.8513
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0	0.0357	0	0
Crustacea	Ampelisca tenuicornis	0.0149	0.0119	0.0154	0.0033	0.0596
Crustacea	Atylus vedlomensis	0.0069	0	0	0	0
Crustacea	Balanus balanus	0	0	0	0	0
Crustacea	Balanus crenatus	0	0	0	0	0
Crustacea	Bathyporeia elegans	0.0239	0.0451	0.0062	0.0221	0.0072
Crustacea	Bathyporeia guilliamsoniana	0.0734	0.0232	0.0325	0.0305	0.1186
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	0	0.0094
Crustacea	Cheirocratus sundevalli	0	0	0	0	0.0076
Crustacea	Corophium bonelli	0	0.0038	0	0	0.0082
Crustacea	Corophium crassicorne	0	0	0	0	0
Crustacea	Ericthonius brasiliensis	0	0.0016	0	0	0.0011
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0.011
Crustacea	Leptocheirus hirsutimanus	0	0	0	0	0.0011
Crustacea	Leucothoe incisa	0	0	0.0024	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0
Crustacea	Microdeutopus sp.	0	0	0	0	0

Taxonomic Group	Species	E - 8	E - 9	E - 10	E - 11	F - 1
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0.6465	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0
Crustacea	Pontocrates arenarius	0	0.0011	0	0.0018	0.0184
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	0.0013	0	0.001
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0	0.0048	0	0.0018
Crustacea	Urothoe poseidonis	0	0	0	0	0
Echinodermata	Amphiura filiformis	0	0	0	0.3652	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	0	0	0	61.6049	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	0.0406	0	0.1265	0	0.7287
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0.311	0	0
Echinodermata	Ophiopholis aculeata	0	3.4569	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Abietinaria abietina	0	0	0	0	0
Cnidaria	Alcyonium digitatum	0	0	0	0	0
Cnidaria	Edwardsia sp.	0	0.0335	0	0	0
Plathyhelminthes	Turbellaria	0	0	0	0	0.0226
Nemertea	Nemertini	0	0	0	0	0
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	2.5898	0.8102	0.632	0.9283	0.8827
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	0.8284	0	0.449	0	0.5448
Polyplacophora	Lepidopleurus asellus	0.4424	0	0.0683	0	0.0978
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Porifera	Cliona celata	0	0	0	0	0
Biomass $gDWm^{-2}$		**23.6709**	**1328.258**	**452.8259**	**65.5638**	**1245.375**

Taxonomic group	Species	F - 2	F - 3	F - 4	F - 5	Fx - 6
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0	0	0	0	0
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0.0852	0
Polychaeta	Aonides paucibranchiata	0	0	0	0.0109	0.0088
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	0.01	0	0	0
Polychaeta	Chone duneri	0	0	0	0.0115	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0.0129	0
Polychaeta	Eteone longa	0	0	0.001	0	0.0278
Polychaeta	Eunoe nodosa	0	0	0	0.1266	0
Polychaeta	Exogone naidina	0	0	0	0	0.0034
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	0
Polychaeta	Glycera capitata	0	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0.0057
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0.1013	0
Polychaeta	Magelona alleni	0	0	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	1.7029	0	0.0802	0.0157	0.0739
Polychaeta	Nephtys longosetosa	0.038	0	0.0379	0.0546	0
Polychaeta	Nereimyra punctata	0	0	0	0.0467	0
Polychaeta	Nicolea zostericola	0	0	0	0.0106	0
Polychaeta	Ophelia borealis	0.0966	0.4137	0.4209	0.0245	0.346
Polychaeta	Orbinia sertulata	0.0575	0	0	0	0.0395
Polychaeta	Owenia fusiformis	0	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	1.5272	0
Polychaeta	Pholoe balthica	0	0.001	0	0.0206	0
Polychaeta	Pholoe inornata	0	0	0	0	0.0035
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0
Polychaeta	Phyllodoce maculata	0	0	0	0	0

Taxonomic group	Species	F - 2	F - 3	F - 4	F - 5	Fx - 6
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0.0012
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0.067	0
Polychaeta	Polycirrus medusa	0	0	0	0.0569	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0.0029	0
Polychaeta	Pomatoceros triqueter	0	0	0	0.0392	0.0116
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0.0096	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	0.5638	0.4842	0.2627	0.0788	0
Polychaeta	Spio filicornis	0.105	0.0167	0.045	0.0013	0
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0	0.0066	0.006	0.0017	0
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	755.0319	0	0.2156	402.7277	507.9961
Bivalvia	Astarte borealis	0.2831	0	0	0	0
Bivalvia	Chamelia striatula	0	5.3629	9.9186	0	0
Bivalvia	Cochlodesma praetenue	0	2.0015	0	0	0
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0.0272	0	0	0	0
Bivalvia	Dosinia lupinus	14.9224	0	0	0	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	2.5905	3.3857	0	0	0
Bivalvia	Heteranomia squamula	0	0	0	0.0101	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0.0098	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0	0.0176	0
Bivalvia	Modiolus modiolus	0	0	0	2477.377	0
Bivalvia	Mya arenaria	0	0	0	4.8146	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0.0674	0	0
Bivalvia	Parvicardium ovale	0	0	0	0.392	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0	0.7554	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	0.1091	0	0	0.232	0.1874
Bivalvia	Tellina tenuis	0	0	0	0	0
Bivalvia	Thracia papyracea	0	0	0.0712	0.0137	0.4188
Bivalvia	Thyasira flexuosa	0	0	0	0	0

Taxonomic group	Species	F - 2	F - 3	F - 4	F - 5	Fx - 6
Bivalvia	Timoclea ovata	0	0	0	0	0.2879
Gastropoda	Akera bullata	0	0	0	0	0.0091
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	52.9087	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0.0631	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0.0111	0
Gastropoda	Pollinices pulchellus	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0	0.055	0	0
Crustacea	Ampelisca tenuicornis	0.028	0	0.0208	0.1299	0.0477
Crustacea	Atylus vedlomensis	0	0	0	0	0
Crustacea	Balanus balanus	0	0	0	0	0
Crustacea	Balanus crenatus	0	0	0	0	0
Crustacea	Bathyporeia elegans	0.0031	0.1378	0.2126	0.0039	0
Crustacea	Bathyporeia guilliamsoniana	0.0734	0	0.0299	0.0537	0
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0.0081	0	0	0
Crustacea	Caprella linearis	0	0	0	0.0097	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	0	0.0212
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	0	0.0144	0
Crustacea	Corophium crassicorne	0	0	0	0.0495	0.0124
Crustacea	Ericthonius brasiliensis	0	0	0	0.0132	0
Crustacea	Galathea intermedia	0	0	0	0.1053	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0.0454
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0.0159	0
Crustacea	Leptocheirus hirsutimanus	0	0	0	0	0.1774
Crustacea	Leucothoe incisa	0	0	0	0	0.0037
Crustacea	Liocarcinus depurator	0	0	0	0	0.7789
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0.001	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0
Crustacea	Microdeutopus sp.	0	0	0	0	0

Taxonomic group	Species	F - 2	F - 3	F - 4	F - 5	Fx - 6
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0.0061	0.0085
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0.009
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0.0017	0	0
Crustacea	Pontocrates arenarius	0.001	0.0015	0.001	0	0.0169
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	0.0011	0	0
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0	0	0.0018	0
Crustacea	Urothoe poseidonis	0	0	0.0025	0	0
Echinodermata	Amphiura filiformis	0	0	0.0104	0.1269	0
Echinodermata	Asterias rubens	0	0	0	0.1269	0
Echinodermata	Echinocardium cordatum	0	0	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	0.0562	0	0	0.2418	0.6701
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	4.0881	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Abietinaria abietina	0	0	0	0	0
Cnidaria	Alcyonium digitatum	0	0	0	0	0
Cnidaria	Edwardsia sp.	0	0	0.0294	0	0
Plathyhelminthes	Turbellaria	0	0	0	0.0126	0
Nemertea	Nemertini	0	0	0	0	0
Sipuncula	Sipunculus sp.	0	0	0	0.0013	0.0064
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	1.1741	0.6541	2.3083	0.0083	0
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	1.0307	0	0.2742	0.0542	1.3369
Polyplacophora	Lepidopleurus asellus	0	0	0	3.268	0.4419
Polyplacophora	Tonicella marmorea	0	0	0	0.5778	0
Porifera	Cliona celata	0	0	0	0	0
Biomass gDWm^{-2}		**777.8955**	**12.4936**	**14.8288**	**2949.782**	**512.9971**

Taxonomic group	Species	F - 7	F - 8	F - 9	G - 1	G - 2
Polychaeta	Aglaophamus rubella	0.1109	0	0	0	0
Polychaeta	Ampharete finmarchica	0.0056	0.0325	0.0223	0.0062	0
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0.0143	0	0	0	0
Polychaeta	Aonides paucibranchiata	0.0141	0	0	0.0017	0
Polychaeta	Aricidea sueccica	0	0	0	0	0.0018
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	0	0	0.0153	0.0024
Polychaeta	Chone duneri	0	0	0	0	0.0182
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0.0069	0	0	0	0
Polychaeta	Eteone longa	0	0	0	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0.0436
Polychaeta	Exogone naidina	0	0	0.0016	0.001	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0.2714
Polychaeta	Glycera alba	0.014	0	0.0327	0	0
Polychaeta	Glycera capitata	0	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0.0226
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0.0278	0	0	0	0.0023
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0.0286
Polychaeta	Lepidonotus squamatus	0.7515	0	0	0	0
Polychaeta	Magelona alleni	0	0	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	0	0	0	0
Polychaeta	Nephtys longosetosa	0	0.5724	0.0762	0.1722	0
Polychaeta	Nereimyra punctata	0	0	0	0.0112	0
Polychaeta	Nicolea zostericola	0	0	0	0.0427	0
Polychaeta	Ophelia borealis	0.2788	0.1087	0.2064	0.017	0.341
Polychaeta	Orbinia sertulata	0	0	0	0.4763	0
Polychaeta	Owenia fusiformis	0.0171	0	0.029	0	0
Polychaeta	Paraonis fulgens	0.0028	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0.0042	0	0.0019	0	0.0052
Polychaeta	Pholoe inornata	0.001	0.0042	0.001	0	0.0183
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0
Polychaeta	Phyllodoce maculata	0	0	0	0	0

Taxonomic group	Species	F - 7	F - 8	F - 9	G - 1	G - 2
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0.0957	0	0	0	0
Polychaeta	Polycirrus medusa	0.0955	0	0	0	0.5337
Polychaeta	Polydora caeca	0	0	0	0.002	0
Polychaeta	Polydora sp.	0	0	0	0	0.001
Polychaeta	Pomatoceros triqueter	0	0.0213	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	0.0029	0.0485	0.0264	0.2106	0.0846
Polychaeta	Spio filicornis	0	0.0218	0.0194	0.0042	0
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0	0.0293	0.0504	0	0
Polychaeta	Travisia forbesi	0.1187	0	0	0.1552	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	0	0	0	0.0884	850.3525
Bivalvia	Astarte borealis	0.2341	0.0996	0	0.8087	0.0965
Bivalvia	Chamelia striatula	0	0	0	0	0
Bivalvia	Cochlodesma praetenue	0	0	0	0	0
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0	0	0.0228	0.0541	0.0193
Bivalvia	Dosinia lupinus	0	0	0	1.3393	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0	0	0	0	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0.1034	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	0.0048
Bivalvia	Modiolarca subpicta	0.1537	0	0	0.0572	0.2381
Bivalvia	Modiolus modiolus	1025.231	0	0	0	247.6927
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0.0579	0.0811	0.1338	0	0.0359
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0.2561	0	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	0	0	0.0373	0.1808	0.2741
Bivalvia	Tellina tenuis	0	0	0	0	0
Bivalvia	Thracia papyracea	0.0246	2.6614	0.1282	0.0593	0.1898
Bivalvia	Thyasira flexuosa	0	0	0	0	0

Taxonomic group	Species	F - 7	F - 8	F - 9	G - 1	G - 2
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	1.0231	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0.0174
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0.5319	0	2.0707	0	0.0906
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0	0	0	0
Crustacea	Ampelisca tenuicornis	0.0378	0.0374	0.0263	0.0269	0.0338
Crustacea	Atylus vedlomensis	0	0	0	0	0.0027
Crustacea	Balanus balanus	0	0	0	0	0
Crustacea	Balanus crenatus	0	0	0	0	0
Crustacea	Bathyporeia elegans	0	0.0141	0.0088	0.004	0.001
Crustacea	Bathyporeia guilliamsoniana	0.0188	0.0206	0.0242	0.0427	0.0688
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0.0083	0	0
Crustacea	Cheirocratus sp.	0	0	0	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0.0107	0	0	0	0
Crustacea	Corophium crassicorne	0.012	0.0101	0	0	0
Crustacea	Ericthonius brasiliensis	0.0018	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0.271	0.185
Crustacea	Gastrosaccus spinifer	0	0.0343	0	0.0225	0.0449
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0.0017	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0.1181	0.0233	0.0178	0	0
Crustacea	Leucothoe incisa	0	0.0143	0	0	0
Crustacea	Liocarcinus depurator	0	0	2.1603	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0.0151	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0.0131
Crustacea	Microdeutopus sp.	0	0	0	0	0.001

Taxonomic group	Species	F - 7	F - 8	F - 9	G - 1	G - 2
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0.7177	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0.0026	0	0
Crustacea	Pontocrates arenarius	0.0061	0	0	0.0154	0
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	0	0.001	0
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0.0041	0.0049	0	0.0184
Crustacea	Urothoe poseidonis	0	0	0	0	0
Echinodermata	Amphiura filiformis	0	0	0	0	0.0283
Echinodermata	Asterias rubens	0	0	0	11.7965	0.0296
Echinodermata	Echinocardium cordatum	0	0	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	6.1145	0
Echinodermata	Echinocyamus pusillus	0.3565	0.0888	0.1738	0.1473	1.0402
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	5.3547	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Abietinaria abietina	0	0	0	0	0
Cnidaria	Alcyonium digitatum	0	0	0	0	0
Cnidaria	Edwardsia sp.	0	0	0	0	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0.006	0.0219
Sipuncula	Sipunculus sp.	0.0066	0	0	0	0.011
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	0	0.3867	1.3854	0.2621	2.0888
Ascidiacea	Ascidiella adspersa	0	0	0	0	6.4532
Cephalochordata	Branchiostoma lanceolatum	1.4239	0.5432	0.248	0.1772	1.0219
Polyplacophora	Lepidopleurus asellus	1.199	0	0.211	0.0927	1.2669
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Porifera	Cliona celata	0	0	0	0	0
Biomass gDWm^{-2}		**1037.484**	**5.1138**	**7.8492**	**22.6832**	**1112.717**

Taxonomic group	Species	G - 3	G - 4	G - 5	G - 6	G - 7
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0.0101	0.0089	0	0.0203	0
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	0.0059	0	0	0
Polychaeta	Chone duneri	0	0.0134	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	0	0	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0.001	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0.0737	0
Polychaeta	Glycera capitata	0	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0.1474	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	0	0	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0.0384	0.2663	0.0059	0.2513	0
Polychaeta	Nephtys longosetosa	0	0	0.2379	0	0
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	0.3086	0.3357	0.3829	0.0106	0.0414
Polychaeta	Orbinia sertulata	0	0	0	0	0
Polychaeta	Owenia fusiformis	0	0.0529	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0	0.0029	0.0045	0.041	0
Polychaeta	Pholoe inornata	0	0.0259	0.0023	0.0045	0
Polychaeta	Phyllodoce groenlandica	0	0	0	0.4989	0
Polychaeta	Phyllodoce maculata	0	0	0	0	0

Taxonomic group	Species	G - 3	G - 4	G - 5	G - 6	G - 7
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0.0033	0.0094	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	0.3756	0.0776	0.0177	0.138	0.134
Polychaeta	Spio filicornis	0.0349	0.0221	0.0176	0.0192	0.0574
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0.0575	0.0304	0.0029	0.0231	0.0218
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	826.5044	0	0.3053	0	0
Bivalvia	Astarte borealis	0.3005	0.1579	0.348	0	0
Bivalvia	Chamelia striatula	0	0	0	0	0.1671
Bivalvia	Cochlodesma praetenue	0.989	0	0	0	0
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0.0676	0	0.02	0	0
Bivalvia	Dosinia lupinus	10.2361	0	6.635	0	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0	0.053	0.0061	0.4973	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0.1349	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0.072	0
Bivalvia	Modiolarca subpicta	0	0	0	0	0
Bivalvia	Modiolus modiolus	0	0	670.5671	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0.2805	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0	0	0.3587	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	0.146	0	0.21	0	0.1189
Bivalvia	Tellina tenuis	0	0	0	0	0
Bivalvia	Thracia papyracea	0	0.2334	0.593	0	0.0762
Bivalvia	Thyasira flexuosa	0	0	0	0	0

Taxonomic group	Species	G - 3	G - 4	G - 5	G - 6	G - 7
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	372.492	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0.0835	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	1.4661	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	0.6783	0
Gastropoda	Tectura virginea	0	0	0	0.1416	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0.0137	0	0	0
Crustacea	Ampelisca tenuicornis	0	0.0348	0.0199	0.0283	0.0258
Crustacea	Atylus vedlomensis	0	0.003	0	0	0
Crustacea	Balanus balanus	0	0	0	0	0
Crustacea	Balanus crenatus	0	0	0	0	0
Crustacea	Bathyporeia elegans	0.0828	0.102	0.0451	0.0123	0.064
Crustacea	Bathyporeia guilliamsoniana	0.0273	0.0144	0.0167	0	0.0346
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0.0048	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	0.0069	0	0
Crustacea	Corophium crassicorne	0	0.0634	0.0025	0	0
Crustacea	Ericthonius brasiliensis	0	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0.004	0	0
Crustacea	Isaeidae	0	0	0	0.0013	0
Crustacea	Leptocheirus hirsutimanus	0	0	0.014	0	0.0084
Crustacea	Leucothoe incisa	0.0041	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0.0137	0.0109	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0
Crustacea	Microdeutopus sp.	0	0	0	0	0

Taxonomic group	Species	G - 3	G - 4	G - 5	G - 6	G - 7
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0.0054	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0
Crustacea	Pontocrates arenarius	0	0	0	0	0
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	0.0027	0	0.001
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0	0	0	0
Crustacea	Urothoe poseidonis	0	0	0	0	0
Echinodermata	Amphiura filiformis	0	0	0	5.8681	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	0	0	0	99.3418	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	0.2553	0.2475	0.2672	0.0018	0.1424
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Abietinaria abietina	0	0	0	0	0
Cnidaria	Alcyonium digitatum	0	0	0	0	0
Cnidaria	Edwardsia sp.	0.0258	0.0122	0	0.074	0.0055
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0	0
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	0.5213	0.3424	1.8101	1.1507	0.6826
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	0	0.4912	0.2077	0.1824	0.3007
Polyplacophora	Lepidopleurus asellus	0	0.3494	0.5431	0.2716	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Porifera	Cliona celata	0	0	0	0	0
Biomass $gDWm^{-2}$		**839.9863**	**4.4488**	**1054.948**	**110.2722**	**1.8818**

Taxonomic group	Species	G - 8	H - 1	H - 2	H - 3	H - 4
Polychaeta	Aglaophamus rubella	0	0	0	0.5336	0
Polychaeta	Ampharete finmarchica	0.0238	0	0.0116	0.0288	0
Polychaeta	Ampharetidae	0	0.0178	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	0	0	0	0
Polychaeta	Chone duneri	0	0	0	0	0.0266
Polychaeta	Cirratulidae	0	0	0	0.0042	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	0	0	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	0.2028
Polychaeta	Glycera capitata	0.026	0.01	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0.0354	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0.0281	0.0039
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	0	0	0	0.0136	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0.0114	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	0	0.145	1.5488	0
Polychaeta	Nephtys longosetosa	0	0.2285	0.1291	0	0.0904
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	0.2601	0.001	0.0498	0.6389	0.5227
Polychaeta	Orbinia sertulata	0	0	0	0	0
Polychaeta	Owenia fusiformis	0.0073	0.0463	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0.0891	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0.002	0.0104	0	0.0135	0.001
Polychaeta	Pholoe inornata	0.0304	0.0037	0	0.0107	0
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0
Polychaeta	Phyllodoce maculata	0	0	0	0	0

Taxonomic group	Species	G - 8	H - 1	H - 2	H - 3	H - 4
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0.0624	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0.053	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0.0131	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	0.0572	0.1713	0.4065	0.0607	0
Polychaeta	Spio filicornis	0.0194	0.0061	0.013	0.0225	0.0029
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0.0519	0.0024	0.0762	0.023	0
Polychaeta	Travisia forbesi	0.017	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	0	59.7014	0	0.139	0
Bivalvia	Astarte borealis	0	0	0	0	0
Bivalvia	Chamelia striatula	0	0	0	0	0
Bivalvia	Cochlodesma praetenue	0	0	0	0	0
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0	0	0	0	0.0278
Bivalvia	Dosinia lupinus	0	0	14.7156	0	0
Bivalvia	Ensis directus	0.9273	0	0	0	0
Bivalvia	Gari fervensis	0	0.0111	0.0165	0	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0.0277	0	0	0
Bivalvia	Kurtiella bidentata	0.046	0.1932	0	0.0041	0
Bivalvia	Modiolarca subpicta	0	0	0	0	0
Bivalvia	Modiolus modiolus	0	0	0	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	2.5277	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0.072	0
Bivalvia	Parvicardium scabrum	0	0.0263	0	0.3253	0
Bivalvia	Phaxas pellucidus	0.1887	1.1976	0.7303	0	0
Bivalvia	Spisula solida	0	0	0	0	18.2411
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Tellina fabula	0	0.5215	0	0	0
Bivalvia	Tellina pygmaea	0	0	0	0	0.4806
Bivalvia	Tellina tenuis	0	0	0	0	0
Bivalvia	Thracia papyracea	0.1134	0	0.1148	0.1001	0.4656
Bivalvia	Thyasira flexuosa	0	0.0077	0	0	0

Taxonomic group	Species	G - 8	H - 1	H - 2	H - 3	H - 4
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	169.0783	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0.001	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0.0156
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0.5198	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Turritella communis	0	0.0823	0	0	0
Crustacea	Ampelisca brevicornis	0	0.0709	0	0	0
Crustacea	Ampelisca tenuicornis	0.0259	0.0522	0.012	0.0454	0.0257
Crustacea	Atylus vedlomensis	0	0	0	0.0066	0.0041
Crustacea	Balanus balanus	0	0	0	0	0
Crustacea	Balanus crenatus	0	0	0	0	0
Crustacea	Bathyporeia elegans	0.009	0.0035	0.1381	0.1007	0
Crustacea	Bathyporeia guilliamsoniana	0	0	0	0.0187	0.0073
Crustacea	Bathyporeia pilosa	0	0.002	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0.005	0
Crustacea	Cheirocratus assimilis	0	0	0	0.0197	0
Crustacea	Cheirocratus intermedius	0	0	0	0.0179	0.006
Crustacea	Cheirocratus sp.	0	0	0	0.0041	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0.0018	0	0	0.0031	0.0015
Crustacea	Corophium crassicorne	0	0	0	0	0
Crustacea	Ericthonius brasiliensis	0	0.004	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0.0177	0
Crustacea	Leptocheirus hirsutimanus	0.018	0	0	0	0.1311
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0.0041	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0
Crustacea	Microdeutopus sp.	0	0.0034	0	0	0

Taxonomic group	Species	G - 8	H - 1	H - 2	H - 3	H - 4
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0.0032	0	0	0	0.0023
Crustacea	Pontocrates arenarius	0	0	0	0	0
Crustacea	Pontocrates sp.	0	0	0	0.0044	0
Crustacea	Siphonoectes kroyerianus	0	0	0	0	0
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0.0099	0	0	0.0059	0.001
Crustacea	Urothoe poseidonis	0.0116	0	0.2042	0.009	0
Echinodermata	Amphiura filiformis	1.7887	1.6776	0	0.7278	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	64.7365	0	6.0403	0	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	0.0014	0	0.0447	0.3118	0.3564
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0.6043
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	8.798	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Abietinaria abietina	0	0	0	0	0
Cnidaria	Alcyonium digitatum	0	0	0	0	0
Cnidaria	Edwardsia sp.	0	0	0.0562	0	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0	0
Sipuncula	Sipunculus sp.	0	0	0	0	0.004
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	1.5591	2.0233	0.9457	0.7905	0
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	0.3105	0	0.0406	0.9826	0.9268
Polyplacophora	Lepidopleurus asellus	1.3229	0	0	1.7099	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Porifera	Cliona celata	0	0	0	0	0
Biomass gDWm^{-2}		**250.0426**	**68.7564**	**23.8902**	**8.4142**	**22.1515**

Taxonomic group	Species	H - 5	H - 6	I - 1	I - 2	I - 3
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0	0	0.0117	0	0
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	0	0	0	0.0037
Polychaeta	Chone duneri	0.0236	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	0	0	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	0
Polychaeta	Glycera capitata	0	0.0083	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0.0109	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0.1909	0	0	0
Polychaeta	Magelona alleni	0.0137	0.0114	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	0.397	0	0.0915	1.0235
Polychaeta	Nephtys longosetosa	0	0	0	0	0.0601
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	0.2936	0.0048	0.0769	0.3448	0.1526
Polychaeta	Orbinia sertulata	0	0	0	0	0
Polychaeta	Owenia fusiformis	0	0.0313	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0	0	0.0053	0	0
Polychaeta	Pholoe inornata	0	0.0015	0.0026	0	0
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0
Polychaeta	Phyllodoce maculata	0	0	0	0	0

Taxonomic group	Species	H - 5	H - 6	I - 1	I - 2	I - 3
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0.0785	0	0	0
Polychaeta	Polycirrus medusa	0	0	0	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0.0058	0	0	0
Polychaeta	Pomatoceros triqueter	0	0.0396	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	0.0129	0.1477	0.1912	0.0032	0.044
Polychaeta	Spio filicornis	0.0387	0.0203	0.0076	0	0.0268
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0.007	0.0028	0.0527	0	0
Polychaeta	Travisia forbesi	0	0	0	0	0
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	1018.506	0	0.0599	412.1482	0.0519
Bivalvia	Astarte borealis	0.1008	0	0	1.4667	0
Bivalvia	Chamelia striatula	45.5475	0	0.1055	0	0
Bivalvia	Cochlodesma praetenue	0.0915	0	0.1026	0.6668	0.2406
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0	0	0	0.0153	0
Bivalvia	Dosinia lupinus	0	0	0.1046	0.3298	0.2144
Bivalvia	Ensis directus	0	0	0	0.8574	0
Bivalvia	Gari fervensis	0.0289	0.0405	0.037	3.022	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0.2733	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0	0	0
Bivalvia	Modiolus modiolus	0	827.1149	0	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0.1219	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	2.1768	0.2673	0	0.355
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Tellina fabula	1.9473	0	0.0237	0.3805	0
Bivalvia	Tellina pygmaea	0	0	0	0.5977	0.0554
Bivalvia	Tellina tenuis	0	0	0.0052	0	0
Bivalvia	Thracia papyracea	0.1803	0.0167	0.4175	0	0
Bivalvia	Thyasira flexuosa	0	0	0	0	0

Taxonomic group	Species	H - 5	H - 6	I - 1	I - 2	I - 3
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0.0997	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	0.1017	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	0	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0.0817	0	0	0
Gastropoda	Turritella communis	0	0	7.5365	0	0
Crustacea	Ampelisca brevicornis	0	0	0.0168	0	0
Crustacea	Ampelisca tenuicornis	0.0248	0.0335	0.0373	0.0128	0.0045
Crustacea	Atylus vedlomensis	0	0.001	0	0	0
Crustacea	Balanus balanus	0	0	0	0	0
Crustacea	Balanus crenatus	0	0	0	0	0
Crustacea	Bathyporeia elegans	0.0556	0	0.0541	0.0191	0.1247
Crustacea	Bathyporeia guilliamsoniana	0.026	0	0	0.0437	0.0194
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0.001
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0.0058	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0.0054	0	0	0
Crustacea	Corophium crassicorne	0	0	0	0	0
Crustacea	Ericthonius brasiliensis	0	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0.1118	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0	0	0	0.0279	0
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0.0035	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0
Crustacea	Microdeutopus sp.	0	0	0	0	0

Taxonomic group	Species	H - 5	H - 6	I - 1	I - 2	I - 3
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0.006	0	0
Crustacea	Pontocrates arenarius	0	0	0.005	0	0
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	0.0033	0	0.0013
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0	0	0	0	0
Crustacea	Urothoe poseidonis	0.0136	0	0	0	0
Echinodermata	Amphiura filiformis	0	0.1427	0	0	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	0	31.9188	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	8.4595	0
Echinodermata	Echinocyamus pusillus	0	0	0.1294	0.2425	0.089
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	1.9558	0	0	0
Echinodermata	Ophiothrix fragilis	0	12.524	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Abietinaria abietina	0	0	0	0	0
Cnidaria	Alcyonium digitatum	0	0	0	0	0
Cnidaria	Edwardsia sp.	0.029	0.019	0	0	0.0176
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0	0
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	2.711	0.896	1.0359	0	0.1955
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	0	0	0.0265	0.8889	0
Polyplacophora	Lepidopleurus asellus	0	3.3289	0	0	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Porifera	Cliona celata	0	0	0	0	0
Biomass gDWm^{-2}		**1069.651**	**881.585**	**10.5495**	**429.7301**	**2.681**

Taxonomic group	Species	I - 4	I - 5	J - 1	J - 2	J - 3
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0.0272	0	0.0053	0	0.0045
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0.0046	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Chaetozone setosa	0	0.0148	0.0122	0	0
Polychaeta	Chone duneri	0	0	0	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	0	0	0.001	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0.0882	0	0	0
Polychaeta	Glycera capitata	0.0138	0	0	0	0
Polychaeta	Glycinde nordmanni	0	0	0	0	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0	0	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	0	0	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	2.6571
Polychaeta	Nephtys caeca	0	0	0	0	0
Polychaeta	Nephtys longosetosa	0	0	0.3122	0.1598	0
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	0.3999	0.2698	0.1385	0.1167	0.2712
Polychaeta	Orbinia sertulata	0	0.0121	0	0	0
Polychaeta	Owenia fusiformis	0	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0	0	0	0	0.0015
Polychaeta	Pholoe inornata	0.001	0	0.0018	0.0035	0
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0
Polychaeta	Phyllodoce maculata	0	0	0	0	0

Taxonomic group	Species	I - 4	I - 5	J - 1	J - 2	J - 3
Polychaeta	Phyllodoce sp.	0	0	0.001	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0	0	0
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0	0.0393	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	0.1367	0.0242	0.0859	0.0389	0.731
Polychaeta	Spio filicornis	0	0.0193	0.0045	0.0542	0.0271
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0	0.0791	0.0399	0	0.0108
Polychaeta	Travisia forbesi	0.4878	0	0.0587	0	0.0793
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	0	0	343.1635	0	0
Bivalvia	Astarte borealis	0.0224	13.1838	0.2208	0	0
Bivalvia	Chamelia striatula	0	0	0	0	0
Bivalvia	Cochlodesma praetenue	0	0	0	0	0
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0	0.0242	0	0	0
Bivalvia	Dosinia lupinus	0	0	0.1818	0.8288	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	2.2854	0	0.0208	0	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0	0	0
Bivalvia	Modiolus modiolus	0	0	0	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0	0	0	0.4132
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0.0695
Bivalvia	Tellina fabula	0	0	0	0.9277	0
Bivalvia	Tellina pygmaea	0	0.1094	0	0.0232	0
Bivalvia	Tellina tenuis	0	0	0.0133	0	0
Bivalvia	Thracia papyracea	0	0	0.1673	0.2134	0
Bivalvia	Thyasira flexuosa	0	0	0	0	0

Taxonomic group	Species	I - 4	I - 5	J - 1	J - 2	J - 3
Bivalvia	Timoclea ovata	0	0	0	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0.0341	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	3.2478	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0	0	0	0.0184
Crustacea	Ampelisca tenuicornis	0.0229	0.0516	0.0249	0.012	0.0031
Crustacea	Atylus vedlomensis	0	0	0	0	0
Crustacea	Balanus balanus	0	0	0	0	0
Crustacea	Balanus crenatus	0	0	0	0	0
Crustacea	Bathyporeia elegans	0.0969	0.0119	0.0196	0.0656	0.0498
Crustacea	Bathyporeia guilliamsoniana	0.0121	0.0162	0.0308	0.0453	0
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0.002	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0.0259	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	0	0
Crustacea	Cheirocratus sundevalli	0	0	0	0	0
Crustacea	Corophium bonelli	0	0	0.001	0	0
Crustacea	Corophium crassicorne	0	0	0.0053	0	0
Crustacea	Ericthonius brasiliensis	0	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0	0	0
Crustacea	Leptocheirus hirsutimanus	0	0.0115	0.084	0	0
Crustacea	Leucothoe incisa	0	0	0.0055	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0
Crustacea	Microdeutopus sp.	0	0	0	0	0

Taxonomic group	Species	I - 4	I - 5	J - 1	J - 2	J - 3
Crustacea	Monoculodes carinatus	0	0	0	0	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0
Crustacea	Pontocrates arenarius	0	0	0.004	0	0
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0.001	0	0	0.0018
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0.0112	0.0054	0.0039	0	0.0012
Crustacea	Urothoe poseidonis	0.0241	0	0	0.0147	0
Echinodermata	Amphiura filiformis	0.2702	0.1251	0	0	0
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	0	0	0	146.3084	5.8075
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	0.1284	0.2064	0.4713	0	0
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Abietinaria abietina	0	0	0	0	0
Cnidaria	Alcyonium digitatum	0	0	0	0	0
Cnidaria	Edwardsia sp.	0.0086	0.0202	0	0.0895	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0.0029	0
Sipuncula	Sipunculus sp.	0	0	0	0	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	0.9607	0.3754	0.4852	1.6859	0.6919
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	0.0858	0.2326	0.0501	0.1556	0.1944
Polyplacophora	Lepidopleurus asellus	0	0.1268	0.6822	0	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Porifera	Cliona celata	0	0	0	0	0
Biomass gDWm^{-2}		**5.0312**	**15.0136**	**349.6083**	**150.7471**	**11.0333**

Taxonomic group	Species	J - 4	K - 1	K - 2	K - 3	L - 1
Polychaeta	Aglaophamus rubella	0	0	0	0	0
Polychaeta	Ampharete finmarchica	0	0	0.0158	0	0
Polychaeta	Ampharetidae	0	0	0	0	0
Polychaeta	Amphitrite cirrata	0	0	0	0	0
Polychaeta	Aonides paucibranchiata	0	0	0	0	0
Polychaeta	Aricidea sueccica	0	0	0	0	0
Polychaeta	Bylgides sarsi	0	0	0	0	0
Polychaeta	Chaetozone setosa	0.0084	0	0.0089	0	0
Polychaeta	Chone duneri	0	0	0.0123	0	0
Polychaeta	Cirratulidae	0	0	0	0	0
Polychaeta	Cirratulus cirratus	0	0	0	0	0
Polychaeta	Eteone longa	0	0	0.0011	0	0
Polychaeta	Eunoe nodosa	0	0	0	0	0
Polychaeta	Exogone naidina	0	0	0	0	0
Polychaeta	Gattyana cirrosa	0	0	0	0	0
Polychaeta	Glycera alba	0	0	0	0	0.0384
Polychaeta	Glycera capitata	0	0	0	0.043	0
Polychaeta	Glycinde nordmanni	0	0	0	0.0296	0
Polychaeta	Goniada maculata	0	0	0	0	0
Polychaeta	Goniadella bobretzkii	0	0	0.0054	0.0041	0
Polychaeta	Harmothoe antilopes	0	0	0	0	0
Polychaeta	Harmothoe imbricata	0	0	0	0	0
Polychaeta	Harmothoe sp.	0	0	0	0	0
Polychaeta	Heteromastus filiformis	0	0	0	0	0
Polychaeta	Hydroides norvegica	0	0	0	0	0.0155
Polychaeta	Lepidonotus squamatus	0	0	0	0	0
Polychaeta	Magelona alleni	0	0	0	0	0
Polychaeta	Magelona papillicornis	0	0	0	0	0
Polychaeta	Myriochele oculata	0	0	0.0086	0	0
Polychaeta	Nephtys assimilis	0	0	0	0	0
Polychaeta	Nephtys caeca	0	0.2076	0	0	0
Polychaeta	Nephtys longosetosa	0	0	0	0	0
Polychaeta	Nereimyra punctata	0	0	0	0	0
Polychaeta	Nicolea zostericola	0	0	0	0	0
Polychaeta	Ophelia borealis	0.029	0.3454	0.254	0.3134	0.208
Polychaeta	Orbinia sertulata	0	0.0086	0	0.0399	0
Polychaeta	Owenia fusiformis	0	0	0	0	0
Polychaeta	Paraonis fulgens	0	0	0	0	0
Polychaeta	Pectinaria koreni	0	0	0	0	0
Polychaeta	Pherusa plumosa	0	0	0	0	0
Polychaeta	Pholoe balthica	0	0	0.0163	0	0
Polychaeta	Pholoe inornata	0.0014	0	0.0057	0.0247	0
Polychaeta	Phyllodoce groenlandica	0	0	0	0	0
Polychaeta	Phyllodoce maculata	0	0	0	0	0

Taxonomic group	Species	J - 4	K - 1	K - 2	K - 3	L - 1
Polychaeta	Phyllodoce sp.	0	0	0	0	0
Polychaeta	Pisione remota	0	0	0	0	0
Polychaeta	Pista cristata	0	0	0.1248	0	0.0054
Polychaeta	Platynereis dumerili	0	0	0	0	0
Polychaeta	Polycirrus medusa	0	0	0.2483	0	0
Polychaeta	Polydora caeca	0	0	0	0	0
Polychaeta	Polydora sp.	0	0	0	0	0
Polychaeta	Pomatoceros triqueter	0	0	0	0.0359	0
Polychaeta	Prionospio fallax	0	0	0	0	0
Polychaeta	Pseudopolydora pulchra	0	0	0	0	0
Polychaeta	Pygospio elegans	0	0	0	0	0
Polychaeta	Scalibregma inflatum	0	0	0	0	0
Polychaeta	Scoloplos armiger	0.0074	0.0029	0.0997	0.011	0.2637
Polychaeta	Spio filicornis	0	0.009	0.0015	0	0.019
Polychaeta	Spio sp.	0	0	0	0	0
Polychaeta	Spiophanes bombyx	0	0	0.0048	0	0.0162
Polychaeta	Travisia forbesi	0	0	0.0198	0	0.2728
Bivalvia	Abra prismatica	0	0	0	0	0
Bivalvia	Arctica islandica	1172.932	0	0	0	297.0613
Bivalvia	Astarte borealis	0.3454	0.1956	0.1155	0	0
Bivalvia	Chamelia striatula	0	0	0	0	0
Bivalvia	Cochlodesma praetenue	0	0.024	0	0	0
Bivalvia	Corbula gibba	0	0	0	0	0
Bivalvia	Crenella decussata	0	0.0287	0.0086	0.062	0
Bivalvia	Dosinia lupinus	0	0	0	0	0
Bivalvia	Ensis directus	0	0	0	0	0
Bivalvia	Gari fervensis	0	0	0	0	0
Bivalvia	Heteranomia squamula	0	0	0	0	0
Bivalvia	Hiatella arctica	0	0	0	0	0
Bivalvia	Kurtiella bidentata	0	0	0	0	0
Bivalvia	Modiolarca subpicta	0	0	0.043	0	0
Bivalvia	Modiolus modiolus	0	0	0	0	0
Bivalvia	Mya arenaria	0	0	0	0	0
Bivalvia	Mytilus edulis	0	0	0	0	0
Bivalvia	Nucula nitidosa	0	0	0	0	0
Bivalvia	Parvicardium ovale	0	0	0	0	0
Bivalvia	Parvicardium scabrum	0	0	0	0	0
Bivalvia	Phaxas pellucidus	0	0	0	0	0
Bivalvia	Spisula solida	0	0	0	0	0
Bivalvia	Tellimya ferruginosa	0	0	0	0	0
Bivalvia	Tellina fabula	0	0	0	0	0
Bivalvia	Tellina pygmaea	0	0	0	0.1883	0
Bivalvia	Tellina tenuis	0	0	0	0	0
Bivalvia	Thracia papyracea	0	0.0508	0.0221	0.061	0.0215
Bivalvia	Thyasira flexuosa	0	0	0	0	0

Taxonomic group	Species	J - 4	K - 1	K - 2	K - 3	L - 1
Bivalvia	Timoclea ovata	0	0.1651	2.8953	0	0
Gastropoda	Akera bullata	0	0	0	0	0
Gastropoda	Aporrhais pespelicani	0	0	0	0	0
Gastropoda	Buccinum undatum	0	0	0	0	0
Gastropoda	Capulus ungaricus	0	0	0	0	0
Gastropoda	Cylichna cylindracea	0	0	0	0	0
Gastropoda	Diaphana minuta	0	0	0	0	0
Gastropoda	Epitonium turtonis	0	0	0	0	0
Gastropoda	Gibbula tumida	0	0	0	0	0
Gastropoda	Mangelia coarctata	0	0	0	0	0
Gastropoda	Onoba semicostata	0	0	0	0	0
Gastropoda	Philine punctata	0	0	0	0	0
Gastropoda	Pollinices pulchellus	0	0	1.5142	0	0
Gastropoda	Tectura virginea	0	0	0	0	0
Gastropoda	Testudinalia testudinalis	0	0	0	0	0
Gastropoda	Turritella communis	0	0	0	0	0
Crustacea	Ampelisca brevicornis	0	0	0	0	0
Crustacea	Ampelisca tenuicornis	0.0041	0.0831	0.1106	0.0701	0.038
Crustacea	Atylus vedlomensis	0	0	0	0	0.0031
Crustacea	Balanus balanus	0	0	0	0	0
Crustacea	Balanus crenatus	0	0	0	0	0
Crustacea	Bathyporeia elegans	0.0083	0.0087	0.0029	0.0106	0.0059
Crustacea	Bathyporeia guilliamsoniana	0.0247	0.0195	0.0032	0.0232	0.004
Crustacea	Bathyporeia pilosa	0	0	0	0	0
Crustacea	Bathyporeia sp.	0	0	0	0	0
Crustacea	Caprella linearis	0	0	0	0	0
Crustacea	Cheirocratus assimilis	0	0	0	0	0
Crustacea	Cheirocratus intermedius	0	0	0	0	0
Crustacea	Cheirocratus sp.	0	0	0	0.002	0
Crustacea	Cheirocratus sundevalli	0	0	0	0.0044	0
Crustacea	Corophium bonelli	0	0	0	0	0
Crustacea	Corophium crassicorne	0	0.0114	0.0064	0.0193	0.0024
Crustacea	Ericthonius brasiliensis	0	0	0	0	0
Crustacea	Galathea intermedia	0	0	0	0	0
Crustacea	Gastrosaccus spinifer	0	0	0	0	0
Crustacea	Hippomedon denticulatus	0	0	0	0	0
Crustacea	Iphimedia obesa	0	0	0	0	0
Crustacea	Isaeidae	0	0	0.0021	0	0.0041
Crustacea	Leptocheirus hirsutimanus	0.021	0.0381	0.0223	0.1183	0.0348
Crustacea	Leucothoe incisa	0	0	0	0	0
Crustacea	Liocarcinus depurator	0	0	0	0	0
Crustacea	Megaluropus agilis	0	0	0	0	0
Crustacea	Megamphopus cornutus	0	0	0	0	0
Crustacea	Microdeutopus gryllotalpa	0	0	0	0	0
Crustacea	Microdeutopus sp.	0	0	0	0	0

Taxonomic group	Species	J - 4	K - 1	K - 2	K - 3	L - 1
Crustacea	Monoculodes carinatus	0	0	0	0.0166	0
Crustacea	Oedicerotidae	0	0	0	0	0
Crustacea	Pagurus bernhardus	0	0	0	0	0
Crustacea	Pariambus typicus	0	0	0	0	0
Crustacea	Phoxocephalus holboelli	0	0	0	0	0
Crustacea	Phthisica marina	0	0	0	0	0
Crustacea	Pinnotheres pisum	0	0	0	0	0
Crustacea	Pontocrates altamarinus	0	0	0	0	0.001
Crustacea	Pontocrates arenarius	0.0041	0	0	0.0032	0
Crustacea	Pontocrates sp.	0	0	0	0	0
Crustacea	Siphonoectes kroyerianus	0	0	0	0.0018	0
Crustacea	Tanaidacea	0	0	0	0	0
Crustacea	Urothoe elegans	0.003	0	0.0091	0.01683	0
Crustacea	Urothoe poseidonis	0	0	0	0.0033	0
Echinodermata	Amphiura filiformis	0.4423	0.0461	0.4672	0.3692	0.0046
Echinodermata	Asterias rubens	0	0	0	0	0
Echinodermata	Echinocardium cordatum	51.9239	0	0	0	0
Echinodermata	Echinocardium flavescens	0	0	0	0	0
Echinodermata	Echinocyamus pusillus	0.1846	0.6695	0.2913	0.6176	0.4296
Echinodermata	Psamechinus miliaris	0	0	0	0	0
Echinodermata	Spatangus purpureus	0	0	0	0	0
Echinodermata	Ophiopholis aculeata	0	0	0	0	0
Echinodermata	Ophiothrix fragilis	0	0	0	0	0
Echinodermata	Martasterias glacialis	0	0	0	0	0
Cnidaria	Abietinaria abietina	0	0	0	0	0
Cnidaria	Alcyonium digitatum	0	0	0	0	0
Cnidaria	Edwardsia sp.	0	0.0051	0	0	0
Plathyhelminthes	Turbellaria	0	0	0	0	0
Nemertea	Nemertini	0	0	0	0	0
Sipuncula	Sipunculus sp.	0.0033	0	0.0019	0.0035	0
Pycnogonida	Pycnogonida indet	0	0	0	0	0
Phoronida	Phoronis sp.	0.9022	0	0	0	0
Ascidiacea	Ascidiella adspersa	0	0	0	0	0
Cephalochordata	Branchiostoma lanceolatum	0.0327	0.2934	0.0116	0.553	0.0017
Polyplacophora	Lepidopleurus asellus	0.0063	0.5436	0.128	0.1956	0
Polyplacophora	Tonicella marmorea	0	0	0	0	0
Porifera	Cliona celata	0	0	0	0	0
Biomass gDWm^{-2}		**1226.884**	**2.7562**	**6.4823**	**2.84143**	**298.451**

Taxonomic Group	Species	Total biomass (80 stations) $gDWm^{-2}$	% of Total biomass
Polychaeta	Aglaophamus rubella	0.6445	0.002
Polychaeta	Ampharete finmarchica	0.8505	0.002
Polychaeta	Ampharetidae	0.0211	0.000
Polychaeta	Amphitrite cirrata	0.2442	0.001
Polychaeta	Aonides paucibranchiata	0.1008	0.000
Polychaeta	Aricidea sueccica	0.0018	0.000
Polychaeta	Bylgides sarsi	0.003	0.000
Polychaeta	Chaetozone setosa	0.2262	0.001
Polychaeta	Chone duneri	0.1056	0.000
Polychaeta	Cirratulidae	0.0042	0.000
Polychaeta	Cirratulus cirratus	0.0488	0.000
Polychaeta	Eteone longa	0.0515	0.000
Polychaeta	Eunoe nodosa	0.1918	0.001
Polychaeta	Exogone naidina	0.0098	0.000
Polychaeta	Gattyana cirrosa	0.3245	0.001
Polychaeta	Glycera alba	0.5994	0.002
Polychaeta	Glycera capitata	0.1527	0.000
Polychaeta	Glycinde nordmanni	0.0522	0.000
Polychaeta	Goniada maculata	0.2324	0.001
Polychaeta	Goniadella bobretzkii	0.0513	0.000
Polychaeta	Harmothoe antilopes	0.0281	0.000
Polychaeta	Harmothoe imbricata	0.0266	0.000
Polychaeta	Harmothoe sp.	0.0109	0.000
Polychaeta	Heteromastus filiformis	0.0029	0.000
Polychaeta	Hydroides norvegica	0.0761	0.000
Polychaeta	Lepidonotus squamatus	1.7139	0.005
Polychaeta	Magelona alleni	0.2828	0.001
Polychaeta	Magelona papillicornis	0.003	0.000
Polychaeta	Myriochele oculata	0.1412	0.000
Polychaeta	Nephtys assimilis	3.0883	0.008
Polychaeta	Nephtys caeca	14.6951	0.039
Polychaeta	Nephtys longosetosa	6.2438	0.016
Polychaeta	Nereimyra punctata	0.2232	0.001
Polychaeta	Nicolea zostericola	0.0533	0.000
Polychaeta	Ophelia borealis	18.6131	0.049
Polychaeta	Orbinia sertulata	1.1516	0.003
Polychaeta	Owenia fusiformis	0.319	0.001
Polychaeta	Paraonis fulgens	0.0028	0.000
Polychaeta	Pectinaria koreni	0.2176	0.001
Polychaeta	Pherusa plumosa	5.2746	0.014
Polychaeta	Pholoe balthica	0.206	0.001
Polychaeta	Pholoe inornata	0.2555	0.001

Taxonomic Group	Species	Total biomass (80 stations) $gDWm^{-2}$	% of Total biomass
Polychaeta	Phyllodoce groenlandica	0.536	0.001
Polychaeta	Phyllodoce maculata	0.0055	0.000
Polychaeta	Phyllodoce sp.	0.001	0.000
Polychaeta	Pisione remota	0.0022	0.000
Polychaeta	Pista cristata	0.1302	0.000
Polychaeta	Platynereis dumerili	0.3341	0.001
Polychaeta	Polycirrus medusa	0.9864	0.003
Polychaeta	Polydora caeca	0.002	0.000
Polychaeta	Polydora sp.	0.0097	0.000
Polychaeta	Pomatoceros triqueter	0.5238	0.001
Polychaeta	Prionospio fallax	0.0012	0.000
Polychaeta	Pseudopolydora pulchra	0.0267	0.000
Polychaeta	Pygospio elegans	0.0096	0.000
Polychaeta	Scalibregma inflatum	0.0572	0.000
Polychaeta	Scoloplos armiger	12.92792	0.034
Polychaeta	Spio filicornis	1.5523	0.004
Polychaeta	Spio sp.	0.0846	0.000
Polychaeta	Spiophanes bombyx	1.6143	0.004
Polychaeta	Travisia forbesi	1.2429	0.003
Bivalvia	Abra prismatica	0.0539	0.000
Bivalvia	Arctica islandica	25127.78	66.298
Bivalvia	Astarte borealis	29.0862	0.077
Bivalvia	Chamelia striatula	300.4699	0.793
Bivalvia	Cochlodesma praetenue	9.93	0.026
Bivalvia	Corbula gibba	0.1248	0.000
Bivalvia	Crenella decussata	1.0545	0.003
Bivalvia	Dosinia lupinus	165.8369	0.438
Bivalvia	Ensis directus	2.1946	0.006
Bivalvia	Gari fervensis	17.928	0.047
Bivalvia	Heteranomia squamula	0.0101	0.000
Bivalvia	Hiatella arctica	0.609	0.002
Bivalvia	Kurtiella bidentata	0.5366	0.001
Bivalvia	Modiolarca subpicta	0.6871	0.002
Bivalvia	Modiolus modiolus	9459.592	24.959
Bivalvia	Mya arenaria	4.8146	0.013
Bivalvia	Mytilus edulis	2.4315	0.006
Bivalvia	Nucula nitidosa	4.6352	0.012
Bivalvia	Parvicardium ovale	0.84	0.002
Bivalvia	Parvicardium scabrum	0.7476	0.002
Bivalvia	Phaxas pellucidus	10.7475	0.028
Bivalvia	Spisula solida	18.2411	0.048
Bivalvia	Tellimya ferruginosa	0.4767	0.001
Bivalvia	Tellina fabula	6.5245	0.017

Taxonomic Group	Species	Total biomass (80 stations) $gDWm^{-2}$	% of Total biomass
Bivalvia	Tellina pygmaea	4.7112	0.012
Bivalvia	Tellina tenuis	0.1325	0.000
Bivalvia	Thracia papyracea	15.6633	0.041
Bivalvia	Thyasira flexuosa	1.7159	0.005
Bivalvia	Timoclea ovata	3.3576	0.009
Gastropoda	Akera bullata	0.0091	0.000
Gastropoda	Aporrhais pespelicani	41.2065	0.109
Gastropoda	Buccinum undatum	594.8206	1.569
Gastropoda	Capulus ungaricus	1.0231	0.003
Gastropoda	Cylichna cylindracea	0.4017	0.001
Gastropoda	Diaphana minuta	0.013	0.000
Gastropoda	Epitonium turtonis	0.6385	0.002
Gastropoda	Gibbula tumida	0.0805	0.000
Gastropoda	Mangelia coarctata	1.5678	0.004
Gastropoda	Onoba semicostata	0.0289	0.000
Gastropoda	Philine punctata	0.0111	0.000
Gastropoda	Pollinices pulchellus	12.7443	0.034
Gastropoda	Tectura virginea	0.1416	0.000
Gastropoda	Testudinalia testudinalis	0.0828	0.000
Gastropoda	Turritella communis	7.6188	0.020
Crustacea	Ampelisca brevicornis	0.4603	0.001
Crustacea	Ampelisca tenuicornis	1.8079	0.005
Crustacea	Atylus vedlomensis	0.0342	0.000
Crustacea	Bathyporeia elegans	3.4773	0.009
Crustacea	Bathyporeia guilliamsoniana	1.8872	0.005
Crustacea	Bathyporeia pilosa	0.0623	0.000
Crustacea	Bathyporeia sp.	0.0121	0.000
Crustacea	Caprella linearis	0.0161	0.000
Crustacea	Cheirocratus assimilis	0.0504	0.000
Crustacea	Cheirocratus intermedius	0.0678	0.000
Crustacea	Cheirocratus sp.	0.0997	0.000
Crustacea	Cheirocratus sundevalli	0.0247	0.000
Crustacea	Corophium bonelli	0.0762	0.000
Crustacea	Corophium crassicorne	0.2509	0.001
Crustacea	Ericthonius brasiliensis	0.0337	0.000
Crustacea	Galathea intermedia	0.5613	0.001
Crustacea	Gastrosaccus spinifer	0.3872	0.001
Crustacea	Hippomedon denticulatus	0.2163	0.001
Crustacea	Iphimedia obesa	0.004	0.000
Crustacea	Isaeidae	0.0538	0.000
Crustacea	Leptocheirus hirsutimanus	1.3108	0.003
Crustacea	Leucothoe incisa	0.0348	0.000
Crustacea	Liocarcinus depurator	14.7355	0.039

Taxonomic Group	Species	Total biomass (80 stations) $gDWm^{-2}$	% of Total biomass
Crustacea	Megaluropus agilis	0.0068	0.000
Crustacea	Megamphopus cornutus	0.0483	0.000
Crustacea	Microdeutopus gryllotalpa	0.0131	0.000
Crustacea	Microdeutopus sp.	0.0044	0.000
Crustacea	Monoculodes carinatus	0.0847	0.000
Crustacea	Oedicerotidae	0.0074	0.000
Crustacea	Pagurus bernhardus	0.7177	0.002
Crustacea	Pariambus typicus	0.017	0.000
Crustacea	Phoxocephalus holboelli	0.0092	0.000
Crustacea	Phthisica marina	0.0201	0.000
Crustacea	Pinnotheres pisum	0.6465	0.002
Crustacea	Pontocrates altamarinus	0.0249	0.000
Crustacea	Pontocrates arenarius	0.2079	0.001
Crustacea	Pontocrates sp.	0.0044	0.000
Crustacea	Siphonoectes kroyerianus	0.0525	0.000
Crustacea	Tanaidacea	0.0036	0.000
Crustacea	Urothoe elegans	0.11053	0.000
Crustacea	Urothoe poseidonis	0.4809	0.001
Echinodermata	Amphiura filiformis	24.2153	0.064
Echinodermata	Asterias rubens	12.0747	0.032
Echinodermata	Echinocardium cordatum	1596.536	4.212
Echinodermata	Echinocardium flavescens	14.574	0.038
Echinodermata	Echinocyamus pusillus	11.6703	0.031
Echinodermata	Psamechinus miliaris	54.3623	0.143
Echinodermata	Spatangus purpureus	0.9153	0.002
Echinodermata	Ophiopholis aculeata	15.4774	0.041
Echinodermata	Ophiothrix fragilis	21.322	0.056
Echinodermata	Martasterias glacialis	31.5402	0.083
Cnidaria	Edwardsia sp.	1.1006	0.003
Plathyhelminthes	Turbellaria	0.0352	0.000
Nemertea	Nemertini	0.203	0.001
Sipuncula	Sipunculus sp.	0.0406	0.000
Pycnogonida	Pycnogonida indet	0.0085	0.000
Phoronida	Phoronis sp.	108.6303	0.287
Ascidiacea	Ascidiella adspersa	6.4532	0.017
Cephalochordata	Branchiostoma lanceolatum	24.8666	0.066
Polyplacophora	Lepidopleurus asellus	20.3655	0.054
Polyplacophora	Tonicella marmorea	0.5778	0.002
Total Biomass $gDWm^{-2}$		**37901.01**	**100**

Appendix 5 Distribution of bivalves with a maximum shell length below 20 mm

Species	< 5 mm	5 - 6 mm	6 - 7 mm	7 - 8 mm	8 - 9 mm	9 - 10 mm	10 – 11 mm	11 - 12 mm	12 - 13 mm	13 - 14 mm	14 - 15 mm	15 - 16 mm	16 - 17 mm	> 17 mm
Abra prismatica	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Astarte borealis	67	3	1	1	1	0	0	0	1	0	0	0	1	0
Cochlodesma praetenue	13	3	3	1	5	2	1	0	4	2	0	0	2	1
Corbula gibba	5	0	0	0	0	0	0	0	0	0	0	0	0	0
Crenella decussata	93	0	0	0	0	0	0	0	0	0	0	0	0	0
Heteranomia squamula	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Hiatella arctica	4	2	2	0	0	0	0	0	0	0	0	0	0	0
Kurtiella bidentata	56	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolarca subpicta	46	1	1	0	0	0	0	0	0	0	0	0	0	0
Nucula nitidosa	10	2	1	2	1	0	0	0	0	0	0	0	0	0
Parvicardium ovale	8	1	1	0	0	0	0	0	0	0	0	0	0	0
Parvicardium scabrum	1	0	1	0	0	0	0	0	0	1	0	0	0	0
Tellimya ferruginosa	6	1	0	1	0	0	0	0	0	0	0	0	0	0
Tellina fabula	4	0	3	1	0	1	3	3	2	0	1	0	1	0
Tellina tenuis	31	0	0	0	0	0	0	0	0	0	0	0	0	0
Thracia papyracea	117	5	4	6	1	2	2	2	1	1	1	0	1	2
Thyasira flexuosa	1	0	0	0	2	0	0	0	0	0	0	0	0	0
Timoclea ovata	2	0	1	0	0	0	0	0	0	1	0	0	0	0

Appendix 6 Distribution of bivalves with a maximum shell length above 20 mm

Species	< 5 mm	5 - 10 mm	10 - 15 mm	15 - 20 mm	20 - 25 mm	25 - 30 mm	30 - 35 mm	35 - 40 mm	40 - 45 mm	45 - 50 mm	50 - 55 mm	55 - 60 mm	60 - 65 mm	65 - 70 mm	> 70 mm
Arctica islandica	37	6	0	0	0	0	0	0	1	0	1	1	9	9	33
Chamelea striatula	11	4	10	9	4	2	0	0	0	0	0	0	0	0	0
Dosinia lupinus	9	5	5	2	5	1	0	0	0	0	0	0	0	0	0
Ensis directus	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0
Gari fervensis	23	0	1	2	2	2	0	0	0	0	0	0	0	0	0
Modiolus modiolus	1	1	0	1	1	0	1	2	1	1	2	0	0	7	32
Mya arenaria	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Mytilus edulis	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0
Phaxas pellucidus	0	1	4	15	6	0	1	0	0	0	0	0	0	0	0
Spisula solida	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0