6.1. Appendix 1

Gwynt y Môr Marine Benthic Characterisation Survey Report

Centre for Marine and Coastal Studies Ltd

Gwynt y Môr Offshore Wind Farm Marine Benthic Characterisation Survey

Report to: 'npower renewables'

2005

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1. Introduction

The Gwynt y Môr Offshore Wind Farm project area is located within the Liverpool Bay area of the eastern Irish Sea some 13-15km offshore from the North Wales coastline stretching from Prestatyn in the East to Penrhyn Bay in the West. The wind farm has been awarded a lease from the Crown Estates following the DTI (Department of Trade and Industry) Round II offshore wind farm allocation process and will generate a capacity of up to 750MW of electricity to add to the National Grid.

The Centre for Marine and Coastal Studies was commissioned by npower renewables to undertake a characterisation survey of the benthic environment for the Environmental Impact Assessment. Due to the developing nature of the Gwynt y Môr project, the grab survey was completed in three stages to ensure complete coverage of the project area and the associated export cable route.

In 2002 Centre for Marine and Coastal Studies (University of Liverpool) was initially commissioned to undertake a characterisation study of the benthic communities existing in the east section of the Gwynt y Môr site. After methodology was discussed and approved following consultation with the Coutnryside Council for Wales and CEFAS this was undertaken by grab sampling during September 2002. In 2003 the Centre for Marine and Coastal Studies (CMACS) Ltd was subsequently commissioned to undertake a characterisation survey of the Western area of the site using the same methodology as previously undertaken during the survey in 2002. A grab survey was also undertaken during October 2004 for the proposed cable route corridor again using methodology previously agreed with relevant bodies such as Countryside Council for Wales (CCW).

To complete the characterisation of the benthic communities across the project area a beam trawl survey was subsequently completed during 2003/2004. This was undertaken in December, March and August to gather data on demersal fish and epifaunal communities of the area and any major fluctuations in seasonality of these populations.

This report outlines the methodologies used and the main findings of the Gwynt y Môr characterisation survey and the results presented here have been used as point of reference on which to base the impact assessment regarding the construction of the Gwynt y Môr wind farm upon the benthic communities within the immediate vicinity and also the wider marine environment of Liverpool Bay.

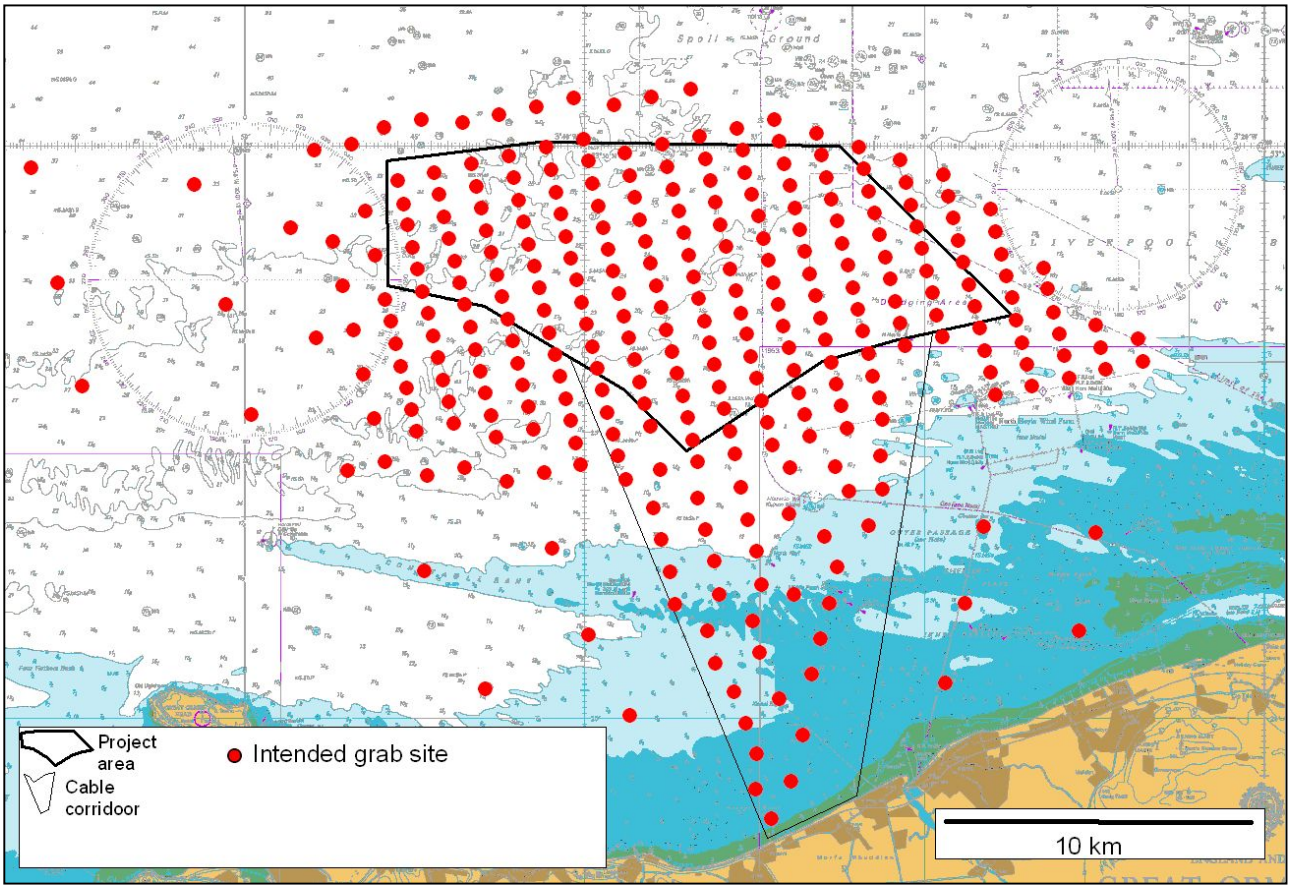


Figure 1 Layout of intended grab samples. See Figure 2 for further details.

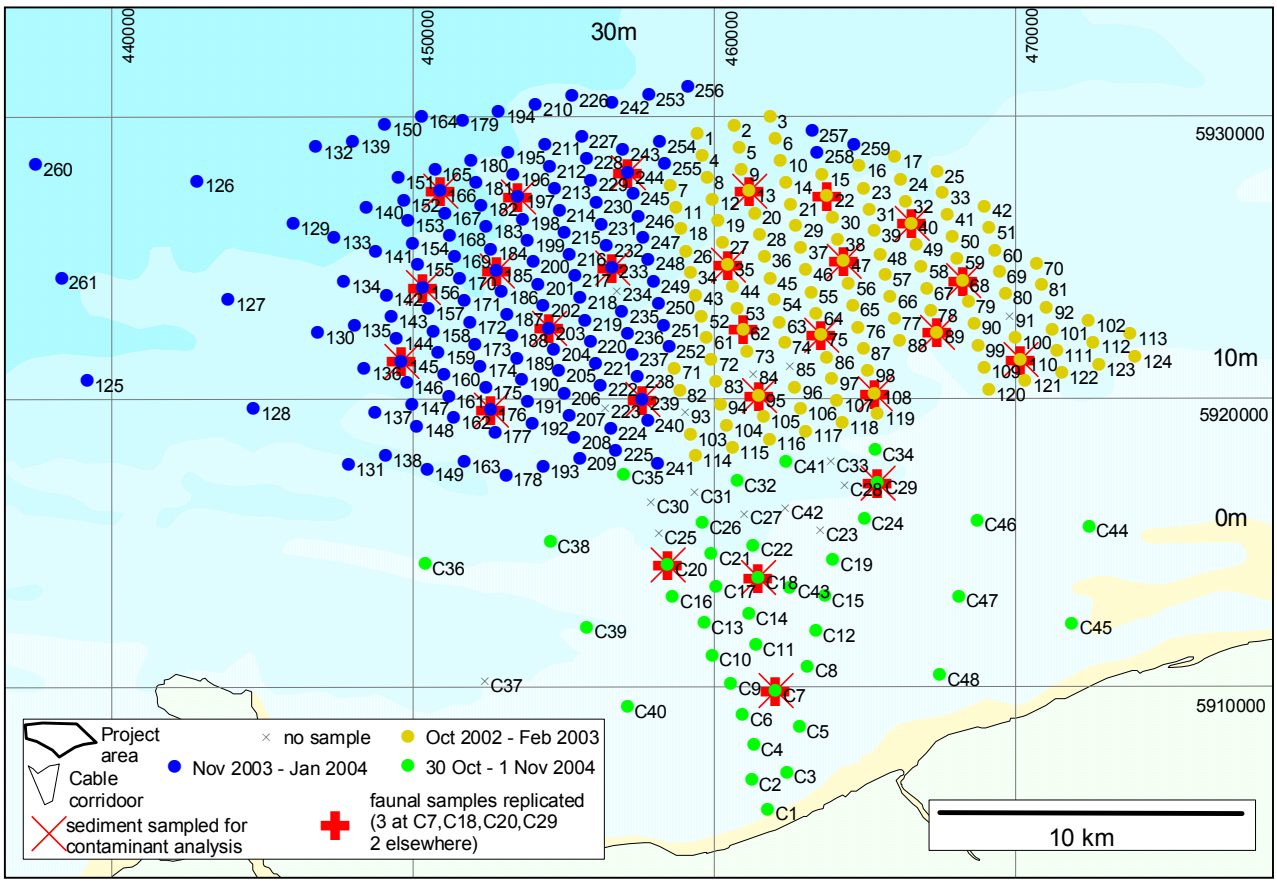


Figure 2 Details of locations of grab sampling sites surveys for analysis of fauna and sediment contamination carried out between October 2002 and November 2004. Single faunal replicate samples were taken at each site except where duplicate or triplicate samples are indicated or where no sample could be obtained.

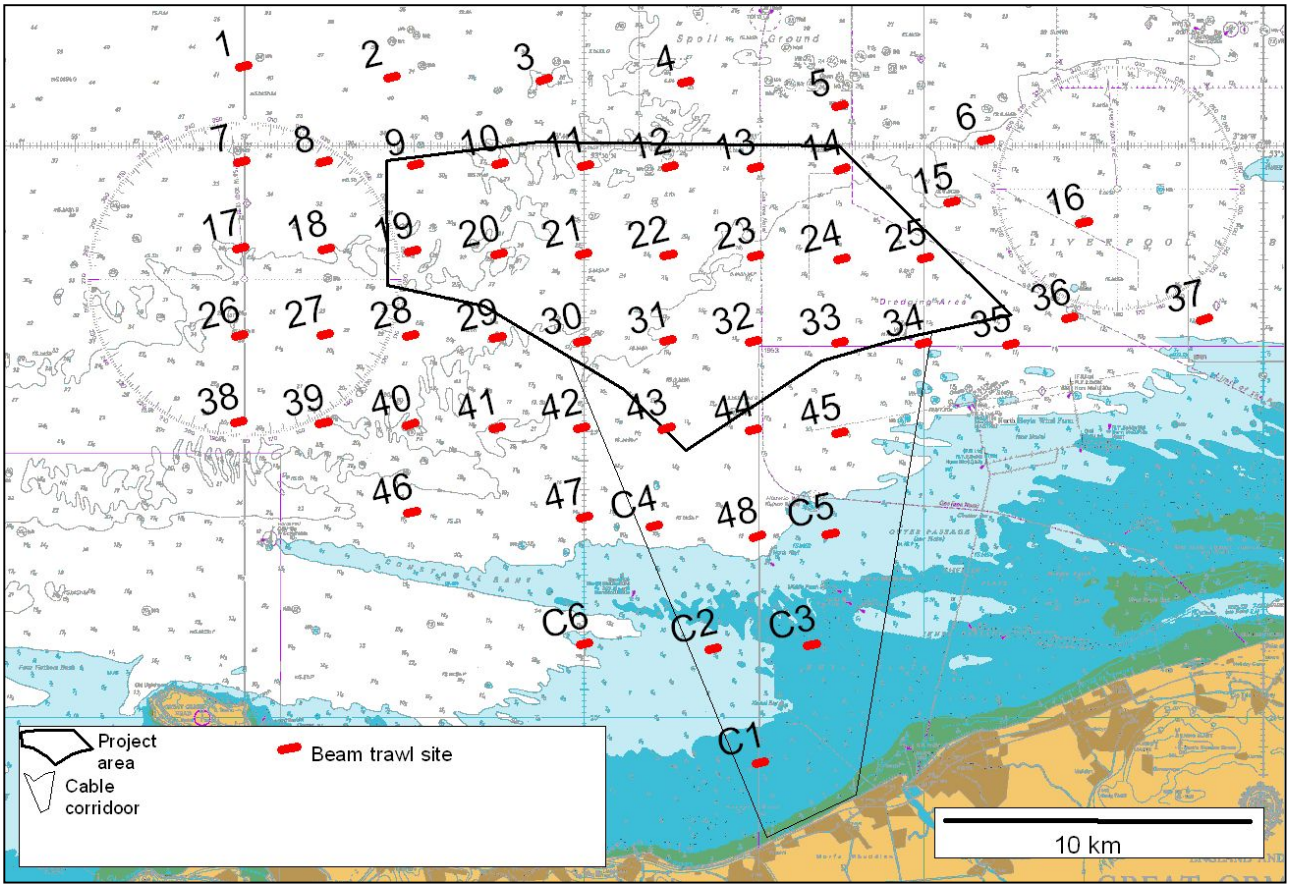


Figure 3 Location of beam trawl sites. Sites 1-48 surveyed in December 2003, March 2004 and August 2004; C1-C6 surveyed only in August 2004.

2. Methods

2.1 Field Survey Methods

All field survey methodologies were dicussed and agreed with the CCW (Countryside Council for Wales) and CEFAS (The Centre for Environment, Fisheries and Aquaculture Sciences) prior to commencement. The intended development area changed in extent considerably during the study period, the net effect of which was that some of the areas located within the south east of the proposed cable corridor to the south of the main survey area were not sampled as part of this characterisation survey (see Figure 2).

2.1.1 Grab Survey

All sites were sampled using the same methodology and the same scientific surveyors. The general survey plan is shown in Figure 1 and more detailed information on samples actually obtained is shown in Figure 2.

The field survey of site numbers 1 to 124 (see Figure 2) was undertaken between September 15th-20th 2002 with the exception of 13 sites (6,19,29,38,57,59,62,65,66,94,96,98 and 116) which were taken on 14th February 2003. All sites were sampled from the survey vessel "Aquatech" (Aquatech Ltd) from the port of Rhyl. Sites 125 to 261 were sampled from 23rd November 2003 to 22nd January 2004 (the sampling period was extended due to bad weather) from the survey vessel "Freja" (OSIRIS Projects) from the port of Conwy. The cable route corridor was sampled between 30th October and 1st November 2004 using the survey boat "Halcyon Days" (Salveson Ltd) from the port of Liverpool.

At each site a 0.1m^2 stainless steel Day grab was used to obtain one or more faunal samples. If any obstruction to the closing of the grab jaws was encountered (e.g. stones, shells etc) or if the lid of the grab was open when it reached the surface the sample was retaken. Samples were also rejected if the volume of sediment within the grab was considered to be less than 5 litres. Once on board the sample was photographed before being gently washed through a 1mm sieve using a seawater hose. The sample was then back-washed into an appropriate sized bucket containg both an internal an external site label. The sample was then preserved using sufficient solution of buffered formalin (10%) to double the amount of liquid within each bucket and adequately cover the sample achieving an overall solution concentration of approximately 4-5%.

At approximately 10% of the locations an extra faunal sample was taken to provide a replicate to investigate replicability over small scales (Figure 2). In the case of samples in and around the cable corridor, three samples were taken at the replicate sites rather than two, at the request of CCW.

To obtain samples for particle size and contaminant analyses a further grab was taken at each site. In this case, grabs were allowed to stand to drain off excess water before a trowel was used to obtain a sufficient sample from the surface of the grab through the "trap door" at the top of the grab. This sample was then placed into a labelled sediment container. At 24 sites an additional sediment sample of approximately 1-2kg was taken for chemical analysis whereby a sterilised plastic trowel was used to obtain the sample for metal testing which was placed into an appropriately labeled plastic container. The trowel was thoroughly rinsed with clean seawater between samples. For the organic chemical contaminant samples a sterilised metal ladle was used to place sediment into hexane washed amber glass jars. The ladle was thoroughly rinsed with clean seawater between samples. All sediment samples were then stored in impermeable cool-storage transportation boxes and frozen as soon as possible.

At all sites the scientific surveyor took field notes which included the estimated volume of each grab in litres, time and date the sample was taken as well as the visual appearance of the sediment.

2.1.2 Beam Trawl Survey

During December 4th-18th 2003, 26th March-2nd April 2004 and 10th August- 12th September 2004 beam trawl surveys were undertaken at site numbers 1-48 with sites C1-C6 being sampled only during the August 2004 survey (see Figure 3). For all three surveys the survey vessel "SandKat" (Salveson-Fox Hydrosurveys) was used out of the port of Conwy.

For all three beam trawl surveys a CEFAS approved 2m beam trawl was used equipped with a chain matrix and 4mm square mesh cod-end. All tows of the trawl were undertaken into the current over a distance of 300m at a speed of 2 knots using a sufficient warp length of a minimum of 2.5 times the water depth to allow the gear to "fish" the bottom properly. At the end of each tow the trawl was retrieved on deck and the whole catch was photographed and the scientific surveyor completed notes regarding the trawl date, time and a brief description of the trawl contents. The catch was then sorted and all fish species identified to species level with commercial species also being measured and any elasmobranch species also being measured as well as sexed. Invertebrate species were identified to species level where possible with some being retained for confirmation of identification in the laboratory (these were preserved in small receptacles using a 10% formalin solution). Once identified all invertebrates were counted and recorded with colonial organisms such as hydroids and bryzoans being weighed (kgs) or recorded as "present" when found in only trivial amounts.

At some sites where very large hauls were obtained subsampling was required. Here the catch was first thoroughly searched for all fish species and large invertebrate species which were removed, identified and recored. The remaining catch was then sub sampled to a manageable fraction before all smaller organisms were identified, counted and recorded. These numbers were then multiplied by the appropriate fraction to get an estimate of the true sample and these numbers added to those found during the initial search. This method was only utilised when extremely large numbers of epifauna or large volumes of shell gravel were encountered.

2.2 Analysis methods

2.2.1 Faunal samples

2.2.1.1 Grab samples

Once collected from the field faunal samples were then analysed using a laboratory which takes part in the National Marine Biology Quality Assurance Scheme (NMBQA). The same laboratory and scientific staff were used for all the grab samples obtained during the characterisation survey.

Each benthic faunal sample was logged into the laboratory sorting sheet by recording the site number, time and date of processing and the sample processors identification. The excess formalin was then removed by gently washing samples using filtered seawater over a 1mm mesh sieve. The entire sample was then methodically searched using forceps and a white enamel tray by the same processor for each sample with all organisms being separated into major taxonomic groups (arthropods, molluscs, echinoderms, worms and others) and preserved in 70% ethanol solution. The chief taxonomist randomly selected one in every ten samples completed by the same sample processor for quality control. If the overall sorting efficiency was found to be less than 95% then the sample processor was required to re-process all ten samples.

After the fauna from each sample had been sorted into the major taxonomic groups the individual organisms were identified to species level and recorded, quantitatively where possible, using nomenclature as defined by the Ulster Museum and Marine Conservation Society Species Directory (Howson and Picton, 1997). Where this was not possible due to either the presence of juvenile specimens or damage, the organisms were identified to genus level or to higher taxa. Colonial organisms such as hydroids, sponges and bryozoans were recorded on a presence/absence basis.

After the identfication was completed the quantitative results for each sample were then entered into a database (Microsoft Office Access 2000). After entry all entered data was checked against the taxonomist's original lab records.

2.2.1.2 Benthic trawls

Where it was necessary to bring invertebrate samples back from the field to the laboratory for the confirmation of identification these were also identified to species level and recorded quantitatively using nomclemture as defined by the nomenclature as defined by the Ulster Museum and Marine Conservation Society Species Directory (Howson and Picton, 1997). All results from the beam trawl surveys were then entered into spreadsheets (Microsoft Office 2000 Excel) with entered data also being checked against the original record sheets. The results were then subjected to further analysis through statistical methods as described in section 2.2.2.

2.2.2 Data analysis

Once the raw data from all surveys was in electronic format (database for benthic grab results and Excel spreadsheet for beam trawl results) statistical analyses were undertaken. A combination of multivariate and univariate statistical analyses were applied to the data. Univariate statistics were used to provide information concerning the number of taxa and individuals including diversity indices (Shannon Wiener) to provide an indication of community features. Multivariate analyses was used to provide information concerning community structures and relationships to aide identification of sub-littoral biotopes. For the multivariate analyses the statistical package PRIMER Version 5 (Clark and Warwick, 1994) was used to undertake SIMPER analyses and produce dendrograms and multi dimensional scaling plots (MDS) using the using the Bray-Curtis similarity coefficient (Bray and Curtis, 1957). Stress values are provided for each MDS plot; a stress value of <0.05 indicates that there is an excellent representation of the relationship between the various samples; 0.1 indicates good ordination and 0.2 indicates a potentially useful 2-dimensional picture (Clarke and Warwick, 1994). SIMPER (Similarity percentages – species contributions) analysis was performed to identify the contribution of individual species to any dissimilarity between faunal communities. Dendrograms were plotted using hierarchical clustering with group average linking.

For analytical purposes those colonial fauna recorded on a presence or absence basis were assigned a value of 1 and different life history stages recorded for the same species were combined. A moderately strong data transformation (square-root) was used for all multivariate analyses as it provides a sensible balance between common and scarce species and would thus reduce the effect of variations in numbers of organisms, which is likely to have occurred as a result of surveys being undertaken during different times of the year, as well as in different years. Exploratory analyses carried out using stronger (4^{th} root) data transformation suggested that there was, in fact, little, if any, noticeable difference between the two treatments.

2.2.3 Sediment samples

2.2.3.1 Physical analysis

Particle Size Analysis (PSA) was undertaken by a UKAS (United Kingdom Accreditation Scheme) accredited laboratory. All sediment samples for PSA analysis were dried to a constant weight using ovens set at a temperature of 70°C. The sediments from each sample were then sieved using a set of Endecott BS 410 test sieves (10.0mm, 5.0mm, 2.00mm, 1.00mm 600µm; 425µm; 300µm; 212µm; 150µm; 63µm meshes). Results from sieving allowed the calculation of mean particle size, and the determination of sorting index by calculating the standard deviation of Phi, which can then be used to determine sediment type. These analyses were carried out in accordance with the methods of Buchanan *et al* (1984) (see Table 1 and Table 2), based on the Wentworth Scale. Since mean particle size is of little use when sediments are not well sorted, further classification was also made using Folk triangles based on Folk (1954) as used by the British Geological Society (Figure 4).

Table 1: Wentworth Scale Classification used for defining sediment type (from Buchanan, 1984)

Wentworth Scale (mm)	Phi units	Sediment types
>256 mm	<-8	Boulders
64 - 256 mm	-8 to -6	Cobble
4 - 64 mm	-6 to -2	Pebble
2 - 4 mm	-2 to -1	Granule
1 - 2 mm	-1 to 0	Very coarse sand
0.5 - 1 mm	0 - 1	Coarse sand
250 - 500 µm	1 - 2	Medium sand
125 - 250 µm	2 - 3	Fine sand
63 - 125 µm	3 - 4	Very fine sand
<63 µm	>4	Silt

Table 2: Classification used defining degree of sediment sorting (from Buchanan, 1984)

Standard Deviation of mean Phi	Classification
<0.35	Very well sorted
0.35 - 0.5	Well sorted
0.5 - 0.71	Moderately well sorted
0.71 - 1	Moderately sorted
1 - 2	Poorly sorted
2 - 4	Very poorly sorted
>4	Extremely poorly sorted

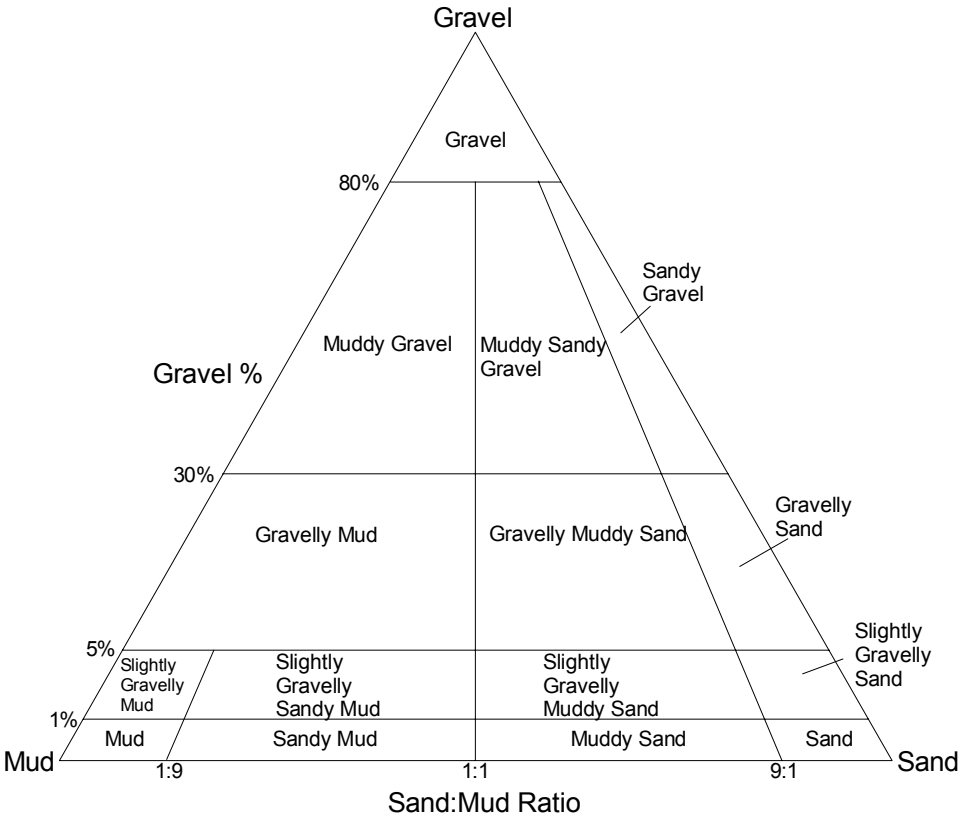


Figure 4: Sediment classification after Folk (1954), where "gravel" refers to particles greater than 2mm and "mud" to particles less than 63µm.

2.2.3.2 Organic content

Organic content of the sediments was investigated using loss on ignition as an index of organic carbon content. Analysis was carried out on a subsample of the <1mm fraction by ashing at 450C after drying at 60°C.

2.2.3.3 Chemical analysis

The frozen samples for chemical analysis were delivered to a UKAS (United Kingdom Accreditation Scheme) accredited laboratory for chemical analysis. All analysis for contaminants was carried out on the <1mm sediment fraction. Many studies carry out contaminant analysis only on very fine fractions (typically <63 µm) since contaminants are often closely associated with the finer particles. However, many other studies use more or less whole sediment with gravel and other larger particles removed, typically by sieving at 1 or 2mm (e.g. Cefas, 1997; Whalley et al, 1999). Since it was known that many of the samples from the study area would have little or no fine component, it was decided that the 1mm fraction would be used in this study. A list of the determinands analysed for and the methods and limits of detection (LOD) used are given in Table 3.

Table 3: Determinands analysed for, methods of analysis and Limits of Detection (LOD) for chemical samples.

Determinand	Analysis method	LOD (mg/kg)
Metals Cu, Cd, Cr, Pb, Zn, Hg, Ni and As	ICP-OES Aqua Regia Digest	1
Organochlorines Organochlorine Suite including pp-DDE, pp-DDD, pp-DDT, op-DDD, A-HCH, B-HCH, G-HCH, HCB, Aldrin, Endrin and Dieldrin	GC-MS	0.001
PCB **ICES 7 Congeners** **(**28, 52, 101, 118, 153, 138 and 180)	GC-MS	0.001
PAH **EPA 16** (Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoroanthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(ah)anthracene, Benzo(ghi)perylene) **Total EPA**	GC-MS EZ Flash	0.001 -

3. Results

3.1 Sediments

3.1.2 Particle Size analysis (PSA)

The results from the particle size analysis are given in Appendix 1 and displayed in Figure 5, Figure 6 and Figure 7. The seabed is mainly composed of medium or coarse sands, which are often poorly sorted with varying amounts of coarser material such as gravel or stones. Inshore sites tended to be well-sorted sands with those sites located in the north and the east of the survey area being coarser and composed of poorly sorted gravelly sands or sandy gravels. Sandier areas were found to the south west of the survey site as well as over much of the cable route area. Areas where samples were unobtainable sue to the hardness of the ground, most notably in the northern part of the cable route area, are likely, from examination of the OSIRIS sidescan survey results (OSIRIS, 2005) as well as field observations during grabbing attempts, to represent poorly sorted mixed sediments with a high proportion of stones. They are therefore probably quite similar to the coarsest sites in the north and east of the study area, However, the sidescan data indicates that much of the northeastern part of the cable route is very noticeably “streaked”, with frequent lines of featureless coarse sands and gravels overlying medium sands and gravels, these streaks being oriented in very roughly ESE / WNW direction.

The overall interpretation of seabed sedijments agrees broadly with the maps of seabed features supplied by OSIRIS Ltd (OSIRIS, 2005) and also with maps of the eastern Irish Sea produced by the British Geological Survey which show an area of sandy gravel roughly in the area of the coarser material found here, surrounded by sandy gravel, but with finer material (slightly gavelly sands) to the west and south, and sands closer inshore and in the region of Constable Bank, ie to the south west of the study site and in the region of the cable route (BGS, 1994).

As sediment characteristics heavily influence the biota which they support these sediment results have been referred to closely with the biota results to produce the biotope classifications (see section 3.4).

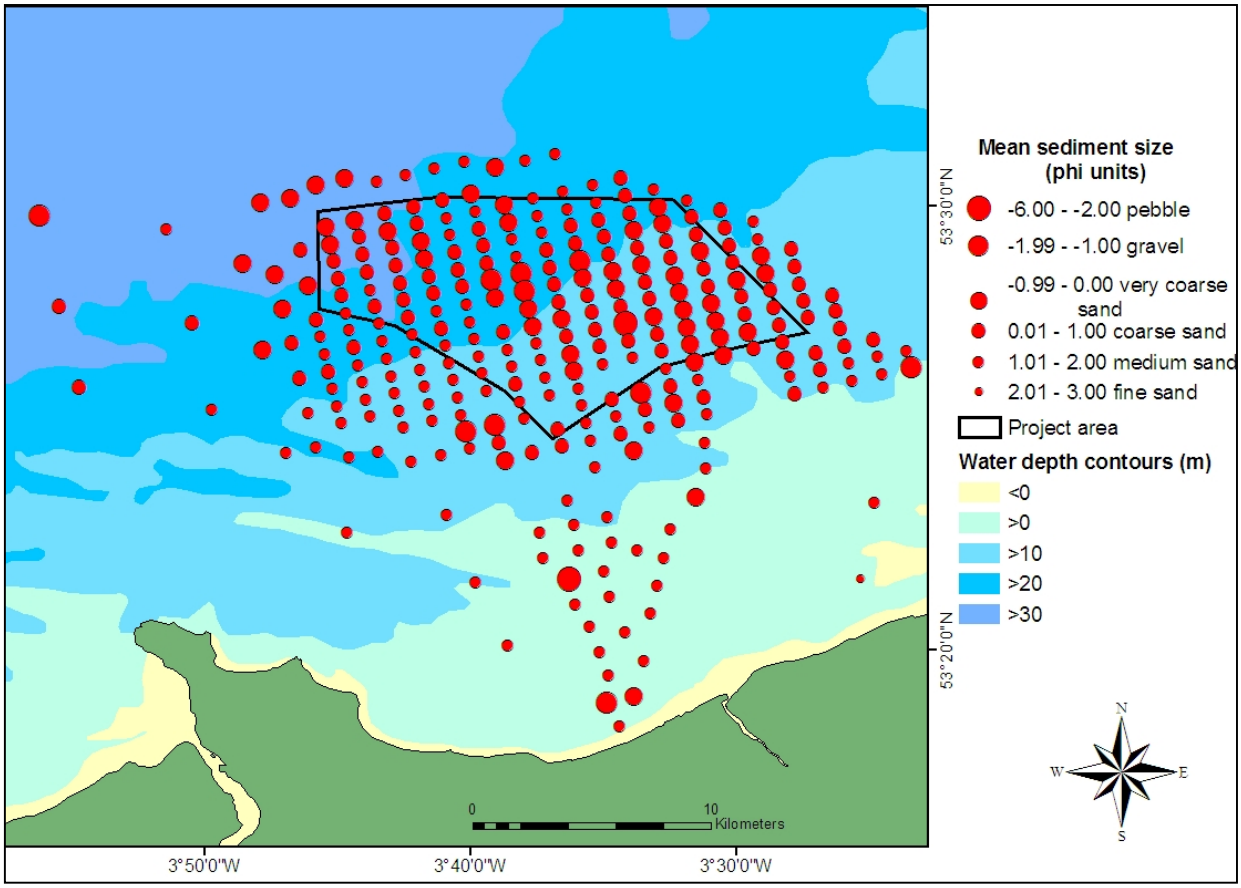


Figure 5: Distribution of sediment grain sizes at each grab site. Larger circles represent large grain sizes, the largest representing pebble, the smallest fine/medium sands (Phi is calculated as the log of grain size hence negative numbers are equal to large grain size).

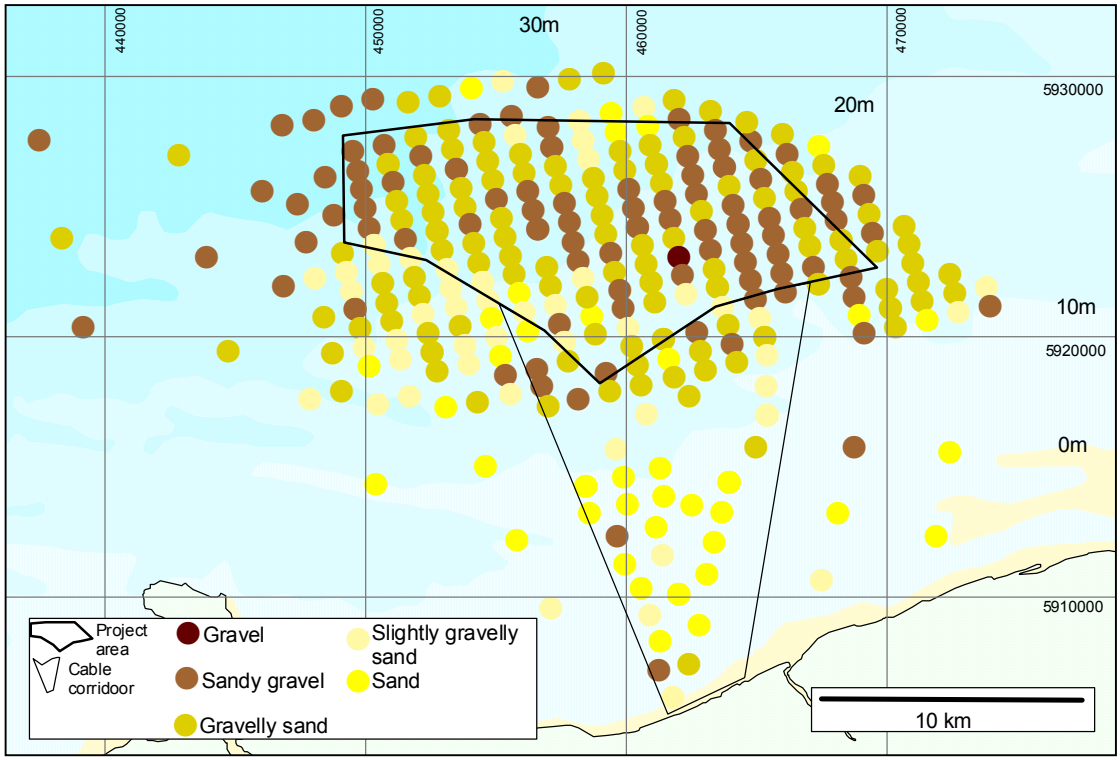


Figure 6: Distribution of sediment type classified according to Folk (1954) as used by the British Geological Society

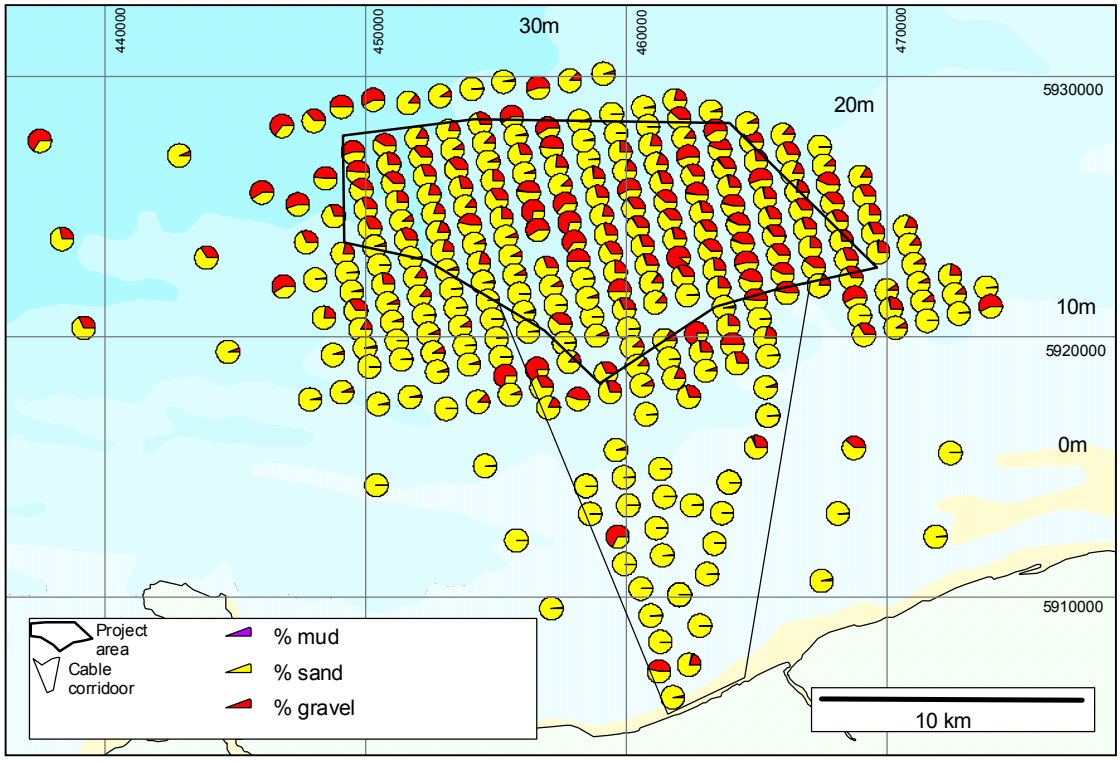


Figure 7: Percentage of sand, gravel and mud found in the sediment samples after particle size analysis.

In the region of the North Hoyle wind farm site the seabed was found to consist of largely of gravelly sand with some small infrequent pockets of fine sand, gravel and clay, and with patches of boulders superimposed on this, particularly to the Northwest of the wind farm site, and frequent smaller stones in places within the wind farm area (CMACS 2002a).

3.1.3 Total organic carbon (TOC)

The results from the TOC analysis are displayed in Appendix 2 and a distribution map displaying these results in Figure 8. Those sites located offshore and to west were all relatively low in organic matter (<0.65%) Inshore sites along the cable corridor had the highest amount of TOC though this was still generally quite low (<2.46%). Surveys carried out at 51 locations at and around the nearby North Hoyle wind farm site in August 2001 found generally similar levels, (range 0.22 to 2.63 mg/g except for two locations which had higher levels at 3.84 and 5.79 mg/g respectively; CMACS, 2002a).

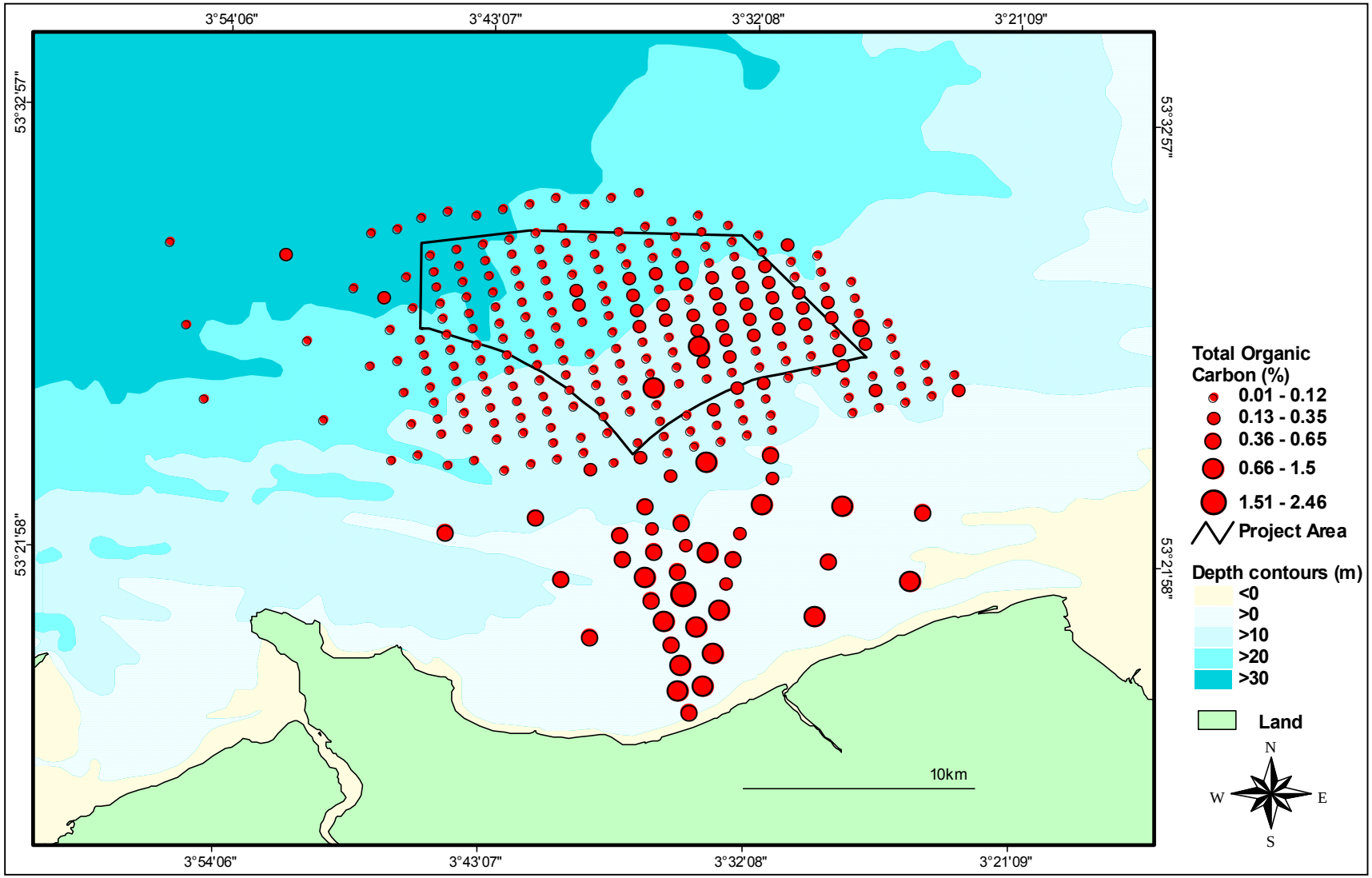


Figure 8: Total Organic Carbon (%) recorded from the grab sites.

3.1.4 Chemical analysis

The results from the chemical analysis are displayed in Appendix 3 and Appendix 4. These are displayed alongside the recommended probable level of effects (PEL) as well as the ISQG interim marine sediment quality guidelines for heavy metals and organo chlorines (after Cole *et al*, 1999). Interim marine sediment quality guidelines (ISQGs) are set as quality guidelines to provide reference points for observing adverse biological effects in aquatic systems (NATURA 2000). The guidelines are derived from the available toxicological information according to the formal protocol established by the Canadian Council of Ministers of the Environment (CCME 1995). The ISQGs represent the lower end of the range of concentrations at which biological effects are occasionally observed on the native fauna of Canada and therefore represent only an indication of the concentrations that may occasionally cause effects within UK waters.

The heavy metal concentrations of the sediments within the area were generally low (see Appendix 3). All values were below the Interim Marine Sediment Quality Guidelines (ISQG) with the exception of Arsenic, which was above its ISQG at 7 sites (156, 166, 176, 185, 197, 239 and 244). However all of the Arsenic values were well below the Probable Effects Level. Relatively high levels of arsenic in sediments compared with the other trace metals appears to be consistent across the region and is attributed geological sources from the erosion of natural mineral sources (Camacho-Ibar, 1991). The levels found during this survey are broadly in line with results from the Irish Sea sites reported within the National Marine Monitoring Programme survey (MPMMG, 1998).

There appears to be no significant difference between the sediment metal concentrations of the offshore and inshore sites.

Organochlorine pesticides such as Aldrin, DDT, Dieldrin and Endrin, have been widely used and therefore are found widely distributed in the environment. In general, these pesticides tend to be highly bioaccumulated by marine organisms resulting in biomagnification in food chains, which poses a threat to fish, sea birds and marine mammals. None of the OCPs tested for were above the limits of detection and all were below the sediment quality guideline limits.

Polychlorinated Biphenyls (PCBs) have known high levels recorded in fish and other biota from Liverpool Bay (MPMMG, 1998) and high levels can be contained within sewage sludge. Results from this survey found that PCB levels were also below the limits of detection. No sediment quality guidelines currently exist for polychlorinated biphenyls.

At some of the sites (mostly on the eastern side of the survey area) the levels of poly-aromatic hydrocarbons (PAHs) were above the interim sediment quality guidelines (where these were available). It is likely that these elevated levels are the result of the historic activity of the oil & gas industries in the region. The results for all the other sites were below the limits of detection and also the quality guidelines.

3.2 Biota

Overall the survey coverage of the Gwynt y Môr project site and the surrounding area was good with only six of the intended 261 sites being impossible to sample due to hard substratum (Figure 2). There was a small area to the south of the project area, mainly encountered during the cable route survey of 2004, where cobble substratum was more dominant and adequate samples for analysis were unobtainable from eight intended locations despite numerous attempts at grab deployment and despite the intended grab locations being moved a few tens of metres in different directions around the originally agreed site. A reference site to the west of the cable route was also not sampled for the same reason. In these areas results from the geophysical surveys (OSIRIS, 2005) indicate that this area is composed of "sandy gravel with patches of cobble". The beam trawl surveys at these particular sites did, however, provide good indicative results as to epibenthic communities it can therefore be concluded that sufficient representative samples were actually obtained).

3.2.1 Species richness

A list of the total number of taxa found during the grab surveys is displayed in the species list located in Appendix 5 with all of the raw data displayed in Appendix 6. Overall 487 taxa were recorded from a total of 326 samples at 296 sites (393 taxa from 133 samples at 121 locations in 2002, 299 taxa from 146 samples from 136 locations in 2003 and 138 taxa from 47 samples at 39 sites in 2004). All taxa were previously recorded from Liverpool Bay and the Irish Sea.

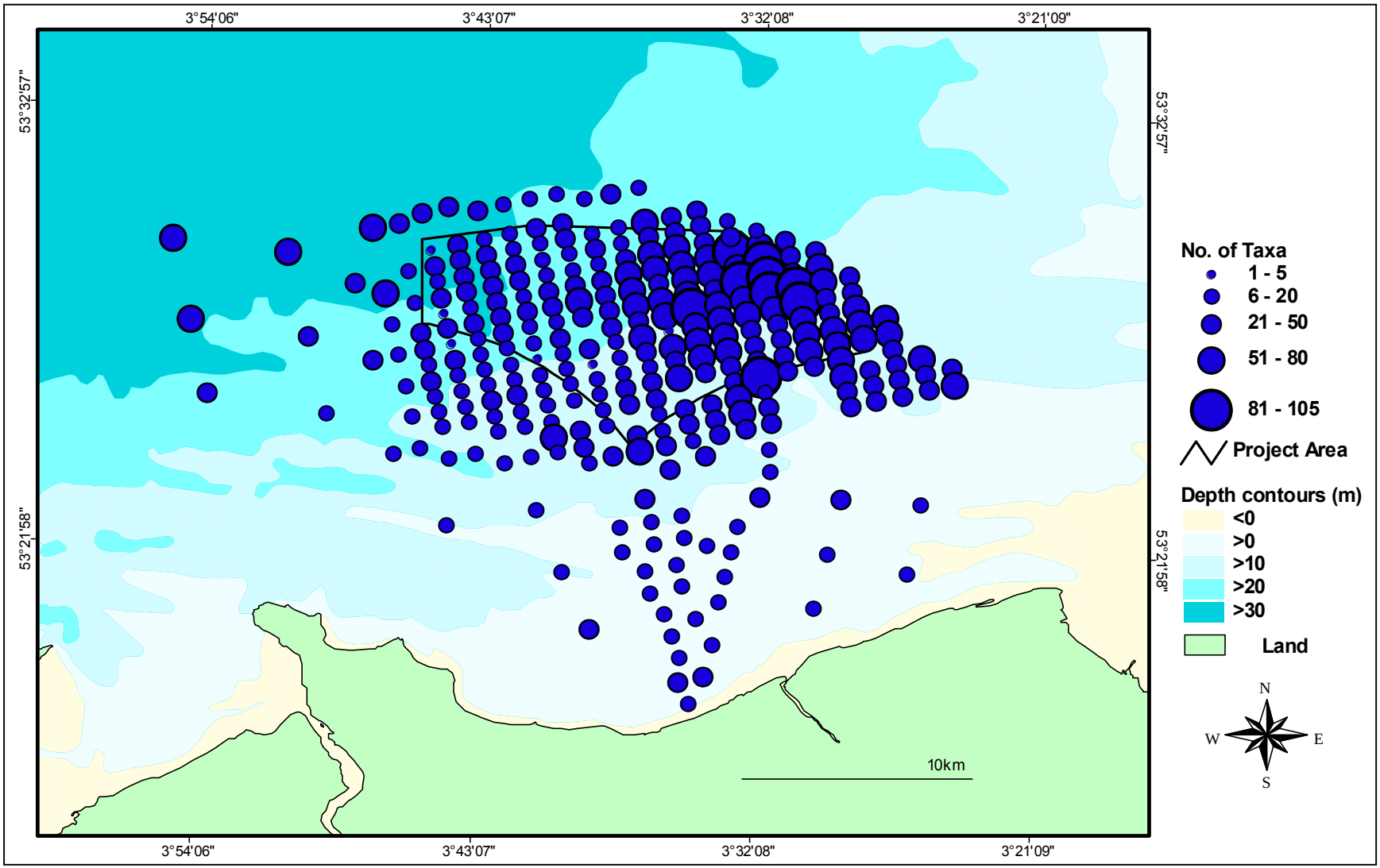


Figure 9: Number of taxa found in grab samples from the characterisation surveys 2002-2004.

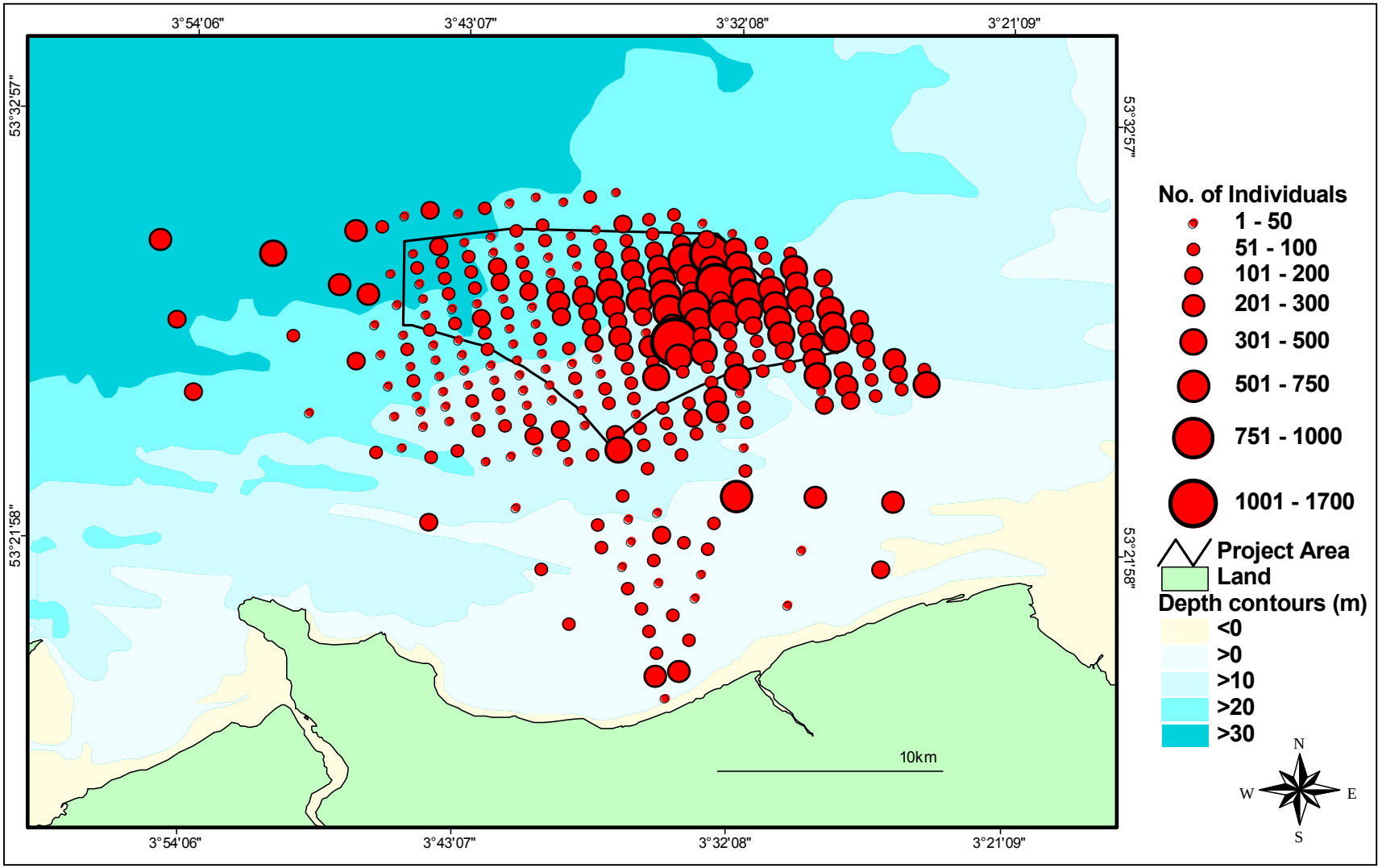


Figure 10: Number of individuals found in grab samples from the characterisation surveys 2002-2004.

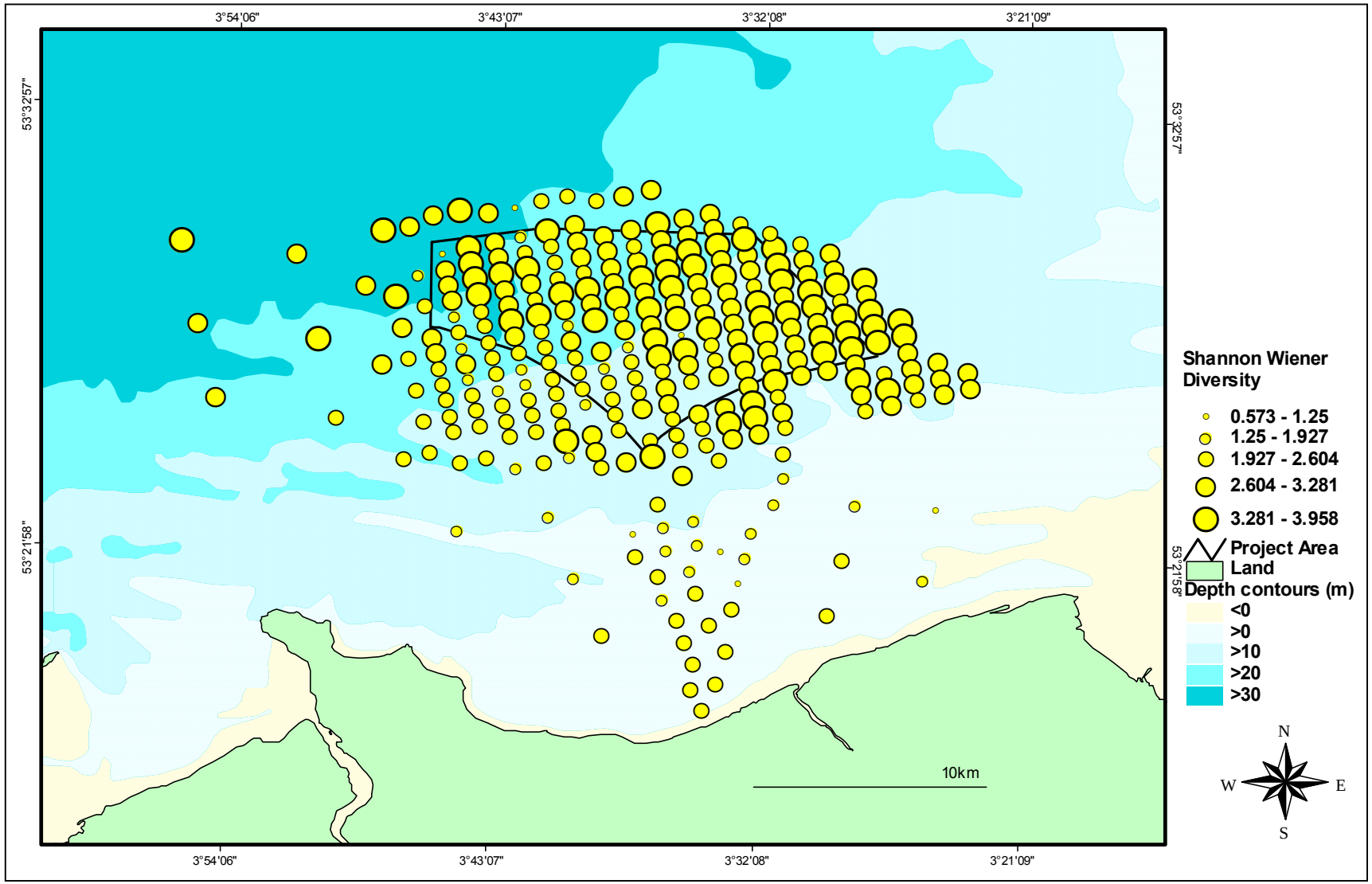


Figure 11: Biological diversity for each grab site according to the Shannon Wiener diversity indices.

The number of taxa and individuals per site are displayed in Figures 9 and 10 respectively. Overall the eastern side of the survey area (sites 1 – 124) generally had the highest species richness with most samples from these sites containing 25 or more species and one site containing over 100 species. Most of the samples from the western sites and the cable route contained 25 species or less with four samples containing less than five species.

Often where there was high number of taxa there was also a high number of individuals and most of the samples from the eastern sites contained over 100 individuals with one site (54) containing over 1,600 individuals / $0.1m^2$. The exceptions to this general pattern were observed at some of the cable route sites where relatively low numbers of taxa but high numbers of individuals were noted.

The diversity for each site has been calculated using the Shannon Wiener diversity index and a distribution map plotted for the results (Figure 11). Overall the richness and diversity of the fauna was not especially high. It can be seen that a higher diversity was generally found in the north and east of the site, which is in keeping with those sites where a higher number of individuals were recorded. When viewed overall it can be seen that a higher diversity is generally recorded at those sites characterised by a gravelly/coarser substratum i.e in the east and north of the survey area, compared to the sandier areas inshore and to the west of the site.

3.2.2 Abundance of major taxonomic groups and taxa

The mean number of taxa and individuals per grab sample has been calculated as a percentage and the results displayed as pie charts in Figures 12 and 13 respectively. Annelid worms (mostly polychaetes) were the most abundant group in terms of both the number of taxa (51%) and individuals (63%). Crustacea were the next most abundant group, comprising 18% taxa and 17% individuals, and echinoderms were the smallest group with only 5% of organisms and 2% of total individuals.

The thirty most abundant species found during the grab survey are displayed in Table 4 and these 30 species formed a total of 64% of all enumerated fauna. The most numerous species recorded was the polychaete keel worm *Pomatoceros triqueter* which comprised over 11% of all enumerated fauna and was over 3 times more numerous than the next most abundant species which was the ribbon worm *Nemertea sp.*

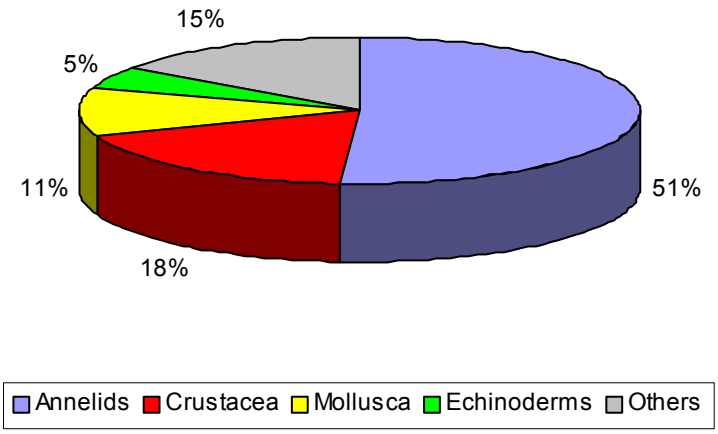


Figure 12: Mean percentage (%) of species (organised by Phylum) per grab

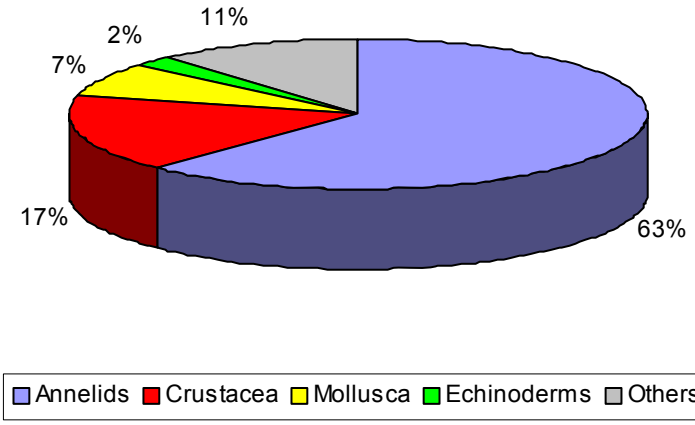


Figure 13: Mean percentage (%) abundance (organised by Phylum) per grab

Table 4: Top 30 taxa from overall grab surveys

Species Name	Total number
Pomatoceros triqueter	5068
Nemertea spp.	1572
Ampharete lindstroemi	1566
Spiophanes bombyx	1342
Nephtys cirrosa	1340
Mediomastus fragilis	1231
Bathyporeia guilliamsoniana	1134
Aonides paucibranchiata	1091
Ericthonius punctatus	954
Photis longicaudata	858
Mysella bidentata	849
Poecilochaetus serpens	829
Pholoe inornata	756
Pista cristata	744
Phoronis sp.	738
Scalibregma inflatum	723
Paradoneis lyra	669
Scoloplos armiger	669
Lumbrineris gracilis	664
Magelona johnstoni	664
Urothoe elegans	631
Owenia fusiformis	629
Ophelia borealis	599
Polycirrus sp.	502
Cerianthus lloydii	498
Corophium sextonae	498
Caulleriella alata	496
Upogebia deltaura	476
Moerella pygmaea	472
Lagis koreni	439

The eight most numerous species from the list of the top thirty taxa have been plotted out as distribution maps (see Figures 14 to 21). In all cases densities are plotted as numbers per $0.1m^2$. Where replicate grabs were taken the average value for the 2 or 3 replicates was used. From these distribution maps it is possible to observe and describe any patterns which emerge concerning species distribution across the survey area.

The polychaete *Ampharete lindstroemi* was distributed across the north of the survey area with the greatest abundance in the northeast, where the sample from site 15 contained 132 individuals of this species (Figure 16). This species builds tubes from coarse material such as shell fragments and is usually absent from well sorted sandy areas. *A. lindstroemi* was not present at the cable route sites. The polychaete *Aonides paucibranchiata* also had a mainly offshore distribution with the highest abundances in the north and east of the survey area; many samples contained over 25 individuals. *A. paucibranchiata* was also caught in notable numbers in the three most northeasterly of the cable route sites (see Figure 21). This species tends to be associated with mixed sediments and absent from well sorted sands.

The amphipod *Bathyporeia guilliamsoniana* had a mainly inshore distribution with the overall abundance highest on the cable route sites. The sample from site C39 contained 52 individuals (Figure 20). This and the related species *Bathyporeia elegans* occur in a variety of sandy habitats but are often dominant in well-sorted mobile sands, and don't usually extend into very deep water.

The polychaete *Mediomastus fragilis* was distributed across the survey area, including the cable route with the highest abundance at the eastern sites, many samples contained over 25 individuals (see Figure 19). This species is often abundant in slightly muddy sands but is failry ubiquitous and found in a variety of sands and gravels. Nemertean worms were also distributed across the survey area, with fairly even abundances (Figure 15). Only one sample contained more than 50 individuals: site 194 in the north of the survey area. Although capable of colonizing a very wide variety of habitats, including stones, muds, and in amongst busy organisms such as hydroids, they tend to be much less common in well sorted sands.

The distribution of the polychaete *Nephtys cirrosa* is interesting in that it appears to be most abundant where other species are uncommon and absent where other species had their highest abundances (see Figure 18). This is best demonstrated by the map of the keelworm *Pomatoceros triqueter* which is most abundant where *N. cirrosa* absent and vice versa (see Figure 14). This trend is due to the habitat requirements of these species: *P. triqueter* lives in a calcareous tube and needs hard substrata to survive whereas *N. cirrosa* is a motile burrowing polychaete and prefers medium and coarse sands such as those in the western area of the EIA study site.

The polychaete *Spiophanes bombyx* had a wide distribution across the survey area (see Figure 17) but was generally found in low numbers in most of the samples with only a few samples containing more than ten individuals. There were a few exceptions to this rule, such as the sample from site 232 where over 115 individuals were recorded. This is a ubiquitous species found in a very wide range of habitats and common to many biotopes.

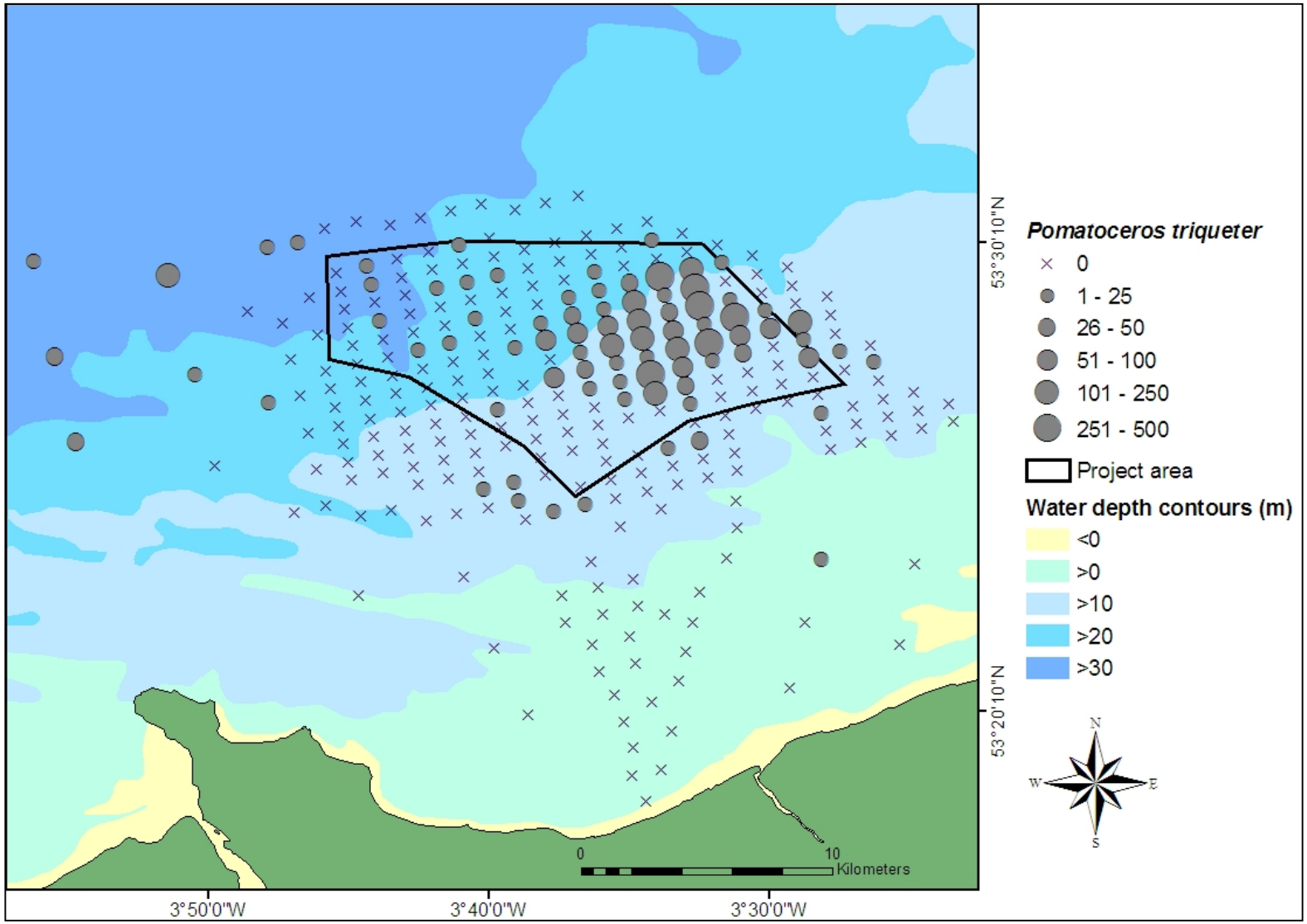


Figure 14: Distribution and abundance of the keelworm *Pomatoceros triqueter*

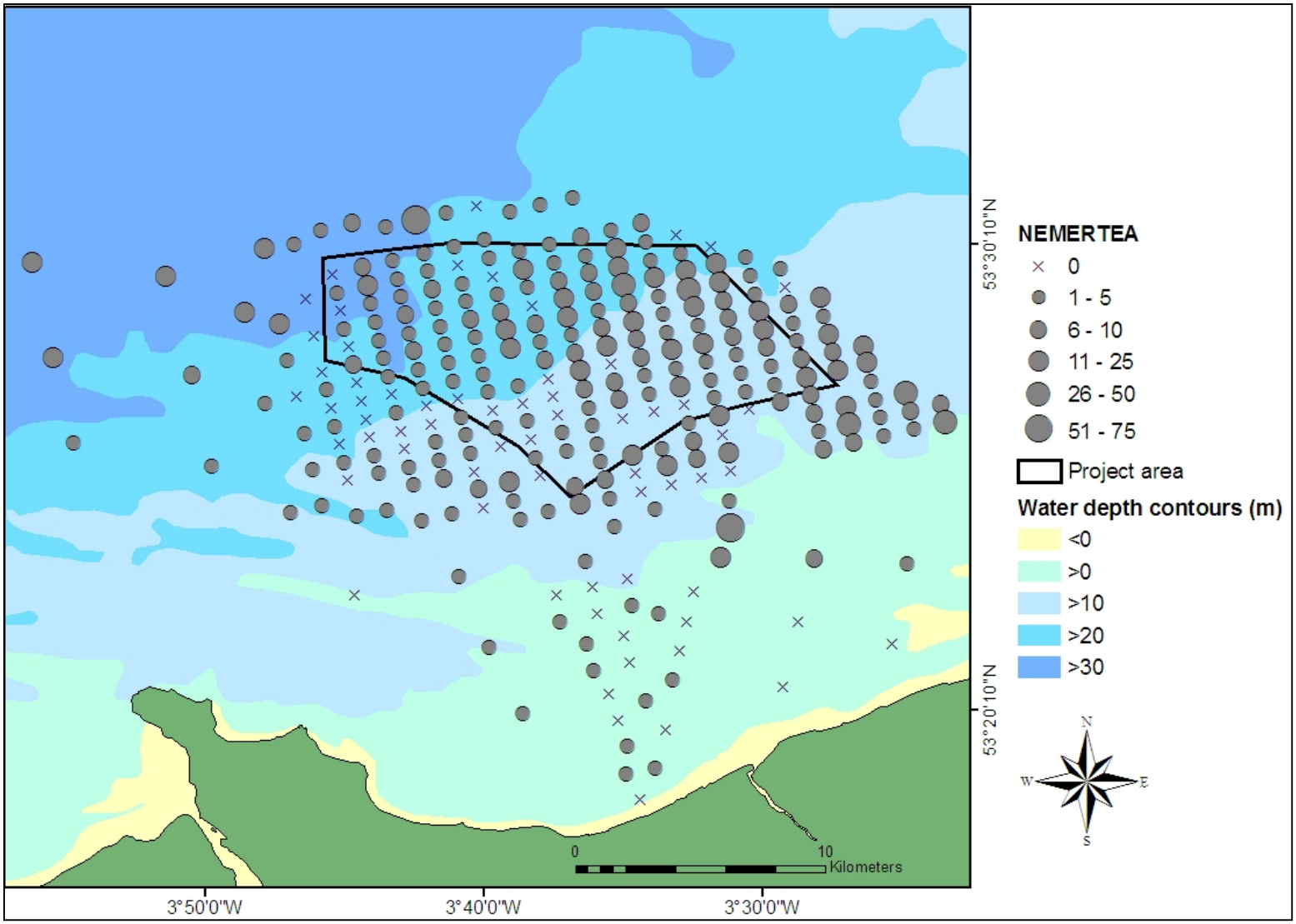


Figure 15: Distribution and abundance of nemertean worms

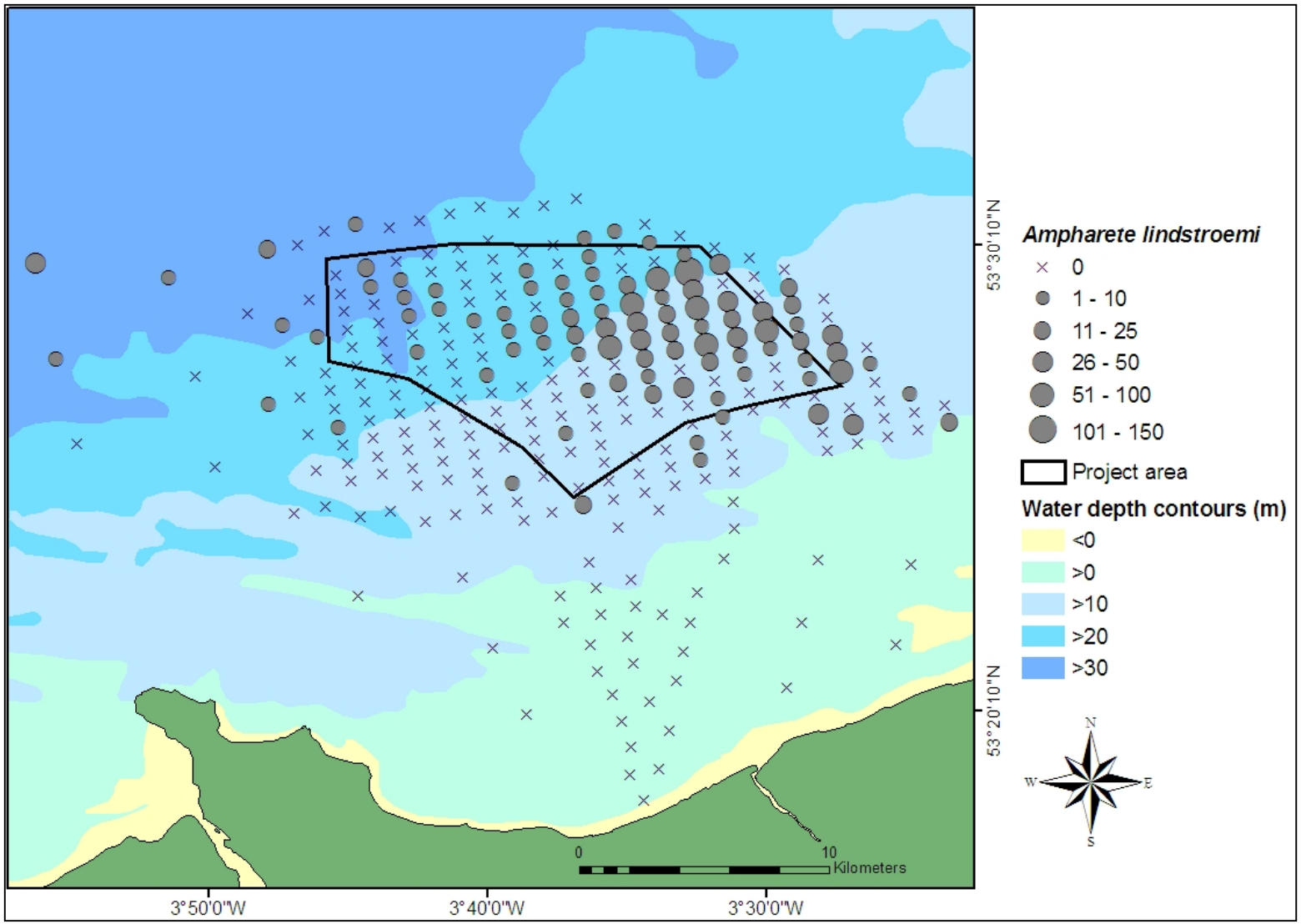


Figure 16: Distribution and abundance of the polychaete *Ampharete lindstroemi*

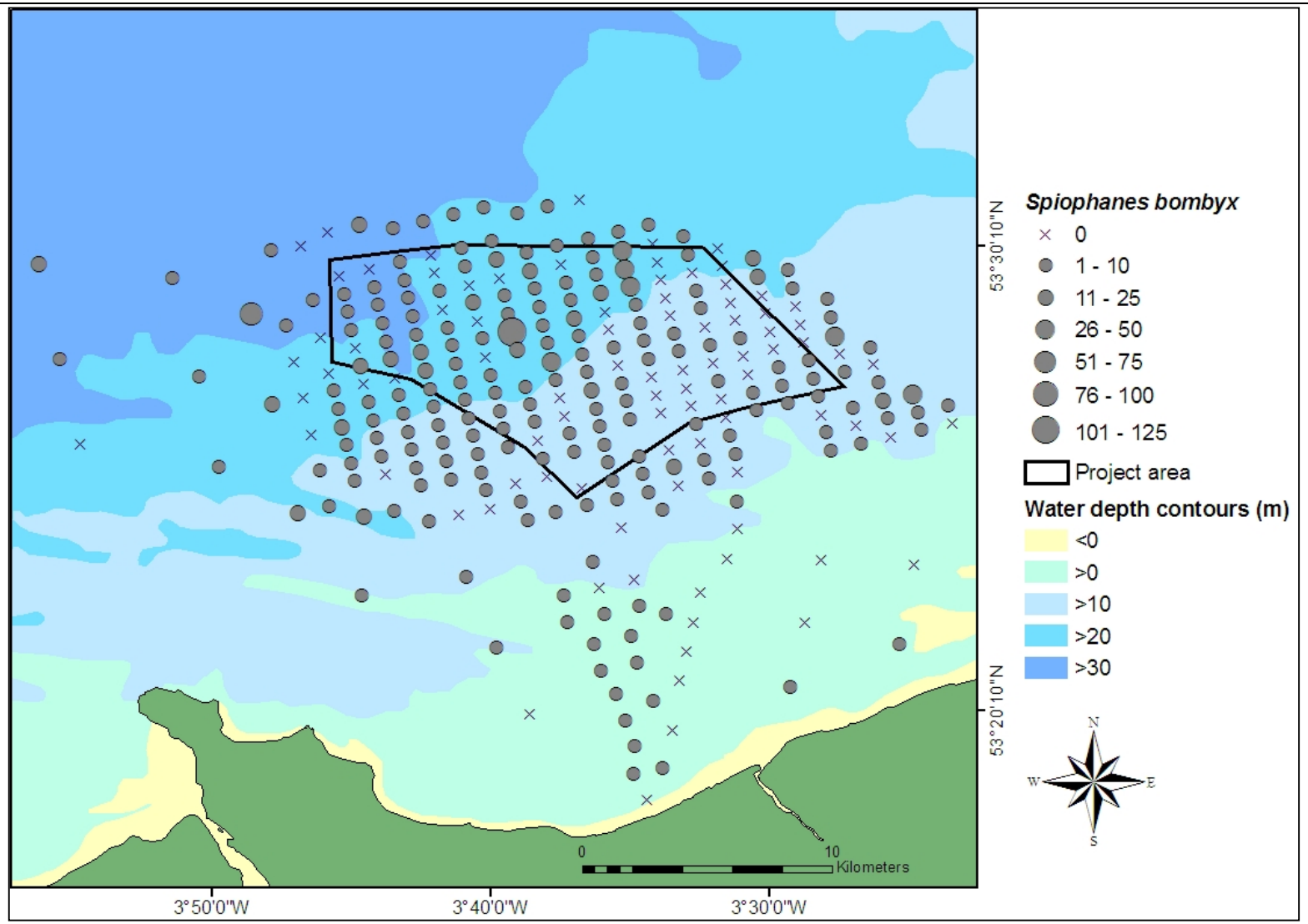


Figure 17: Distribution and abundance of *Spiophanes bombyx*

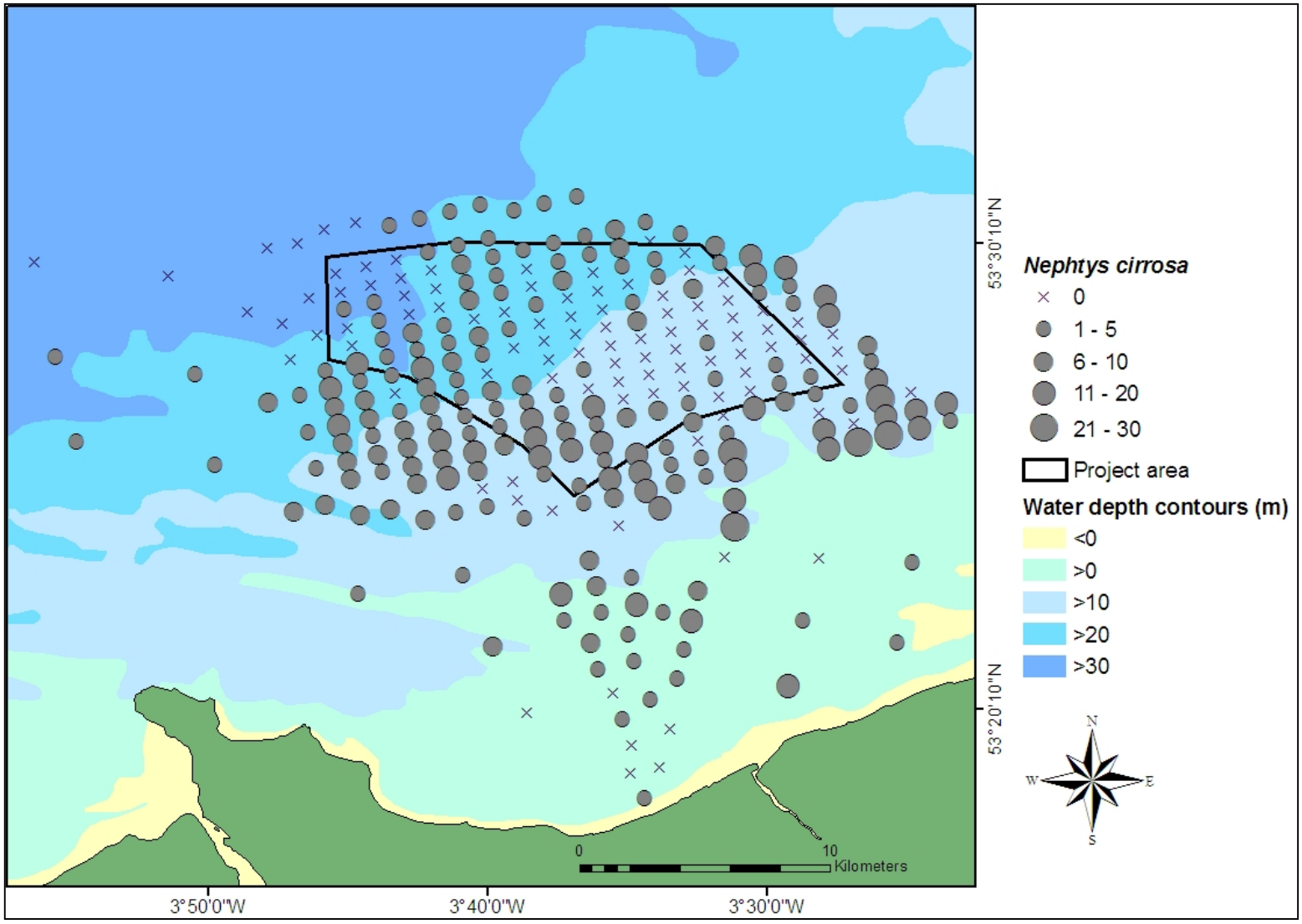


Figure18: Distribution and abundance of the polychaete *Nephtys cirrosa*

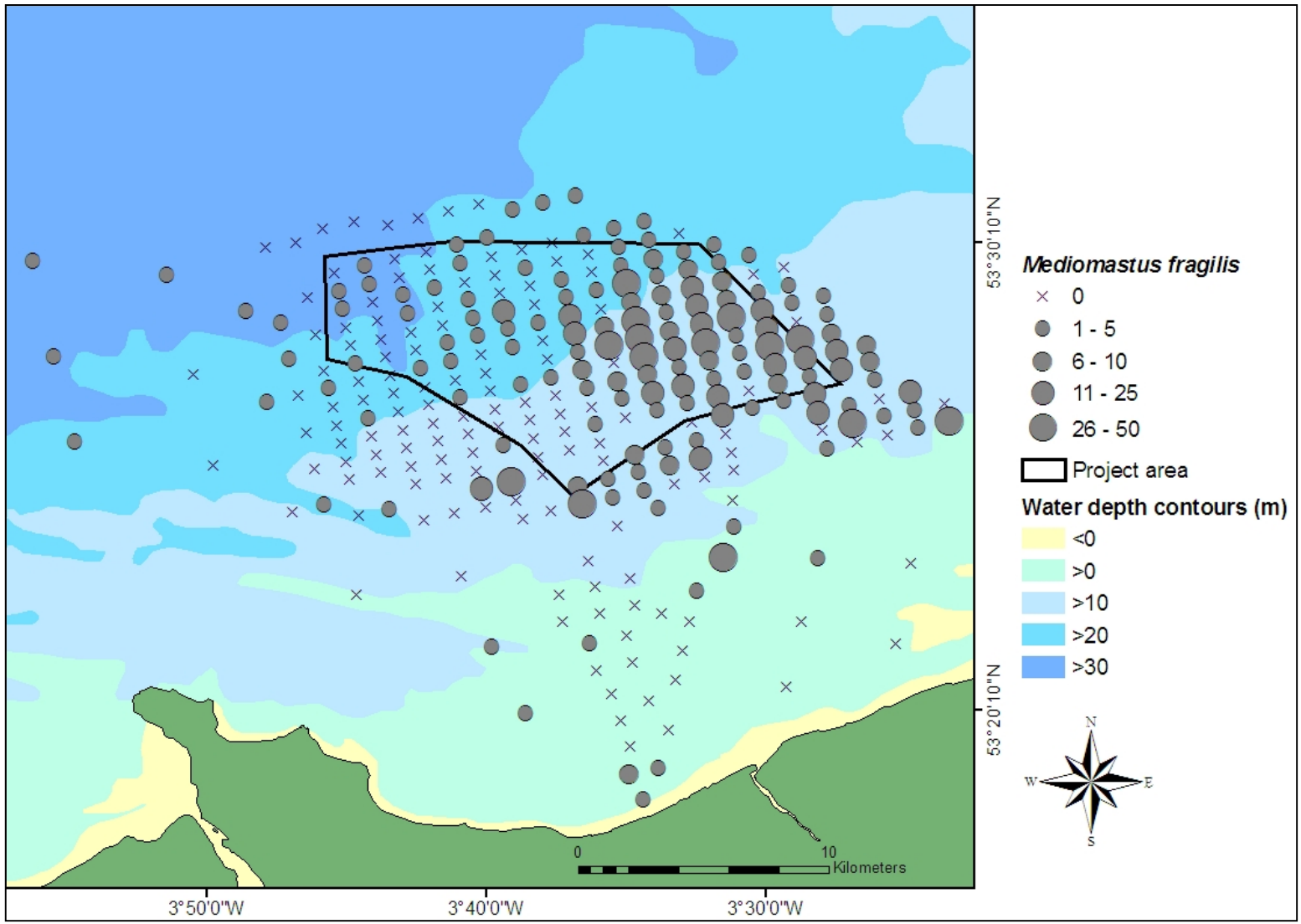


Figure 19: Distribution and abundance of the polychaete *Mediomastus fragilis*

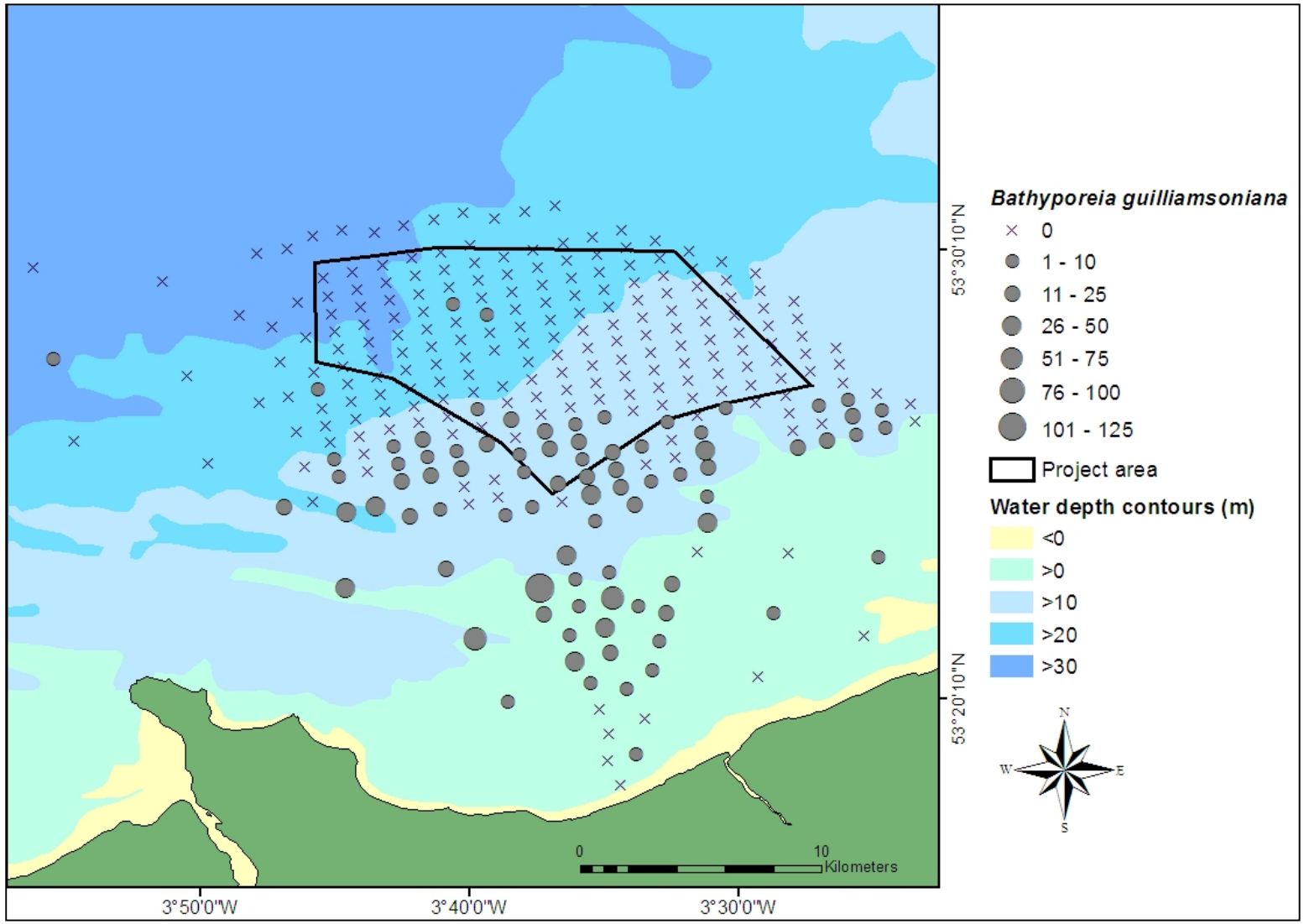


Figure 20: Distribution and abundance of the amphipod *Bathyporeia guilliamsoniana*

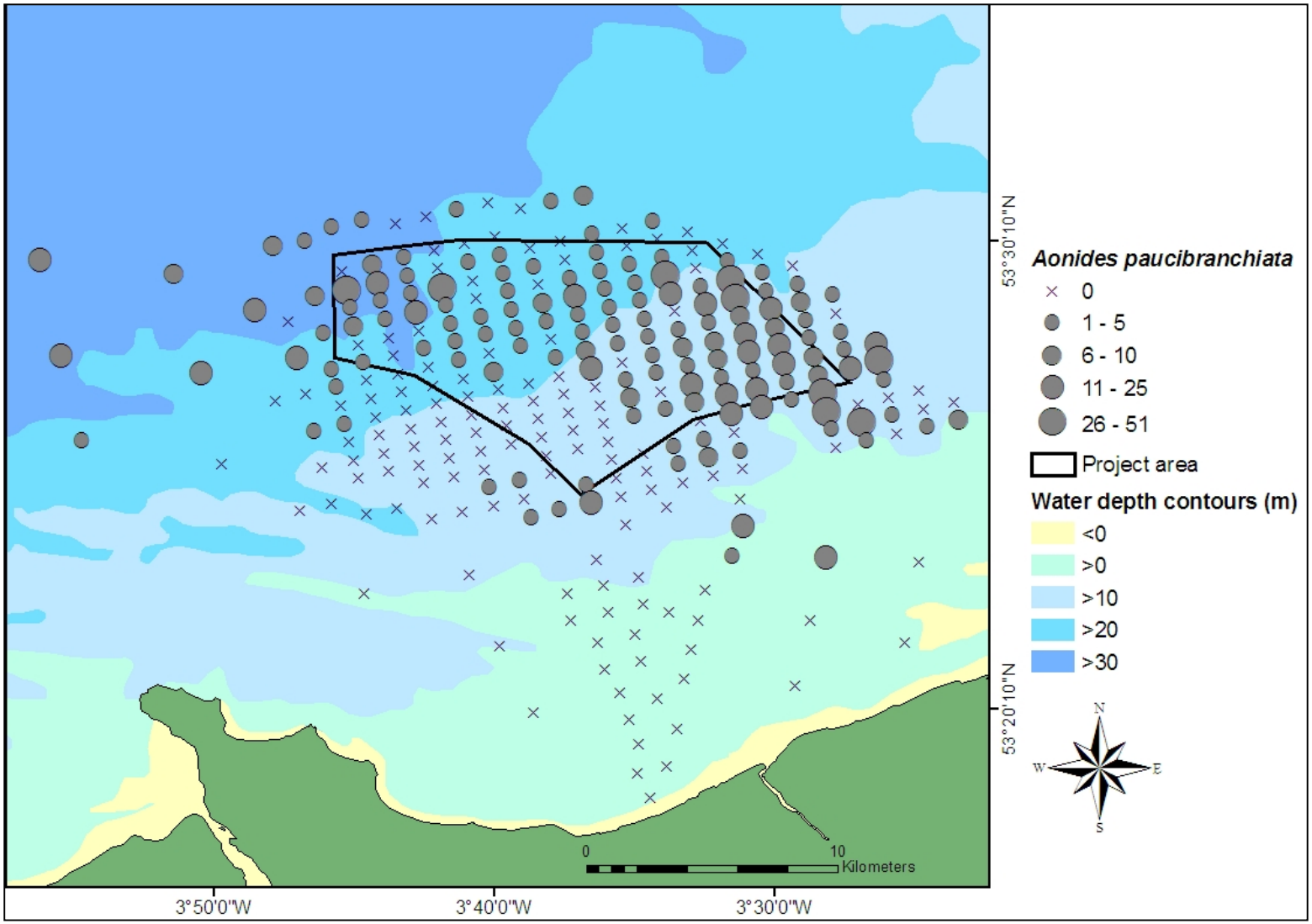


Figure 21: Distribution and abundance of the polychaete *Aonides paucibranchiata*

3.2.4 Within site variation

The Multi Dimensional Scaling plot that summarises the interrelationships between replicated grabs for each of the three surveys is displayed in Figure 22. Due to the surveys occurring at different times of year and because of the different number of replicates taken during each survey three separate MDS plots have been produced with an overall dendrogram (see Figure 23) to display the relationships between the replicates and identify any small-scale variation.

Overall it can be seen that the majority of replicated samples from the same site do cluster closely together indicating that fauna found within each of the replicated grabs to be similar signifying there to be little small-scale variation across the site. However, one clear exception to this is replicate 203.2, which shows little similarity either to replicate 203.1 or to any of the other samples. If the raw data for this site is considered (see Appendix 6) it can be seen that only three individuals of one species (the mollusc *Moerella pygmaea*) were recorded from this particular replicate. The sample from site 203.1 also contained a low number of fauna and both replicate samples were similar in terms of the volume of grab and the sediment type (according to fieldnotes). However, due to the presence of just one taxa in sample 203.2 mathematical similarity between the two samples is obviously low. The difference between site 203.2 and the other replicates is also noticeable in the dendrograms (Figure 23) where it shows low similarity to any of the other sites. Again this can be attributed to the particularly low number of individuals and taxa recorded.

For site C29 the replicates appeared to be slightly different to each other especially with regard to replicate C29.1, which appears to cluster closer with those samples from site C20. If the raw data is considered it can be seen that both sites recorded mostly polychaetes and crustacea, such as those typical of mobile sand communities. However the replicates at site C20 and replicate C29.1 all had reasonably high numbers of the amphipod *Bathyporeia guilliamsoniana* whereas this species was absent from replicates C29.2 and C29.3 thus replicate C29.1 clustered more closely with those samples from site C20.

Nevertheless, it can be concluded that for the most part single replicate grabs are likely to be a good representation of the communities found for the purposes of general community characterisation.

More detailed multivariate analysis has been carried out on the results of grab samples in section 3.4 (community analysis).

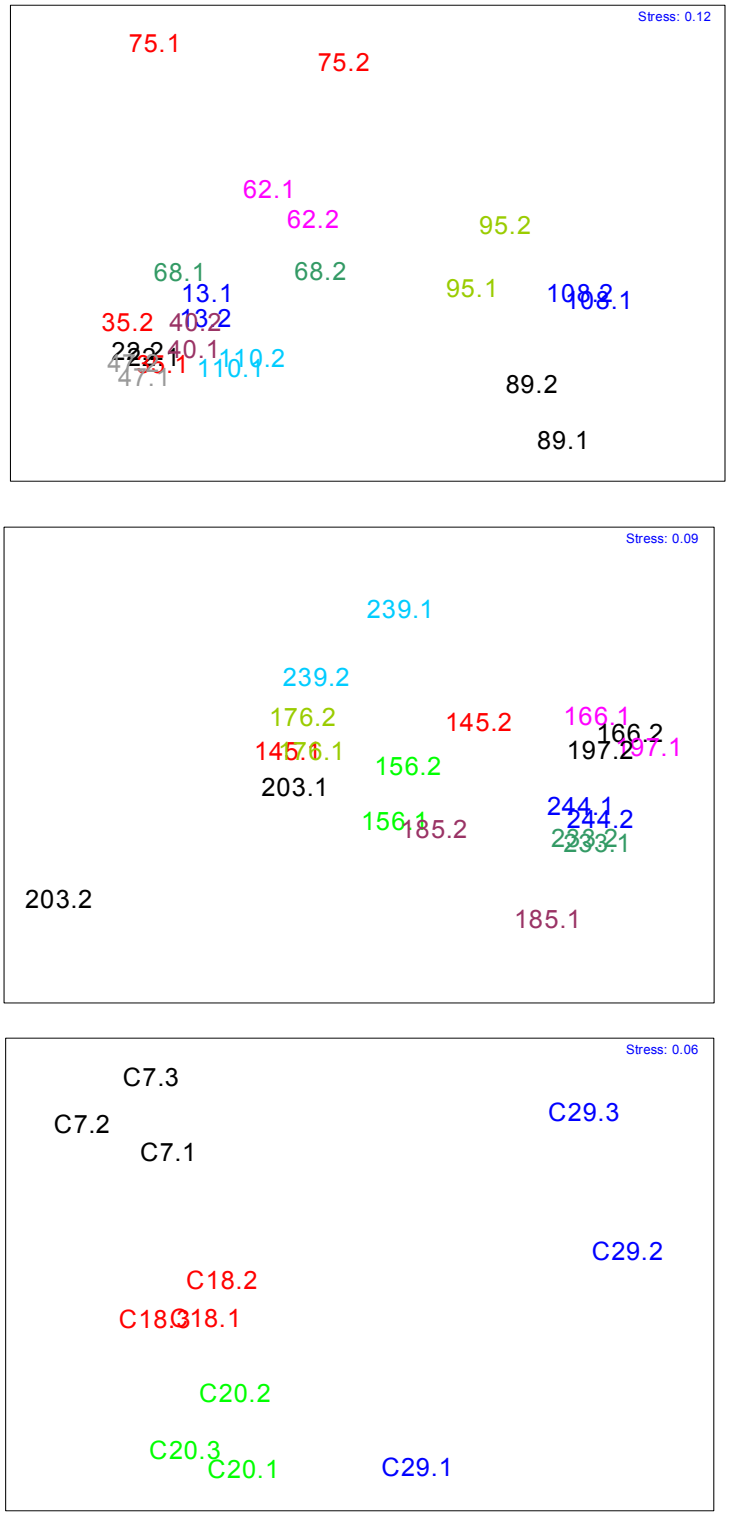


Figure 22: MDS plots of replicates 2002 survey (top), 2003 survey (middle) and 2004 survey (bottom) using square root transformation. Replicates from the same site have been given the same colour.

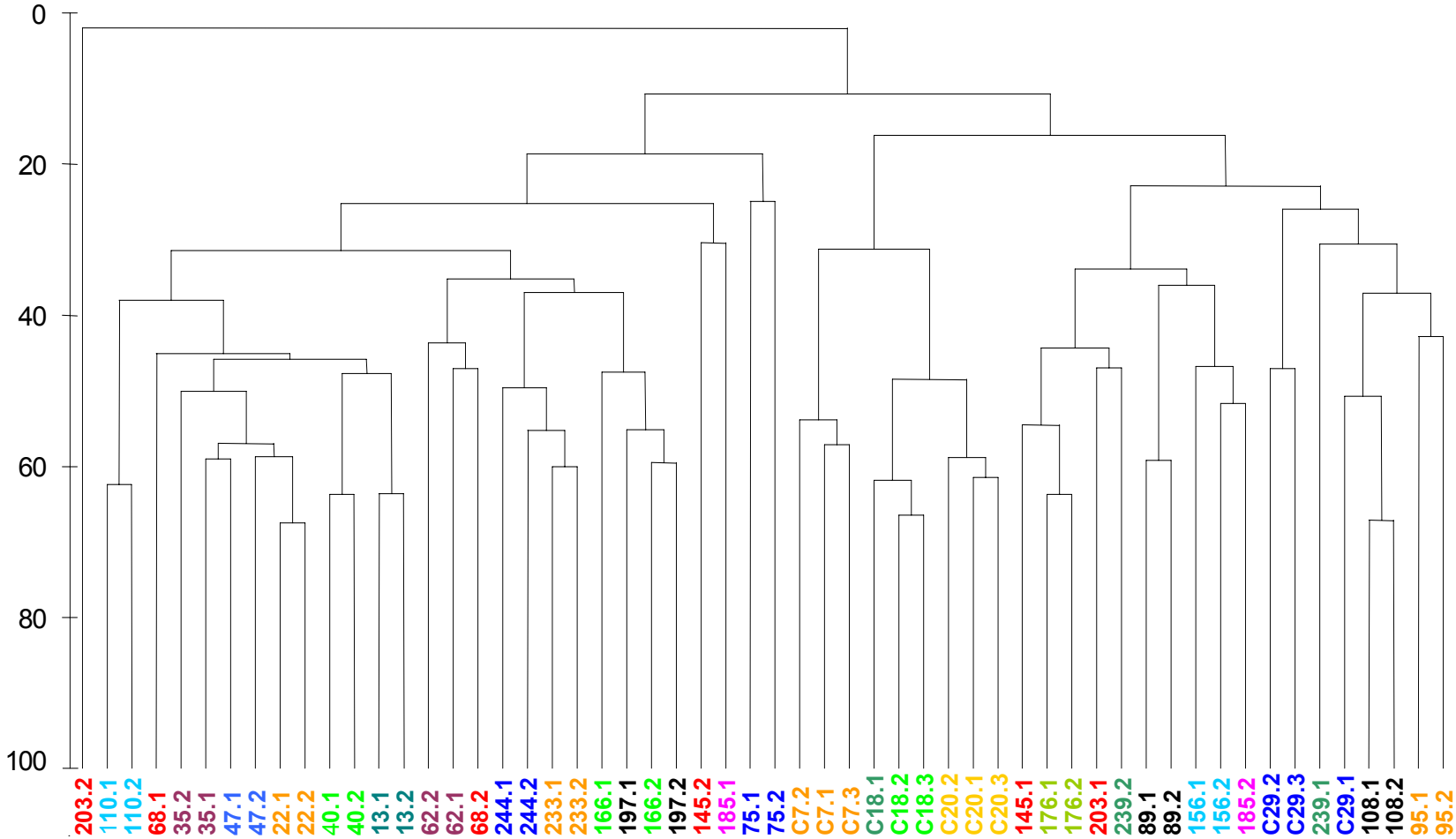


Figure 23 Dendrogram to show the relationships between the benthic fauna of each replicate sample. Replicates from the same site have been given the same colour (but note that it has been necessary to use each colour more than once).

3.3 Epi faunal and demersal fish communities

The results of the trawl surveys undertaken during December 2003, March 2004 and August 2004 are given in Appendix 8 with a full species list given in Appendix 7.

In interpreting the beam trawl data it should be bourne in mind that small beam trawls are designed to survey epibenthic invertebrates and smaller demersal fish, and are very inefficient at surveying larger fish. Where larger fish species are caught, the samples will probably be heavily skewed towards the smaller end of the size range. This problem is compounded by the need in this area for chain matting over the trawl mouth (to prevent the trawl catching too many boulders), which would make it impossible for adults of very large species, especially flatfish such as rays, to be caught should they be encountered. Furthermore, the small seabed areas covered by each tow ($600m^2$) also means that encounter rates with relatively dispersed species such as rays would in any case be very low.

All tows were of the same length (300m) so that standardization of data was unnecessary. However, beam trawl data is normally considered to be semi-quanititative at best.

3.3.1 Number of fish taxa and individuals

Overall 3,681 individuals were caught from 41 taxa (December 1,424 individuals from 31 taxa, March 1,151 individuals from 29 taxa and August 1,106 from 28 taxa). The August results are surprisingly low, given that there were 54 sites fished in August (because of the inclusion of the cable route sites) as opposed to 48 on the other two occasions. The numbers of fish individuals and taxa caught at each trawl site for all three surveys is displayed in Figures 24 and 25. From these distribution maps it can be seen that the only site at which no fish were recorded in the trawls in each of the three surveys was site 11. In the December and March surveys all sites (apart from 11) had at least one fish species present whereas in August sites 18, 29 and 30 also did not contain any fish. In addition, numbers of fish species at each site were generally lower in August than in December and March. Sites 38 to 41 in the southwest of the survey area and sites 16 and 36 in the east of the survey area had a high number of species in all three surveys relative to the other sites. Numbers of fish caught were often lower in the August survey than in the December survey with the obvious exception of site 41 where over 200 individuals were caught in August (this is mostly attributable to one species: over 100 dab, *Limanda limanda* were recorded here).

3.3.2 Abundant fish species

Total numbers of every species of fish caught on each of the three survey occasions are given in Table 5. A distribution map for the five most abundant fish species recorded during the December 2003 trawl survey is displayed in Figure 26. These were scaldfish *Arnoglossus laterna*, solenette *Buglossidium luteum,* dragonet *Callionymus lyra*, dab *Limanda limanda* and sand goby *Pomatoschistus minutus*. All five of these species were caught at 17 of the trawl sites and in especially high abundance at sites 45 and 48.

In March 2004, scaldfish, dragonet and dab were still amongst the 5 most abundant fish species but solenette and sand goby were replaced with poor cod *Trisopterus minutus* and pogge *Agonus cataphractus*. All five of these species were caught at 12 sites but unlike December, there are few sites that demonstrated a high abundance of all five species (see Figure 27).

In August 2004, dragonet and dab were once again among the top five most abundant species, the other three were solenette, sand goby and poor cod. All five of these species were caught at just two sites with high abundances at site 41 (See Figure 28 for distribution map).

The scaldfish*, Arnoglossus laterna* occurred at 41 of 48 sites in December 2003 and 37 of 41 in March 2004. The dragonet *Callionymus lyra* occurred at 38 sites in December 2003 and March 2004 but was not as widespread in August 2004, occurring at 22 sites. Dab, *Limanda limanda* occurred at 34 sites in December 2003, 37 sites in March 2004 and just 11 sites in

August 2004. *Buglossidium luteum* was caught at 28 sites in December 2003 and 25 sites in August 2004. *Pomatoschistus minutus* was caught at 32 sites in December 2003 and 31 sites in August 2004. *Trisopterus minutus* occurred at 26 sites in March 2004 (121 individuals were caught in trawl 25) and 12 sites in August. *Agonus cataphractus* was found at 26 sites in March 2004. Overall only *Callionymus lyra* and *Limanda limanda* were among the 5 most abundant species in all three surveys and were less widespread in August 2004 than in December 2003 and March 2004, which is the opposite to the expected trend of wider distribution in summer. Only site 11, which had none of the most abundant fish species, and site 41, which had all of the most abundant fish species, showed any consistency between the three surveys. The rest of the sites showed great variation in the number of fish caught and in the proportion of the 5 most abundant caught. The cable route was only surveyed during August 2004 and of the six sites, all five most abundant fish species were caught at C4 (52 on the maps above) but in relatively low numbers. C1, C3 and C5 had 4 of the species, C2 had 3 and C6 had 2. C1 had very high numbers of *Callionymus lyra*.

The dominant fish species tend to be capable of inhabiting a variety of sediment types, even the dab *Limanda limanda* being frequent over fairly coarse ground (e.g. Ellis *et al*, 2000). The scaldfish is normally restricted to fairly sandy ground (Hayward and Ryland, 1990) but even this species occurs widely throughout the surveyed area, probably reflecting the patchiness of the ground. There appears to be little relationship between any of these species and depth, except that dab gives possible indications of being more abundant in deeper waters in the March survey and shallower waters in August and December. Size distributions of the dab did not appear to differ much between the surveys (Appendix 9) so this may represent a late winter offshore migration. Some of the less abundant species, notably plaice *Pleuronectes platessa* and thickback sole *Microcheirus variegatus*, do show a strong relationship with depth, however (see discussion of communities below).

The most notable change in numbers likely to represent a seasonal change was that of the sand goby, *Pomatoschistus minutus*, which was the most abundant species in August and also abundant in December but not recorded in March (Table 5). Whilst it is normal for this species to be much more abundant in summer, its complete absence in March seems somewhat extreme. Other notable changes included the relatively low numbers of the scaldfish *Arnoglossus laterna* during August (Table 5), but in the absence of long term data it is not clear whether this represents a true seasonal change.

Table 5: Numbers of fish caught from each of the three surveys by species.

December 2003		March 2004		August 2004	
Arnoglossus laterna	335	*Callionymus lyra*	225	*Pomatoschistus minutus*	288
Buglossidium luteum	234	*Trisopterus minutus*	204	*Buglossidium luteum*	175
Pomatoschistus minutus	216	*Limanda limanda*	150	*Limanda limanda*	161
Callionymus lyra	161	*Arnoglossus laterna*	147	*Trisopterus minutus*	124
Limanda limanda	148	*Agonus cataphractus*	93	*Callionymus lyra*	96
Agonus cataphractus	106	*Pleuronectes platessa*	61	*Arnoglossus laterna*	72
Lepadogaster sp.	32	*Buglossidium luteum*	57	*Pleuronectes platessa*	53
Trisopterus minutus	28	*Echiichthys vipera*	51	*Echiichthys vipera*	51
Pleuronectes platessa	26	*Merlangius merlangus*	37	*Agonus cataphractus*	22
Echiichthys vipera	25	*Ammodytes tobianus*	20	*Eutrigla gurnardus*	15
Gadidae	24	*Blennius ocellaris*	12	*Lepadogaster* sp.	10
Aspitrigla cuculus	17	*Myoxocephalus scorpius*	11	*Merlangius merlangus*	6
Blennius ocellaris	15	*Microcheirus variegatus*	11	*Syngnathus rostellatus*	6
Eutrigla gurnardus	10	*Pholis gunnellus*	10	*Blennius ocellaris*	4
Microcheirus variegatus	9	*Diplecogaster bimaculata*	9	*Scyliorhinus caniculus*	3
Diplecogaster bimaculata	7	*Eutrigla gurnardus*	9	*Raja clavata*	3
Raja clavata	4	*Aspitrigla cuculus*	7	*Aspitrigla cuculus*	2
Gaidropsarus mediterraneus	4	*Raja montagui*	6	*Pholis gunnellus*	2
Myoxocephalus scorpius	4	*Solea solea*	5	*Ammodytes* sp.	2
Pholis gunnellus	3	*Raja clavata*	4	*Gymnammodytes semisquamatus*	2
Solea solea	3	*Ciliata mustela*	4	*Solea solea*	2
Scyliorhinus caniculus	2	*Platichthys flesus*	4	*Raja brachyura*	1
Syngnathus rostellatus	2	*Ctenolabrus rupestris*	3	*Diplecegaster bimaculata*	1
Microstomus kitt	2	*Microstomus kitt*	3	Gadidae (damaged in trawl, probably *M merlangius* or *T minutus)*	1
Raja montagui	1	*Scyliorhinus caniculus*	2	*Myoxocephalus scorpius*	1
Raja naevus	1	*Sprattus sprattus*	2	*Ammodytes tobianus*	1
Merlangius merlangus	1	*Gadus morhua*	2	*Zeugopterus punctatus*	1
Entelurus aequoreus	1	*Syngnathus acus*	1	*Microstomus kitt*	1
Syngnathus acus	1	*Hyperoplus lanceolatus*	1	-	-
Ammodytes tobianus	1	-	-	-	-
Lepidorhombus whiffiagonus	1	-	-	-	-

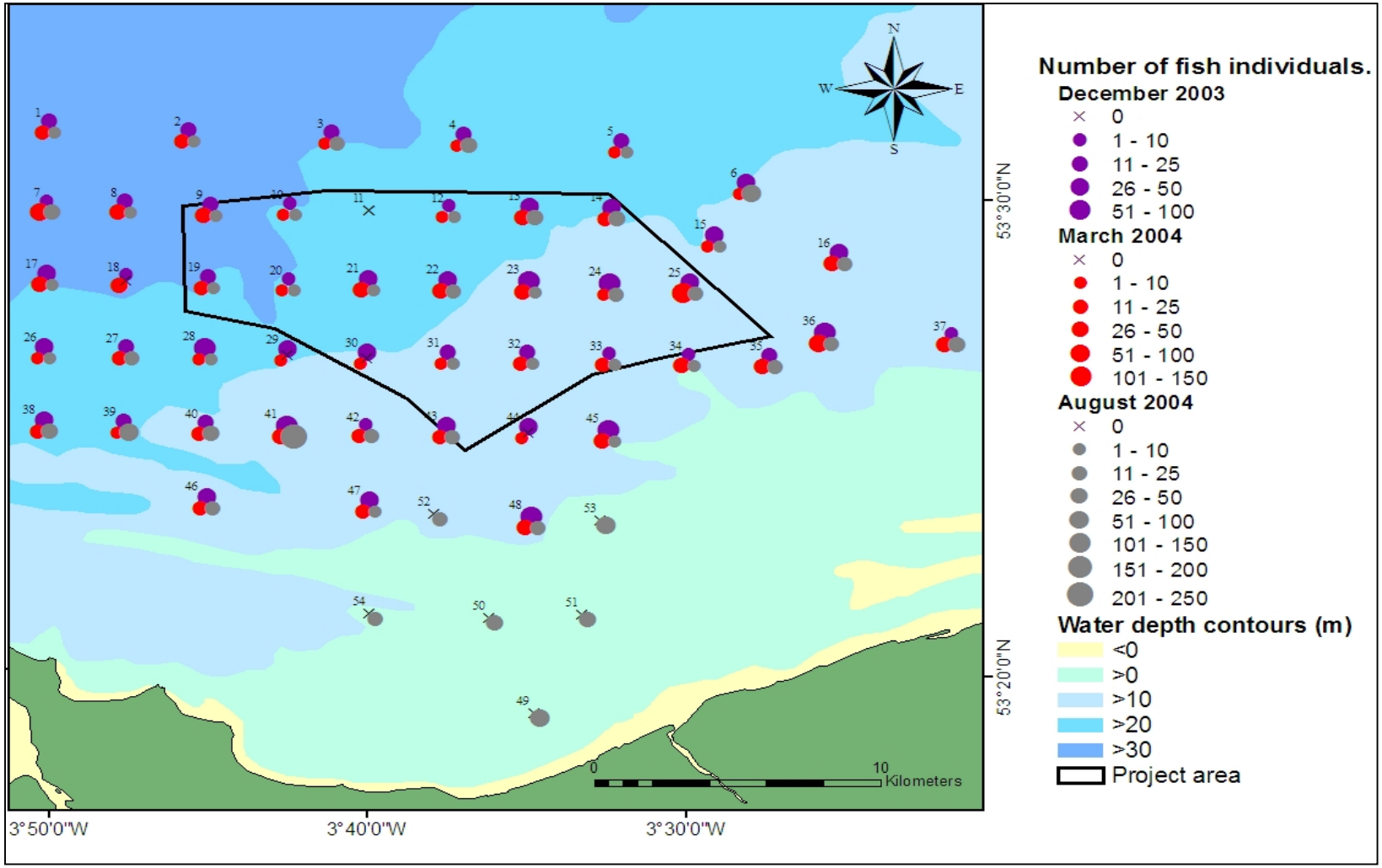


Figure 24: Number of Fish individuals per trawl site and survey

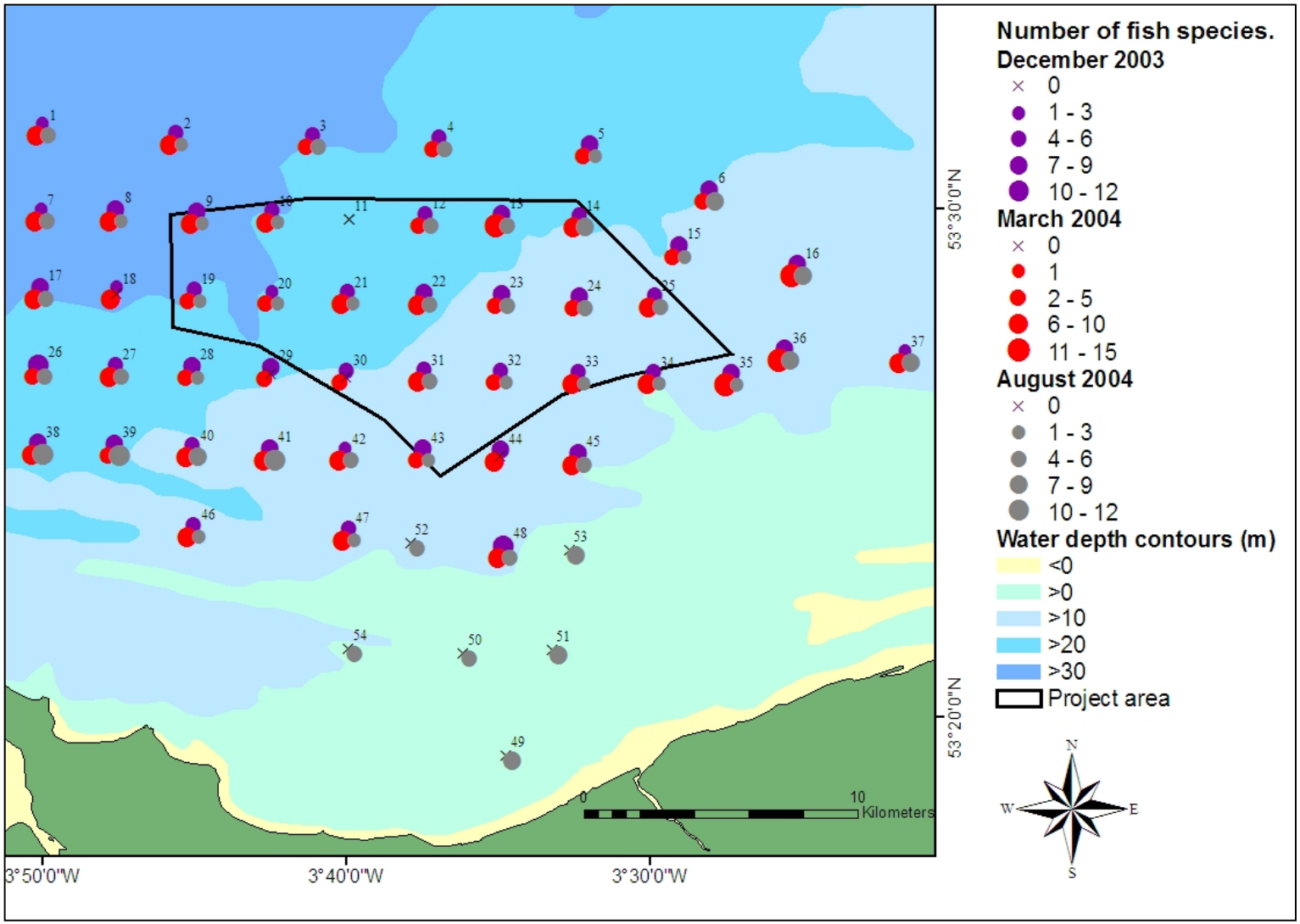


Figure 25: Number of fish species per trawl site and survey

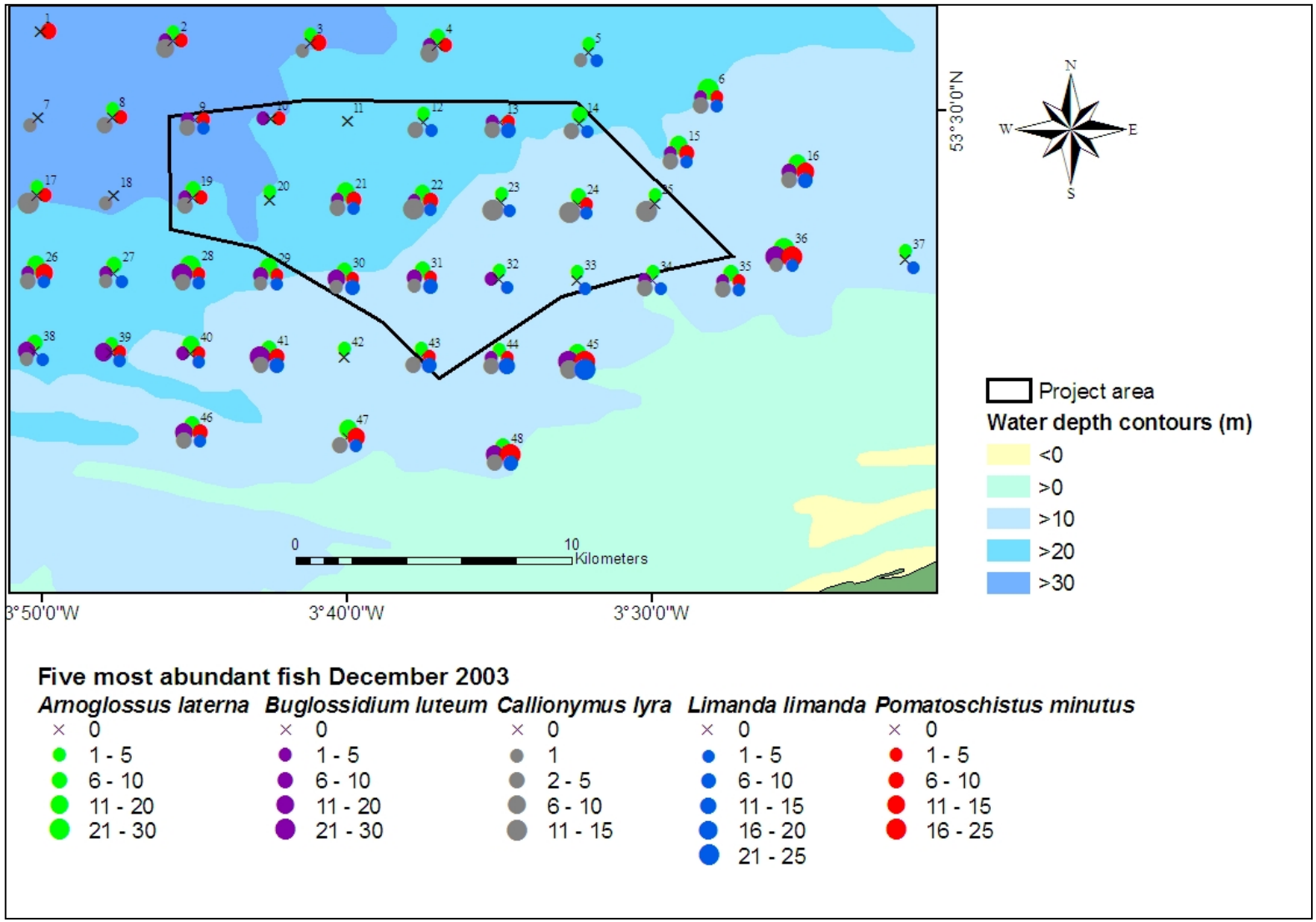


Figure 26: Five Most Abundant Fish Species and Distribution for the December 2003 Beam Trawl Survey

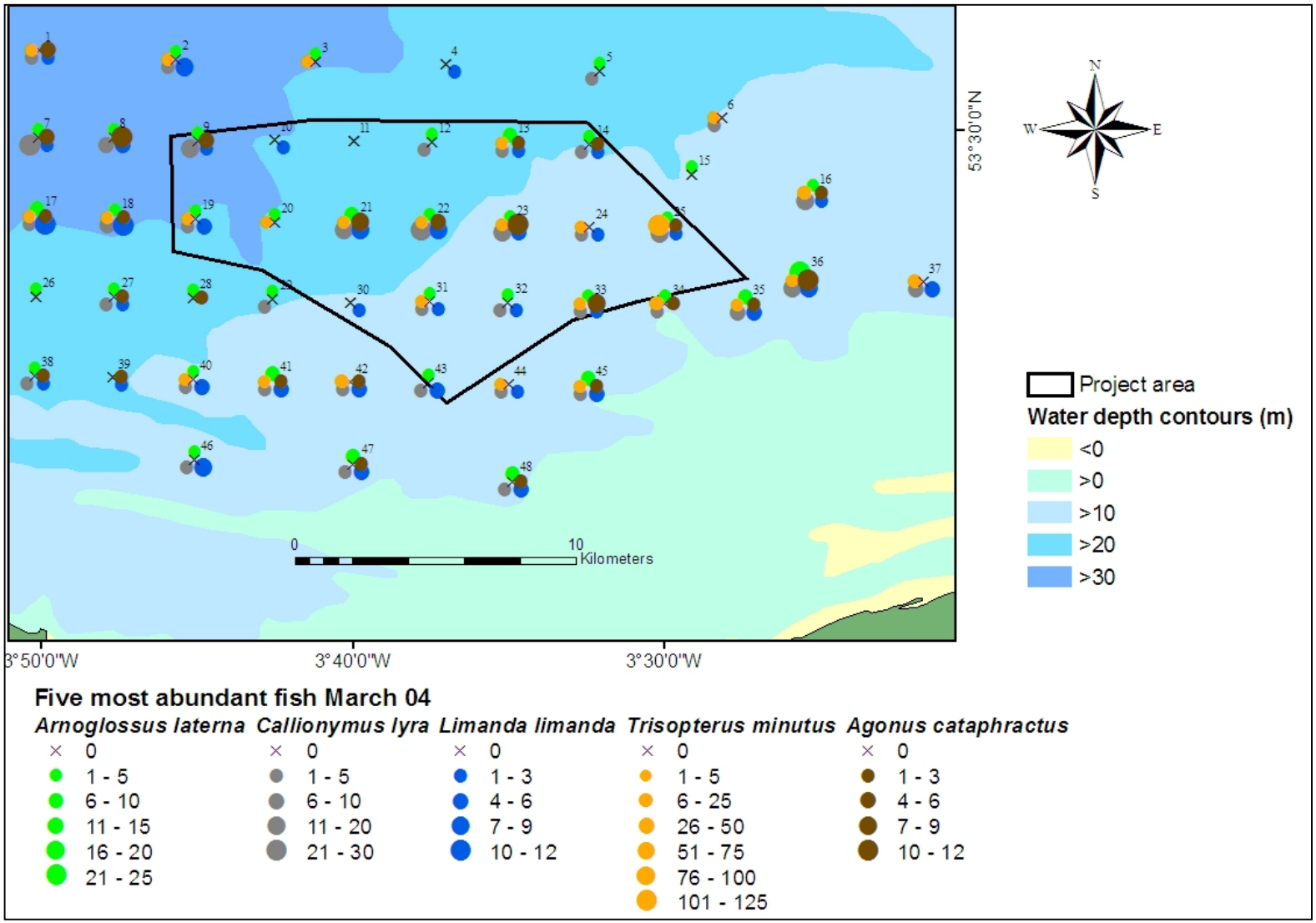


Figure 27: Five Most Abundant Fish Species and Distribution for the March 2004 Beam Trawl Survey

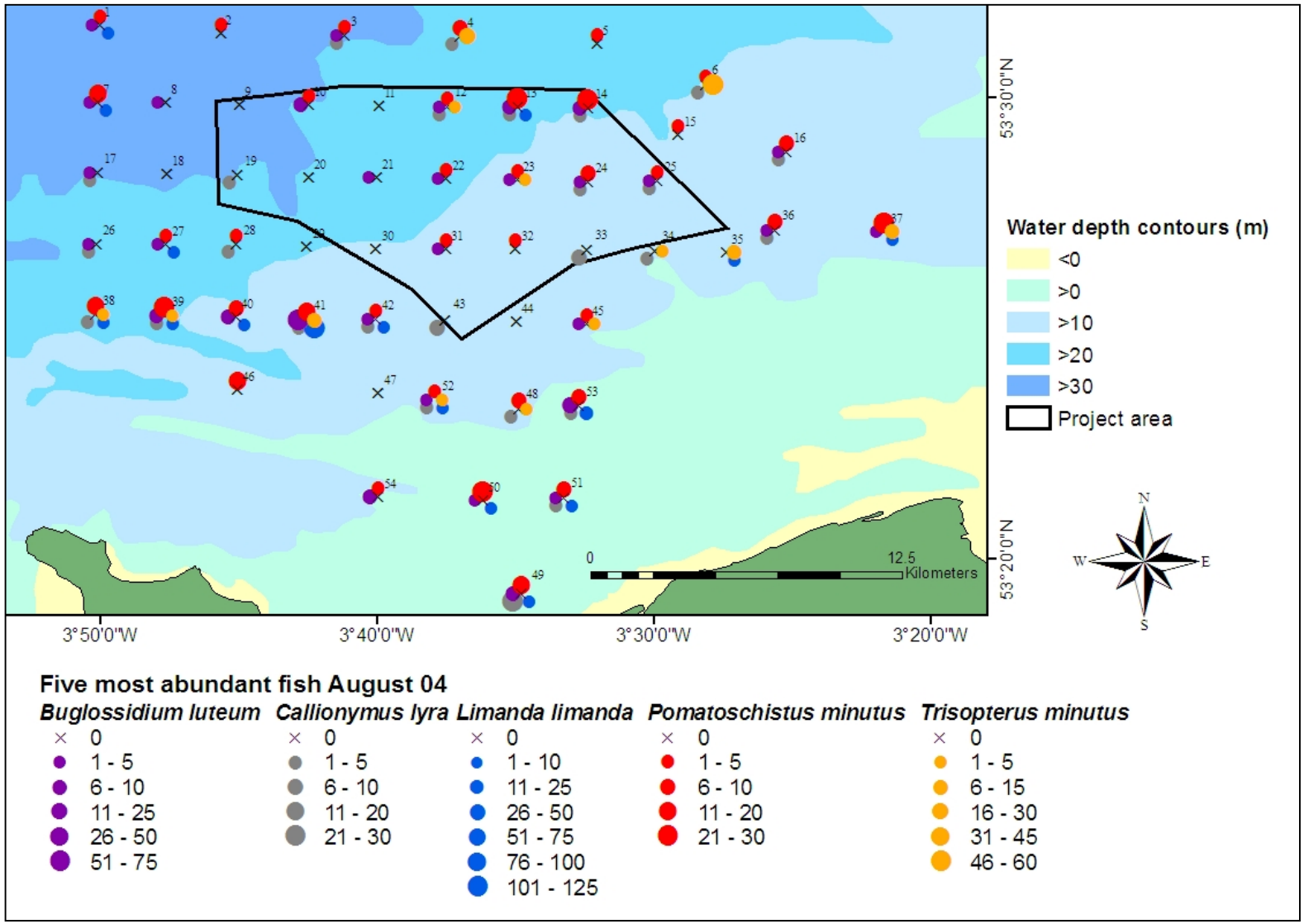


Figure 28: Five Most Abundant Fish Species and Distribution for the August 2004 Beam Trawl Survey

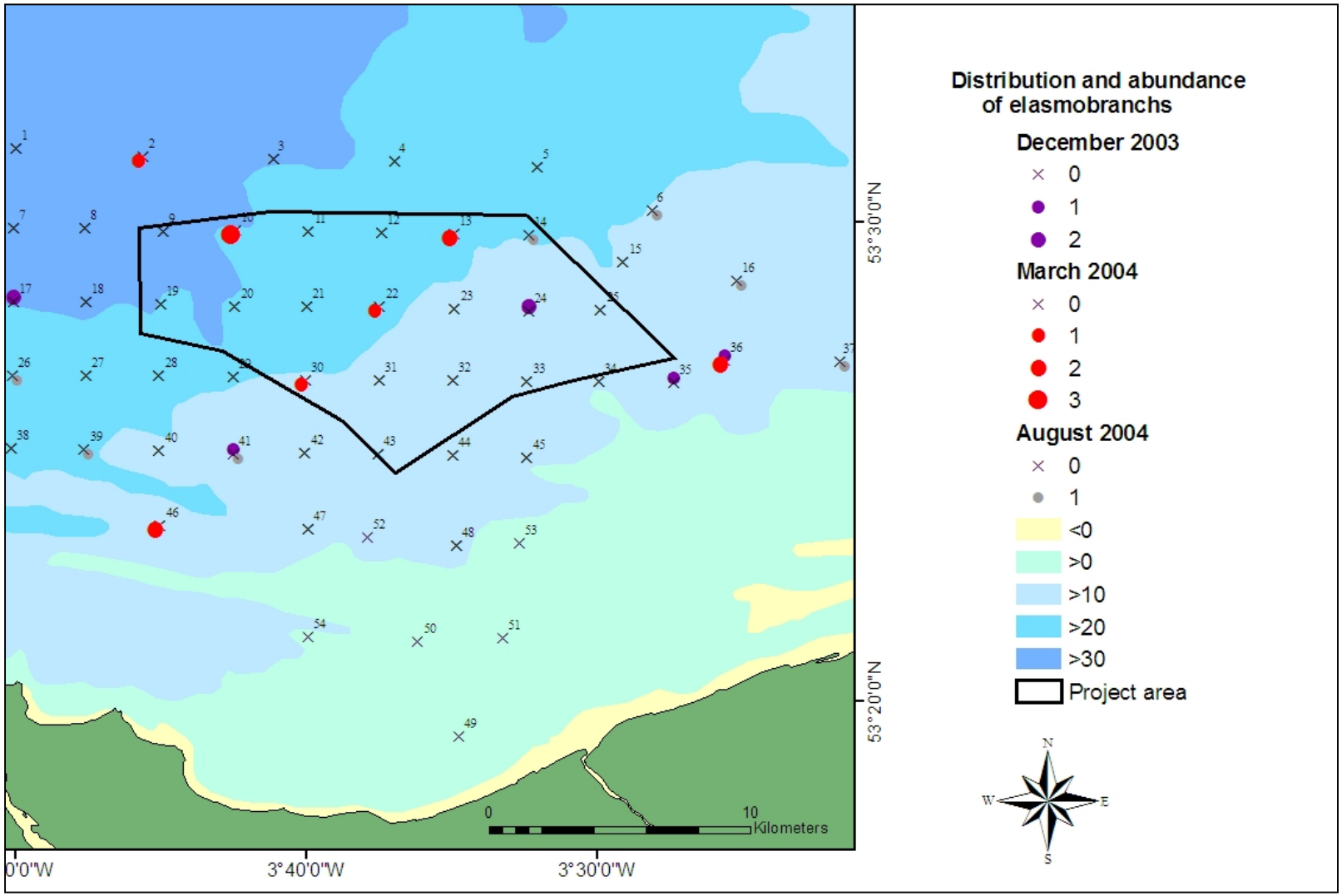


Figure 29: Distribution and abundance of elasmobranchs for all trawl surveys (Dec=Purple, March= Red, August= Grey)

3.3.3 Elasmobranchs

Overall 27 individual elasmobranchs were recorded from five species (see Appendix 8). The most common was the Thornback ray, *Raja clavata* of which a total of 11 individuals were recorded. This species is one of the most abundant rajid species in the Irish Sea and in UK waters.

The distribution of elasmobranchs recorded from the three trawl surveys are plotted in Figure 29. Overall elasmobrancs were recorded in small numbers and infrequently. Although elasmobranches are usually found at fairly low abundances, these numbers are likely to be under-representative for the reasons outlined in section 3.3 above.

In December eight individuals were recorded from five sites, in March tweleve individuals from seven sites and August seven individuals from seven sites. No elasmobranchs were recorded at the inshore cable route sites and no obvious patterns of distribution were evident across the survey area. Only two sites showed records of elasmobranchs from more than one survey these were site numbers 36 and 41. At site 36 one Thornback ray was recorded during the December survey and 2 spotted rays (*Raja montagui*) were recorded from the March survey. Site 41 recorded 1 spotted ray from the December survey and 1 Thornback ray from the August survey. The other species found was the commond dogfish *Scyliorhinus canicula.*

Elasmobranchs are thought to migrate offshore after the summer to winter in deeper water. However no large differences in abundance or distribution were noted between the December and August trawls. The trawl survey from March did yield a higher number of elasmobranchs but this was only by 4 individuals and these were from the same number of sites as in the August surveys.

From the low numbers of elasmobranchs found during these surveys it is not possible to formulate any definite conclusions regarding the population distributions of elasmobranchs within the survey area. The three species found are all amongst the commonest of elasmobranchs within the Irish Sea (Bruce *et al*, 1963; Hayward and Ryland, 1990; CEFAS, 2005). However, according to CEFAS long term surveys of the Irish Sea and Bristol Channel the two ray species have a relatively restricted distribution, being most abundant within the areas of the Bristol Channel, Cardigan Bay and the North Wales coast/Liverpool Bay area, including the study area (CEFAS, 2005). According to these surveys, *R montagui is* slightly less restricted in its distribution than *R. clavata*. Detailed information on habitat preferences appears to be difficult to obtain, but *R. clavata* is usually thought to inhabit a wider range of sediment types than *R. montagui*, which is thought to be more restricted to sandy or muddy habitats (e.g. Picton and Morrow, 2005). The slightly wider distribution of the latter in the Irish Sea found by CEFAS (2005) is therefore slightly unexpected but may be linked to a deeper depth distribution.

3.3.4 Epifaunal Invertebrates

Overall 42,440 epifaunal individuals were recorded from 139 taxa (December 14,663 individuals from 55 taxa, march 14,457 from 54 taxa and August 13,320 from 73 taxa). Figures 30 and 31 display the distribution maps for the number of taxa and individuals for all sites from all three surveys while distribution of selected major taxa are shown in Figures 32, 33 and 34 (December 2003, March 2004 and August 2004 respectively).

3.3.5 Dominant Epifaunal Taxa

The starfish *Asterias rubens* and the urchin *Psammechinus miliaris* were among the three most abundant epifaunal organisms in all three surveys. The third species was the plumose anemone *Metridium senile* in the December and March surveys and the hermit crab *Pagurus bernhardus* in the August survey. In the December and March surveys *Asterias rubens* was present at all sites with the single exception of site 11. In the August survey, *A. rubens* was absent from eight sites in the main survey area but was present at all others including the

cable route sites, where it was particularly abundant at C1. In all three surveys *A. rubens* appeared to be more abundant towards the east of the survey area.

Psammechinus miliaris was present at most sites in all three surveys and was more abundant at the northern sites in the December and March surveys, but showed no obvious pattern of abundance throughout the August survey. *Metridium senile* was present at about half of the trawls and was more abundant at the eastern sites. *Pagurus bernhardus* was well distributed over the survey area but generally in low numbers and appears to be among the three most abundant epifaunal organisms for August due to high abundance at four sites. Both *Psammechinus miliaris* and *Pagurus bernhardus* were absent from the four inshore cable route sites.

Many of the sites in each of the surveys had >1000 individuals, mostly due to high numbers of the sea urchin *Psammechinus miliaris*, the starfish *Asterias rubens* and plumose anemones *Metridium senile* but also the hermit crabs *Pagurus bernhardus* and *P. prideauxi* at a few sites. In the December and March surveys, all sites had at least one species of epifauna present but in August epifauna were absent from sites 11 and 30.

The cable route sites generally had <500 epifaunal organisms per trawl with the exception of C1 where over 3000 brittle stars *Ophiura ophiura* were caught. In the central part of the survey area (sites 8-12, 18-23 and 27-32) epifaunal numbers were lower in August than in March or December. This is perhaps contrary to what would normally be expected; in March, numbers of epifaunal invertebrates would be expected to be low after winter mortality due to predation and inclement weather with no reproduction to replace losses. Numbers would be expected to be high in August after a summer of rapid growth and high reproduction. It is not clear why these patterns were not observed although it is noted that the summer of 2004 was windy which may have had some effect, and also that fish abundance was lowest in August.

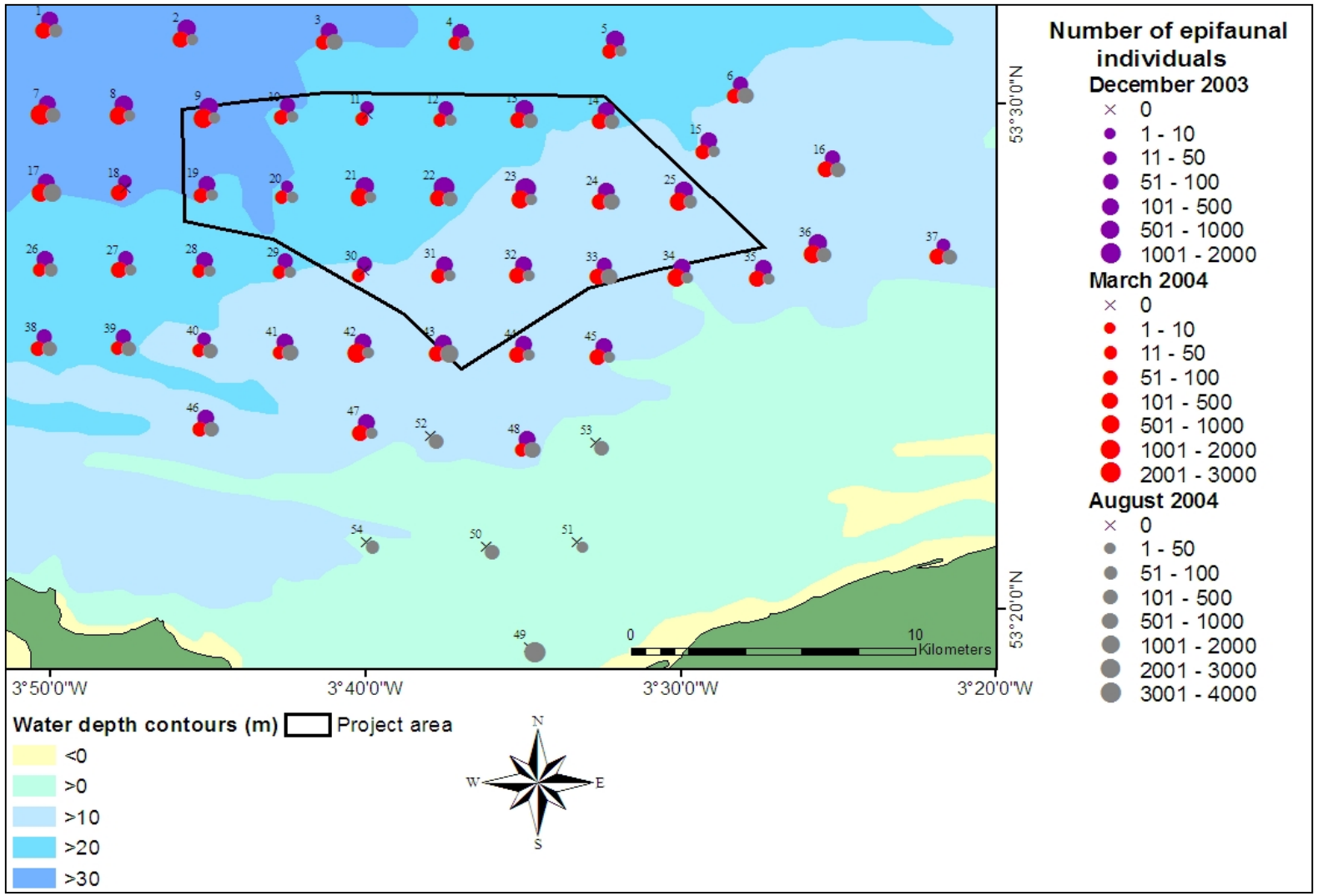


Figure 30: Number of epifaunal individuals per trawl site and survey

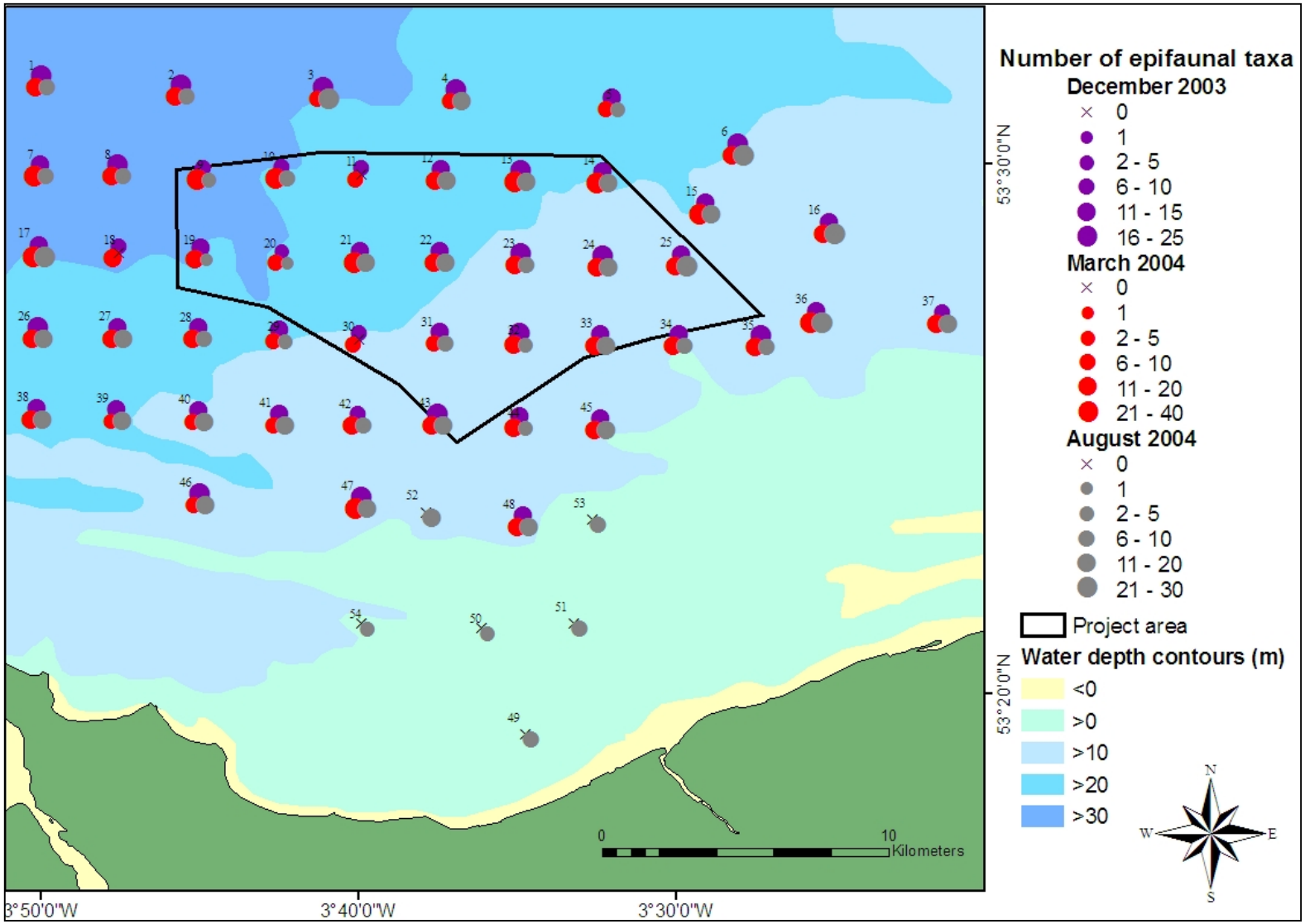


Figure 31: Number of epifaunal taxa per trawl site and survey

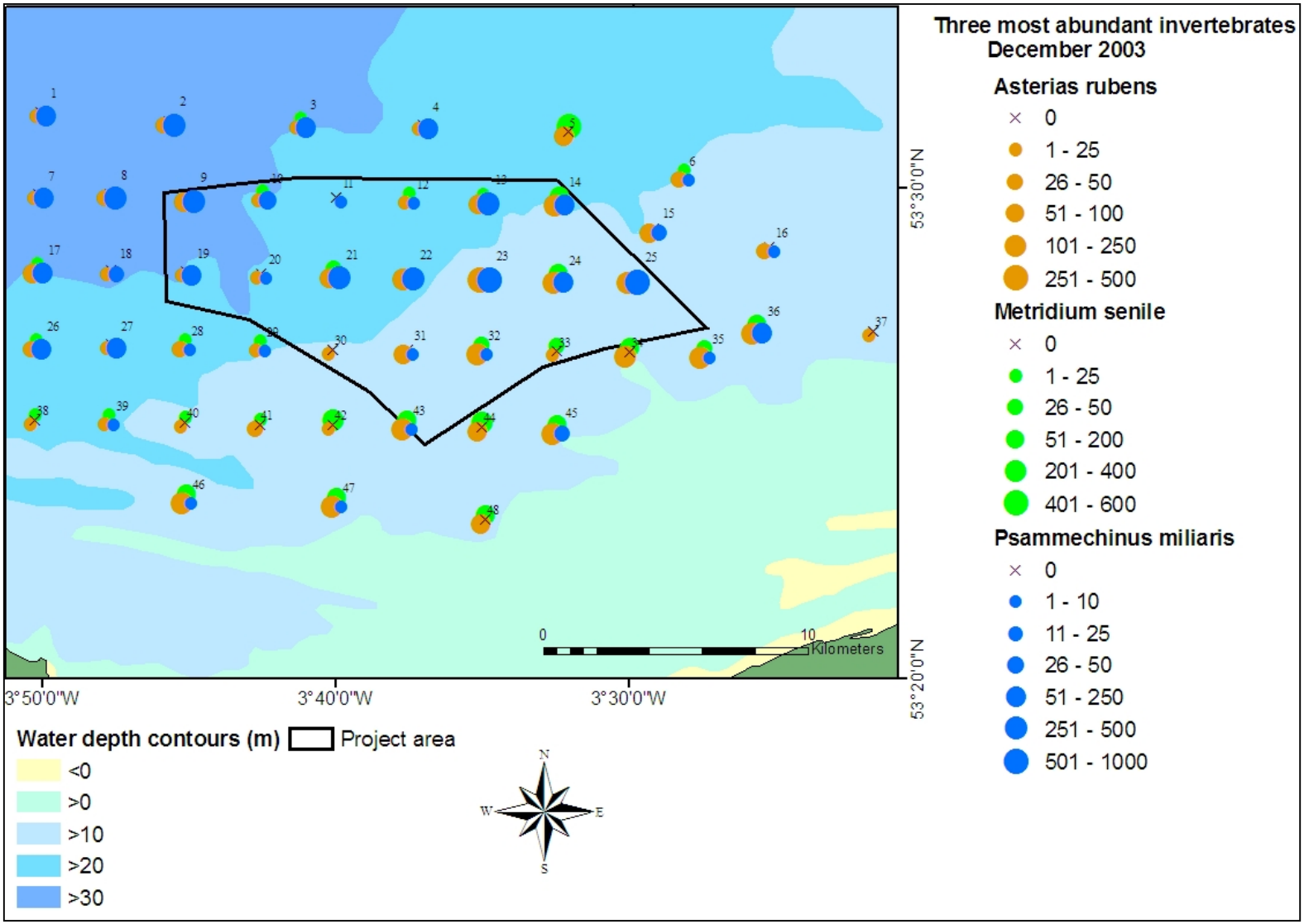


Figure 32: Three most abundant epifaunal taxa from the December 2003 beam trawl survey

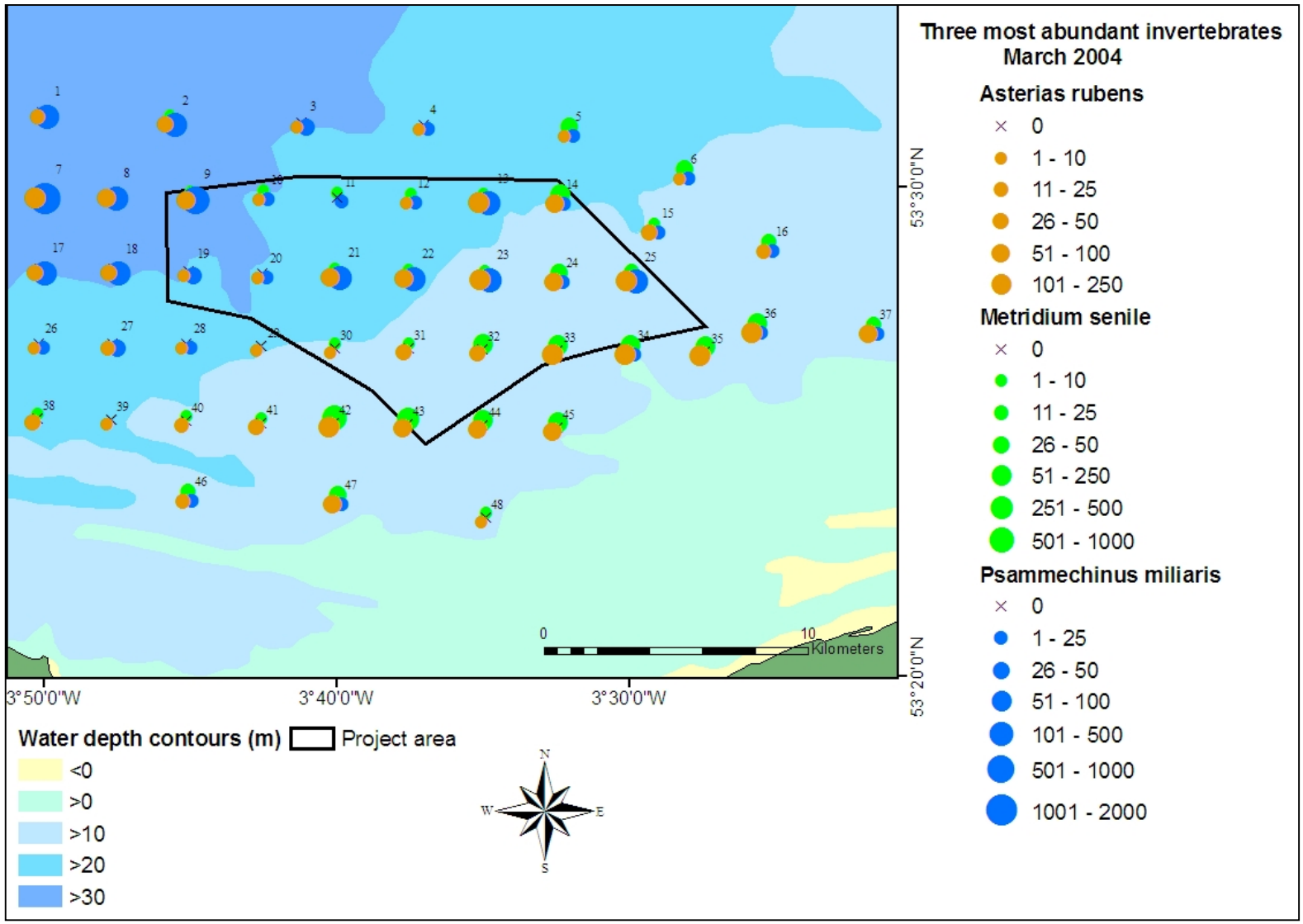


Figure 33: Three most abundant epifaunal organisms from the March 2004 beam trawl survey

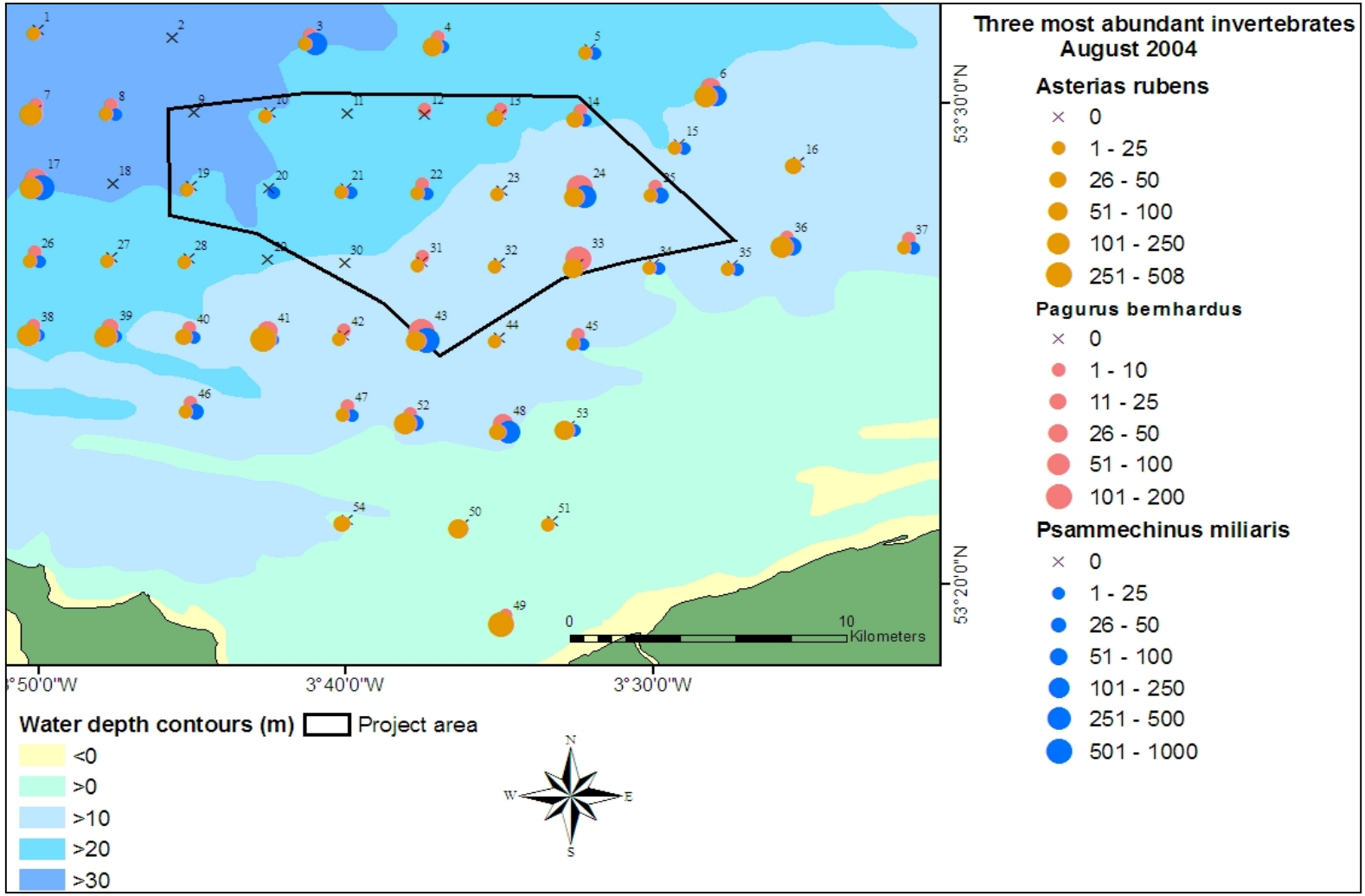


Figure 34: Three most abundant epifaunal organisms from the August 2004 beam trawl survey

The overall composition of each trawl survey is represented as a pie chart for each survey in Figure 35. Fish (Chordata) and crustacea are the most numerous phyla for each trawl survey. An increase in bryozoans observed in the August survey is indicative of summer growth of species such as *Flustra folicacea.*

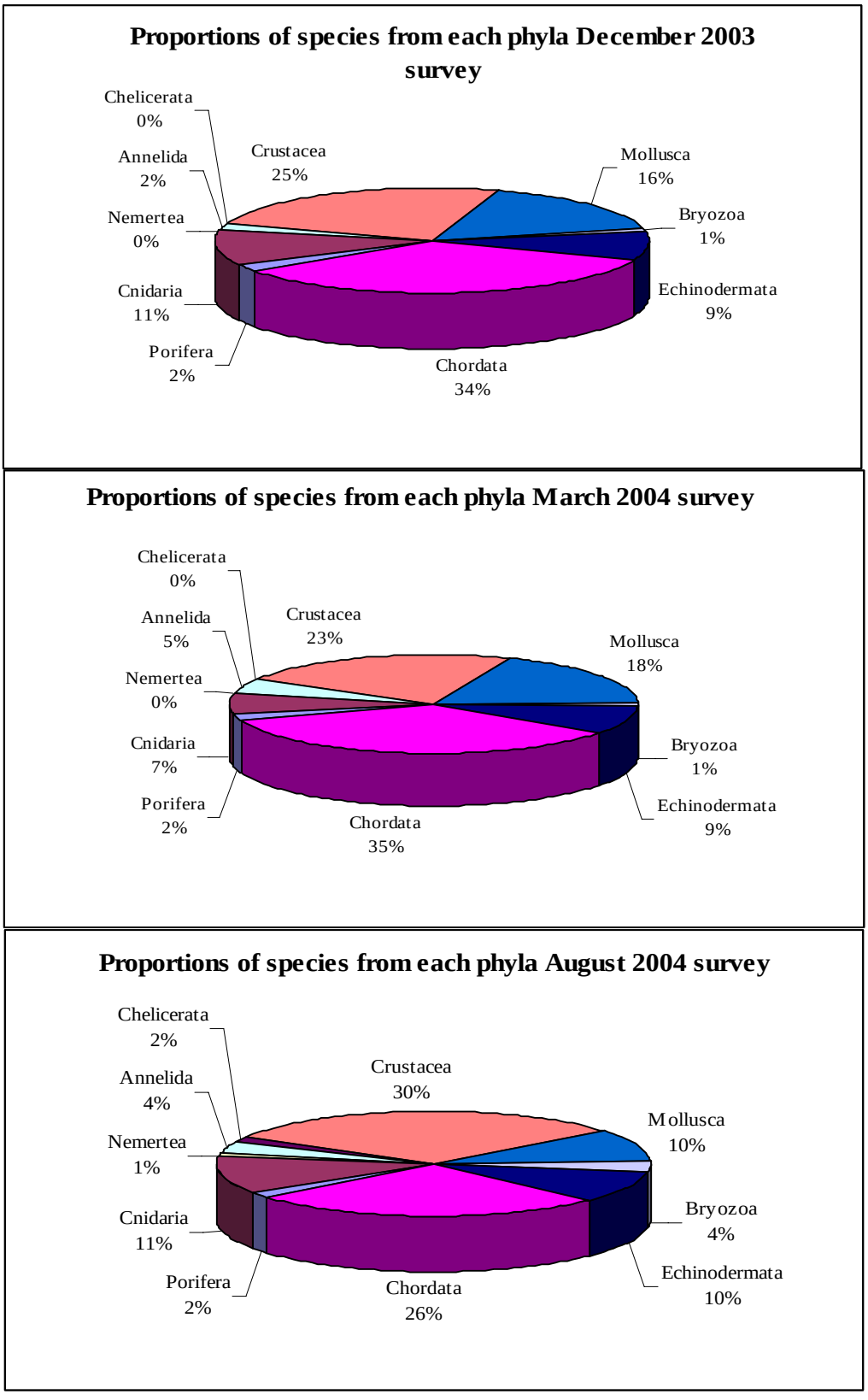
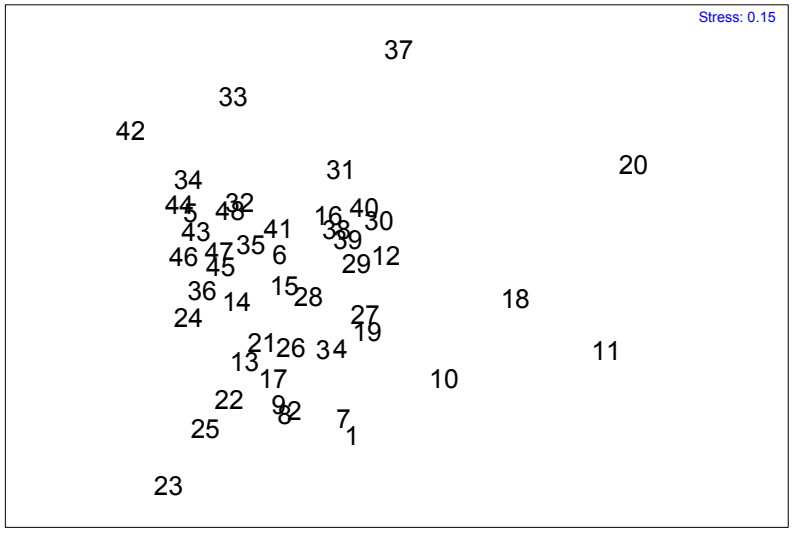


Figure 35: Total catch composition for Dec (top), Mar (middle) & Aug (bottom) trawl surveys



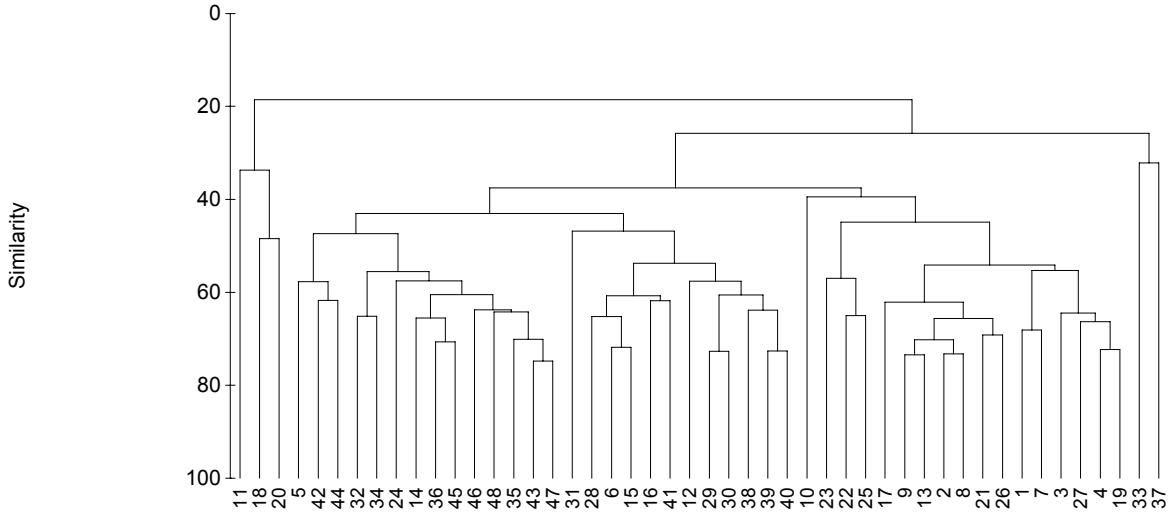
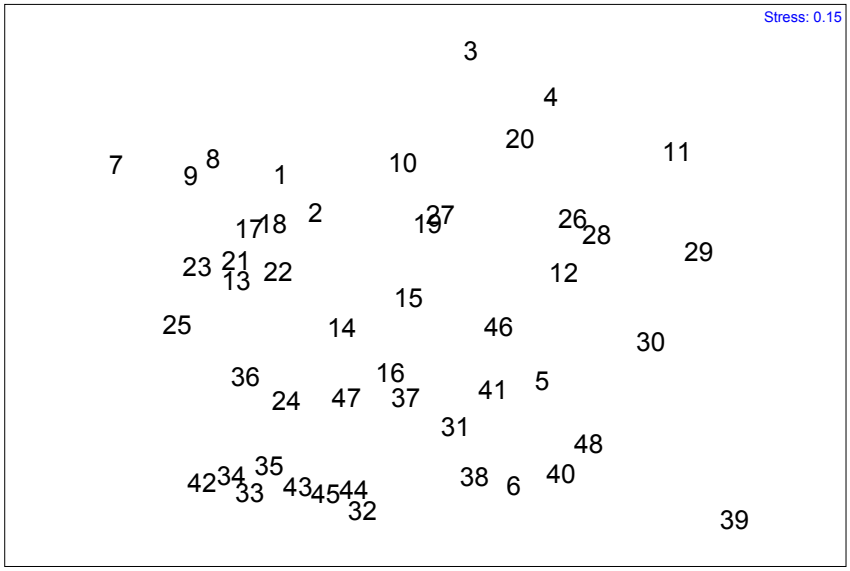


Figure 36: MDS plot (top) and associated dendrogram (bottom) for the December 2003 beam trawl survey.



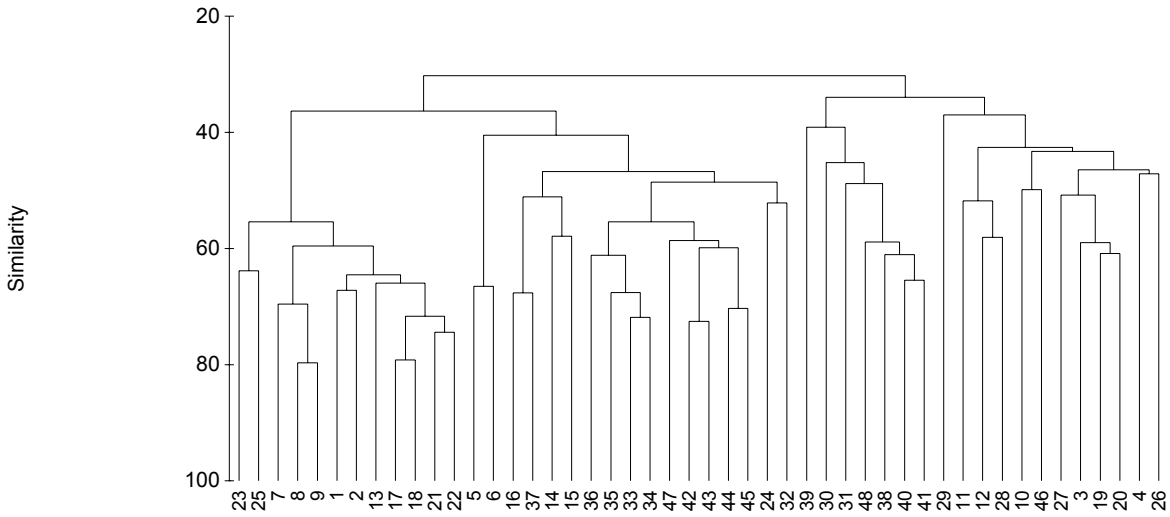
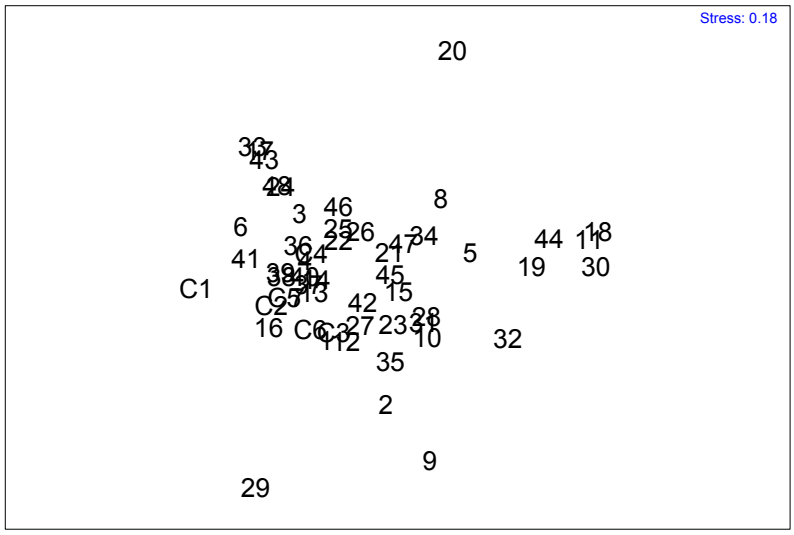


Figure 37: MDS plot (top) and associated dendrogram (bottom) for March 2004 beam trawl survey



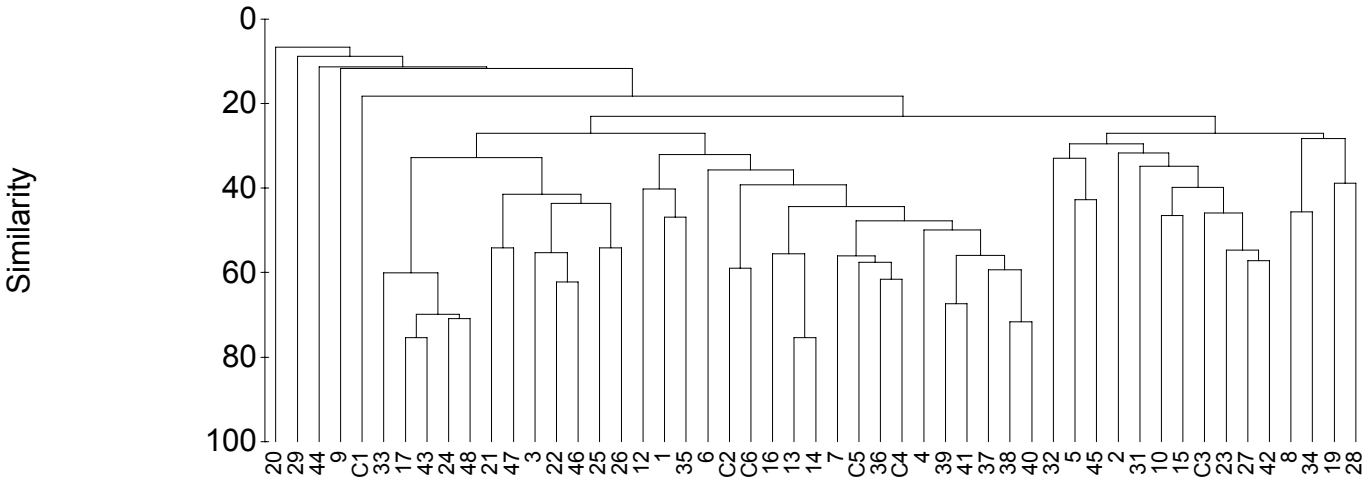


Figure 38: MDS plot (top)and associated dendrogram (bottom) for August 2004 beam trawl survey

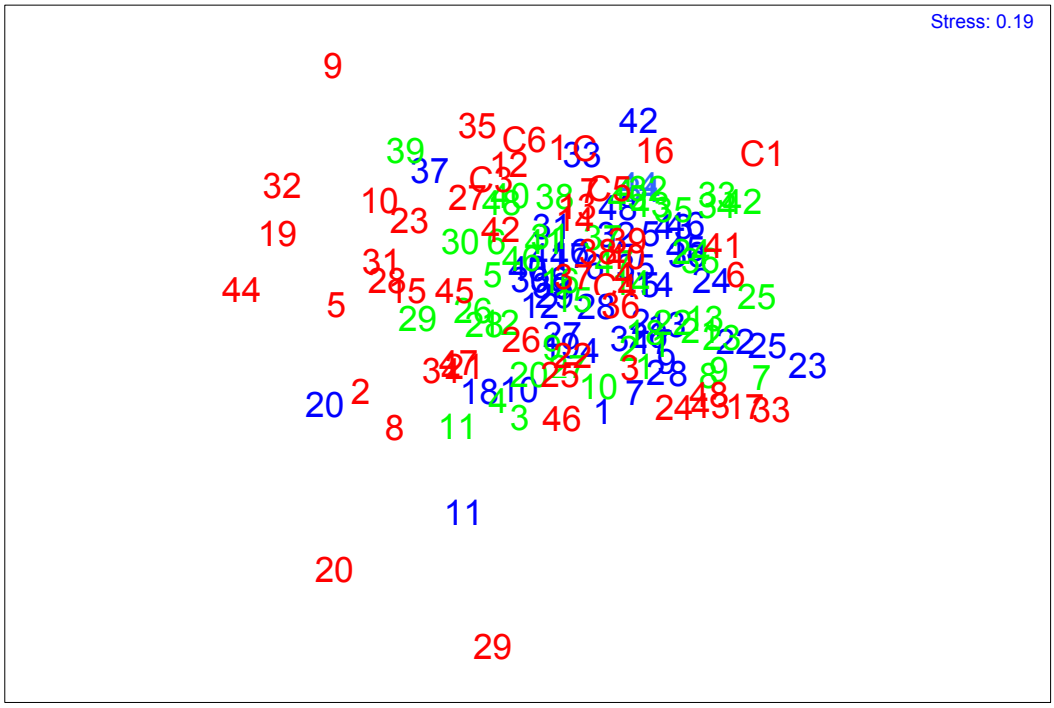
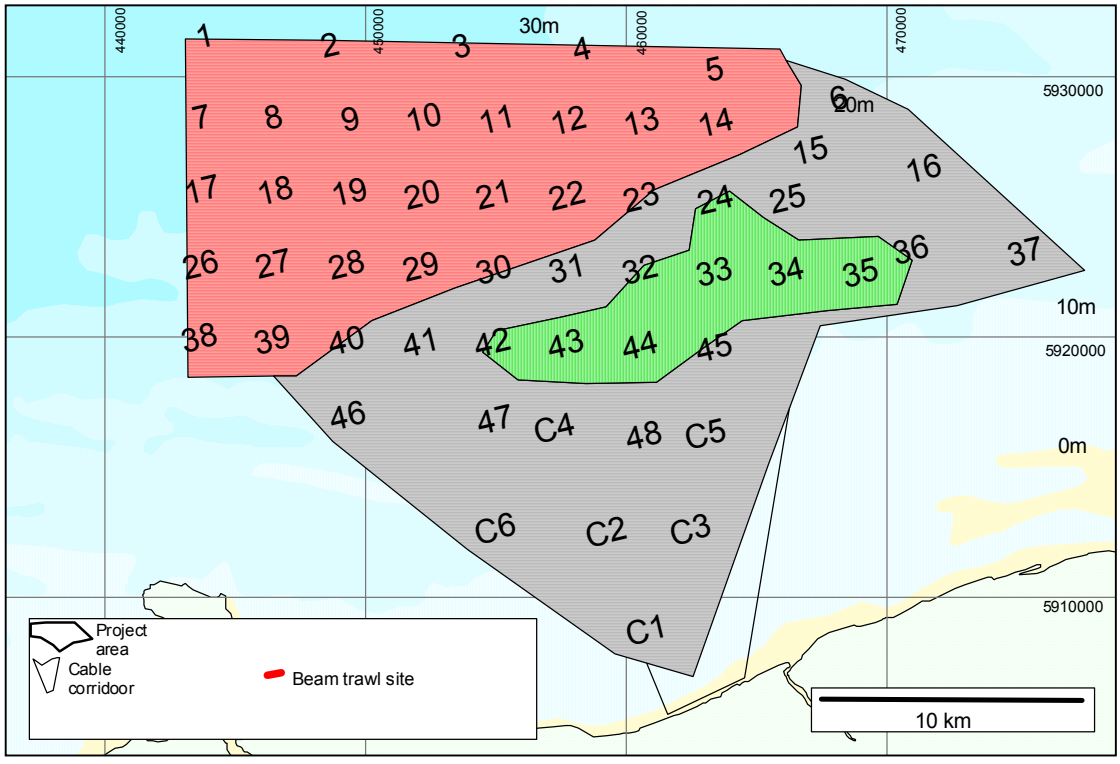


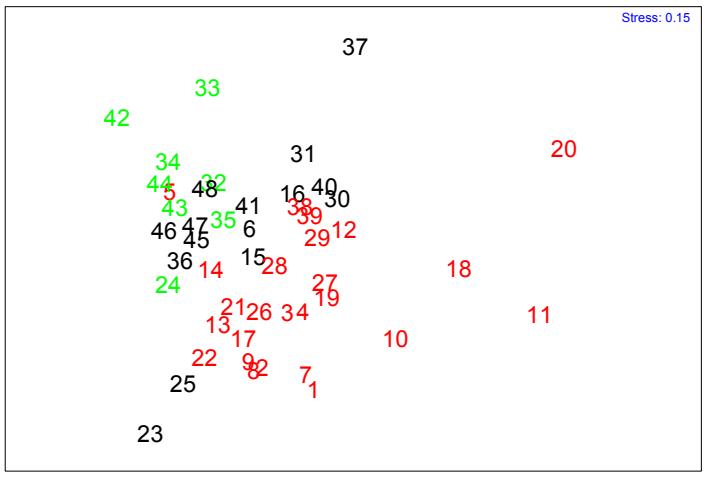
Figure 39: MDS plot for all beam trawl results December (Blue), March (Green) and August (Red)



Red – *Microcheirus-Pagurus* assemblage Green – *Alcyonium* assemblage Black – *Pleuronectes-Limanda* assemblage

Figure 40: Tentative map of possible assemblages from beam trawl data, based on the assemblages of Ellis *et al* (2000).

December 2003

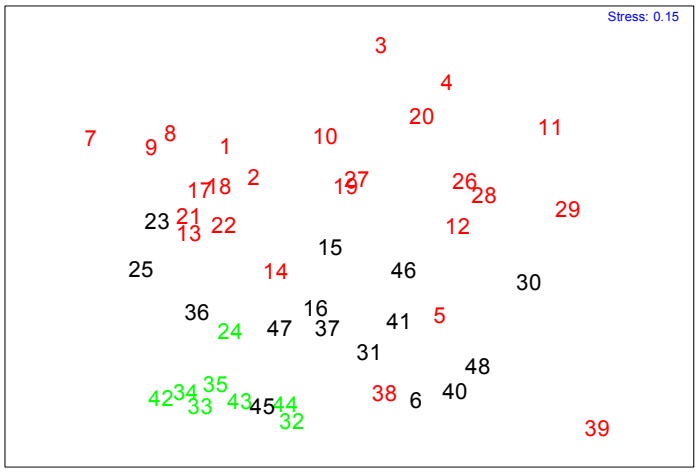


Red – *Microcheirus-Pagurus* assemblage

Green – *Alcyonium* assemblage

Black – *Pleuronectes-Limanda* assemblage

March 2004



August 2004

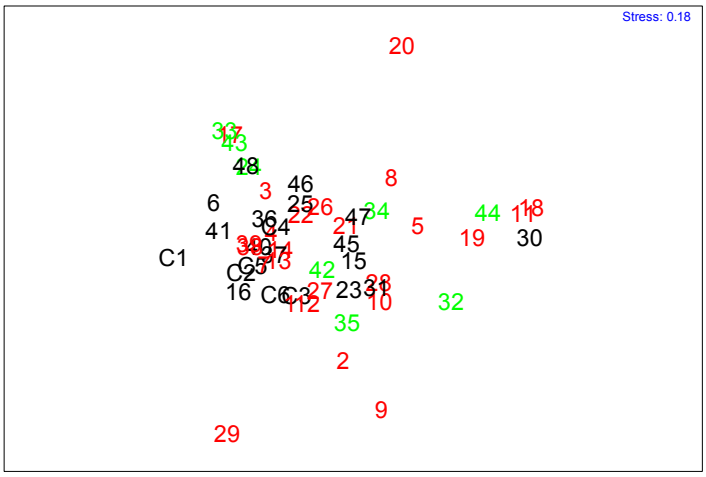


Figure 41: MDS plots for beam trawl contents for the three survey dates, coloured according to the three major assemblage types to which they have were tentatively assigned.

3.3.5 Epifaunal / demersal communities

The epifaunal communities found during these characterisation beam trawl surveys showed a strong general similarity to the *Pleuronectes-Limanda* (Plaice-Dab) assemblage as described by Ellis *et al* (2000) which found this assemblage within and around the 20m contour of the Liverpool Bay area. Ellis *et al* state that this assemblage was dominated by flatfish plaice (*Pleuronectes platessa*), dab (*Limanda limanda*) and sole (*Solea solea*) and the starfish *Asterias rubens*, while the the hermit crab *Pagurus bernhardus,* the sand star *Astropecten irregularis*, the dab *Limanda limanda,* and the solenette *Buglossidium luteum* are important as discriminating species, and except for sole these were all widespread and fairly abundant during the characterisation survey.

Overall much of the area, particularly in areas within the 20m depth contour, does seem to correspond quite well with the *Pleuronectes-Limanda* (Plaice-Dab) assemblage but many places, especially much of the north-western parts of the survey area and the eastern part of the proposed development, may have some match with Ellis *et al's* "*Alcyonium*" assemblage due to the amount of hard substrate. Species such as *Alcyonium digitatum* (Dead Man's Fingers), and many hydroids and bryozoans and the plumose anemone *Metridium senile* are indicative of coarser, harder grounds. Ellis *et al* stated that the dominant fauna in their *Alcyonium* assemblage were *Alcyonium digitatum*, *Asterias rubens* and dab, and that high catch rates of *A. digitatum*, *M. senile*, velvet swimming crab *Necora puber*, sea urchin *Psammechinus miliaris* and dab helped to distinguish this from other assemblages.

In the deeper areas elements of Ellis *et al's Microcheirus-Pagurus* assemblage are apparent, such as increasing numbers of the hermit crab *Pagurus prideauxi* as opposed to *P. bernhardus*, and arguably increasing importance of dragonet *Callionymus lyra* (at least in the March surveys, when this species was most abundant), while the thickback sole *Microcheirus variegatus* itself became fairly widespread, though only found in small numbers. *M. variegatus* and *P. prideauxi* were both absent from areas less than 10m below LAT, and more abundant in areas deeper than 20m. According to Ellis *et al's* study the *Microcheirus-Pagurus* assemblage is found in slightly deeper areas than the *Pleuronectes-Limanda* assemblage and the beam trawl results here suggest the boundary between the two does lie very roughly in the area of the 20m contour, at least in this region of the Irish Sea.

Interpretation is complicated by the fact that many sites clearly contain elements of both sandier and much harder ground, a result of the patchy nature of the seabed in many places. Site 36 is a good example, containing frequent records of both *Astropecten irregularis*, the sandstar, which inhabits well sorted sands, and also hard bottom indicators such as *Metridium* and *Alcyonidium* attached to larger stones and small boulders. However, a tentative map of the three assemblages has been produced in Figure 40.

Multi dimensional scale plots and associated dendrograms for each trawl survey are displayed in Figures 36 to 38 with an overall MDS plot for all trawls displayed in Figure 39. These in themselves reveal little in the way of obvious groupings. Numerous attempts were made to identify groupings based on the associated dendrograms at various levels of similarity, with all three surveys, but none made any clear sense when viewed in the light of depth, bottom type or distribution of known indicator species as discussed above. For example, the December data (containing the largest numbers of species and individuals, at least for fish) would split into three groups at the 20% similarity level (sites 11, 18 and 20; sites 33 and 37; and all other sites), largely on the basis of numbers of *Psammechinus miliaris*, *Asterias rubens* and *Metridium senile* according to simper analysis. When a higher similarity was used as the cutoff point, the groupings were more complex and again showed no particular relationships with depth, bottom type or distribution of known indicator species. Since it was possible to create numerous very different groupings in this way, none any more convincing than any other, this approach was abandoned in this instance. In contrast, overlaying the tentative assemblages described above onto the MDS plots for the three surveys gives reasonably convincing groupings for the December and March surveys, though not for the August surveys (Figure 41).

In summary, it appears that the proposed Gwynt y Môr Offshore Wind Farm project area covers communities equivalent to the *Pleuronectes-Limanda* (plaice-dab) and *Microcheirus-Pagurus* assemblages of Ellis *et al* (2000), the boundary between which approximates to the 20m contour, but also contains significant harder bottom areas to the east and north-west which, particularly in the eastern end, probably equate better to the *Alcyonium* (dead man's fingers) assemblage on the harder grounds (Figure 40).

3.4 Benthic Community Analysis

A combination of techniques was used to investigate overall community structure and relate the communities to published biotopes (Connor *et al*, 2004). The majority of the analysis was carried out on faunal data from the grabs with multivariate statistics using the programme PRIMER v5. A broad initial site classification was prepared using a dendrogram based on a matrix of similarity indices, with a single replicate from each site being used in order that they were all comparable. A square-root transformation was used to reduce the influence of variations in numbers due to seasonality and inter-annual variation. Data was limited to those species contributing 10% of fauna in at least one sample in order to reduce undue influence from rare taxa as is usually recommended. A similarity level of 20% was chosen from the dendrogram as a suitable similarity level to produce a reasonable number of groupings. The dendrogram is displayed in Appendix 10 with the site classifications produced superimposed onto a multidimensional scaling (MDS) plot based on the same data (Figures 42 and 43).

Sediment type is a major factor in determining community type. Sediment types according to JNCCs version of the Folk classification are therefore superimposed onto the site classification MDS plot in Figure 44. This confirms that sediment type is a major influence on the communities found in this case, although there is considerable overlap between communities found on the sandy gravel and the gravelly sand.

The main community relationships identified by these classification methods were inevitably fairly broad and variable, but in the majority of cases the communities were a reasonable match to sublittoral biotopes as defined by Connor *et al* (2004). However, the groupings were then refined (i.e. a number of sites were re-assigned to different groups) by taking account of the distribution of important indicator species as well as the dominant species, and by taking account of information from the beam trawl surveys, as well as bathymetric and sediment data. During this process it was found that many of the outlying sites in Figures 42 and 43 represented species poor communities which could realistically be categorised with one or other of the main groupings. Using this process it was possible to produce an indicative map of the main biotopes and communities present (Figure 45). However, in order for this to make sense one of the initial groupings (group 6a) had to be split into two biotopes based on distribution and numbers of characteristic species.

Detailed descriptions of the biotopes found, including site numbers are given in Table 6, while Table 7 gives summary statistics on the abundances of the main taxa found, along with mean numbers of species and taxa and total numbers of taxa.

The biotope map in Figure 45 also includes biotopes in areas to the south east of the survey area based on information collected during the EIA for the North Hoyle wind farm. It should be remembered that biotope interpretation is by no means clear cut and there will be substantial variation within each broad zone (and probably even the smaller ones) since i) it is difficult to assign biotopes to wide areas based on small numbers of samples; ii) there is not a very strong relationship between the communities found in the biological sampling and the seabed descriptions from the geophysical survey; iii) many of the fauna within seabed sediments are highly variable in both time and space and there are numerous overlaps and similarities between different biotopes.

Table 6: A summary of the main biotopes and communities found during the surveys with descriptive notes.

Biotope code and name	Notes
SS.SSA.IfiSa.NcirBat *Nepthtys cirrosa* and *Bathyporeia* spp. in infralittoral sand **Sites**: 155, 157, 159, 171, 173, 174, 184, 189, 209, 251, C1, C17, C20, C22	This biotope is quite species poor in places, and so occasionally resembles the relatively barren biotope "Infralittoral mobile clean sand with sparse fauna" (ImoSa) (these two biotopes are considered by Connor *et al*, 2004, to grade into each other), but overall there is probably sufficient fauna to justify retaining them within NcirBat. There are no extensive areas of this biotope which appears to be limited to patches of moderately- to very-well sorted medium sands, probably representing the more mobile sands in the area. Characteristic species such as the predatory polychaete *Nephtys cirrosa* and burrowing amphipods, including *Bathyporeia guillamsonia* and *B. elegans*, are well represented, along with a variety of less abundant species. Not surprisingly, elements of surrounding biotopes are occasional represented (e.g. *Moerella pygmaea* from "MoeVen" and *Magelona johnstoni* from "FfabMag") but overall the community fits quite well with the biotope description provided by Connor *et al* (2004).
SS.SSA.ImuSa.FfabMag *Fabulina fabula* and *Magelona mirabilis* with venerid bivalves and amphipods in infralittoral compacted fine muddy sand **Sites**: C4, C5, C6, C7, C8, C9, C10, C11, C12, C14, C15, C16, C18, C19, C21, C36, C39, C40, C43, C44, C45, C47,	This biotope contains most of the characteristic species of the NcirBat biotope but the sediment is less disturbed and the fauna consequently somewhat richer, with large numbers of polychaete worms such as *Magelona johnstoni* (usually considered part of the *M. mirabilils* group), as well as moderate numbers of the bivalve *Fabulina fabula*. In these examples the venerid component appears to be almost absent, but this nevertheless appears to be the most appropriate biotope. The area seems to be less muddy than some examples of the FfabMag biotope, and possibly for this reason, is not particularly rich. The bivalve *Donax vittatus*, frequently found in shallow sands, was very abundant at a single site (C44) in the south east of the surveyed area. This species is particularly variable in numbers from year to year and appears not to be closely associated with any particular biotope. The polychaete worm *Lagis koreni*, considered an important food item for many flatfish, was similarly very abundant only at site C45 located in the south east.
SS.SSA.IMuSa.EcorEns *Echinocardium cordatum* and *Ensis spp.* in lower shore and shallow sublittoral slightly muddy fine sand Sites: None from GYM characterisation surveys. This biotope mapped from an area surveyed during development of the North	This community was mapped in 2001 during baseline surveys in support of the EIA for the North Hoyle wind farm. A single grab site (C44) surveyed in this area during the present work had many of the characteristic species although it arguably had a greater similarity to the FfabMag biotope, (with which this EcorEns shares a great many species), since there were no *Echinocardium.* However, the 2001 surveys were based on a much greater amount of information from grabs, trawls and anchor dredges, so the area is still considered to be EcorEns.

Biotope code and name	Notes
Hoyle wind farm	
SS.SCS.CCS.MedLumVen *Mediomastus fragilis*, *Lumbrineris* spp. and venerid bivalves in circalittoral coarse sand or gravel **Sites**: 6, 8, 9, 11, 12, 13, 14, 15, 16, 18, 19, 20, 21, 22, 23, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 52, 53, 54, 55, 56, 57, 58, 59, 60, 62, 63, 64, 65, 66, 67, 68, 69, 70, 75, 76, 77, 79, 80, 81, 87, 90, 97, 99, 102, 106, 107, 110, 114, 124, 126, 129, 132, 133, 134, 139, 140, 141, 150, 151, 152, 153, 154, 164, 165, 166, 167, 168, 180, 181, 182, 183, 194, 196, 197, 198, 203, 208, 215, 218, 224, 231, 232, 233, 244, 245, 246, 247, 248, 249, 250, 256, 258, 260, 261, C24, C29, C46	This is a polychaete dominated community, often moderately rich in taxa and individuals, characterised by *Mediomastus fragilis* and *Lumbrineris* spp (in this case mainly *L gracilis*). Numerous other polychaetes typical of this biotope were found, including *Spiophanes bombyx*, *Protodorvillea kefersteini*, *Owenia fusiformis*, and *Poecilochaetus serpens,* as well as the urchin *Echinocyamus pusillus,* and the brittle star *Amphipholis squamata.* *V*enerid and other robust bivalves occur, especially *Moerella* spp, *Thracia* spp and *Dosinia* spp, with smaller numbers of *Timoclea ovata*. A number of other typical bivalves such as *Abra alba*, and the extremely small species *Mysella bidentata* are fairly widespread. Connor *et al* (2004) point out that venerid bivalves, which are often quite large, are frequently under-recorded by grab surveys. They also point out that on more gravelly examples of this biotope epifauna are common. This is the case here, particularly in central areas of the study area, and notable epifauna include encrusting tubeworms, particularly *Pomatoceros triqueter*, dead man's fingers *Alcyonium digitatum*, and anemones such as *Cerianthus lloydii* and *Metridium senile*. The community appears to be a good match with this biotope. This biotope is considered by Connor *et al* (2004) to be a deep water variant of the MoeVen biotope which is also common within the Gwynt y Môr project area.
Unclassified stoney ground Similar to SS.SCS.CCS.MedLumVen and SS.SCS.ICS.MoeVen but very stoney. **Sites;** None successfully sampled	This area consisted of a mixture of sands and gravels with a particularly high stone content so that successful grabbing was impossible. Evidence from the OSIRIS seabed survey, as well as visual observations from stones and small amounts of sand/gravel trapped in the jaws of the grab during grabbing attempts, suggest the overall community is likely to be broadly similar to the stoniest areas of the MedLumVen biotopes located to the north. Beam trawl sites C4, C5, & 47 were found within this area and the catches from them support this possibility to some degree, 47 and C4 showing catches fairly high in hard ground epifauna such as *Alcyonium digitatum*, *Metridium senile* and bushy hydroids and bryozoa, though noticeably low in *Psammechinus miliaris* which seems to be restricted to sites further offshore. Beam trawl C5 appears to have less coarse ground, however, with numerous flatfish species, sand gobies etc but much less hard ground epifauna. The seabed survey had incomplete coverage in this area, but results suggest that much of the area consists of medium sands and gravels with frequent streaks of coarser material. Thus it is likely that there are frequent less coarse areas, perhaps with fauna more similar to the MoeVen biotope (see below). The difficulty in grabbing despite numerous attempts would suggest that overall the amount of coarse material is high, however.

Biotope code and name	Notes
SS.SCS.ICS.MoeVen *Moerella* spp. with venerid bivalves in infralittoral gravelly sand **Sites**: 1, 2, 3, 4, 5, 7, 10, 17, 24, 25, 32, 51, 61, 71, 72, 73, 74, 78, 82, 83, 86, 88, 89, 92, 94, 95, 96, 98, 100, 101, 103, 104, 105, 108, 109, 111, 112, 113, 115, 116, 117, 118, 119, 120, 121, 122, 123, 125, 127, 128, 130, 131, 135, 136, 137, 138, 142, 143, 144, 145, 146, 147, 148, 149, 156, 158, 160, 161, 162, 163, 169, 170, 172, 175, 176, 177, 178, 179, 185, 186, 187, 188, 190, 191, 192, 193, 195, 199, 200, 201, 202, 204, 205, 206, 207, 210, 211, 212, 213, 214, 216, 217, 219, 220, 221, 222, 225, 226, 227, 228, 229, 230, 235, 236, 237, 238, 239, 240, 241, 242, 243, 252, 253, 254, 255, 257, 259, C13, C26, C32, C34, C35, C41, C48, Plus areas surveyed in August 2001 during N Hoyle wind farm EIA	This biotope is characterised by shallow water venerid bivalves such as *Moerella* spp, *Dosinia* spp and others which were commonly found in this survey. The polychaete *Glycera lapidum* is also normally characteristic but more or less absent here, but other typical groups such as spionid and nephtyd worms and amphipods were frequent, and overall there is a good match with the biotope description. MoeVen is considered by Connor *et al* (2004) to be the shallow water variant of the MedLumVen biotope. Previous versions of the biotope classification included this community as part of the IGS.Sell biotope that, in the most recent version of biotope descriptions, is no longer recognised. IGS.Sell has now been split into this MoeVen biotope plus SS.SSA.ImuSa.SsubNhom (characterised by *Spisula substruncata* and *Nephtys hombergi,* and generally occurring on muddier sediments than MoeVen). Large areas identified as IGS.Sell at the North Hoyle wind farm appear to match the MoeVen biotope rather than SsubNhom. These areas also share some similarity with the MedLumVen biotope, mainly due to quite high densities of *Mediomastus fragilis*, but nevertheless appear best to match MoeVen and have been mapped as such here, with the exception of sites located on the North Hoyle cable route which have been updated using the information from the 2004 surveys.
SS.SCS.ICS.SLan: Dense *Lanice conchilega* and other polychaetes in tide-swept infralittoral sand and mixed gravely sand **Sites**: C2, C3	This area is defined on the basis of only two single replicate grab sites, one of which contained *L conchilega* at the equivalent of over 200/m^2, while the other had a single specimen. Both sites had a high proportion of pebbles as well as some silt. The fauna was rich in numbers of individuals, though less so in terms of numbers of taxa, and was dominated by other polychaetes, especially *Owenia fusiformis* and *Anaitides mucosa*. *Lagis koreni*, an important food item for flatfish, was quite abundant. The community appears only to be a reasonable match for the biotope community given by Connor *et al* (2004), but the latter do acknowledge that the infauna associated with this biotope is likely to be highly variable.

Table 7: Average numbers (per 0.1m^2) of the twenty most abundant taxa (countable taxa only) in each biotope or community identified from the grab survey, together with numbers of taxa and individuals, and a summary of the main colonial organisms found.

SS.SSA.IfiSa.NcirBat		SS.SSA.ImuSa.FfabMag		SS.SCS.CCS.MedLumVen		SS.SCS.ICS.MoeVen		Unclassified – species rich inshore stony sands and gravels	
Bathyporeia guilliamsoniana	4.31	*Magelona johnstoni*	21.49	*Pomatoceros triqueter*	37.34	*Nephtys cirrosa*	7.57	*Owenia fusiformis*	64.5
Nephtys cirrosa	3.64	*Bathyporeia guilliamsoniana*	12.89	*Ampharete lindstroemi*	11.69	*Bathyporeia guilliamsoniana*	4.37	*Anaitides mucosa*	49.0
Magelona johnstoni	1.31	*Donax vittatus*	11.86	*Nemertea spp.*	8.59	*Spiophanes bombyx*	4.20	*Lanice conchilega*	20.0
Spiophanes bombyx	1.22	*Lagis koreni*	5.33	*Mediomastus fragilis*	8.12	*Ophelia borealis*	3.10	*Lagis koreni*	12.5
Bathyporeia elegans	0.80	*Glycera tridactyla*	3.91	*Aonides paucibranchiata*	7.38	*Moerella pygmaea*	2.76	*Eteone longa/flava (agg.)*	11.0
Glycera oxycephala	0.67	*Nephtys cirrosa*	3.30	*Photis longicaudata*	6.63	*Nemertea spp.*	2.48	*Glycera tridactyla*	9.5
Moerella pygmaea	0.67	*Fabulina fabula*	2.15	*Ericthonius punctatus*	6.17	*Bathyporeia elegans*	2.10	*Mysella bidentata*	9.0
Ophelia borealis	0.40	*Spiophanes bombyx*	1.73	*Mysella bidentata*	5.93	*Scoloplos armiger*	1.59	*Nephtys assimilis*	8.5
Moerella donacina	0.40	*Bathyporeia elegans*	1.65	*Pista cristata*	5.48	*Poecilochaetus serpens*	1.43	*Pholoe inornata*	8.5
Diastylis bradyi	0.36	*Owenia fusiformis*	1.64	*Phoronis sp.*	5.35	*Exogone hebes*	1.42	*Mediomastus fragilis*	7.0
Hesionura elongata	0.33	*Pharus legumen*	1.47	*Pholoe inornata*	5.27	*Ericthonius punctatus*	1.37	*Spiophanes bombyx*	5.5
Echinocyamus pusillus	0.33	*Mysella bidentata*	0.96	*Spiophanes bombyx*	5.10	*Urothoe elegans*	0.98	*Ophiura ophiura*	5.5
Nemertea spp.	0.33	*Ophelia borealis*	0.68	*Scalibregma inflatum*	4.70	*Glycera oxycephala*	0.95	*Eumida bahusiensis*	4.5
Spio armata	0.27	*Nemertea spp.*	0.65	*Poecilochaetus serpens*	4.39	*Hesionura elongata*	0.90	*Nephtys sp. (Juv.)*	4.0
Eteone longa/flava (agg.)	0.22	*Chaetozone setosa type B*	0.64	*Lumbrineris gracilis*	4.38	*Corophium sextonae*	0.89	*Pholoe baltica*	3.5
Scolelepis) bonnieri	0.22	*Polinices pulchellus*	0.61	*Paradoneis lyra*	4.36	*Pseudomystides limbata*	0.80	*Actinaria*	3.5
Aricidea cerrutii	0.20	*Amphiura brachiata*	0.51	*Urothoe elegans*	3.61	*Mediomastus fragilis*	0.80	*Amphiura brachiata*	2.5
Exogone naidina	0.20	*Ophiura ophiura*	0.51	*Cerianthus lloydii*	3.56	*Aonides paucibranchiata*	0.79	*Polinices pulchellus*	2.5
Paradoneis lyra	0.20	*Scolelepis bonnieri*	0.48	*Caulleriella alata*	3.52	*Polycirrus medusa*	0.78	*Phyllodoce groenlandica*	2.0
Sphaerosyllis hystrix	0.20	*Echinocardium cordatum*	0.41	*Upogebia deltaura*	3.43	*Dosinia sp.*	0.61	*Notomastus latericeus*	1.5
Total no of taxa recorded	57	**Total no of taxa recorded**	72	**Total no of taxa recorded**	436	**Total no of taxa recorded**	309	**Total no of taxa recorded**	39
Mean no of Individuals /0.1m^2	19.4	**Mean no of Individuals /0.1m2**	78.3	**Mean no of Individuals /0.1m^2**	241.4	**Mean no of Individuals /0.1m^2**	60.1	**Mean no of Individuals /0.1m^2**	250.5
Mean no of taxa per 0.1m^2	9.4	**Mean no of taxa per 0.1m2**	14.9	**Mean no of taxa per 0.1m^2**	52.9	**Mean no of taxa per 0.1m^2**	23.1	**Mean no of taxa per 0.1m^2**	27.5
No of sites	15	**No of sites**	22	**No of sites**	121	**No of sites**	134	**No of sites**	2
Colonial organisms found at 20% or more of sites: *Phialella quadrata* 40% **1 colonial taxon recorded**		Colonial organisms found at 20% or more of sites: none **0 colonial taxa recorded**		Colonial organisms found at 20% or more of sites: *Clytia hemisphaerica* 46% *Conopeum reticulum* 42% *Electra pilosa* 35% *Phialella quadrata* 26% Campanulariidae 26% *Alcyonidium* sp. 22% *Alcyonium digitatum* 22% *Escharella immersa* 21% **40 colonial taxa recorded**		Colonial organisms found at 20% or more of sites: *Phialella quadrata* 69% *Conopeum reticulum* 23% **30 colonial taxa recorded**		Colonial organisms found at 20% or more of sites: *Clytia hemisphaerica* 50% **1 colonial taxon recorded**	

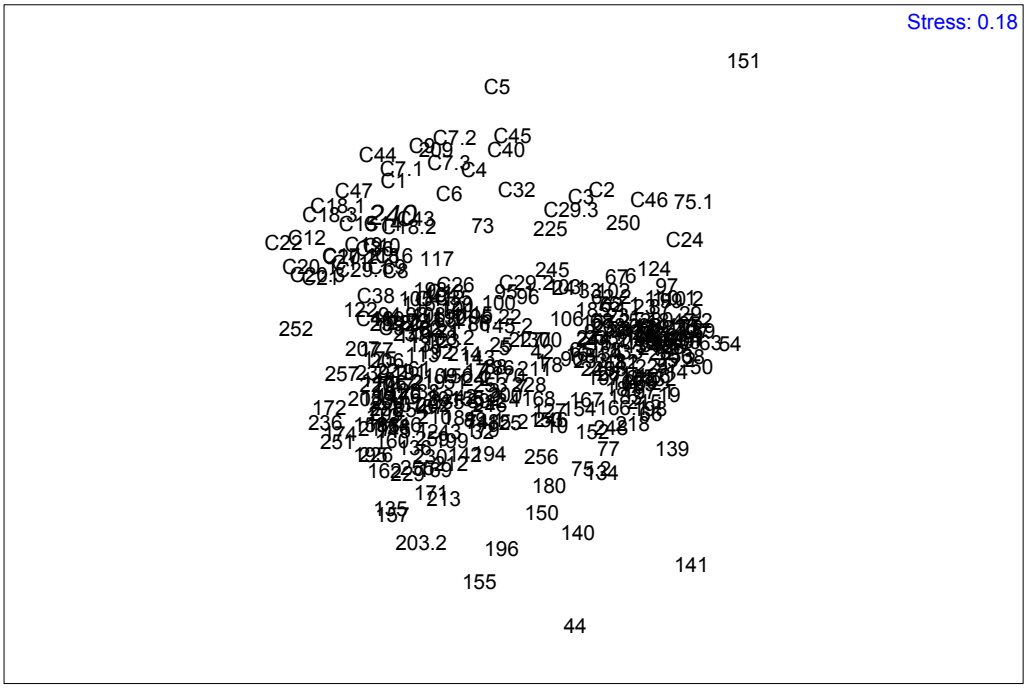


Figure 42: Multi dimensional scaling plot for all grabs from surveys of 2002, 2003 and 2004. Data was square root transformed.

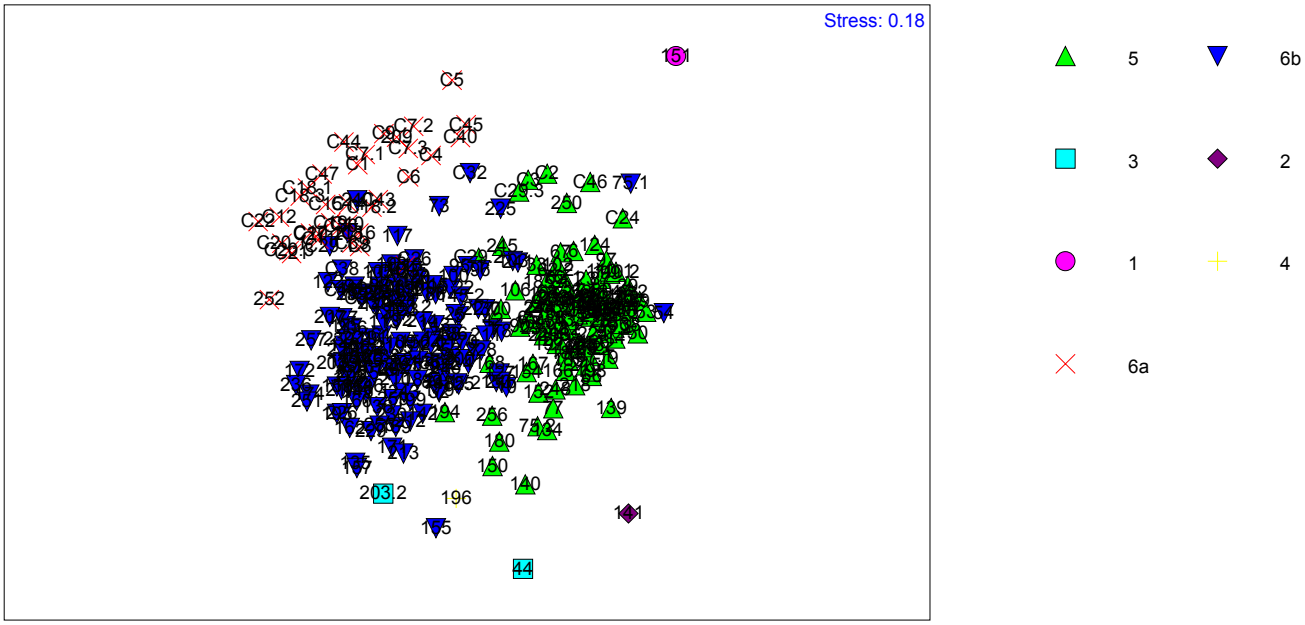


Figure 43: Multi dimensional scaling plot from the previous figure with seven initial community groupings superimposed. These provisional groupings were produced from a dendrogram based on the same similarity analysis as the MDS plot. Groupings were produced using a cutoff based on the 20% similarity level.

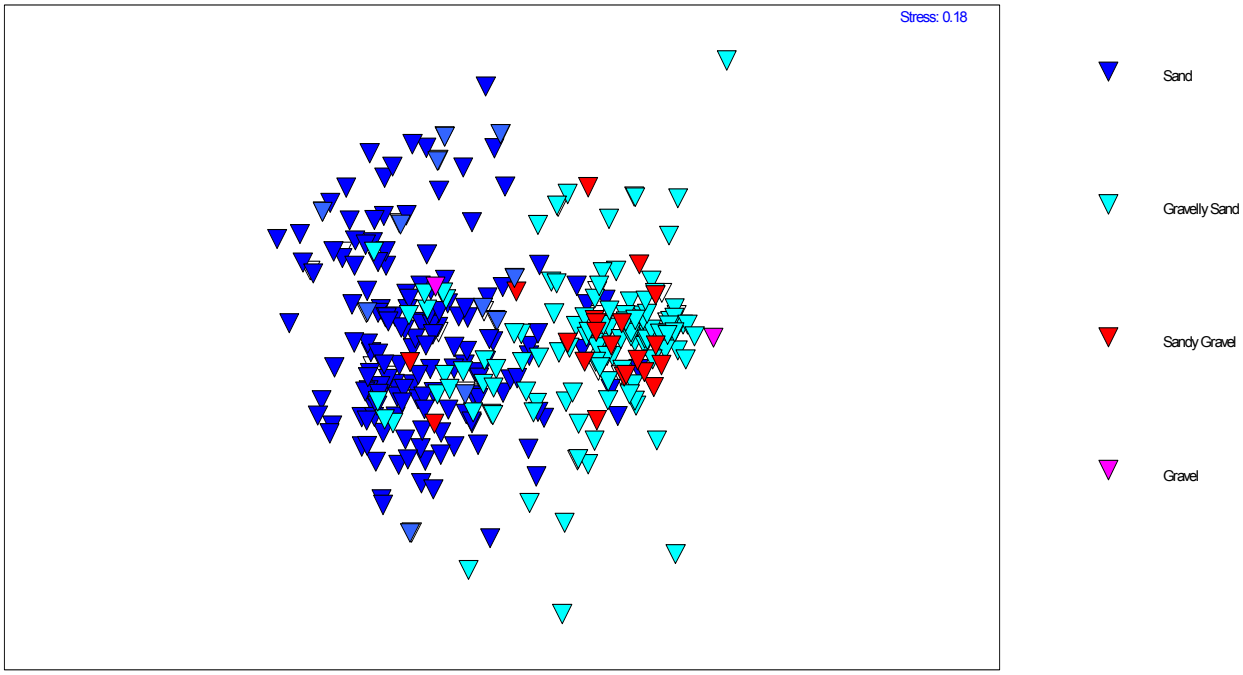


Figure 44: Multi dimensional scaling plot from the previous figures with sediment classification according to JNCC (unpublished) superimposed.

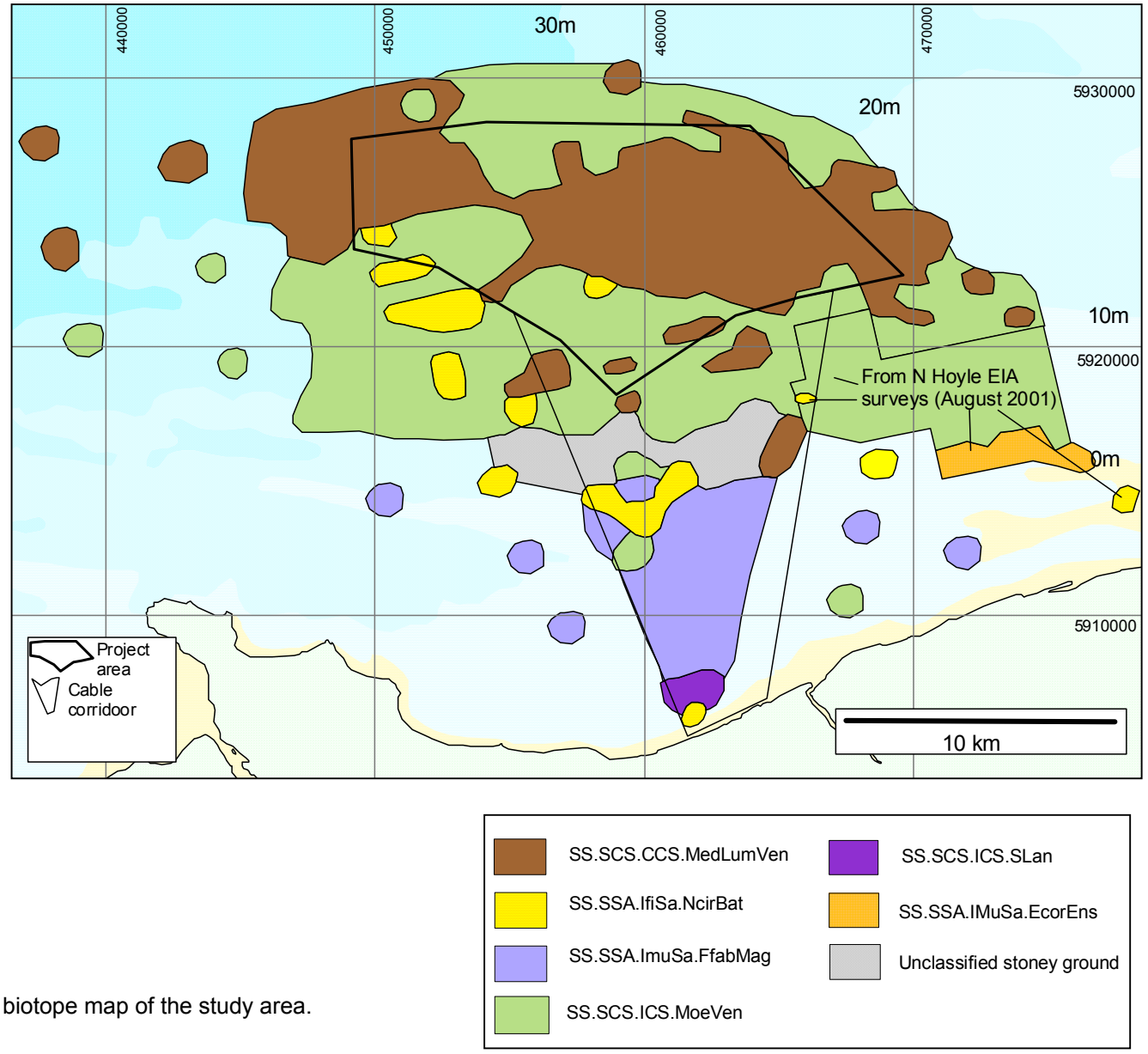


Figure 45: Indicative biotope map of the study area.

3.5 Rare, protected or unusual species

All species recorded from the surveys are known from the Irish Sea. However, it is necessary to consider if any of these species are protected by legislation or are considered to be rare or indeed unusual within the context of UK or international waters. In total four species were identified from the surveys as being either protected, rare or of interest. These are displayed in Table 8.

Table 8: Species recorded from the surveys considered to be either protected or considered rare/unusual.

Species	Phylum	Rarity/legislation/conservation interest	Survey
Acheus cranchii (Cranch's spider crab)	Crustacea	**SCARCE** (JNCC (2001) after Sanderson (1996))	Grab and Beam trawl survey
Thia scutellata (Thumbnail crab)	Crustacea	**SoCC** (Species of Conservation Concern- after UNEP (1992))	Grab
Sabellaria spinulosa Ross worm	Annelid	Species of interest. When in the form of biogenic reefs it is a priority UK BAP (Biodiversity Action Plan) habitat and an "Appendix II feature" under the EU habitats directive	Grab
Pomatoschistus minutes Sand Goby	Chordata	Appendix III Bern convention	Beam Trawl

The spider crab *Acheus cranchii* was recorded on three occasions during the survey: a single individual from each of grab sites 31 and 87 (both located within the eastern section of the survey area) and a single individual from trawl location 3 (at the north of the site) during the beam trawl survey of December 2003 (See Figure 46). The grab locations were both classified as having poorly sorted coarse gravel/sand sediments. Although this species is listed as being scarce it is considered possible that it may have been under-recorded within Welsh waters due to its similarity to other species.

The Thumbnail crab, *Thia scutellata* is considered to be nationally scarce within UK waters and is listed in the "Atlas of marine Biodiversity Action Plan species and habitats and Species of Conservation Concern in Wales" although it is not a BAP species (Clark, 1986; Rees 2001; Moore, 2002). It has narrow habitat requirements, which are limited to loose well sorted medium sands of a medium phi between 1.1 and 1.3 with a low fine sand/silt or clay content so that water infiltrates freely allowing the crab to respire (Rees, 2001). Suitable sediment locations are thus fairly limited, and in many of the areas where it has been reported it probably has a patchy distribution due to the nature of the sediments.

Thia scutellata was present at a total of 41 sites during the Gwynt y Môr survey with a maximum abundance of 3 individuals at site 125 (see Figure 46). An additional single specimen was caught in a beam trawl (beam trawl site 3, August 2004). The main distributions of *Thia scutellata* within the Irish Sea are considered to be 6-12 miles off the North Wales coastline with a smaller population off the east coast of Anglesy and limited

areas within Cardigan Bay and Camarthern Bay. *Thia scutellata* was found in and around the site of the North Hoyle wind farm (Innogy, 2002). Baseline surveys and monitoring surveys for offshore developments in the outer Liverpool Bay area have also yielded records of this species further North than described by Rees (2001) (Shalla *et al*., 1997; Holt and Shalla, 2002) and small numbers were found in similar areas during surveys in support of proposals for aggregate extraction (ERM 2002). Small numbers have also been found in a limited shallow area near proposed wind farm developments at Burbo Bank (CMACS 2002b). The species has also been reported at the entrance to the Dee Estuary (dee Estuary Phase 1 survey, unpublished). In almost all cases numbers found are small, typically averaging much less than 10/m^2. However, in the area of the Hamilton East development some 30km North of Prestatyn, a survey using 39 grab samples found an average of 2.3 crabs per grab, equivalent to an average of 23 crabs per m^2 over an area of several km^2 (Holt and Shalla, 2001). Wider distribution as determined from all of the above sources, including the present surveys, is given in Figure 46: Older records also exist for Constable Bank and the Menai Straits (Rees, 2001), while data in Rees (2005) suggests that large areas of sand waves between the study area and Red Wharf Bay on Anglesey are likely to support further populations.

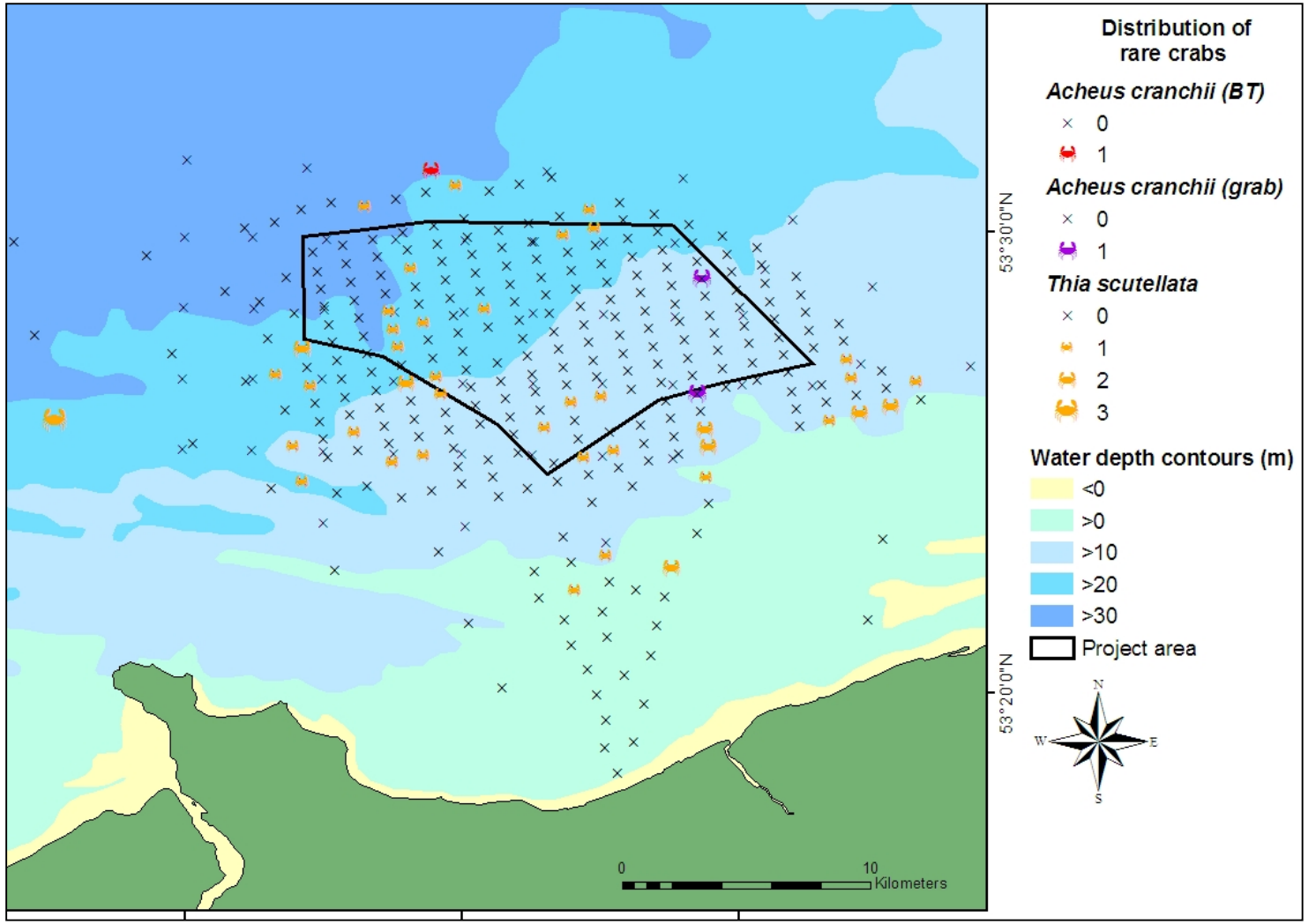


Figure 46 Distribution and abundance of the crabs *Acheus cranchii* and *Thia scutellata* in the beam trawl (BT) and grab (G) surveys.

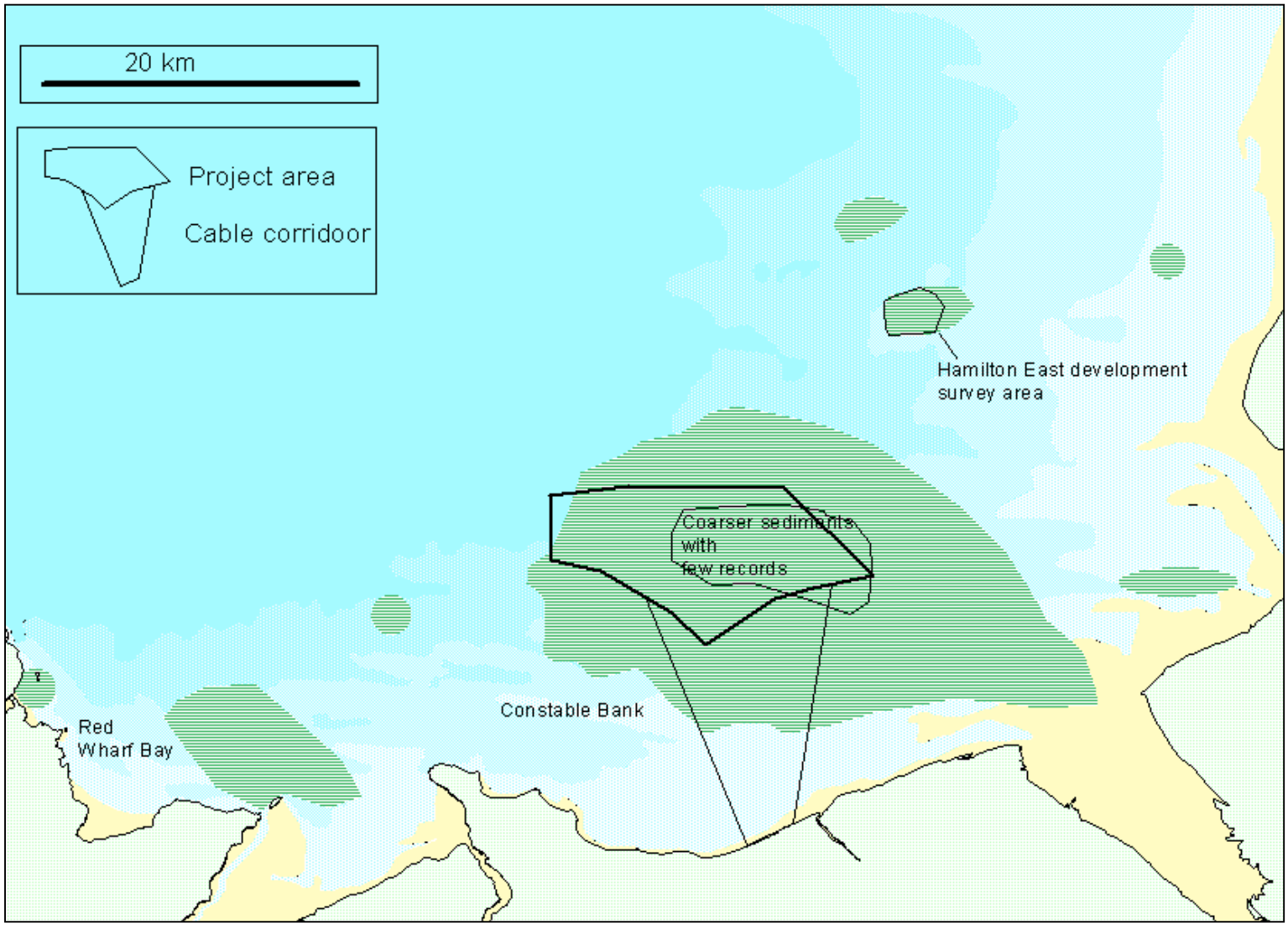


Figure 47 Distribution of the crab *Thia scutellata* off the coast of North Wales (from a variety of sources; see text for references). Selected place names referred to in the text are also shown. Hamilton East Development survey area refers to an area of particularly high densities (see text).

The "ross" worm, *Sabellaria spinulosa* is an extremely common and widespread species found in much of the north-eastern Atlantic and the Mediterranean. It can, under certain circumstances, be considered to be a species of importance due to its ability, in certain circumstances to form extensive, relatively stable aggregations, which can support rich and diverse communities and can, when particularl dens and stable, be regarded as "biogenic reefs" (Holt *et al*, 1998). However, it is more usually encountered in relatively small numbers, attached to stones, rocks, shells, algae and other suitable substrata. Foster –Smith and Hendrick (2003) suggest a figure of 375 individuals per 0.1m^2 grab could be a useful indicator of *Sabellaria* reefs. However, during the present survey only extremely low numbers of this species were encountered –a total of only 37 individuals from all 325 grabs and not a single record from the beam trawl surveys. Records were principally from the stonier areas in the north east of the study area (Figure 48).

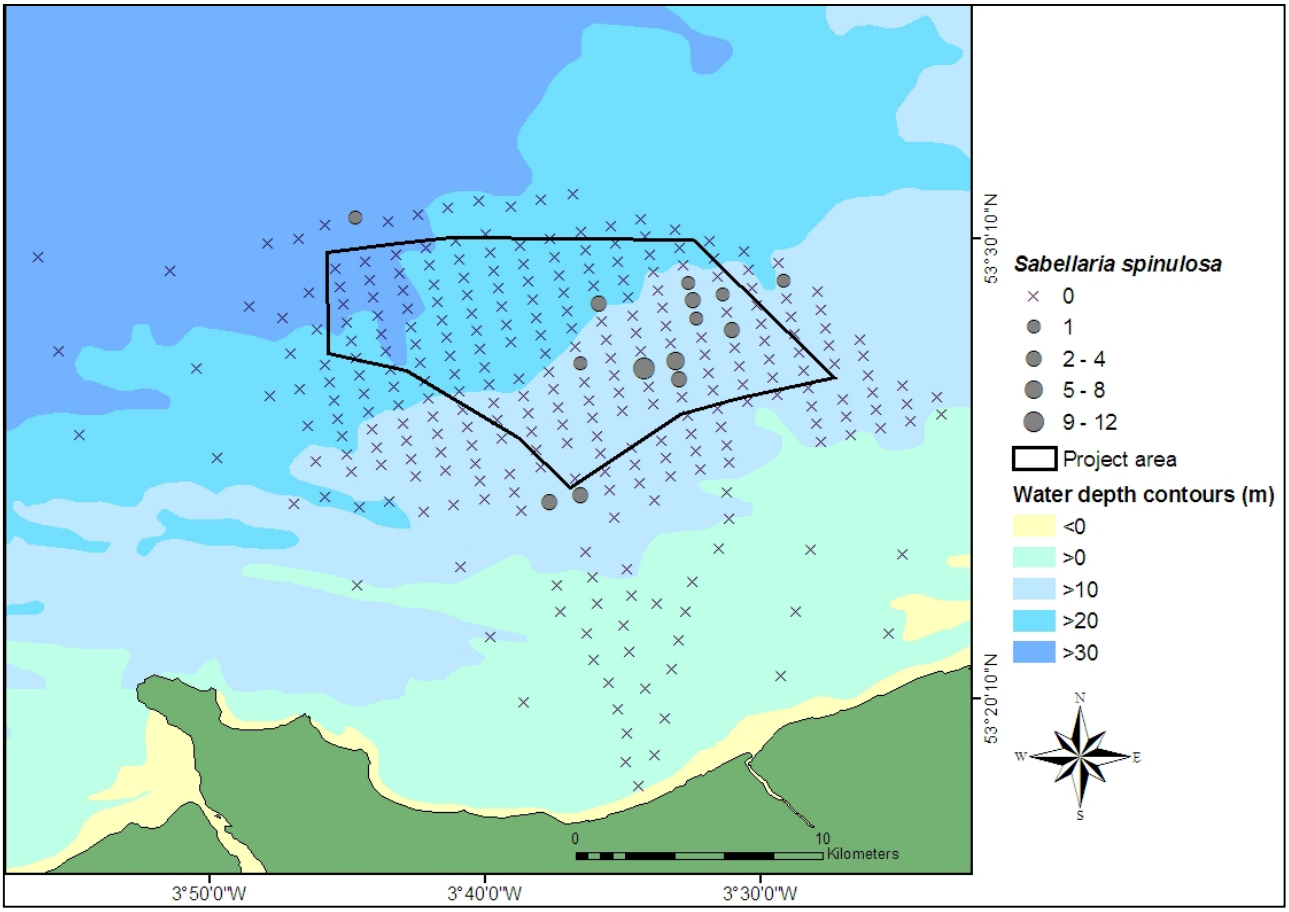


Figure 48: Distribution and abundance of the ross worm *Sabellaria spinulosa* in the three grab surveys.

The Sand Goby, *Pomatoschistus minutes* is a protected species under Appendix III (Protected Fauna Species) of the Bern Convention due to its importance at the trophic level. However, within UK waters it is considered to be an abundant fish species (Hayward & Ryland, 1994). It was one of the five most abundant fish species found in December 2003 and August 2004, and was widespread throughout the study area (see Figures 26 to 28).

4. References

Barne, J.H., Robson, C.F., Kaznowska, S.S., & Doody, J.P. (eds) 1995. *British coasts and seas. Region 12: Wales: Margam to Little Orme.* Peterborough, Joint Nature Conservation Committee:

BGS 1984. Liverpool Bay Sheet 54ºN-04ºW. 1:250,000 Series Sea Bed Sediments and Quaternary Geology. British Geological Survey.

Bray, J.R. & Curtis, J.T. 1957. An ordination of the upland forest communities of Southern Wisconsin. *Ecol. Monogr*., **27**, 325-349.

Bruce, J.R., Colman, J.S. & Jones, N.S. (ed). 1963. Marine Fauna of the Isle of Man. Liverpool Marine Biological Committee Memoirs Typical British Marine Plants and Animals, Liverpool University Press, 2nd edition, 307 pp.

Buchanan, J.B. 1984. Sediment Analysis In: Holme, N.A & McIntyre, A. Methods for the study of Marine Benthos. Blackwell Scientific Publications, London. pp 41-65.

Camacho-Ibar, V. 1991. Trace elements and polychlorinated biphenyls (PCB) congeners in Liverpool Bay Sediments. PhD. Thesis .University of Wales, Bangor.

CEFAS 1997. Monitoring and Surveillance of Non-radioactive Contaminants in the Aquatic Environment and Activities Regulating the Disposal of Wastes at Sea, 1994. Aquatic Environment Monitoring Report No 47, Centre for Environment, Fisheries and Aquaculture Science, Lowestoft.

CEFAS, 2005. Rays in the Irish Sea for Coastal Fisheries Conservation and Management. Final report, February 2005. C2176/02. Restricted – Commercial.

Clark, K.R. & Warwick, R.M. 1994. Change in Marine Communities: An Approach to Statistical Analysis and Interpretation. Natural Environment Research Council and Plymouth Marine Laboratory: 144 pp.

CMACS, 2002a. North Hoyle Offshore Wind farm Environmental Impact Assessment Technical Report Marine Sediments. CMACS, Birkenhead, 2642, Jan 2002.

CMACS, 2002b. Burbo Offshore Wind farm Environmental Impact Assessment Technical Report Marine Ecology. CMACS, Birkenhead, 2694, Aug 2002.

Connor, D.W., Allen, J.H., Golding, N., Howell, K.L., Lieberknecht, L.M., Northern, K.O. and Reker, J.B. 2004. The Marine Habitat Classification for Britain and Ireland Version 04.05. Joint Nature Conservation Committee, Peterborough.

Connor, D.W., Dalkin, M.J., Hill, T.O., Holt, R.H.F. & Sanderson, W.G. 1997. Marine Nature Conservation Review: marine biotope classification for Britain and Ireland. Volume 2. Sublittoral biotopes. Version 97.06. JNCC Report, No. 230.

Ellis, J.R., Rogers, S.I., and Freeman, S. M. (2000). Demersal assemblages in the Irish Sea, St Georges Channel and Bristol Channel. *Estuarine, Coastal and Shelf Science* (2000) **51**, 299-315.

ERM 2002. Aggregate Poduction Licence Application Area 457 Liverpool Bay: Environmental Impact Statement. Coastal Impact Study July 2002. Prepared on behalf of Westminster Gravels Ltd.

Folk, R.L. 1954. The distinction between grain size and mineral composition in sedimentary-rock nomenclature. *Journal of Geology*, **62**, 344-359.

Hayward, P.K.J. & Ryland, J.S. 1990. The marine fauna of the British Isles and North –West Europe. Oxford Scientific Publications.

Holt, T.J. & Shalla, S.H.A. 2001. Baseline survey in support of the development of hydrocarbon production at BHP's Hamilton East site, Liverpool Bay. A report to BHP Petroleum Ltd, November 2001, C2581/11-01 v1.

Holt, T.J. & Shalla, S.H. 2002. Pre and post development surveys of oil and gas production facilities in Liverpool Bay. A report to BHP Billiton Petroleum Ltd by CMACS, University of Liverpool, November 2002. Rep no C2622 11/02.

Holt, T.J., Rees, E.I., Hawkins, S.J., & Seed, R. 1998. Biogenic Reefs (volume IX). An overview of dynamic and sensitivity characteristics for conservation management of marine SACs. Scottish Association for Marine Sciences (UK Marine SACs Project), Oban, Scotland, UK; 170 pages.

Howson, C.M. & Picton, B.E. (eds) 1997. The species directory of the marine fauna and flora of the British Isles and surrounding seas. Ulster Museum and Marine Conservation Society, Belfast and Ross-on-Wye. Ulster Museum Publication No. 276.

Innogy. 2002. North Hoyle Offshore Wind Farm Environmental Statement.

Moore, J. 2002. An atlas of marine biodiversity action plan species and habitats and species of conservation concern in Wales. 2nd Edition. CCW contract science report no 509.

MPMMG (Marine Pollution Monitoring Management Group). 1998. National Monitoring Programme Survey of the Quality of UK Coastal waters. Marine Pollution Monitoring Management Group, Aberdeen, ISBN 0 9532838 36.

OSIRIS. 2005. Bathymetric survey of the Gwynt y Môr Offshore Wind Farm Project Area. Survey report to npower renewables. OSIRIS Projects Ltd.

Rees, E.I.S. 2001. Habitat specialization by *Thia scutellata* (Decapoda: Brachyura) off Wales. *Journal of the Association of the marine Biological Association of the United Kingdom.* **81**. pp 697-698.

Rees, E.I.S. 2005. Subtidal sediment biotopes in Red Wharf and Conwy Bays, North Wales: A review of their composition, distribution and ecology. CCW Contract Science report no 655

Moore, J. (2002) An atlas of marine biodiversity action plan species and habitats and species of conservation concern in Wales. CCW Contract Science Report Number 509.

Picton, B.E. & Morrow, C.C., 2005. *[In] Encyclopedia of Marine Life of Britain and Ireland* http://www.habitas.org.uk/

Shalla, S.H.A., Holt, T.J., Hawkins, S.J. & Wolff, G.A. 1997. Environmental assessment for blocks 110/13 and 110/15, Liverpool Bay. Results from the RV Roagan cruises 1993-1994. A report to Hamilton Oil Co. Ltd (now BHP Ltd) by the Environmental Organic Chemistry and Geochemistry Group, University of Liverpool, 1997. 151 pp.

Sanderson, W.G. (1996). Rare marine benthic flora and fauna in Great Britain: the development of criteria for assessment. JNCC report number 240.

Sanderson, W., 1996**.** Rarity of marine benthic species in Great Britain: development and application of assessment criteria. *Aquatic Conservation,* **6**, 245-256.

Lieberknecht, L.M., Vincent, M. and Connor, D.W. 2003**.** Criteria for the identification of nationally important marine features. Interim report for consultation. Peterborough, Joint Nature Conservation Committee. (Available from: http://www.jncc.gov.uk/marine/irishsea_pilot/reports_comments.htm)

Whalley, C., Rowlatt, S., Bennett, M. & Lovell, D. 1999. Total arsenic in sediments from the Western North Sea and the Humber Estuary. Marine Pollution Bulletin 38 (5), 394-400.

Wilson, E., 1999. Achaeus cranchii. Cranch's spider crab. Marine Life Information Network: *Biology and Sensitivity Key Information Sub-programme* [on-line]. Plymouth: Marine Biological Association of the United Kingdom. [cited 14/02/2005]. Available from: http://www.marlin.ac.uk/species/Achaeuscranchii.htm

5. Appendices

Appendix 1 Particle Size Analysis results

site	Mean phi	Mean mm	1 std	skewness	kurtosis	Classification after Buchanan	Folk Triangles after JNCC	Folk Triangles after BGS
1	1.504	0.353	0.220	0.163	1.095	Very well sorted medium sand	Sand	Sand
2	1.496	0.355	0.369	-0.162	2.173	Well sorted medium sand	Sand	Slightly Gravelly Sand
3	0.276	0.826	1.869	-0.773	1.532	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
4	1.481	0.358	0.287	-0.042	1.502	Very well sorted medium sand	Sand	Sand
5	1.501	0.353	0.218	0.152	1.072	Very well sorted medium sand	Sand	Sand
6	0.015	0.990	2.065	-0.737	0.529	Very poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
7	1.381	0.384	0.499	-0.290	1.950	Well sorted medium sand	Sand	Slightly Gravelly Sand
8	0.132	0.913	1.875	-0.758	0.842	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
9	0.380	0.769	1.833	-0.758	2.480	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
10	0.909	0.533	1.233	-0.728	3.333	Poorly sorted coarse sand	Sand	Gravelly Sand
11	0.135	0.910	1.915	-0.637	0.842	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
12	0.549	0.683	1.706	-0.662	1.349	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
13	0.557	0.680	1.674	-0.661	1.416	Poorly sorted coarse sand	Sand	Gravelly Sand
14	-0.957	1.942	1.970	0.238	0.541	Poorly sorted very coarse sand	Sandy Gravel	Sandy Gravel
15	-0.366	1.289	1.916	-0.417	0.541	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
16	0.042	0.972	1.990	-0.758	0.557	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
17	0.820	0.566	1.362	-0.750	4.860	Poorly sorted coarse sand	Sand	Gravelly Sand
18	0.266	0.832	1.884	-0.464	0.821	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
19	-1.128	2.186	2.010	0.380	0.544	Very poorly sorted granule	Sandy Gravel	Sandy Gravel
20	0.212	0.864	1.931	-0.548	0.787	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
21	0.043	0.971	1.886	-0.624	0.673	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
22	0.043	0.971	1.970	-0.515	0.739	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
23	0.297	0.814	1.771	-0.755	0.812	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
24	0.068	0.954	1.929	-0.560	0.661	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
25	1.500	0.354	0.255	0.035	1.332	Very well sorted medium sand	Sand	Sand
26	0.362	0.778	1.738	-0.396	1.076	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
27	-0.053	1.037	2.006	-0.393	0.719	Very poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
28	-0.106	1.076	2.026	-0.544	0.572	Very poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
29	-0.693	1.617	1.987	-0.020	0.590	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
30	0.202	0.869	1.752	-0.544	0.817	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
31	-0.959	1.943	1.994	0.241	0.547	Poorly sorted very coarse sand	Sandy Gravel	Sandy Gravel
32	0.636	0.644	1.450	-0.748	1.628	Poorly sorted coarse sand	Sand	Gravelly Sand
33	1.335	0.396	0.974	-0.536	4.492	Moderately sorted medium sand	Sand	Gravelly Sand
34	0.221	0.858	1.941	-0.556	0.798	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
35	0.185	0.880	2.145	-0.431	0.747	Very poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
36	-0.103	1.074	1.992	-0.447	0.698	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
37	0.238	0.848	1.933	-0.626	0.840	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
38	-0.587	1.502	1.949	-0.190	0.584	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
39	0.159	0.896	1.753	-0.502	0.829	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
40	0.506	0.704	1.715	-0.603	0.953	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
41	-0.289	1.222	2.028	-0.343	0.553	Very poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
42	0.818	0.567	1.411	-0.654	1.472	Poorly sorted coarse sand	Sand	Gravelly Sand
43	-0.040	1.028	1.951	-0.589	0.625	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
44	0.235	0.849	1.764	-0.675	0.753	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
45	0.286	0.820	1.937	-0.585	0.786	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
46	0.115	0.924	1.967	-0.488	0.726	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
47	-0.287	1.220	1.985	-0.266	0.659	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel

site	Mean phi	Mean mm	1 std	skewness	kurtosis	Classification after Buchanan	Folk Triangles after JNCC	Folk Triangles after BGS
48	0.154	0.899	1.870	-0.554	0.742	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
49	-0.023	1.016	1.722	-0.596	0.696	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
50	-0.023	1.016	2.013	-0.520	0.589	Very poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
51	0.185	0.880	1.944	-0.688	0.649	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
52	0.336	0.792	1.908	-0.634	0.838	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
53	0.147	0.903	1.916	-0.574	0.771	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
54	-2.868	7.300	0.947	0.345	2.382	Moderately sorted pebble	Gravel	Gravel
55	-0.139	1.102	2.049	-0.459	0.598	Very poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
56	-0.605	1.521	1.945	-0.055	0.670	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
57	-0.130	1.094	2.024	-0.519	0.605	Very poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
58	0.230	0.853	1.873	-0.452	0.795	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
59	0.045	0.969	1.876	-0.557	0.709	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
60	0.411	0.752	1.795	-0.637	0.782	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
61	-0.840	1.790	2.117	0.205	0.511	Very poorly sorted very coarse sand	Sandy Gravel	Sandy Gravel
62	0.989	0.504	1.428	-0.611	2.294	Poorly sorted coarse sand	Sand	Gravelly Sand
63	0.193	0.875	1.974	-0.435	0.794	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
64	0.364	0.777	1.715	-0.690	0.815	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
65	-0.821	1.766	1.707	0.171	0.732	Poorly sorted very coarse sand	Sandy Gravel	Sandy Gravel
66	-0.136	1.099	1.991	-0.453	0.589	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
67	0.109	0.927	1.605	-0.439	0.941	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
68	0.215	0.862	1.862	-0.555	0.842	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
69	0.172	0.888	1.876	-0.239	0.820	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
70	0.647	0.639	1.511	-0.568	0.991	Poorly sorted coarse sand	Sand	Gravelly Sand
71	1.591	0.332	0.289	0.259	1.082	Very well sorted medium sand	Sand	Sand
72	-0.099	1.071	2.135	-0.353	0.610	Very poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
73	1.570	0.337	0.958	-0.283	5.165	Moderately sorted medium sand	Sand	Gravelly Sand
74	1.543	0.343	0.436	-0.047	1.859	Well sorted medium sand	Sand	Slightly Gravelly Sand
75	0.428	0.743	1.650	-0.702	0.806	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
76	-0.514	1.428	1.863	0.011	0.632	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
77	-0.430	1.347	1.880	-0.073	0.637	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
78	-0.120	1.087	1.977	-0.571	0.565	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
79	0.335	0.793	1.986	-0.587	0.749	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
80	0.330	0.796	1.950	-0.507	0.812	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
81	0.788	0.579	1.299	-0.566	1.058	Poorly sorted coarse sand	Sand	Gravelly Sand
82	1.598	0.330	0.893	-0.272	4.115	Moderately sorted medium sand	Sand	Gravelly Sand
83	1.662	0.316	0.326	0.203	0.801	Very well sorted medium sand	Sand	Slightly Gravelly Sand
86	1.515	0.350	0.294	-0.010	1.540	Very well sorted medium sand	Sand	Slightly Gravelly Sand
87	-0.719	1.646	1.984	0.097	0.586	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
88	-0.581	1.496	2.057	-0.099	0.536	Very poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
89	0.291	0.818	1.792	-0.787	1.833	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
90	0.094	0.937	2.071	-0.617	0.573	Very poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
92	0.947	0.519	1.130	-0.533	1.626	Poorly sorted coarse sand	Sand	Gravelly Sand
94	1.720	0.304	1.029	-0.491	3.371	Poorly sorted medium sand	Sand	Gravelly Sand
95	0.870	0.547	1.531	-0.703	3.375	Poorly sorted coarse sand	Sand	Gravelly Sand
96	-1.512	2.853	2.036	0.691	1.259	Very poorly sorted granule	Sandy Gravel	Sandy Gravel
97	0.588	0.665	1.774	-0.695	0.754	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
98	1.618	0.326	0.324	0.192	1.054	Very well sorted medium sand	Sand	Slightly Gravelly Sand
99	-0.987	1.982	1.973	0.285	0.604	Poorly sorted very coarse sand	Sandy Gravel	Sandy Gravel
100	0.613	0.654	1.145	-0.232	1.079	Poorly sorted coarse sand	Sand	Gravelly Sand
101	0.995	0.502	1.231	-0.540	0.811	Poorly sorted coarse sand	Sand	Gravelly Sand
102	0.659	0.633	1.842	-0.680	0.866	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
103	0.223	0.857	2.107	-0.717	0.541	Very poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
104	1.426	0.372	1.107	-0.509	3.834	Poorly sorted medium sand	Sand	Gravelly Sand
105	1.622	0.325	0.370	0.077	1.233	Well sorted medium sand	Sand	Sand

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106	0.464	0.725	1.884	-0.678	0.769	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
107	-0.663	1.584	2.058	0.128	0.544	Very poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
108	0.337	0.792	1.923	-0.753	1.411	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
109	1.423	0.373	0.354	-0.205	1.653	Well sorted medium sand	Sand	Sand
110	0.201	0.870	2.032	-0.432	0.765	Very poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
111	1.020	0.493	1.226	-0.521	1.701	Poorly sorted medium sand	Sand	Gravelly Sand
112	1.020	0.493	1.226	-0.521	1.701	Poorly sorted medium sand	Sand	Gravelly Sand
113	1.479	0.359	0.424	-0.166	2.369	Well sorted medium sand	Sand	Slightly Gravelly Sand
114	0.341	0.790	1.978	-0.584	0.720	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
115	1.426	0.372	1.016	-0.528	2.530	Poorly sorted medium sand	Sand	Gravelly Sand
116	0.810	0.570	1.637	-0.752	2.949	Poorly sorted coarse sand	Sand	Gravelly Sand
117	1.481	0.358	0.655	-0.320	4.022	Moderately well sorted medium sand	Sand	Gravelly Sand
118	0.311	0.806	2.042	-0.779	0.619	Very poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
119	1.480	0.359	0.348	-0.201	2.142	Very well sorted medium sand	Sand	Slightly Gravelly Sand
120	0.213	0.863	1.988	-0.720	0.614	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
121	1.390	0.382	0.889	-0.418	2.774	Moderately sorted medium sand	Sand	Gravelly Sand
122	1.476	0.360	0.414	-0.121	1.721	Well sorted medium sand	Sand	Sand
123	1.066	0.478	0.802	-0.487	1.282	Moderately sorted medium sand	Sand	Slightly Gravelly Sand
124	-1.047	2.066	2.064	0.345	0.690	Very poorly sorted granule	Sandy Gravel	Sandy Gravel
125	0.2674	0.8308	1.7482	-0.7042	0.7324	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
126	1.5186	0.3490	0.4749	-0.1839	2.5961	Well sorted medium sand	Sand	Gravelly Sand
127	0.1513	0.9004	1.7737	-0.6681	0.5926	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
128	1.6496	0.3187	0.7480	-0.2519	2.7218	Moderately sorted medium sand	Sand	Gravelly Sand
129	-0.7112	1.6372	1.9907	0.3553	0.5888	Poorly sorted very coarse sand	Sandy Gravel	Sandy Gravel
130	-0.1351	1.0982	2.1656	-0.6153	0.5793	Very poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
131	1.6715	0.3139	0.4261	0.0383	1.0912	Well sorted medium sand	Sand	Slightly Gravelly Sand
132	-0.8323	1.7806	1.9987	0.3649	0.6156	Poorly sorted very coarse sand	Sandy Gravel	Sandy Gravel
133	-0.6080	1.5242	1.9193	0.2192	0.6036	Poorly sorted very coarse sand	Sandy Gravel	Sandy Gravel
134	-0.0972	1.0697	1.6640	-0.4944	0.7953	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
135	0.8668	0.5484	0.5353	-0.0767	0.9961	Moderately well sorted coarse sand	Sand	Slightly Gravelly Sand
136	0.4308	0.7419	1.8043	-0.7209	1.6568	Poorly sorted coarse sand	Sand	Gravelly Sand
137	1.6395	0.3210	0.5962	-0.1860	2.0816	Moderately well sorted medium sand	Sand	Gravelly Sand
138	1.5724	0.3362	0.6253	-0.2015	3.1670	Moderately well sorted medium sand	Sand	Gravelly Sand
139	-0.3993	1.3189	1.5367	-0.1592	0.8600	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
140	0.1098	0.9267	1.8665	-0.4832	0.5711	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
141	-0.0043	1.0030	1.7004	-0.2559	0.6551	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
142	0.5082	0.7031	1.5291	-0.6786	1.4317	Poorly sorted coarse sand	Sand	Gravelly Sand
143	1.5320	0.3458	0.4654	-0.1054	1.4205	Well sorted medium sand	Sand	Slightly Gravelly Sand
144	1.7452	0.2983	0.5763	-0.1749	1.4592	Moderately well sorted medium sand	Sand	Slightly Gravelly Sand
145	0.4253	0.7447	1.9385	-0.6915	1.9492	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
146	1.6328	0.3225	1.0140	-0.2864	4.1353	Poorly sorted medium sand	Sand	Gravelly Sand
147	1.6953	0.3088	0.5448	-0.2297	1.6234	Moderately well sorted medium sand	Sand	Slightly Gravelly Sand
148	1.5482	0.3419	0.2990	0.1105	1.3075	Very well sorted medium sand	Sand	Sand
149	1.7434	0.2987	0.3743	0.0937	0.8410	Well sorted medium sand	Sand	Slightly Gravelly Sand
150	-0.0918	1.0657	2.0364	-0.5413	0.6452	Very poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
151	-0.4408	1.3573	1.9263	-0.0302	0.6184	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
152	-0.3075	1.2376	1.8467	0.0189	0.5721	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
153	0.1139	0.9241	1.8821	-0.3682	0.5950	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
154	0.4111	0.7520	1.7655	-0.6523	0.9428	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
155	0.2446	0.8440	1.9297	-0.5918	0.7528	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
156	1.4241	0.3727	0.5844	-0.2882	2.4373	Moderately well sorted medium sand	Sand	Slightly Gravelly Sand
157	1.4537	0.3651	0.4449	-0.1146	1.4834	Well sorted medium sand	Sand	Slightly Gravelly Sand
158	0.3661	0.7759	1.8834	-0.7208	2.2896	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
159	1.6584	0.3168	0.7103	-0.2443	2.6131	Moderately sorted medium sand	Sand	Gravelly Sand

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160	1.6071	0.3283	0.5985	-0.1913	2.0465	Moderately well sorted medium sand	Sand	Gravelly Sand
161	1.6389	0.3211	0.3882	0.0508	1.0614	Well sorted medium sand	Sand	Slightly Gravelly Sand
162	1.2778	0.4124	0.5803	-0.1339	1.1529	Moderately well sorted medium sand	Sand	Slightly Gravelly Sand
163	1.6363	0.3217	0.3696	0.1351	1.1020	Well sorted medium sand	Sand	Slightly Gravelly Sand
164	-0.6524	1.5718	2.2134	-0.2621	0.5268	Very poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
165	-0.1916	1.1421	1.7924	-0.2761	0.6481	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
166	0.1014	0.9322	1.6415	-0.4104	0.8429	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
167	0.1638	0.8927	1.8330	-0.3671	0.6054	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
168	0.3558	0.7814	1.6618	-0.4714	0.8422	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
169	1.2398	0.4234	0.8360	-0.4687	2.4722	Moderately sorted medium sand	Sand	Gravelly Sand
170	0.2578	0.8364	1.6917	-0.7157	0.5522	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
171	1.2969	0.4070	0.6608	-0.2436	1.4413	Moderately well sorted medium sand	Sand	Slightly Gravelly Sand
172	1.2491	0.4207	1.0884	-0.5759	4.1907	Poorly sorted medium sand	Sand	Gravelly Sand
173	1.1217	0.4596	1.1809	-0.6188	3.6739	Poorly sorted medium sand	Sand	Gravelly Sand
174	1.5664	0.3377	0.3307	0.1072	1.3628	Very well sorted medium sand	Sand	Slightly Gravelly Sand
175	1.6774	0.3127	0.6674	-0.2467	2.0718	Moderately well sorted medium sand	Sand	Gravelly Sand
176	1.5668	0.3375	0.8069	-0.2650	4.3068	Moderately sorted medium sand	Sand	Gravelly Sand
177	1.5920	0.3317	0.6045	-0.2218	1.8601	Moderately well sorted medium sand	Sand	Gravelly Sand
178	1.6034	0.3291	0.2931	0.2813	1.1162	Very well sorted medium sand	Sand	Sand
179	1.3679	0.3874	0.9519	-0.4742	3.6654	Moderately sorted medium sand	Sand	Gravelly Sand
180	0.4817	0.7161	1.2747	-0.4457	1.1281	Poorly sorted coarse sand	Sand	Gravelly Sand
181	-0.0672	1.0477	1.6386	-0.3221	0.7348	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
182	0.1319	0.9126	1.7129	-0.4169	0.7573	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
183	0.4596	0.7272	1.5889	-0.4861	0.8459	Poorly sorted coarse sand	Sand	Gravelly Sand
184	0.6957	0.6174	1.4342	-0.6356	1.9256	Poorly sorted coarse sand	Sand	Gravelly Sand
185	0.7955	0.5762	1.3505	-0.6629	2.8077	Poorly sorted coarse sand	Sand	Gravelly Sand
186	0.6749	0.6264	1.5552	-0.7077	2.9706	Poorly sorted coarse sand	Sand	Gravelly Sand
187	1.4474	0.3667	0.5722	-0.2059	1.7544	Moderately well sorted medium sand	Sand	Slightly Gravelly Sand
188	1.6987	0.3081	0.4012	-0.0615	1.0013	Well sorted medium sand	Sand	Slightly Gravelly Sand
189	1.6949	0.3089	0.3426	0.1743	0.7817	Very well sorted medium sand	Sand	Slightly Gravelly Sand
190	1.8023	0.2867	0.4340	-0.1162	1.0874	Well sorted medium sand	Sand	Gravelly Sand
191	1.6526	0.3181	0.4059	0.0406	1.1212	Well sorted medium sand	Sand	Slightly Gravelly Sand
192	1.6936	0.3091	0.5928	-0.2511	1.8793	Moderately well sorted medium sand	Sand	Slightly Gravelly Sand
193	1.6852	0.3110	0.9093	-0.3907	2.9543	Moderately sorted medium sand	Sand	Gravelly Sand
194	1.1549	0.4491	0.8875	-0.5013	1.9635	Moderately sorted medium sand	Sand	Gravelly Sand
195	0.6717	0.6278	1.2055	-0.6069	1.8401	Poorly sorted coarse sand	Sand	Gravelly Sand
196	0.7676	0.5874	0.9771	-0.4044	1.2449	Moderately sorted coarse sand	Sand	Gravelly Sand
197	-0.0208	1.0146	1.6993	-0.3999	0.6135	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
198	-0.0024	1.0016	1.7945	-0.3056	0.9823	Poorly sorted very coarse sand	Gravelly Sand	Gravelly Sand
199	0.9659	0.5119	1.0946	-0.3867	1.6672	Poorly sorted coarse sand	Sand	Gravelly Sand
200	0.0308	0.9789	2.2104	-0.7524	0.6249	Very poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
201	1.3724	0.3862	0.6924	-0.4259	2.9670	Moderately well sorted medium sand	Sand	Gravelly Sand
202	0.8647	0.5492	1.5684	-0.6916	2.9143	Poorly sorted coarse sand	Sand	Gravelly Sand
203	1.7418	0.2990	0.3371	-0.0139	0.7378	Very well sorted medium sand	Sand	Slightly Gravelly Sand
204	1.6249	0.3242	0.3544	0.1164	1.1100	Well sorted medium sand	Sand	Slightly Gravelly Sand
205	1.7301	0.3014	0.3556	0.0930	0.7962	Well sorted medium sand	Sand	Sand
206	1.6773	0.3127	0.3839	0.0368	0.9891	Well sorted medium sand	Sand	Slightly Gravelly Sand
207	1.6496	0.3187	0.3898	0.0301	1.0409	Well sorted medium sand	Sand	Sand
208	-1.3318	2.5172	2.3203	0.4894	0.4921	Very poorly sorted granule	Sandy Gravel	Sandy Gravel
209	1.5890	0.3324	0.7128	-0.3246	2.0200	Moderately sorted medium sand	Sand	Slightly Gravelly Sand
210	1.2912	0.4086	0.4169	-0.1166	1.0347	Well sorted medium sand	Sand	Sand
211	0.2739	0.8271	1.6855	-0.7460	0.9403	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
212	1.2958	0.4073	0.8777	-0.4701	2.5891	Moderately sorted medium sand	Sand	Gravelly Sand
213	1.0084	0.4971	0.8032	-0.2850	1.9219	Moderately sorted medium sand	Sand	Gravelly Sand

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214	0.1841	0.8802	1.6593	-0.5523	1.0912	Poorly sorted coarse sand	Sand	Gravelly Sand
215	0.0762	0.9485	1.7389	-0.4326	0.8433	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
216	0.7049	0.6135	1.3781	-0.6806	2.2005	Poorly sorted coarse sand	Sand	Gravelly Sand
217	1.1542	0.4493	0.6462	-0.2631	1.5718	Moderately well sorted medium sand	Sand	Gravelly Sand
218	1.3234	0.3996	0.6821	-0.4118	2.3366	Moderately well sorted medium sand	Sand	Gravelly Sand
219	1.5546	0.3404	0.7424	-0.2397	3.8710	Moderately sorted medium sand	Sand	Gravelly Sand
220	1.6675	0.3148	0.3221	0.2146	0.8047	Very well sorted medium sand	Sand	Sand
221	1.6663	0.3151	0.4462	0.0560	1.1682	Well sorted medium sand	Sand	Slightly Gravelly Sand
222	1.6796	0.3122	0.3407	0.2220	0.8128	Very well sorted medium sand	Sand	Sand
224	-1.3553	2.5585	2.2249	0.5057	0.5399	Very poorly sorted granule	Sandy Gravel	Sandy Gravel
225	0.5121	0.7012	1.7548	-0.7165	1.0333	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
226	1.4138	0.3753	0.4775	-0.2567	1.9873	Well sorted medium sand	Sand	Slightly Gravelly Sand
227	-0.1330	1.0966	2.1201	-0.7390	0.5740	Very poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
228	1.3619	0.3891	0.4568	-0.3135	1.8393	Well sorted medium sand	Sand	Slightly Gravelly Sand
229	0.2169	0.8604	1.6720	-0.6944	1.8891	Poorly sorted coarse sand	Sand	Gravelly Sand
230	0.9932	0.5024	0.7701	-0.2884	1.5605	Moderately sorted coarse sand	Sand	Gravelly Sand
231	0.0041	0.9972	1.9204	-0.5019	0.6330	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
232	-1.3590	2.5651	2.1277	0.4409	0.6204	Very poorly sorted granule	Sandy Gravel	Sandy Gravel
233	-0.7997	1.7407	2.0322	0.1853	0.6310	Very poorly sorted very coarse sand	Sandy Gravel	Sandy Gravel
235	0.2536	0.8388	1.8658	-0.7540	1.0845	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
236	1.6461	0.3195	0.4045	0.0293	1.1613	Well sorted medium sand	Sand	Gravelly Sand
237	1.7566	0.2959	0.3511	-0.0348	0.7798	Well sorted medium sand	Sand	Slightly Gravelly Sand
238	0.2586	0.8359	2.1163	-0.7622	0.9996	Very poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
239	1.6444	0.3199	0.3857	0.0463	1.0789	Well sorted medium sand	Sand	Slightly Gravelly Sand
240	1.4333	0.3703	0.9294	-0.4277	3.9516	Moderately sorted medium sand	Sand	Gravelly Sand
241	0.1712	0.8881	1.9353	-0.5730	0.5906	Poorly sorted coarse sand	Gravelly Sand	Sandy Gravel
242	-0.0419	1.0295	1.9549	-0.5747	0.5791	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
243	-0.9541	1.9373	2.0628	0.1766	0.6648	Very poorly sorted very coarse sand	Sandy Gravel	Sandy Gravel
244	-0.0526	1.0371	2.1158	-0.6571	0.5984	Very poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
245	1.0067	0.4977	1.3586	-0.6361	2.9599	Poorly sorted medium sand	Sand	Gravelly Sand
246	1.0265	0.4909	0.9750	-0.3915	2.0050	Moderately sorted medium sand	Sand	Gravelly Sand
247	-1.0641	2.0908	2.0913	0.1507	0.6229	Very poorly sorted granule	Sandy Gravel	Sandy Gravel
248	-1.3329	2.5190	2.1563	0.4275	0.5870	Very poorly sorted granule	Sandy Gravel	Sandy Gravel
249	-0.9988	1.9984	2.1370	0.1866	0.5624	Very poorly sorted very coarse sand	Sandy Gravel	Sandy Gravel
250	-0.0747	1.0531	1.9324	-0.3663	0.6159	Poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
251	1.3003	0.4060	0.4272	-0.2591	1.1972	Well sorted medium sand	Sand	Slightly Gravelly Sand
252	1.6951	0.3088	0.8500	-0.3498	3.1545	Moderately sorted medium sand	Sand	Gravelly Sand
253	1.2197	0.4294	1.0641	-0.4712	2.0864	Poorly sorted medium sand	Sand	Gravelly Sand
254	1.4590	0.3637	0.3837	-0.0559	1.3909	Well sorted medium sand	Sand	Slightly Gravelly Sand
255	1.5479	0.3420	0.4311	-0.0995	2.2137	Well sorted medium sand	Sand	Slightly Gravelly Sand
256	1.0250	0.4914	0.7817	-0.2473	1.3362	Moderately sorted medium sand	Sand	Gravelly Sand
257	1.4340	0.3701	0.5686	-0.3650	3.0795	Moderately well sorted medium sand	Sand	Gravelly Sand
258	-0.1418	1.1033	2.1884	-0.7699	0.5461	Very poorly sorted very coarse sand	Gravelly Sand	Sandy Gravel
259	1.5266	0.3471	0.6749	-0.2647	3.7531	Moderately well sorted medium sand	Sand	Gravelly Sand
260	-1.2029	2.3020	2.1137	0.4785	0.6043	Very poorly sorted granule	Sandy Gravel	Sandy Gravel
261	0.2727	0.8278	1.7339	-0.5416	0.7711	Poorly sorted coarse sand	Gravelly Sand	Gravelly Sand
C1	1.8600	0.2755	0.8359	-0.4254	2.4980	Moderately sorted medium sand	Sand	Slightly Gravelly Sand
C2	-1.4782	2.7859	1.2920	0.0965	0.7787	Poorly sorted granule	Sandy Gravel	Sandy Gravel
C3	-0.1181	1.0853	1.5344	-0.1582	0.8610	Poorly sorted very coarse sand	Gravelly Sand	Gravelly Sand
C4	1.8515	0.2771	0.4263	-0.2619	1.4648	Well sorted medium sand	Sand	Sand
C5	1.5000	0.3536	0.6250	-0.3264	0.8585	Moderately well sorted medium sand	Sand	Sand
C6	1.4434	0.3677	0.7035	-0.3435	1.5607	Moderately well sorted medium sand	Sand	Slightly Gravelly Sand
C7	1.9526	0.2583	0.2909	-0.1155	1.4235	Very well sorted medium sand	Sand	Sand
C8	1.7225	0.3030	0.5234	-0.4919	1.2319	Moderately well sorted medium sand	Sand	Sand

site	Mean phi	Mean mm	1 std	skewness	kurtosis	Classification after Buchanan	Folk Triangles after JNCC	Folk Triangles after BGS
C9	1.9628	0.2565	0.3510	-0.2036	1.9783	Well sorted medium sand	Sand	Sand
C10	1.8065	0.2859	0.3211	-0.2249	0.8124	Very well sorted medium sand	Sand	Sand
C11	1.6892	0.3101	0.6128	-0.5028	1.5309	Moderately well sorted medium sand	Sand	Slightly Gravelly Sand
C12	1.8781	0.2720	0.3007	-0.3205	1.2462	Very well sorted medium sand	Sand	Sand
C13	-2.2473	4.7478	0.9335	0.5642	0.8243	Moderately sorted pebble	Gravel	Sandy Gravel
C14	1.6790	0.3123	0.3960	-0.0776	1.0177	Well sorted medium sand	Sand	Sand
C15	1.7699	0.2932	0.3643	-0.2451	0.8945	Well sorted medium sand	Sand	Sand
C16	1.7484	0.2976	0.3302	-0.0663	0.7403	Very well sorted medium sand	Sand	Sand
C17	1.7691	0.2934	0.3997	-0.3140	1.0371	Well sorted medium sand	Sand	Sand
C18	1.7386	0.2997	0.3880	-0.2098	0.9586	Well sorted medium sand	Sand	Sand
C19	1.6294	0.3232	0.3637	0.0519	1.0760	Well sorted medium sand	Sand	Sand
C20	1.8600	0.2755	0.3079	-0.3107	1.1680	Very well sorted medium sand	Sand	Sand
C21	1.3998	0.3790	0.6282	-0.2294	0.9384	Moderately well sorted medium sand	Sand	Sand
C22	1.3603	0.3895	0.4278	-0.3074	1.7545	Well sorted medium sand	Sand	Sand
C24	-0.7717	1.7073	1.6601	0.0216	0.8422	Poorly sorted very coarse sand	Gravelly Sand	Gravelly Sand
C26	1.0877	0.4705	1.0581	-0.4711	1.2567	Poorly sorted medium sand	Sand	Slightly Gravelly Sand
C29	1.2830	0.4109	0.6453	-0.4127	1.7895	Moderately well sorted medium sand	Sand	Slightly Gravelly Sand
C32	1.4019	0.3784	0.7058	-0.3022	1.2717	Moderately well sorted medium sand	Sand	Slightly Gravelly Sand
C34	1.0500	0.4830	0.9816	-0.5315	1.5603	Moderately sorted medium sand	Sand	Slightly Gravelly Sand
C35	-0.0400	1.0281	1.5415	-0.2722	0.7569	Poorly sorted very coarse sand	Gravelly Sand	Gravelly Sand
C36	1.7346	0.3005	0.3874	-0.2073	0.9606	Well sorted medium sand	Sand	Sand
C38	1.5219	0.3482	0.4930	-0.1642	2.1526	Well sorted medium sand	Sand	Sand
C39	1.6885	0.3102	0.3379	0.0612	0.8003	Very well sorted medium sand	Sand	Sand
C40	1.6574	0.3170	0.5626	-0.3518	1.4265	Moderately well sorted medium sand	Sand	Slightly Gravelly Sand
C41	-0.8549	1.8086	1.5999	0.0382	0.8374	Poorly sorted very coarse sand	Gravelly Sand	Gravelly Sand
C43	1.7989	0.2874	0.4143	-0.4022	1.2134	Well sorted medium sand	Sand	Sand
C44	1.8859	0.2706	0.4783	-0.3773	2.3526	Well sorted medium sand	Sand	Sand
C45	2.1762	0.2213	0.8152	0.2094	2.7426	Moderately sorted fine sand	Sand	Sand
C46	-0.26	1.20	1.65	0.25	0.67	Poorly sorted very coarse sand	Sandy Gravel	Sandy Gravel
C47	1.76	0.29	0.34	-0.11	0.75	Very well sorted medium sand	Sand	Sand
C48	1.00	0.50	0.88	-0.43	1.04	Moderately sorted medium sand	Sand	Slightly Gravelly Sand

Appendix 2 Total Organic Carbon (%)

Site	TOC	Site	TOC	Site	TOC	Site	TOC	Site	TOC	Site	TOC	Site	TOC	Site	TOC
1	0.05	41	0.10	81	0.05	125	0.06	165	0.09	205	0.02	247	0.06	C32	0.31
2	0.04	42	0.07	82	0.04	126	0.19	166	0.07	206	0.02	248	0.09	C34	0.37
3	0.06	43	0.11	83	0.03	127	0.11	167	0.05	207	0.02	249	0.07	C35	0.32
4	0.03	44	0.11	86	0.13	128	0.11	168	0.08	208	0.05	250	0.06	C36	0.38
5	0.05	45	0.21	87	0.15	129	0.01	169	0.03	209	0.02	251	0.05	C38	0.42
6	0.09	46	0.20	88	0.08	130	0.07	170	0.03	210	0.02	252	0.02	C39	0.52
7	0.08	47	0.24	89	0.04	131	0.06	171	0.01	211	0.02	253	0.05	C40	0.65
8	0.09	48	0.24	90	0.20	132	0.10	172	0.01	212	0.01	254	0.04	C41	1.18
9	0.11	49	0.15	92	0.06	133	0.18	173	0.01	213	0.02	255	0.05	C43	0.75
10	0.07	50	0.15	94	0.02	134	0.06	174	0.01	214	0.03	256	0.05	C44	0.59
11	0.15	51	0.07	95	0.07	135	0.08	175	0.04	215	0.04	257	0.06	C45	0.98
12	0.14	52	0.09	96	0.14	136	0.05	176	0.04	216	0.06	258	0.08	C46	1.15
13	0.14	53	0.11	97	0.11	137	0.05	177	0.02	217	0.03	259	0.05	C47	0.51
14	0.07	54	1.42	98	0.03	138	0.07	178	0.02	218	0.01	260	0.09	C48	0.72
15	0.12	55	0.16	99	0.09	139	0.08	179	0.06	219	0.01	261	0.10		
16	0.08	56	0.32	100	0.06	140	0.09	180	0.04	220	0.01	C1	0.4		
17	0.17	57	0.25	101	0.06	141	0.07	181	0.10	221	0.01	C2	0.9		
18	0.22	58	0.14	102	0.09	142	0.05	182	0.08	222	0.02	C3	1.2		
19	0.09	59	0.13	103	0.11	143	0.01	183	0.05	224	0.09	C4	0.8		
20	0.27	60	0.11	104	0.11	144	0.08	184	0.07	225	0.06	C5	0.9		
21	0.18	61	0.07	105	0.04	145	0.06	185	0.02	226	0.05	C6	0.4		
22	0.34	62	0.09	106	0.11	146	0.08	186	0.05	227	0.08	C7	0.9		
23	0.17	63	0.24	107	0.11	147	0.06	187	0.02	228	0.06	C8	0.8		
24	0.06	64	0.18	108	0.07	148	0.07	188	0.02	229	0.06	C9	1		
25	0.06	65	0.06	109	0.03	149	0.06	189	0.01	230	0.06	C10	0.5		
26	0.18	66	0.06	110	0.17	150	0.11	190	0.07	231	0.13	C11	2.5		
27	0.30	67	0.08	111	0.04	151	0.07	191	0.02	232	0.16	C12	0.3		
28	0.07	68	0.02	112	0.05	152	0.07	192	0.05	233	0.06	C13	1		
29	0.23	69	0.57	113	0.02	153	0.07	193	0.03	235	0.06	C14	0.4		
30	0.30	70	0.06	114	0.21	154	0.06	194	0.12	236	0.05	C15	0.4		
31	0.18	71	0.03	115	0.08	155	0.12	195	0.02	237	0.05	C16	0.5		
32	0.08	72	0.79	116	0.02	156	0.04	196	0.09	238	0.04	C17	0.4		
33	0.09	73	0.04	117	0.07	157	0.01	197	0.04	239	0.06	C18	0.4		
34	0.21	74	0.07	118	0.07	158	0.03	198	0.06	240	0.04	C19	0.3		
35	0.33	75	0.04	119	0.08	159	0.01	199	0.02	241	0.06	C20	0.4		
36	0.23	76	0.09	120	0.07	160	0.01	200	0.02	242	0.09	C21	0.3		
37	0.19	77	0.03	121	0.06	161	0.01	201	0.02	243	0.05	C22	0.4		
38	0.23	78	0.05	122	0.07	162	0.02	202	0.02	244	0.07	C24	0.9		
39	0.29	79	0.16	123	0.06	163	0.03	203	0.02	245	0.05	C26	0.5		
40	0.17	80	0.21	124	0.25	164	0.10	204	0.02	246	0.07	C29	0.3		

Appendix 3 Chemical Sediment analysis: Heavy Metals (mg/kg)

Site No.	13	35	40	47	68	75	89	95	108	110	145	156	166	176	185	197	203	233	239	244	C7	C18	C20	C29	ISQG	PEL
Arsenic	5	3	3	5	4	3	3	8	8	ND	7	10	15	9	12	13	6	6	9	10	6	6	6	7	**7.24**	**41.6**
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**4.2**
Chronium	8	10	8	9	7	5	4	4	5	11	8	10	9	11	9	9	8	7	10	8	16	9	9	11	**52.3**	**160**
Copper	3	4	2	3	2	ND	1	2	2	5	2	1	3	1	2	2	3	3	2	2	1	1	ND	3	**18.7**	**108**
Lead	12	12	11	11	8	6	5	9	9	6	5	5	15	4	8	10	4	7	5	13	8	4	3	6	**30.2**	**112**
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.13**	**0.7**
Nickel	4	6	4	5	4	3	3	3	3	7	3	4	5	3	5	6	3	8	3	4	3	3	3	8	**Na**	**Na**
Zinc	28	34	25	29	21	15	13	19	20	24	17	19	28	15	26	30	15	29	20	30	29	14	14	27	**124**	**271**

Na: not available
ND: Non Detectable
ISQG (Interim Marine Sediment Quality Guieline)
PEL (Probable Effect Level)

Appendix 4 Chemical Sediment analysis: Organics (mg/kg)

Site Number:	13	35	40	47	68	75	89	95	108
PAH (mg/kg)									
Naphthalene	0.030	0.036	0.045	0.042	0.161	0.128	<0.001	<0.001	0.070
Acenaphthylene	0.004	0.005	0.004	0.004	0.060	0.014	<0.001	<0.001	0.006
Acenaphthene	0.003	0.004	0.005	0.006	0.018	0.009	<0.001	<0.001	0.006
Fluorene	0.005	0.006	0.006	0.007	0.047	0.017	<0.001	<0.001	0.008
Phenanthrene	0.025	0.033	0.031	0.036	0.175	0.052	<0.001	<0.001	0.038
Anthracene	0.009	0.009	0.008	0.010	0.052	0.012	<0.001	<0.001	0.010
Fluoranthene	0.030	0.049	0.039	0.042	0.129	0.026	<0.001	<0.001	0.032
Pyrene	0.025	0.041	0.033	0.033	0.091	0.021	<0.001	<0.001	0.030
Benz(a)anthracene	0.019	0.024	0.022	0.024	0.040	0.017	<0.001	<0.001	0.022
Chrysene	0.029	0.043	0.040	0.060	0.067	0.018	<0.001	<0.001	0.052
Benzo(b)fluoranthene	0.020	0.054	0.036	0.043	0.052	0.015	<0.001	<0.001	0.022
Benzo(k)fluoranthene	0.014	0.027	0.021	0.021	0.020	0.007	<0.001	<0.001	0.015
Benzo(a)pyrene	0.021	0.033	0.029	0.025	0.034	0.009	<0.001	<0.001	0.016
Indeno(123cd)pyrene	0.018	0.033	0.024	0.026	0.023	<0.001	<0.001	<0.001	0.014
Dibenzo(ah)anthracene	0.005	0.007	0.005	0.006	0.005	<0.001	<0.001	<0.001	0.002
Benzo(ghi)perylene	0.019	0.037	0.026	0.028	0.025	<0.001	<0.001	<0.001	0.015
PAH 16 Total	0.276	0.441	0.373	0.414	1.001	0.345	<0.001	<0.001	0.358
PCB 7 Congeners									
PCB congener 28	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
PCB congener 52	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
PCB congener 101	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
PCB congener 118	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
PCB congener 153	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
PCB congener 138	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
PCB congener 180	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total of 7 Congener PCBs	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
OCP									
Alpha-BHC (Lindane)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beta-BHC (Lindane)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Gamma-BHC (Lindane)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aldrin	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p,p'-DDE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dieldrin	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p,p'-TDE(DDD)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Endrin	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
o,p'-TDE(DDD)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
o,p'-DDT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p,p'-DDT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Site Number:	110	145	156	166	176	185	197	203
PAH								
Naphthalene	0.786	<0.001	0.016	<0.001	<0.001	<0.001	0.468	<0.001
Acenaphthylene	0.642	<0.001	0.005	<0.001	<0.001	<0.001	0.139	<0.001
Acenaphthene	0.426	<0.001	0.009	<0.001	<0.001	<0.001	0.218	<0.001

Site Number:	110	145	156	166	176	185	197	203
Fluorene	0.68	<0.001	0.011	<0.001	<0.001	<0.001	0.476	<0.001
Phenanthrene	1.956	<0.001	0.056	<0.001	<0.001	<0.001	1.743	<0.001
Anthracene	0.362	<0.001	0.021	<0.001	<0.001	<0.001	0.578	<0.001
Fluoranthene	0.404	<0.001	0.052	<0.001	<0.001	<0.001	1.558	<0.001
Pyrene	0.426	<0.001	0.043	<0.001	<0.001	<0.001	1.181	<0.001
Benz(a)anthracene	0.084	<0.001	0.022	<0.001	<0.001	<0.001	0.565	<0.001
Chrysene	0.133	<0.001	0.025	<0.001	<0.001	<0.001	0.586	<0.001
Benzo(b)fluoranthene	0.064	<0.001	0.024	<0.001	<0.001	<0.001	0.569	<0.001
Benzo(k)fluoranthene	0.035	<0.001	0.011	<0.001	<0.001	<0.001	0.239	<0.001
Benzo(a)pyrene	0.068	<0.001	0.027	<0.001	<0.001	<0.001	0.59	<0.001
Indeno(123cd)pyrene	0.029	<0.001	0.016	<0.001	<0.001	<0.001	0.225	<0.001
Dibenzo(ah)anthracene	0.008	<0.001	0.004	<0.001	<0.001	<0.001	0.056	<0.001
Benzo(ghi)perylene	0.036	<0.001	0.016	<0.001	<0.001	<0.001	0.224	<0.001
PAH 16 Total	6.14	<0.001	0.358	<0.001	<0.001	<0.001	9.415	<0.001
PCB 7 Congeners								
PCB congener 28	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
PCB congener 52	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
PCB congener 101	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
PCB congener 118	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
PCB congener 153	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
PCB congener 138	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
PCB congener 180	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total of 7 Congener PCBs	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
OCP								
Alpha-BHC (Lindane)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beta-BHC (Lindane)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Gamma-BHC (Lindane)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aldrin	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p,p'-DDE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dieldrin	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p,p'-TDE(DDD)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Endrin	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
o,p'-TDE(DDD)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
o,p'-DDT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p,p'-DDT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Site Number:	233	239	244	C7	C18	C20	C29	ISQG	PEL
PAH									
Naphthalene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0346	0.391
Acenaphthylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00587	0.128
Acenaphthene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00671	0.0889
Fluorene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0212	0.144
Phenanthrene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0867	0.544
Anthracene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0469	0.245
Fluoranthene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.113	1.494
Pyrene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.153	1.398
Benz(a)anthracene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0748	0.693
Chrysene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.108	0.846

Site Number:	233	239	244	C7	C18	C20	C29	ISQG	PEL
Benzo(b)fluoranthene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
Benzo(k)fluoranthene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
Benzo(a)pyrene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
Indeno(123cd)pyrene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
Dibenzo(ah)anthracene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00622	0.135
Benzo(ghi)perylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
PAH 16 Total	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
PCB 7 Congener									
PCB congener 28	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
PCB congener 52	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
PCB congener 101	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
PCB congener 118	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
PCB congener 153	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
PCB congener 138	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
PCB congener 180	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
Total of 7 Congener PCBs	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
OCP									
Alpha-BHC (Lindane)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
Hexachlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
Beta-BHC (Lindane)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
Gamma-BHC (Lindane)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
Aldrin	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
p,p'-DDE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
Dieldrin	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0007	0.0043
p,p'-TDE(DDD)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
Endrin	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	0.06
o,p'-TDE(DDD)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
o,p'-DDT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a
p,p'-DDT	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a	n/a

Appendix 5 Grab Survey Species List

Class	Family	Name	Authority
Porifera			
Calcarea	Leucosoleniidae	*Leucosolenia botryoides*	(Ellis & Solander, 1786)
		Sponge sp.	
		Sponge sp. 1	
Cnidaria			
Leptolida	Tubulariidae	*Tubularia indivisa*	Linnaeus, 1758
	Tubulariidae	*Tubularia larynx*	Ellis & Solander, 1786
	Tubulariidae	*Tubularia* sp.	Linnaeus, 1758
	Bougainvillidae	*Bougainvillia* sp.	Lesson, 1830
	Pandeiidae	*Leuckartiara octona*	(Fleming, 1823)
	Lovenellidae	*Calycella syringa*	(Linnaeus, 1758)
	Phialellidae	*Phialella quadrata*	(Forbes, 1848)
	Haleciidae	*Halecium halecinum*	(Linnaeus, 1758)
	Haleciidae	*Halecium* sp.	Oken, 1815
	Sertulariidae	*Abietinaria abietina*	(Linnaeus,1758)
	Sertulariidae	*Abietinaria* sp.	Kirchenpauer, 1884
	Sertulariidae	*Hydrallmania falcata*	(Linnaeus, 1758)
	Sertulariidae	*Sertularella* sp.	Gray, 1848
	Sertulariidae	*Sertularia cupressina*	(Linnaeus, 1758)
	Sertulariidae	*Sertularella gayi*	(Lamouroux, 1821)
	Plumulariidae	*Nemertesia antennina*	(Linnaeus,1758)
	Plumulariidae	*Nemertesia ramosa*	Lamouroux, 1816
	Plumulariidae	*Plumularia setacea*	(Linnaeus, 1758)
	Campanulariidae	Campanulariidae	Peron & Lesueur, 1810
	Campanulariidae	*Clytia hemisphaerica*	(Linnaeus, 1758)
	Campanulariidae	*Obelia* sp.	Peron & Lesueur, 1810
Octocorallia	Alcyoniidae	*Alcyonium digitatum*	Linnaeus, 1758
	Virgulariidae	*Virgularia mirabilis*	(O F Muller, 1776)
Hexacorallia	Cerianthidae	*Cerianthus lloydii*	Gosse, 1859
		Actinaria	
	Actiniidae	*Urticina eques*	(Gosse, 1860)
	Actiniidae	*Urticina felina*	(Linnaeus, 1761)
	Metridiidae	*Metridium senile*	(Linnaeus, 1761)
	Sagartiidae	Sagartiidae sp.	
	Sagartiidae	*Sagartia troglodytes*	(Price in Johnston, 1847)
	Hormathiidae	*Adamsia carciniopados*	(Otto, 1823)
	Edwardsiidae	*Edwardsia claparedii*	(Panceri, 1869)
	Edwardsiidae	*Edwardsia*sp.	de Quatrefages, 1841
Platyhelminthes			
Turbellaria		Turbellaria	
Nemertea			
	Tubulanidae	*Tubulanus annulatus*	(Montagu, 1804)
		Nemertea spp.	
Nematoda			
		Nematoda spp.	
Entoprocta			
	Loxosomatidae	*Loxosoma* sp.	Keferstein, 1862
	Pedicellinidae	*Pedicellina cernua*	(Pallas, 1774)
	Pedicellinidae	*Pedicellina hispida*	Ryland, 1965
	Pedicellinidae	*Pedicellina* sp.	M. Sars, 1835
Sipuncula			
Sipunculidea	Golfingiidae	*Golfingia elongata*	Keferstein, 1862

Class	Family	Name	Authority
	Golfingiidae	*Golfingia vulgaris*	(de Blainville, 1827)
	Golfingiidae	*Golfingia* sp.	Lankester, 1885
	Phascolionidae	*Phascolion strombus*	(Montagu, 1804)
Annelida			
Polychaeta	Pisionidae	*Pisione remota*	Southern, 1914
	Aphroditidae	*Aphrodita aculeata*	Linnaeus, 1758
	Polynoidae	*Acholoe squamosa*	(Chiaje, 1827)
	Polynoidae	*Adyte pellucida*	(Ehlers, 1864)
	Polynoidae	*Alentia gelatinosa*	(M Sars, 1835)
	Polynoidae	*Enipo elisabethae*	McIntosh, 1900
	Polynoidae	*Gattyana cirrosa*	(Pallas, 1766)
	Polynoidae	*Harmothoe fragilis*	Moore, 1910
	Polynoidae	*Harmothoe glabra*	(Malmgren, 1865)
	Polynoidae	*Harmothoe impar*	(Johnston, 1839)
	Polynoidae	*Harmothoe ljungmani*	(Malmgren, 1867)
	Polynoidae	*Harmothoe lunulata*	(Chiaje, 1841)
	Polynoidae	*Harmothoe marphysae*	McIntosh, 1876
	Polynoidae	*Harmothoe* sp.	Kinberg, 1855
	Polynoidae	*Lepidonotus squamatus*	(Linnaeus, 1758)
	Polynoidae	*Malmgrenia* sp.	McIntosh, 1874
	Polynoidae	Polynoidae sp.	
	Pholoidae	*Pholoe baltica*	Oersted, 1843
	Pholoidae	*Pholoe inornata*	Johnston, 1839
	Sigalionidae	*Sigalion mathildae*	Audouin & Milne-Edwards in Cuvier, 1830
	Sigalionidae	*Sthenelais boa*	(Johnston, 1833)
	Sigalionidae	*Sthenelais limicola*	(Ehlers, 1864)
	Phyllodocidae	*Anaitides groenlandica*	(Oersted, 1842)
	Phyllodocidae	*Anaitides lineata*	(Claparede, 1870)
	Phyllodocidae	*Anaitides longipes*	Kinberg, 1866
	Phyllodocidae	*Anaitides mucosa*	(Oersted, 1843)
	Phyllodocidae	*Anaitides rosea*	(Mcintosh, 1877)
	Phyllodocidae	*Eteone longa/flava* (agg.)	(Fabricius, 1780)
	Phyllodocidae	*Eulalia expusilla*	Pleijel, 1986
	Phyllodocidae	*Eulalia mustela*	Pleijel, 1987
	Phyllodocidae	*Eumida* sp.	Malmgren, 1865
	Phyllodocidae	*Eumida bahusiensis*	Bergstrom, 1914
	Phyllodocidae	*Eumida sanguinea*	(Oersted, 1843)
	Phyllodocidae	*Notophyllum foliosum*	(M Sars, 1835)
	Phyllodocidae	*Hesionura elongata*	(Southern, 1914)
	Phyllodocidae	*Hypereteone foliosa*	Quatrefages, 1865
	Phyllodocidae	*Mysta picta*	(Quatrefages, 1866)
	Phyllodocidae	*Phyllodoce groenlandica*	(Oersted, 1842)
	Phyllodocidae	*Phyllodoce laminosa*	Lamarck, 1818
	Phyllodocidae	*Pirakia punctifera*	(Grube, 1860)
	Phyllodocidae	*Pseudomystides limbata*	(Saint-Joseph, 1888)
	Glyceridae	*Glycera alba*	(O.F. Muller, 1788)
	Glyceridae	*Glycera lapidum*	Quatrefages, 1866
	Glyceridae	*Glycera oxycephala*	Ehlers, 1887
	Glyceridae	*Glycera rouxii*	Audouin & Milne-Edwards, 1833
	Glyceridae	*Glycera tridactyla*	Schmarda, 1861
	Glyceridae	*Glycera* sp.	Savigny, 1818
	Goniadidae	*Glycinde nordmanni*	(Malmgren, 1865)
	Goniadidae	*Goniada maculata*	Oersted, 1843
	Goniadidae	*Goniadella gracilis*	(Verrill, 1873)
	Sphaerodoridae	*Sphaerodoridium claparedii*	(Greeff, 1866)
	Sphaerodoridae	*Sphaerodorum gracilis*	(Rathke, 1843)

Class	Family	Name	Authority
	Hesionidae	*Kefersteinia cirrata*	(Keferstein, 1862)
	Hesionidae	*Nereimyra punctata*	(Muller, 1788)
	Hesionidae	*Podarke* sp.	Ehlers, 1864
	Hesionidae	*Podarke pallida*	Claparede, 1864
	Hesionidae	*Podarkeopsis capensis*	Day, 1963
	Hesionidae	*Syllidia armata*	Quatrefages, 1866
	Syllidae	*Ehlersia cornuta*	(Rathke, 1843)
	Syllidae	*Eusyllis blomstrandi*	Malmgren, 1867
	Syllidae	*Syllis* sp.	Savigny, 1818
	Syllidae	Syllidae sp.	
	Syllidae	*Syllis cornuta*	(Rathke, 1843)
	Syllidae	*Syllis gracilis*	Grube, 1840
	Syllidae	*Trypanosyllis zebra*	(Grube, 1860)
	Syllidae	*Odontosyllis* sp.	Claparede, 1863
	Syllidae	*Opisthodonta pterochaeta*	Southern, 1914
	Syllidae	*Syllides* sp. A	Oersted, 1845
	Syllidae	*Exogone hebes*	(Webster & Benedict, 1884)
	Syllidae	*Exogone naidina*	Oersted, 1845
	Syllidae	*Exogone verugera*	(Claparede, 1868)
	Syllidae	*Sphaerosyllis bulbosa*	Southern, 1914
	Syllidae	*Sphaerosyllis hystrix*	Claparede, 1863
	Syllidae	*Streptosyllis websteri*	Southern, 1914
	Syllidae	*Sphaerosyllis* sp	Claparede, 1863
	Syllidae	*Autolytus aurantiacus*	(Claparede, 1868)
	Syllidae	*Autolytus edwarsi*	Saint-Joseph 1886
	Syllidae	*Autolytus prolifera*	(O F Muller, 1788)
	Syllidae	*Procerastea nematodes*	Langerhans, 1884
	Nereididae	*Nereis longissima*	Johnston, 1840
	Nereididae	*Nereis pelagica*	Linnaeus, 1758
	Nereididae	*Nereis zonata*	Malmgren, 1867
	Nephtyidae	*Aglaophamus rubella*	(Michaelsen, 1897)
	Nephtyidae	*Nephtys assimilis*	Oersted, 1843
	Nephtyidae	*Nephtys caeca*	(Fabricius, 1780)
	Nephtyidae	*Nephtys cirrosa*	Ehlers, 1868
	Nephtyidae	*Nephtys hombergii*	Savigny, 1818
	Nephtyidae	*Nephtys kersivalensis*	McIntosh, 1908
	Nephtyidae	*Nephtys longosetosa*	Oersted, 1843
	Nephtyidae	*Nephtys* sp. (Juv.)	Cuvier, 1817
	Onuphidae	*Nothria conchylega*	(G O Sars, 1835)
	Eunicidae	*Eunice pennata*	O F Muller 1776
	Eunicidae	*Marphysa bellii*	(Audouin & Milne-Edwards, 1833)
	Eunicidae	*Nematonereis unicornis*	(Grube, 1840)
	Lumbrineridae	*Lumbrineris gracilis*	(Ehlers, 1868)
	Lumbrineridae	*Lumbrineris latreilli*	(Audouin & Milne Edwards, 1834)
	Lumbrineridae	*Lumbrineris* sp.	de Blainville, 1828
	Dorvilleidae	*Ophryotrocha puerilis*	McIntosh, 1885
	Dorvilleidae	*Parougia caeca*	Webster & Benedict, 1884
	Dorvilleidae	*Protodorvillea kefersteini*	(McIntosh, 1869)
	Dorvilleidae	*Schistomeringos neglecta*	Fauvel, 1923
	Dorvilleidae	*Schistomeringos rudolphi*	(Chiaje, 1828)
	Orbiniidae	*Orbinia sertulata*	(Savigny, 1820)
	Orbiniidae	*Scoloplos armiger*	(Muller, 1776)
	Paraonidae	*Aricidea cerrutii*	Laubier, 1966
	Paraonidae	*Aricidea minuta*	Southward, 1956
	Paraonidae	*Aricidea* sp.	Webster, 1879
	Paraonidae	*Cirrophorus branchiatus*	Ehlers, 1908

Class	Family	Name	Authority
	Paraonidae	*Paradoneis lyra*	(Southern, 1914)
	Poecilochaetidae	*Poecilochaetus serpens*	Allen, 1904
	Spionidae	*Aonides oxycephala*	(M.Sars, 1862)
	Spionidae	*Aonides paucibranchiata*	Southern, 1914
	Spionidae	*Laonice bahusiensis*	Soderstrom, 1920
	Spionidae	*Polydora caeca*	(Oersted, 1843)
	Spionidae	*Polydora caulleryi*	Mesnil, 1897
	Spionidae	*Polydora ciliata*	(Johnston, 1838)
	Spionidae	*Polydora cornuta*	Bosc, 1802
	Spionidae	*Polydora flava*	Claparede, 1870
	Spionidae	*Polydora* sp 1	Bosc, 1802
	Spionidae	*Polydora* sp.	Bosc, 1802
	Spionidae	*Pseudopolydora pulchra*	(Carazzi, 1895)
	Spionidae	*Scolelepis* (*Scolelepis*) *bonnieri*	(Mesnil, 1896)
	Spionidae	*Scolelepis foliosa*	(Andouin & Milne-Edwards, 1833)
	Spionidae	*Scolelepis* (*Scolelepis*) *squamata*	(Abildgaard, 1806)
	Spionidae	*Scolelepis tridentata*	(Southern, 1914)
	Spionidae	*Spio armata*	Thulin, 1957
	Spionidae	*Spio decorata*	Bobretzky, 1870
	Spionidae	*Spio filicornis*	(Muller, 1766)
	Spionidae	*Spio martinensis*	Mesnil, 1896
	Spionidae	Spionidae genus B	
	Spionidae	*Spiophanes bombyx*	(Claparede, 1870)
	Spionidae	*Spiophanes kroyeri*	Grube, 1860
	Magelonidae	*Magelona alleni*	Wilson, 1958
	Magelonidae	*Magelona filiformis*	Wilson, 1959
	Magelonidae	*Magelona johnstoni*	Fiege, Lichen & Mackie, 2000
	Magelonidae	*Magelona* sp	F Muller, 1858
	Chaetopteridae	*Chaetopterus variopedatus*	(Renier, 1804)
	Cirratulidae	*Aphelochaeta multibranchiis*	(Grube, 1863)
	Cirratulidae	*Aphelochaeta* sp.	
	Cirratulidae	*Caulleriella alata*	(Southern, 1914)
	Cirratulidae	*Caulleriella zetlandica*	(McIntosh, 1911)
	Cirratulidae	*Chaetozone setosa* type B	Malmgren, 1867
	Cirratulidae	*Cirratulus* sp.	Lamarck, 1801
	Cirratulidae	*Dodecaceria concharum*	Oersted, 1843
	Cirratulidae	*Tharyx killariensis*	(Southern, 1914)
	Flabelligeridae	*Flabelligera affinis*	M Sars 1829
	Capitellidae	*Mediomastus fragilis*	Rasmussen, 1973
	Capitellidae	*Notomastus latericeus*	M. Sars, 1851
	Maldanidae	*Clymenura borealis*	(Ardwidsson, 1906)
	Maldanidae	*Euclymene lumbricoides*	(Quatrefages, 1866)
	Maldanidae	*Heteroclymene robusta*	Ardwidsson, 1907
	Maldanidae	Maldanidae sp.	
	Maldanidae	*Micromaldane ornithochaeta*	Mesnil, 1897
	Opheliidae	*Ophelia bicornis*	Savigny, 1818
	Opheliidae	*Ophelia borealis*	Quatrefages, 1865
	Opheliidae	*Ophelina acuminata*	Oersted, 1843
	Opheliidae	*Travisia forbesi*	Johnston, 1840
	Scalibregmatidae	*Scalibregma inflatum*	Rathke, 1843
	Polygordiidae	*Polygordius appendiculatus*	Fraipont, 1887
	Polygordiidae	*Polygordius lacteus*	Schneider, 1868
	Polygordiidae	*Polygordius* sp.	Schneider, 1868
	Protodrilidae	*Protodrilus* sp.	Hatschek, 182
	Oweniidae	*Galathowenia* sp.	Kirkegaard, 1959

Class	Family	Name	Authority
	Oweniidae	*Owenia fusiformis*	Chiaje, 1842
	Pectinariidae	*Amphictene auricoma*	(O.F.Muller, 1776)
	Pectinariidae	*Lagis koreni*	Malmgren, 1866
	Sabellariidae	*Sabellaria spinulosa*	Leuckart, 1849
	Ampharetidae	*Ampharete lindstroemi*	(Malmgren, 1867)
	Trichobranchidae	*Terebellides stroemi*	Sars, 1835
	Terebellidae	*Amphitritides gracilis*	(Grube, 1860)
	Terebellidae	*Lanice conchilega*	(Pallas, 1766)
	Terebellidae	*Neoamphitrite affinis*	(Malmgren, 1866)
	Terebellidae	*Nicolea venustula*	(Montagu, 1819)
	Terebellidae	*Paramphitrite* sp.	Holthe, 1976
	Terebellidae	*Pista cristata*	(Muller, 1776)
	Terebellidae	*Lysilla loveni*	Malmgren, 1866
	Terebellidae	*Polycirrus medusa*	Grube, 1850
	Terebellidae	*Polycirrus sp.*	Grube, 1850
	Terebellidae	Terebellidae sp.	
	Terebellidae	Terebellidae sp. Juv.	
	Sabellidae	*Bispira voluticornis*	(Montagu, 1804)
	Sabellidae	*Chone fauveli*	McIntosh, 1916
	Sabellidae	*Demonax cambrensis*	Knight-Jones & Walker, 1985
	Sabellidae	*Euchone rubrocincta*	(M.Sars,1861)
	Sabellidae	*Sabella* sp.	Linnaeus, 1767
	Serpulidae	*Hydroides norvegica*	Gunnerus, 1768
	Serpulidae	*Pomatoceros lamarcki*	(Quatrefages, 1866)
	Serpulidae	*Pomatoceros triqueter*	(Linnaeus, 1758)
Oligochaeta	Tubificidae	*Tubificoides benedii*	Udekem, 1855
		Oligochaeta spp.	
Chelicerata			
Pycnogonida	Ammotheidae	*Achelia echinata*	Hodge, 1864
	Phoxichilidiidae	*Anoplodactylus petiolatus*	(Kroyer, 1844)
Crustacea			
Maxillopoda	Verrucidae	*Verruca stroemia*	(O F Muller, 1776)
	Balanidae	*Balanus balanus*	(Linnaeus, 1758)
	Balanidae	*Balanus crenatus*	Brugiere, 1789
Malacostraca	Nebaliidae	*Nebalia bipes*	(O.Fabricius, 1780)
Eumalacostraca	Mysidae	*Gastrosaccus sanctus*	(van Beneden, 1861)
	Mysidae	*Gastrosaccus spinifer*	(Goes, 1864)
	Mysidae	*Schistomysis spiritus*	(Norman, 1860)
	Calliopiidae	*Apherusa bispinosa*	(Bate, 1856)
	Oedicerotidae	*Perioculodes longimanus*	(Bate & Westwood, 1868)
	Oedicerotidae	*Pontocrates altamarinus*	(Bate & Westwood, 1852)
	Oedicerotidae	*Pontocrates arenarius*	(Bate, 1858)
	Oedicerotidae	*Synchelidium maculatum*	Stebbing, 1906
	Amphilocidae	*Amphilocus*sp.	Bate, 1862
	Amphilocidae	*Amphilocus neapolitanus*	Della Valle, 1893
	Leucothoidae	*Leucothoe incisa*	Robertson, 1892
	Stenothoidae	*Stenothoe marina*	(Bate, 1856)
	Urothoidae	*Urothoe elegans*	(Bate, 1856)
	Urothoidae	*Urothoe marina*	(Bate, 1857)
	Lysianassidae	*Acidostoma obesum*	(Bate & Westwood, 1861)
	Lysianassidae	*Hippomedon denticulatus*	(Bate,1857)
	Lysianassidae	*Lepidepecreum longicorne*	(Bate & Westwood, 1861)
	Lysianassidae	*Orchomene humilis*	Costa, 1853
	Lysianassidae	*Orchomene nanus*	(Kroyer, 1846)

Class	Family	Name	Authority
	Lysianassidae	*Tmetonyx similis*	(G O Sars, 1891)
	Argissidae	*Argissa hamatipes*	(Norman, 1869)
	Iphimediidae	*Iphimedia minuta*	(G O Sars, 1882)
	Dexaminidae	*Atylus falcatus*	Metzger, 1871
	Dexaminidae	*Atylus vedlomensis*	(Bate & Westwood, 1862)
	Ampeliscidae	*Ampelisca brevicornis*	(Costa, 1853)
	Ampeliscidae	*Ampelisca diadema*	(Costa, 1853)
	Ampeliscidae	*Ampelisca* sp.	Kroyer, 1842
	Ampeliscidae	*Ampelisca spinipes*	Boeck, 1861
	Ampeliscidae	*Ampelisca tenuicornis*	Liljeborg, 1855
	Ampeliscidae	*Ampelisca typica*	(Bate, 1856)
	Pontoporeiidae	*Bathyporeia elegans*	Watkin, 1938
	Pontoporeiidae	*Bathyporeia guilliamsoniana*	(Bate, 1856)
	Melphidippidae	*Megaluropus agilis*	Hoek, 1889
	Melitidae	*Abludomelita obtusata*	(Montagu, 1813)
	Melitidae	*Ceradocus semiserratus*	(Bate, 1862)
	Melitidae	*Cheirocratus intermedius*	G O Sars, 1894
	Melitidae	*Cheirocratus sundevallii*	(Rathke, 1843)
	Meiltidae	*Cheirocratus* sp.	Norman, 1867
	Melitidae	*Maera othonis*	(Milne-Edwards, 1830)
	Melitidae	*Maerella tenuimana*	(Bate, 1862)
	Isaeidae	*Gammaropsis maculata*	(Johnston, 1828)
	Isaeidae	*Gammaropsis* sp.	Lilljeborg, 1855
	Isaeidae	*Megamphopus cornutus*	Norman, 1869
	Isaeidae	*Photis longicaudata*	(Bate & Westwood, 1862)
	Ischyroceridae	*Ericthonius punctatus*	(Bate,1857)
	Ischyroceridae	*Jassa pusilla*	(G O Sars, 1894)
	Aoridae	*Aora gracilis*	(Bate, 1857)
	Aoridae	*Aora* sp.	Kroyer, 1845
	Aoridae	Aoridae sp.	
	Aoridae	*Lembos longipes*	(Lilljeborg, 1852)
	Aoridae	*Lembos*sp.	Bate, 1857
	Aoridae	*Leptocheirus hirsutimanus*	(Bate, 1862)
	Aoridae	*Leptocheirus pilosus*	Zaddach, 1844
	Corophiidae	*Corophium bonnellii*	(H Milne-Edwards, 1830)
	Corophiidae	*Corophium sextonae*	Crawford, 1937
	Corophiidae	*Unicola planipes*	Norman, 1867
	Caprellidae	*Pariambus typicus*	(Kroyer, 1844)
	Phtisicidae	*Phtisica marina*	Slabber, 1769
	Phtisicidae	*Pseudoprotella phasma*	(Montagu, 1804)
	Gnathiidae	*Gnathia oxyuraea*	(Lilljeborg, 1855)
	Gnathiidae	*Gnathia* sp.	Leach, 1814
	Anthuridae	*Anthura gracilis*	(Montagu, 1808)
	Cirolanidae	*Conilera cylindracea*	(Montagu, 1803)
	Sphaeromatidae	*Sphaeroma* sp.	Bosc, 1801
	Anarthruridae	*Pseudoparatanais batei*	(G O Sars, 1882)
	Anarthruridae	*Tanaopsis graciloides*	(Lilljeborg, 1864)
	Bodotriidae	*Bodotria scorpioides*	(Montagu, 1804)
	Bodotriidae	*Iphinoe trispinosa*	(Goodsir, 1843)
	Pseudocumatidae	*Pseudocuma similis*	G O Sars, 1900
	Diastylidae	*Diastylis bradyi*	Norman, 1879
	Diastylidae	*Diastylis laevis*	Norman, 1869
	Hippolytidae	*Hippolyte varians*	Leach, 1814
	Hippolytidae	*Hippolyte* sp.	Leach, 1814
	Hippolytidae	*Thoralus cranchii*	(Leach, 1817)
	Processidae	*Processa parva*	Holthuis, 1951

Class	Family	Name	Authority
	Pandalidae	*Pandalina brevirostris*	(Rathke, 1837)
	Crangonidae	*Crangon allmanni*	Kinahan, 1857
	Crangonidae	*Crangon crangon*	(Linnaeus, 1758)
	Crangonidae	*Pontophilus bispinosus neglecta*	
	Crangonidae	*Pontophilus trispinosus*	Hailstone, 1835
	Axiidae	Axiidae sp.	
	Callianassidae	*Callianassa subterranea*	(Montagu, 1808)
	Callianassidae	*Callianassidae* sp.	
	Upogebiidae	*Upogebia deltaura*	(Leach, 1815)
	Upogebiidae	*Upogebia stellata*	(Montagu, 1808)
	Paguridae	*Anapagurus laevis*	(Bell,1845)
	Paguridae	*Paguridae* sp.	
	Paguridae	*Pagurus bernhardus*	(Linnaeus, 1758)
	Paguridae	*Pagurus cuanensis*	Bell, 1845
	Galatheidae	*Galathea intermedia*	Lilljeborg, 1851
	Porcellanidae	*Pisidia longicornis*	(Linnaeus,1757)
	Leucosiidae	*Ebalia cranchii*	Leach, 1817
	Leucosiidae	*Ebalia tuberosa*	(Pennant, 1777)
	Leucosiidae	*Ebalia tumefacta*	(Montagu, 1808)
	Leucosiidae	*Ebalia*sp.	Leach, 1817
	Majidae	*Achaeus cranchii*	Leach, 1817
	Majidae	*Inachus dorsettensis*	(Pennant, 1777)
	Majidae	*Inachus*sp.	Weber, 1795
	Majidae	*Macropodia rostrata*	(Linnaeus, 1761)
	Majidae	*Eurynome aspera*	Leach, 1814
	Majidae	Majidae sp.	
	Corystidae	*Corystes cassivelaunus*	(Pennant, 1777)
	Thiidae	*Thia scutellata*	(Fabricius, 1793)
	Portunidae	*Liocarcinus holsatus*	(Fabricius, 1798)
	Portunidae	*Liocarcinus* sp. Juv.	Stimpson,1870
	Portunidae	*Liocarcinus depurator*	(Linnaeus, 1758)
	Portunidae	*Liocarcinus holsatus*	(Fabricius, 1798)
	Portunidae	*Liocarcinus marmoreus*	(Leach, 1814)
	Portunidae	*Liocarcinus pusillus*	(Leach, 1815)
	Portunidae	*Necora puber*	(Linnaeus, 1767)
	Xanthidae	*Pilumnus hirtellus*	(Linnaeus, 1761)
	Pinnotheridae	*Pinnotheres pisum*	(Linnaeus, 1767)
Mollusca			
Polyplacophora	Leptochitonidae	*Leptochiton asellus*	(Gmelin, 1791)
Gastropoda	Trochidae	*Gibbula* sp.	Risso, 1826
	Trochidae	*Calliostoma zizyphinum*	(Linnaeus, 1758)
	Naticidae	*Polinices pulchellus*	(Risso, 1826)
	Acteonidae	*Acteon tornatilis*	(Linnaeus, 1758)
	Cylichnidae	*Cylichna cylindracea*	(Pennant, 1777)
	Philinidae	*Philine aperta*	(Linnaeus, 1767)
		Nudibranchia spp.	
	Tritoniidae	*Tritonia* sp.	Cuvier, 1797
	Dotidae	*Dotos*p.	Oken, 1815
	Embletoniidae	*Embletonia pulchra*	(Alder & Hancock, 1844)
	Goniodordae	*Goniodoris*sp.	Forbes & Goodsir, 1839
	Onchidoridídae	Onchidoridídae sp.	
	Onchidoridídae	*Onchidoris depressa*	(Alder & Hancock, 1842)
	Polyceridae	Polyceridae	
	Eubranchidae	*Eubranchus* sp	Forbes, 1838
	Aeolididae	*Aeolidia*sp.	Cuvier, 1798

Class	Family	Name	Authority
Pelecypoda	Nuculidae	*Nucula nitidosa*	(Winckworth, 1930)
	Nuculidae	*Nucula* sp. (Juv.)	Lamarck, 1799
	Mytilidae	*Modiolus* sp. Juv.	Lamark, 1799
	Mytilidae	*Modiolus*sp.	Lamarck, 1799
	Mytilidae	*Modiolus modiolus*	(Linnaeus, 1758)
	Mytilidae	*Modiolula phaseolina*	(Phillipi, 1844)
	Mytilidae	*Modiolarca tumida*	(Hanley, 1843)
	Mytilidae	*Musculus*sp.	Roding, 1798
	Limidae	*Limaria hians*	(Gmelin, 1791)
	Pectenidae	*Aequipecten opercularis*	(Linnaeus, 1758)
	Pectenidae	*Chlamys varia*	(Linnaeus, 1758)
	Anomiidae	Anomiidae sp.	
	Anomiidae	*Pododesmus patelliformis*	(Linnaeus, 1761)
	Leptonidae	*Lepton squamosum*	(Montagu, 1803)
	Montacutidae	*Mysella bidentata*	(Montagu, 1803)
	Montacutidae	*Tellimya ferruginosa*	(Montagu, 1808)
	Montacutidae	*Epilepton clarkiae*	(Clark, 1852)
	Astartidae	*Goodallia triangularis*	(Montagu, 1803)
	Cardiidae	*Laevicardium crassum*	(Gmelin, 1791)
	Cardiidae	*Parvicardium ovale*	(G B Sowerby II, 1840)
	Mactridae	*Mactra stultorum*	(Linnaeus, 1758)
Pelecypoda	Mactridae	*Spisula elliptica*	(Brown, 1827)
	Mactridae	*Spisula* sp.	J E Gray, 1837
	Mactridae	*Spisula subtruncata*	(da Costa, 1778)
	Solenidae	Solenidae sp.	
	Pharidae	*Ensis arcuatus*	(Jeffreys, 1865)
	Pharidae	*Ensis ensis*	(Linnaeus, 1758)
	Pharidae	*Ensis* sp. Damaged	Schumacher, 1817
	Pharidae	*Pharus legumen*	(Linnaeus, 1758)
	Pharidae	*Phaxas pellucidus*	(Pennant, 1777)
	Tellinidae	*Arcopagia crassa*	(Pennant, 1777)
	Tellinidae	*Fabulina fabula*	(Gmelin, 1791)
	Tellinidae	*Moerella donacina*	(Linnaeus, 1758)
	Tellinidae	*Moerella pygmaea*	(Loven, 1846)
	Donacidae	*Donax vittatus*	(da Costa, 1778)
	Psammobiidae	*Gari fervensis*	(Gmelin, 1791)
	Psammobiidae	*Solecurtus scopula*	(Turton, 1822)
	Semelidae	*Abra alba*	(W Wood, 1802)
	Semelidae	*Abra nitida*	(O. F. Muller, 1776)
	Semelidae	*Abra prismatica*	(Montagu, 1808)
	Semelidae	*Abra* sp. Juv.	Leach.ms.Lamarck, 1818
	Veneridae	*Clausinella fasciata*	(da Costa, 1778)
	Veneridae	*Dosinia exoleta*	(Linnaeus, 1758)
	Veneridae	*Dosinia lupinus*	(Linnaeus, 1758)
	Veneridae	*Dosinia* sp.	Scopoli, 1777
	Veneridae	*Tapes rhomboides*	(Pennant, 1777)
	Veneridae	*Timoclea ovata*	(Pennant, 1777)
	Veneridae	Veneridae	
	Petricolidae	*Mysia undata*	(Pennant, 1777)
	Myidae	*Mya* sp. Juv.	Linnaeus, 1758
	Myidae	*Mya truncata*	Linnaeus, 1758
	Corbulidae	*Corbula gibba*	(Olivi, 1792)
	Hiatellidae	*Hiatella arctica*	(Linnaeus, 1767)
	Hiatellidae	*Saxicavella jeffreysi*	Winckworth, 1930
	Pholadidae	*Barnea candida*	(Linnaeus, 1758)

Class	Family	Name	Authority
	Thraciidae	*Thracia phaseolina*	(Lamarck, 1818)
	Thraciidae	*Thracia villosiuscula*	(Macgillivray, 1827)
	Lyonsiidae	*Lyonsia norwegica*	(Gmelin, 1791)
Bryozoa			
Stenolaemata	Crisiidae	*Crisia eburnea*	(Linnaeus, 1758)
	Crisiidae	*Crisia* sp.	Lamouroux, 1812
	Tubuliporidae	*Tubulipora*sp.	Lamarck, 1816
Gymnolaemata	Alcyonidiidae	*Alcyonidium diaphanum*	(Hudson, 1762)
	Alcyonidiidae	*Alcyonidium* sp.	Lamouroux, 1813
	Calloporidae	*Callopora dumerilii*	(Audouin, 1826)
	Bugulidae	*Bugula* sp.	Oken, 1815
	Candidae	*Tricellaria* sp.	Fleming, 1828
	Membraniporidae	*Conopeum reticulum*	(Linnaeus, 1767)
	Electridae	*Electra pilosa*	(Linnaeus,1767)
	Flustridae	*Flustra foliacea*	(Linnaeus, 1758)
	Cribrilinidae	*Cribrilina punctata*	(Hassall, 1841)
	Chorizoporidae	*Chorizopora brongniartii*	(Audouin, 1826)
	Escharellidae	*Escharella immersa*	(Fleming, 1828)
	Schizoporellidae	*Schizomavella linearis*	(Hassall, 1841)
	Celleporidae	*Celleporina hassallii*	(Johnston, 1847)
	Celleporidae	*Turbicellepora avicularis*	(Hincks, 1860)
Phoronida			
	Phoronidae	*Phoronis muelleri*	Selys-Longchamps, 1903
	Phoronidae	*Phoronis ovalis*	Wright, 1856
	Phoronidae	*Phoronis* sp.	Wright, 1856
Echinodermata			
Asteroidea	Astropectinidae	*Astropecten irregularis*	(Pennant, 1777)
	Asteriidae	*Asterias rubens*	Linnaeus, 1758
Echinoidea	Fibulariidae	*Echinocyamus pusillus*	(O.F.Muller,1776)
	Echinidae	Echinidae sp.	
	Echinidae	*Psammechinus miliaris*	(Gmelin, 1778)
	Spatangidae	*Echinocardium cordatum*	(Pennant, 1777)
Holothurioidea	Synaptidae	*Leptosynapta bergensis*	(Ostergren, 1905)
	Synaptidae	*Leptosynapta inhaerens*	(O.F.Muller, 1776)
	Synaptidae	*Leptosynapta* sp.	Verrill, 1867-71
	Cucumariidae	*Pseudothyone raphanus*	Duben & Koren, 1844
	Cucumariidae	*Thyone fusus*	O.F.Muller, 1776
Ophiuroidea	Ophiotrichidae	*Ophiothrix fragilis*	(Abildgaard, 1789)
	Amphiuridae	*Amphipholis squamata*	(Chiaje, 1828)
	Amphiuridae	*Amphiura brachiata*	(Montagu, 1804)
	Amphiuridae	*Amphiura filiformis*	(O.F.Muller, 1776)
	Amphiuridae	*Amphiura* sp. Juv.	Forbes, 1843
	Ophiuridae	Ophiuridae sp. Juv.	
	Ophiuridae	*Ophiura affinis*	Lutken, 1859
	Ophiuridae	*Ophiura albida*	Forbes, 1839
	Ophiuridae	*Ophiura ophiura*	(Linnaeus, 1758)
	Ophiuridae	*Ophiura* sp. Juv.	
Chordata			
Ascidiacea	Cionidae	*Ciona intestinalis*	(Linnaeus, 1767)
	Ascidiidae	*Ascidiella aspersa*	O F Müller, 1776
	Ascidiidae	*Ascidiella*sp.	Roule, 1884
	Ascidiidae	*Acidia conchilega*	O F Müller, 1776
	Ascidiidae	*Ascidia* sp.	Linnaeus, 1767
	Styelidae	*Polycarpa fibrosa*	(Stimpson, 1852)
	Styelidae	*Dendrodoa grossularia*	(van Beneden, 1846)

Class	Family	Name	Authority
	Molgulidae	*Molgula* sp.	Forbes & Hanley, 1848
	Branchiosromidae	*Branchiostoma lanceolatum*	(Pallas)
Osteichthyes	Gobiesocidae	*Diplecogaster bimacuata*	(Bonnaterre, 1788)
	Ammodytidae	*Ammodytes tobianus*	Linnaeus, 1758
	Ammodytidae	*Hyperoplus lanceolatus*	(Le Sauvage, 1824)

Appendix 6 Grab Survey Raw Data

Site Number	1	2	3	4	5	6	7	8	9	10	11	12	13.1	13.2	14	15	16	17	18	19	20	21	22.1	22.2	23	24	25	26	27	28	29	30	31	32	33	34
Abietinaria abietina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abietinaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abludomelita obtusata	0	0	0	0	0	0	0	0	0	0	0	0	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Abra alba	0	0	0	1	0	0	0	0	1	0	1	0	0	0	4	9	0	0	0	0	0	1	2	0	1	0	0	1	0	0	0	1	1	0	0	1
Abra nitida	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra prismatica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achaeus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Achelia echinata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acholoe squamosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acidostoma obesum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Acteon tornatilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Actinaria	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	1	1	1	0	0	0	1	0	0	0	0	0	6	0
Adamsia carciniopados	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adyte pellucida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Aeolidia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aequipecten opercularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aglaophamus rubella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium diaphanum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Alcyonidium sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	1	0
Alcyonium digitatum	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	0	1	0	1	0	0	0	1	1	1	0	0	0	0	1
Alentia gelatinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes tobianus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca brevicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	1	2	3	4	5	6	7	8	9	10	11	12	13.1	13.2	14	15	16	17	18	19	20	21	22.1	22.2	23	24	25	26	27	28	29	30	31	32	33	34
Ampelisca diadema	0	0	0	0	0	0	0	0	0	0	3	2	0	1	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	2	1	0	0	0	0	0
Ampelisca sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
Ampelisca spinipes	0	0	0	0	0	0	0	5	3	0	4	11	1	11	0	3	17	0	3	2	9	0	1	1	0	0	0	0	7	4	1	2	7	1	6	2
Ampelisca tenuicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Ampelisca typica	1	0	0	0	0	0	0	0	2	0	0	1	2	0	3	3	1	0	0	0	2	1	0	0	1	0	0	0	0	4	0	0	3	0	0	0
Ampharete lindstroemi	1	1	0	1	0	1	3	3	0	0	7	10	2	13	94	132	38	0	25	1	53	1	29	13	0	0	0	13	29	38	11	51	38	0	19	3
Amphictene auricoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
Amphilocus neapolitanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipholis squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	5	0	0	7	2	6	0	0	0	0	2	0	1	0	0	0	0
Amphitritides gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura brachiata	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	1
Amphiura filiformis	0	0	0	0	0	2	0	0	0	0	0	4	3	1	0	0	0	0	0	0	3	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura sp. Juv.	1	2	0	1	2	0	0	0	1	0	1	1	1	1	0	0	1	0	1	0	0	0	1	0	0	2	2	0	3	0	4	1	0	0	7	0
Anaitides lineata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides longipes	0	0	0	0	0	0	0	1	0	0	0	2	0	0	1	0	2	0	0	0	0	0	0	0	1	0	0	0	0	2	0	2	1	0	1	0
Anaitides mucosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides rosea	1	5	0	1	1	0	0	1	1	0	3	1	3	3	0	0	1	0	1	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	4	1
Anapagurus laevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Anomiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Anoplodactylus petiolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anthura gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Aonides oxycephala	0	0	0	0	0	1	0	1	0	0	0	5	0	1	0	0	0	0	3	0	8	0	4	7	2	0	0	0	3	10	2	2	0	0	0	0
Aonides paucibranchiata	1	0	2	1	0	0	4	2	1	5	11	1	2	2	51	0	5	0	1	2	2	12	3	2	28	1	0	4	1	2	0	12	30	3	1	7
Aora gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aora sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aoridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphelochaeta multibranchiis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	1	2	3	4	5	6	7	8	9	10	11	12	13.1	13.2	14	15	16	17	18	19	20	21	22.1	22.2	23	24	25	26	27	28	29	30	31	32	33	34
Aphelochaeta sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apherusa bispinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphrodita aculeata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arcopagia crassa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Argissa hamatipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aricidea cerrutii	1	0	2	3	1	0	0	0	0	0	4	1	0	0	2	6	1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0
Aricidea minuta	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	5	0	0	0	0	0	0	0	0	0
Aricidea sp.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia conchilega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidiella aspersa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ascidiella*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asterias rubens	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Astropecten irregularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus falcatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus swammerdami	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus vedlomensis	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0
Autolytus aurantiacus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Autolytus edwarsi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Autolytus prolifera	0	0	0	0	0	0	0	0	0	8	0	1	0	2	0	3	6	0	0	0	0	0	1	0	1	0	0	0	0	1	0	4	0	0	4	0
Axiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus balanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Balanus crenatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Barnea candida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Bathyporeia elegans	0	0	1	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	1	1	0
Bathyporeia guilliamsoniana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bispira voluticornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	1	2	3	4	5	6	7	8	9	10	11	12	13.1	13.2	14	15	16	17	18	19	20	21	22.1	22.2	23	24	25	26	27	28	29	30	31	32	33	34
Bodotria scorpioides	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Bougainvillia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Branchiostoma lanceolatum	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Bugula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callianassa subterranea	0	0	0	0	0	0	0	1	2	0	0	1	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callianassidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calliostoma zizyphinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callopora dumerilii	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calycella syringa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Campanulariidae	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caulleriella alata	3	0	0	0	2	2	0	1	4	1	0	3	2	6	6	13	4	0	3	1	5	10	2	1	9	1	1	12	5	10	6	6	3	0	19	1
Caulleriella zetlandica	1	0	0	0	0	0	0	1	1	1	1	0	0	2	0	3	2	0	0	0	0	2	0	0	1	1	0	1	0	0	0	0	1	0	1	0
Celleporina hassallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ceradocus semiserratus	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerianthus lloydii	0	0	0	0	0	0	0	1	0	0	0	11	8	5	1	2	0	0	54	0	32	0	17	11	1	0	0	1	50	5	4	2	2	0	0	1
Chaetopterus variopedatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0
Chaetozone setosa type B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus intermedius	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
Cheirocratus sp.	0	1	0	0	0	1	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0
Cheirocratus sundevallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlamys varia	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	4	0	0	0	0	1	0	0	0	3	0	0	0	0	0	0	0	1	0	1	0
Chone duneri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chone fauveli	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Chorizopora brongniartii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ciona intestinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirratulus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirrophorus branchiatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

Site Number	1	2	3	4	5	6	7	8	9	10	11	12	13.1	13.2	14	15	16	17	18	19	20	21	22.1	22.2	23	24	25	26	27	28	29	30	31	32	33	34
Clausinella fasciata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clymenura borealis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clytia hemisphaerica	1	1	0	1	0	1	0	0	1	0	0	0	1	1	0	1	1	0	0	1	0	1	0	0	1	0	0	0	0	1	0	1	1	0	1	1
Conilera cylindracea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conopeum reticulum	0	0	1	1	1	1	0	0	1	0	0	0	0	0	1	1	1	0	0	0	1	0	1	1	1	1	1	0	0	0	0	1	1	1	1	0
Corbula gibba	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
Corophium bonnellii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corophium sextonae	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	26	0	0	1	0	1	0	3	5	0	0	0
Corystes cassivelaunus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crangon allmanni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crangon crangon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cribrilina punctata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0
Crisia eburnea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crisia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cylichna cylindracea	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demonax cambrensis	0	0	0	0	0	0	0	2	0	0	0	0	0	1	3	1	7	0	1	0	6	0	1	1	1	0	0	1	1	2	0	2	6	0	1	1
Dendrodoa grossularia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0
Diastylis bradyi	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0
Diastylis laevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Diplecogaster bimaculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dodecaceria concharum	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Donax vittatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia exoleta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia lupinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	1	1	0	0	0
Dosinia sp.	1	1	2	0	0	0	3	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	2	0
*Dotos*p.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia cranchii	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tuberosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	1	2	3	4	5	6	7	8	9	10	11	12	13.1	13.2	14	15	16	17	18	19	20	21	22.1	22.2	23	24	25	26	27	28	29	30	31	32	33	34
Ebalia tumefacta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ebalia*sp.	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Echinidae sp.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	3	0	0	1	0	1	0	0	0	0	1	0	1	1	0	0	0
Echinocardium cordatum	7	4	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Echinocyamus pusillus	3	0	0	0	0	0	1	0	1	0	3	1	0	1	0	5	1	0	0	0	0	1	0	0	3	0	0	0	0	0	0	4	2	0	0	0
Edwardsia claparedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Edwardsia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ehlersia cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electra pilosa	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	1	0	0	1	0	0	0	0	1	0	1	0
Embletonia pulchra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Enipo elisabethae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis arcuatus	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Ensis ensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis sp. Damaged	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Epilepton clarkiae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ericthonius punctatus	0	0	0	0	0	0	0	0	0	9	0	0	2	0	0	3	0	0	0	8	0	3	0	0	18	0	0	0	0	0	0	0	10	0	0	0
Escharella immersa	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0
Eteone longa/flava (agg.)	1	1	1	0	0	0	0	0	2	0	0	1	0	3	3	1	1	4	3	0	1	0	0	3	0	0	2	3	1	1	1	0	0	0	2	1
Eubranchus sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euchone rubrocincta	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euclymene lumbricoides	0	0	0	0	0	0	0	0	0	1	1	2	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Eulalia expusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eulalia mustela	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0
Eumida bahusiensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Eumida sanguinea	0	0	0	0	0	1	0	1	0	2	0	2	0	2	4	8	0	0	0	4	1	0	24	2	0	0	0	6	5	12	4	27	9	0	0	0
Eumida sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Eunice pennata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	1	2	3	4	5	6	7	8	9	10	11	12	13.1	13.2	14	15	16	17	18	19	20	21	22.1	22.2	23	24	25	26	27	28	29	30	31	32	33	34
Eurynome aspera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
Eusyllis blomstrandi	0	0	0	0	0	0	0	0	4	2	0	0	0	0	0	2	2	0	0	1	1	2	0	0	0	0	0	0	0	0	0	1	1	0	1	0
Exogone hebes	0	0	0	0	0	0	3	0	0	0	3	0	0	0	3	1	0	0	1	1	0	0	0	0	0	0	0	5	0	0	0	0	1	2	0	0
Exogone naidina	13	2	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exogone verugera	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0
Fabulina fabula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flabelligera affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0
Flustra foliacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Folliculinidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathea intermedia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0
Galathowenia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Gammaropsis maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gammaropsis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gari fervensis	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
Gastrosaccus sanctus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastrosaccus spinifer	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0
Gattyana cirrosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	1	0	0	0	0	1	4	3	4	0	0	0	1	3	0	2	2	0	3	0
Gibbula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera alba	0	0	0	0	0	0	0	0	0	0	0	5	3	1	0	0	1	0	1	0	4	0	0	1	0	0	0	0	4	1	0	2	0	0	0	0
Glycera lapidum	0	0	0	1	0	1	1	2	2	6	2	0	2	1	25	11	6	0	0	0	2	3	3	3	12	0	1	2	1	2	0	5	3	5	2	1
Glycera oxycephala	0	2	2	1	0	1	2	0	0	2	0	0	0	0	3	1	6	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	1	2	0	1
Glycera rouxii	3	0	0	1	2	0	0	1	2	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Glycera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera tridactyla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycinde nordmanni	1	0	2	0	0	0	0	5	1	0	3	0	4	3	6	5	7	0	2	2	2	6	1	1	7	0	0	0	1	2	2	2	3	0	3	1
Gnathia oxyuraea	0	0	0	0	0	3	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	4	0	0	0	0
Gnathia sp.	0	1	0	0	0	0	0	1	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	1	2	3	4	5	6	7	8	9	10	11	12	13.1	13.2	14	15	16	17	18	19	20	21	22.1	22.2	23	24	25	26	27	28	29	30	31	32	33	34
Golfingia elongata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
Golfingia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	3	0	0	0	0
Golfingia vulgaris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Goniada maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goniadella gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2	0	0	2	0	0	0	2	3	0	0	0
*Goniodoris*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goodallia triangularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium halecinum	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe fragilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe glabra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe impar	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe ljungmani	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe sp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hesionura elongata	0	0	0	0	0	0	18	0	0	1	0	0	0	0	7	0	0	11	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0
Heteroclymene robusta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hiatella arctica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Hippolyte sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte varians	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippomedon denticulatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Hydrallmania falcata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydroides norvegica	0	0	0	0	0	0	0	2	0	0	0	2	5	3	27	27	1	0	0	0	5	0	6	5	0	0	0	3	2	12	2	16	7	0	0	2
Hypereteone foliosa	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperoplus lanceolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inachus dorsettensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Inachus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphimedia minuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphinoe trispinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	1	2	3	4	5	6	7	8	9	10	11	12	13.1	13.2	14	15	16	17	18	19	20	21	22.1	22.2	23	24	25	26	27	28	29	30	31	32	33	34
Jassa pusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kefersteinia cirrata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laevicardium crassum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Lagis koreni	0	0	0	0	1	1	0	2	5	0	0	5	5	8	3	4	9	0	2	1	2	1	1	2	1	1	1	3	0	1	2	1	2	0	13	1
Lanice conchilega	1	0	0	0	0	0	0	2	1	1	1	0	2	1	0	2	5	0	0	0	3	0	0	0	2	0	0	1	0	1	1	1	0	0	2	0
Laonice bahusiensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	5	6	0	0	0
Lembos longipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Lembos*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
Lepidepecreum longicorne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidonotus squamatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	1	1	0	3	0	0	0	1	2	2	1	1	0	0	0
Leptocheirus hirsutimanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptocheirus pilosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Leptochiton asellus	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	3	0	2	1	0	0	0	0	2	3	0	0	1	0	0	0	0
Lepton squamosum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta bergensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta inhaerens	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	1	3	0	0	0
Leptosynapta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leuckartiara octona	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Leucosolenia botryoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucosolenia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucothoe incisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limaria hians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus depurator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus holsatus	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0
Liocarcinus marmoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus pusillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	1	2	3	4	5	6	7	8	9	10	11	12	13.1	13.2	14	15	16	17	18	19	20	21	22.1	22.2	23	24	25	26	27	28	29	30	31	32	33	34
Liomesis ovum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loxosoma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lumbrineris gracilis	1	0	0	2	4	7	1	3	2	3	7	7	13	14	0	2	1	0	37	0	14	11	26	34	8	0	1	4	16	16	15	24	1	0	0	2
Lumbrineris latreilli	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Lumbrineris sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Lyonsia norwegica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Lysilla loveni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia rostrata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mactra stultorum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maera othonis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maerella tenuimana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona alleni	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	3	0	0	0	1	0	0	2	2	3	0	2	0	0	0	0
Magelona filiformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona johnstoni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Majidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maldanidae sp.	0	0	0	0	0	0	0	1	0	0	3	0	0	1	0	6	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	2	8	0	0	0
Malmgrenia lunulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malmgrenia sp.	0	0	0	0	0	0	0	0	0	0	1	2	1	4	0	2	0	0	2	3	1	1	3	0	5	0	0	3	6	1	1	12	5	0	1	1
Marphysa bellii	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0
Mediomastus fragilis	4	2	4	0	3	3	3	0	5	6	3	4	23	20	4	6	1	1	14	0	10	9	8	3	10	0	0	18	10	33	2	19	7	4	4	5
Megaluropus agilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Megamphopus cornutus	0	0	0	0	0	0	0	0	1	0	0	0	1	2	1	1	2	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
Metridium senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Micromaldane ornithochaeta	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microphthalmus similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microprotopus maculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolarca tumida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolula phaseolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Modiolus modiolus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	1	2	3	4	5	6	7	8	9	10	11	12	13.1	13.2	14	15	16	17	18	19	20	21	22.1	22.2	23	24	25	26	27	28	29	30	31	32	33	34
Modiolus sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
Moerella donacina	0	0	0	0	0	0	0	0	0	0	2	0	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Moerella pygmaea	3	1	4	0	4	0	10	0	0	8	0	0	0	0	0	0	1	2	0	1	1	1	1	0	2	3	0	0	0	0	0	0	0	9	1	0
Molgula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Musculus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Mya sp. Juv.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
Mya truncata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysella bidentata	2	0	0	0	0	1	0	2	2	0	4	27	2	7	0	12	5	1	9	7	0	1	6	9	8	0	1	0	6	2	0	4	3	0	60	1
Mysia undata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysta picta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Nebalia bipes	0	0	0	2	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Necora puber	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda spp.	1	0	0	0	0	0	2	0	0	11	0	0	0	0	0	3	1	1	0	1	1	35	0	0	0	0	0	0	0	0	1	0	0	3	0	1
Nematonereis unicornis	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertea spp.	6	5	9	1	12	2	8	7	13	3	18	7	7	26	23	13	19	2	11	4	6	5	21	13	14	3	2	1	6	15	3	15	7	1	0	10
Nemertesia antennina	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertesia ramosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neoamphitrite affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0
Nephtys assimilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys caeca	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Nephtys cirrosa	5	8	2	5	8	0	8	0	5	2	0	0	0	0	1	0	3	19	0	0	1	0	6	1	0	14	12	0	0	7	0	0	0	5	5	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys kersivalensis	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
Nephtys longosetosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys sp. (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereimyra punctata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis longissima	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	1	0	0	0	0	1	0	1	0	0	0	2	1	0	0	2	1	1	0	0
Nereis pelagica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	1	2	3	4	5	6	7	8	9	10	11	12	13.1	13.2	14	15	16	17	18	19	20	21	22.1	22.2	23	24	25	26	27	28	29	30	31	32	33	34
Nereis zonata	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Nicolea venustula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Nothria conchylega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Notomastus latericeus	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	1	0	1	1	4	8	6	0	0	2	6	0	3	6	1	0	0	0
Notophyllum foliosum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucula nitidosa	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
Nucula sp. (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranchia spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Odontosyllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oligochaeta spp.	0	0	9	0	1	0	2	1	0	2	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0
Onchidoridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onchidoris depressa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophelia borealis	1	0	1	0	9	1	0	0	0	10	0	0	0	0	0	0	4	1	0	0	0	1	0	0	4	0	0	0	0	0	0	0	1	0	0	0
Ophelina acuminata	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiothrix fragilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	2	0	0	0	0	0
Ophiura affinis	1	1	0	2	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Ophiura albida	0	1	0	0	0	1	0	0	2	0	0	0	0	0	0	4	5	0	6	0	0	0	4	3	0	0	0	3	3	2	1	0	0	0	5	0
Ophiura ophiura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura sp. Juv.	0	0	0	0	0	0	0	1	2	0	0	1	0	1	0	3	5	0	1	0	0	1	0	8	0	0	0	1	2	0	0	0	1	0	0	0
Ophiuridae sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophryotrocha puerilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opisthodonta pterochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orbinia sertulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene humilis	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene nanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Owenia fusiformis	0	0	0	0	0	0	1	0	2	0	2	6	4	1	7	4	1	0	7	1	7	2	6	0	2	0	0	0	13	6	3	1	6	0	2	2
Paguridae sp.	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	1	0	0	0	0	2	0	0	0	0	0	0	0
Pagurus bernhardus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	1	2	3	4	5	6	7	8	9	10	11	12	13.1	13.2	14	15	16	17	18	19	20	21	22.1	22.2	23	24	25	26	27	28	29	30	31	32	33	34
Pagurus cuanensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Pandalina brevirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paradoneis lyra	4	0	6	2	2	1	3	4	5	0	4	5	7	11	6	3	1	2	10	3	18	10	3	5	4	2	5	13	10	10	1	19	1	2	0	10
Paramphitrite sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pariambus typicus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parougia caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parvicardium ovale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina cernua	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Pedicellina hispida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perioculodes longimanus	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Pharus legumen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phascolion strombus	0	0	0	0	0	0	0	1	5	4	0	0	0	1	5	5	0	0	0	1	0	1	1	2	2	0	0	0	0	1	2	4	1	0	0	0
Phaxas pellucidus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3	0
Phialella quadrata	1	1	1	1	1	0	1	1	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1
Philine aperta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe baltica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe inornata	0	0	0	0	0	3	0	5	5	2	1	3	6	10	5	15	0	0	2	2	11	3	10	15	15	0	0	11	5	5	1	42	9	0	6	0
Phoronis muelleri	4	0	0	0	0	0	0	0	12	0	4	9	8	25	4	2	1	0	7	0	10	1	3	1	5	0	0	3	6	1	2	15	2	0	14	0
Phoronis sp.	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	1	0	0	0	0	1
Photis longicaudata	0	0	0	0	0	0	0	0	0	0	0	6	0	1	0	81	1	0	20	0	22	0	5	0	2	0	0	0	20	6	17	11	0	0	67	7
Phtisica marina	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phyllodoce groenlandica	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	3	0	0	2	0	1	0	0	1	0	0	0	0	0	2	0	0	1	0	0	1
Phyllodoce laminosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pilumnus hirtellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pinnotheres pisum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Pirakia punctifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	1	2	3	4	5	6	7	8	9	10	11	12	13.1	13.2	14	15	16	17	18	19	20	21	22.1	22.2	23	24	25	26	27	28	29	30	31	32	33	34
Pisidia longicornis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	4	0	7	1	0	2	0	0	0	1	0	1	4	0	0	0	0
Pisione remota	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pista cristata	0	1	0	0	0	0	0	3	1	0	2	4	0	5	58	16	3	0	4	1	3	1	28	4	1	0	0	9	12	5	3	24	44	0	0	0
Plumularia setacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarke pallida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	0	1	0
Podarke sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarkeopsis capensis	2	0	0	3	1	0	0	0	1	0	1	3	2	2	0	1	0	1	4	1	1	0	2	1	0	0	1	1	0	2	0	0	0	0	0	0
Pododesmus patelliformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poecilochaetus serpens	2	2	1	9	1	0	0	10	9	0	22	8	7	12	4	8	13	0	0	0	9	3	1	0	1	2	2	0	1	12	0	2	6	0	22	2
Polinices pulchellus	3	1	0	0	0	0	0	1	2	0	1	0	1	0	1	4	2	0	1	0	3	1	1	1	2	0	0	0	1	1	2	1	1	0	1	0
Polycarpa fibrosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polyceridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polycirrus medusa	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	0	1	0	0	0	0	0	0	0	0	1	0	3	0	0	1	1	0
Polycirrus sp.	0	0	0	0	0	0	0	2	0	3	1	0	0	0	4	12	1	0	3	0	2	9	12	6	10	0	0	5	3	2	0	19	13	0	1	1
Polycirrus sp. A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	4	8	0	0	4	1	0	1	20	1	1	0	0
Polydora caeca	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Polydora caulleryi	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Polydora ciliata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora flava	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora sp 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Polydora sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius appendiculatus	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius lacteus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polynoidae sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros lamarcki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros triqueter	0	0	0	0	0	10	0	1	0	0	1	6	15	14	263	233	3	0	38	24	122	10	180	173	0	0	0	77	90	246	34	497	12	0	0	23
Pontocrates altamarinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	1	2	3	4	5	6	7	8	9	10	11	12	13.1	13.2	14	15	16	17	18	19	20	21	22.1	22.2	23	24	25	26	27	28	29	30	31	32	33	34
Pontocrates arenarius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Pontophilus bispinosus neglecta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontophilus trispinosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Procerastea nematodes	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Processa parva	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protodorvillea kefersteini	0	0	0	0	1	0	0	1	0	0	1	0	2	1	1	1	0	0	0	0	1	1	0	0	0	0	0	11	0	2	0	0	1	0	1	1
Protodrilus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Psammechinus miliaris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	4	1	2	0	0	0	0	0	0
Pseudocuma similis	0	1	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0
Pseudomystides limbata	1	1	0	0	0	0	0	0	0	4	1	0	0	0	7	3	2	0	0	0	0	0	0	0	1	1	0	2	0	0	0	3	0	2	0	1
Pseudoparatanais batei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Pseudopolydora pulchra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Pseudoprotella phasma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Pseudothyone raphanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Sabella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sabellaria spinulosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	1	0	0	0	0	0	0	0	0	2	1	0	1	0
Sagartia troglodytes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	1	0	0	0	1	0	0	4	0	0	0	0
Sagartiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saxicavella jeffreysi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scalibregma inflatum	2	0	0	0	0	0	0	1	2	3	2	16	17	11	1	0	0	0	16	1	21	3	62	49	1	0	1	1	23	4	0	10	1	0	0	1
Schistomeringos neglecta	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schistomeringos rudolphi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	4	0	1	1	0	0	0	0	0
Schistomysis spiritus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schizomavella linearis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis (*Scolelepis*) *bonnieri*	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Scolelepis (*Scolelepis*) *squamata*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis foliosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis tridentata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0
Scoloplos armiger	2	3	0	1	2	0	8	14	11	0	11	5	9	6	0	1	0	0	2	0	0	3	0	0	0	2	0	2	0	2	0	2	0	0	2	10
Sertularella gayi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0

Site Number	1	2	3	4	5	6	7	8	9	10	11	12	13.1	13.2	14	15	16	17	18	19	20	21	22.1	22.2	23	24	25	26	27	28	29	30	31	32	33	34
Sertularella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularia cupressina	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sigalion mathildae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solecurtus scopula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solenidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodoridium claparedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodorum gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0
Sphaeroma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis bulbosa	0	0	0	0	0	1	5	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Sphaerosyllis hystrix	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spio armata	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Spio decorata	5	0	1	2	0	0	4	1	6	3	4	1	0	4	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	2	0	1
Spio filicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spio martinensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spionidae genus B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spiophanes bombyx	8	5	1	3	27	0	10	4	30	0	2	17	22	22	0	0	0	15	14	0	4	0	3	0	0	12	9	3	0	1	0	1	0	0	5	4
Spiophanes kroyeri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula elliptica	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
Spisula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula subtruncata	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sponge sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sponge sp. 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Stenothoe marina	4	0	0	0	0	0	0	0	1	10	0	0	3	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	3	0
Sthenelais boa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sthenelais limicola	0	1	0	0	1	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
Streptosyllis websteri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Syllidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllides sp. A	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0
Syllidia armata	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	3	0	0	0	1	1	0	1	1	4	0	0	0	0	4	0	2	3	0	0	0

Site Number	1	2	3	4	5	6	7	8	9	10	11	12	13.1	13.2	14	15	16	17	18	19	20	21	22.1	22.2	23	24	25	26	27	28	29	30	31	32	33	34
Syllis cornuta	0	0	0	0	0	0	0	1	0	4	0	0	0	0	0	2	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	1	1	0	0	0
Syllis gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Synchelidium maculatum	1	2	0	4	0	0	0	0	0	0	3	0	1	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0
Tanaopsis graciloides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	4	0	0	0	0
Tapes rhomboides	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	1	2	0	5	0	2	0	0	3	0	0	0	1	2	1	0	1	0	0	0	0
Tellimya ferruginosa	5	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Terebellidae sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terebellides stroemi	0	0	0	0	0	0	0	1	0	0	1	0	0	0	9	2	0	0	0	0	1	0	3	2	0	0	0	1	0	3	4	1	3	0	2	0
Tharyx killariensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thia scutellata	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thoralus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	3
Thracia phaseolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
Thracia villosiuscula	3	0	2	0	6	1	4	0	1	1	1	0	0	2	1	4	0	2	1	0	0	0	0	0	5	0	0	2	0	0	0	0	0	0	0	0
Thyone fusus	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	1	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	2	0	0	1
Timoclea ovata	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tmetonyx similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Travisia forbesi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tricellaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Tritonia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	3	0	0	0	0	0
Trypanosyllis zebra	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubulanus annulatus	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia indivisa	0	0	0	1	0	0	0	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0
Tubularia larynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Tubularia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Tubulipora*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tunicata sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
Turbicellepora avicularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	1	2	3	4	5	6	7	8	9	10	11	12	13.1	13.2	14	15	16	17	18	19	20	21	22.1	22.2	23	24	25	26	27	28	29	30	31	32	33	34
Unicola planipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upogebia deltaura	2	0	0	2	0	0	0	3	3	0	5	10	14	12	8	2	5	3	0	0	10	1	1	2	0	0	0	3	4	4	0	7	9	0	1	0
Upogebia stellata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urothoe elegans	0	0	0	0	0	1	0	6	17	0	5	7	9	11	8	9	8	0	0	0	0	1	0	0	23	0	0	8	0	0	0	1	23	0	4	6
Urothoe marina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina eques	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina felina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Veneridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Verruca stroemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Virgularia mirabilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	35.1	35.2	36	37	38	39	40.1	40.2	41	42	43	44	45	46	47.1	47.2	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62.1	62.2	63	64	65	66
Abietinaria abietina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	0	0	0	0
Abietinaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abludomelita obtusata	0	0	0	1	0	0	1	0	1	0	0	0	4	0	0	0	0	0	2	0	1	3	0	0	0	0	0	0	4	0	0	0	0	0	0	0
Abra alba	0	0	3	2	0	2	5	1	5	0	0	0	0	4	0	6	0	1	2	0	0	0	0	0	1	0	0	0	2	0	0	0	0	5	0	0
Abra nitida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra prismatica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achaeus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achelia echinata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acholoe squamosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acidostoma obesum	1	0	3	0	0	0	0	0	2	0	0	0	1	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acteon tornatilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Actinaria	0	0	1	0	0	0	0	0	3	0	2	0	0	2	0	0	1	0	0	0	0	0	2	0	6	3	0	1	0	0	0	0	1	2	0	0
Adamsia carciniopados	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adyte pellucida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	6	1	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	35.1	35.2	36	37	38	39	40.1	40.2	41	42	43	44	45	46	47.1	47.2	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62.1	62.2	63	64	65	66
*Aeolidia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aequipecten opercularis	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aglaophamus rubella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium diaphanum	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Alcyonidium sp.	1	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
Alcyonium digitatum	1	1	1	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Alentia gelatinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes tobianus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca brevicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca diadema	0	0	0	0	0	0	0	2	0	0	0	0	2	5	6	0	2	2	0	0	0	0	0	0	3	0	2	2	0	0	0	0	1	0	0	0
Ampelisca sp.	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca spinipes	7	3	5	17	0	5	2	3	15	0	0	0	3	0	0	0	3	2	0	0	11	11	4	0	0	0	4	0	13	0	0	1	7	7	0	0
Ampelisca tenuicornis	0	0	0	0	0	0	1	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Ampelisca typica	0	0	1	1	0	1	0	2	7	0	0	0	0	1	0	0	0	1	0	0	6	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Ampharete lindstroemi	52	12	41	19	6	21	13	16	13	0	0	0	14	16	51	10	28	64	3	0	4	23	7	0	11	4	5	13	32	0	0	0	25	46	0	1
Amphictene auricoma	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Amphilocus neapolitanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipholis squamata	7	0	3	3	8	3	2	2	0	0	0	0	1	2	19	20	0	0	0	0	1	1	3	3	3	3	0	1	0	0	0	0	2	7	0	0
Amphitritides gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura brachiata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura filiformis	1	2	1	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	8	0	0	0	0	0	0	0
Amphiura sp. Juv.	0	0	0	0	0	1	0	0	2	1	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0
Anaitides lineata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides longipes	0	0	3	3	0	1	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Anaitides mucosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides rosea	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	6	0	0	0	0	0	0	0
Anapagurus laevis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	35.1	35.2	36	37	38	39	40.1	40.2	41	42	43	44	45	46	47.1	47.2	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62.1	62.2	63	64	65	66
Anomiidae sp.	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
Anoplodactylus petiolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anthura gracilis	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Aonides oxycephala	8	2	4	7	0	1	5	1	0	0	0	0	3	0	11	3	1	2	0	0	2	4	1	1	1	1	0	4	6	0	0	1	7	1	1	0
Aonides paucibranchiata	3	0	2	5	5	10	10	7	9	5	19	0	3	8	6	3	13	7	5	0	0	3	1	2	6	14	21	3	4	0	5	5	0	18	5	1
Aora gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Aora sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
Aoridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphelochaeta multibranchiis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphelochaeta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apherusa bispinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphrodita aculeata	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arcopagia crassa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Argissa hamatipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aricidea cerrutii	1	0	0	0	0	1	0	2	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Aricidea minuta	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aricidea sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia conchilega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidiella aspersa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ascidiella*sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asterias rubens	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0
Astropecten irregularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus falcatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus swammerdami	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus vedlomensis	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0
Autolytus aurantiacus	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	35.1	35.2	36	37	38	39	40.1	40.2	41	42	43	44	45	46	47.1	47.2	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62.1	62.2	63	64	65	66
Autolytus edwarsi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Autolytus prolifera	2	1	1	2	0	1	5	4	2	0	1	0	1	4	0	1	2	6	4	0	0	0	3	1	2	0	0	0	4	0	0	0	0	1	0	0
Axiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus balanus	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus crenatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Barnea candida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bathyporeia elegans	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	14	0	1	0	0	0	0
Bathyporeia guilliamsoniana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bispira voluticornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Bodotria scorpioides	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bougainvillia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Branchiostoma lanceolatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Bugula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callianassa subterranea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callianassidae sp.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	3	0	0	0	0	1	1	0
Calliostoma zizyphinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callopora dumerilii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calycella syringa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Campanulariidae	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0
Caulleriella alata	5	1	18	9	10	6	13	11	8	4	4	0	4	3	4	5	8	3	1	0	0	6	1	3	3	1	3	7	12	0	1	1	4	3	5	7
Caulleriella zetlandica	0	0	0	0	0	0	4	4	0	0	0	0	0	1	0	0	0	1	1	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Celleporina hassallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ceradocus semiserratus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerianthus lloydii	16	1	48	35	2	6	1	0	1	0	0	0	16	0	36	22	1	7	1	0	14	5	0	0	0	1	2	8	1	0	3	0	5	2	1	0
Chaetopterus variopedatus	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
Chaetozone setosa type B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus intermedius	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	35.1	35.2	36	37	38	39	40.1	40.2	41	42	43	44	45	46	47.1	47.2	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62.1	62.2	63	64	65	66
Cheirocratus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
Cheirocratus sundevallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlamys varia	0	0	0	0	0	0	3	1	0	0	0	0	0	0	1	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Chone duneri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chone fauveli	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
Chorizopora brongniartii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ciona intestinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirratulus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirrophorus branchiatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clausinella fasciata	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clymenura borealis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clytia hemisphaerica	0	0	0	1	0	0	1	1	1	1	0	0	1	1	1	0	1	1	1	0	0	1	1	1	0	0	1	0	1	0	1	0	0	0	0	0
Conilera cylindracea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conopeum reticulum	1	0	1	0	1	1	1	1	1	0	0	0	0	1	0	0	1	1	1	0	0	0	1	1	0	1	1	1	0	0	0	0	0	1	1	0
Corbula gibba	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corophium bonnellii	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	1	0	0
Corophium sextonae	0	0	4	2	2	0	4	0	0	0	5	0	0	0	0	17	2	2	0	0	0	0	247	4	0	0	0	0	0	0	0	0	0	0	0	0
Corystes cassivelaunus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Crangon allmanni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crangon crangon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cribrilina punctata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crisia eburnea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crisia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cylichna cylindracea	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demonax cambrensis	1	2	4	1	0	3	1	1	0	0	0	0	4	0	7	1	1	2	0	1	0	3	2	0	0	0	1	0	1	0	0	1	6	7	0	0
Dendrodoa grossularia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diastylis bradyi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diastylis laevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	35.1	35.2	36	37	38	39	40.1	40.2	41	42	43	44	45	46	47.1	47.2	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62.1	62.2	63	64	65	66
Diplecogaster bimaculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dodecaceria concharum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Donax vittatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia exoleta	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia lupinus	0	1	0	0	0	0	0	1	0	1	2	0	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0
Dosinia sp.	0	0	3	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Dotosp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tuberosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Ebalia tumefacta	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ebalia*sp.	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Echinidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinocardium cordatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Echinocyamus pusillus	3	0	1	1	1	0	3	2	0	0	1	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	2
Edwardsia claparedii	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Edwardsia*sp.	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Ehlersia cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electra pilosa	1	0	0	0	1	0	1	1	0	0	0	0	0	1	0	1	1	0	1	0	0	0	1	0	0	1	0	1	0	0	0	0	0	1	1	0
Embletonia pulchra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Enipo elisabethae	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis arcuatus	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis ensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis sp. Damaged	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
Epilepton clarkiae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ericthonius punctatus	0	0	0	0	10	2	3	4	0	0	3	0	0	15	0	8	0	0	2	0	0	0	652	1	0	0	0	0	0	0	1	0	1	0	0	0
Escharella immersa	2	0	1	1	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	0	1	1	0	0	0	0	1	0	1	1	0	0
Eteone longa/flava (agg.)	3	1	3	1	0	1	2	3	0	2	0	0	1	1	0	2	1	0	1	0	0	2	0	0	1	2	2	2	1	0	1	1	0	1	0	0
Eubranchus sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	35.1	35.2	36	37	38	39	40.1	40.2	41	42	43	44	45	46	47.1	47.2	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62.1	62.2	63	64	65	66
Euchone rubrocincta	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euclymene lumbricoides	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eulalia expusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eulalia mustela	0	0	0	0	0	3	0	2	0	0	2	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumida bahusiensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumida sanguinea	4	1	5	11	4	12	10	13	3	0	3	0	0	6	0	14	4	8	2	0	0	1	32	6	0	0	1	0	3	0	0	1	2	17	0	0
Eumida sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eunice pennata	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eurynome aspera	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Eusyllis blomstrandi	1	0	0	0	5	2	0	4	0	0	1	0	0	8	0	0	1	3	1	0	0	0	2	0	3	3	0	0	0	0	2	0	0	0	0	0
Exogone hebes	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Exogone naidina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exogone verugera	0	0	0	0	0	1	0	0	0	2	2	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fabulina fabula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flabelligera affinis	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flustra foliacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Folliculinidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathea intermedia	1	0	0	0	0	1	0	0	0	0	1	0	0	2	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0
Galathowenia sp.	0	0	0	0	0	0	0	0	0	0	1	0	30	0	0	0	0	0	0	0	18	7	0	2	0	0	0	0	0	0	2	0	8	0	0	2
Gammaropsis maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gammaropsis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gari fervensis	0	1	0	1	0	0	0	0	1	0	1	0	3	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Gastrosaccus sanctus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastrosaccus spinifer	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
Gattyana cirrosa	2	0	3	4	1	1	1	1	0	0	0	0	0	4	0	6	1	3	1	0	0	0	11	0	0	1	0	0	0	0	0	0	1	6	0	0
Gibbula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera alba	4	2	3	2	0	0	0	1	0	0	0	0	6	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	5	0	0	0	0	0	0	0

Site Number	35.1	35.2	36	37	38	39	40.1	40.2	41	42	43	44	45	46	47.1	47.2	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62.1	62.2	63	64	65	66
Glycera lapidum	1	1	0	3	2	10	4	1	6	3	7	0	0	7	7	2	8	2	4	1	1	0	2	0	5	7	1	1	2	0	2	1	3	9	1	2
Glycera oxycephala	0	0	1	0	0	0	0	0	5	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Glycera rouxii	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
Glycera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera tridactyla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycinde nordmanni	2	1	0	1	0	2	3	3	10	3	0	0	2	0	0	0	2	0	0	0	3	2	0	1	1	1	4	2	12	0	1	0	1	0	0	1
Gnathia oxyuraea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gnathia sp.	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia elongata	2	0	0	0	0	3	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia vulgaris	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Goniada maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goniadella gracilis	0	0	0	2	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	0	0	0	0	0	0	0	0	1
*Goniodoris*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goodallia triangularis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Halecium halecinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe fragilis	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe glabra	0	1	0	0	0	1	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe impar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe ljungmani	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hesionura elongata	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Heteroclymene robusta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hiatella arctica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Hippolyte sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte varians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0
Hippomedon denticulatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	35.1	35.2	36	37	38	39	40.1	40.2	41	42	43	44	45	46	47.1	47.2	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62.1	62.2	63	64	65	66
Hydrallmania falcata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Hydroides norvegica	8	12	15	5	6	27	2	1	0	0	0	1	1	10	4	2	6	8	3	0	0	5	18	2	10	1	2	1	1	0	3	0	12	9	0	0
Hypereteone foliosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Hyperoplus lanceolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inachus dorsettensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Inachus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphimedia minuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphinoe trispinosa	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jassa pusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kefersteinia cirrata	0	0	0	0	2	0	0	0	0	0	0	0	0	0	5	22	0	2	0	0	0	0	4	0	2	0	0	1	0	0	0	0	3	0	0	0
Laevicardium crassum	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lagis koreni	4	0	2	2	0	1	6	2	3	0	0	0	0	4	0	2	4	1	0	0	5	2	0	0	0	0	0	0	2	0	1	0	0	1	1	0
Lanice conchilega	0	0	0	0	0	0	0	0	3	2	0	0	3	0	0	0	1	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Laonice bahusiensis	0	0	0	0	3	5	0	0	0	0	0	0	0	4	5	2	3	0	0	0	0	0	1	0	3	0	1	0	0	0	0	0	0	9	0	0
Lembos longipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Lembos*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidepecreum longicorne	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Lepidonotus squamatus	2	0	2	2	0	0	2	0	1	0	2	0	0	0	0	3	1	11	1	0	0	0	16	1	1	0	0	0	0	0	0	0	0	2	0	0
Leptocheirus hirsutimanus	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptocheirus pilosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptochiton asellus	1	1	8	1	0	1	0	1	0	0	0	0	0	1	1	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepton squamosum	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Leptosynapta bergensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta inhaerens	2	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0
Leptosynapta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leuckartiara octona	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucosolenia botryoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	35.1	35.2	36	37	38	39	40.1	40.2	41	42	43	44	45	46	47.1	47.2	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62.1	62.2	63	64	65	66
Leucosolenia sp.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucothoe incisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limaria hians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus depurator	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Liocarcinus holsatus	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus marmoreus	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
Liocarcinus pusillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus sp. Juv.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0
Liomesis ovum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loxosoma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lumbrineris gracilis	22	11	29	34	0	11	8	2	3	0	11	0	7	4	41	18	2	15	0	0	4	6	6	0	3	2	4	3	2	0	0	1	10	0	0	0
Lumbrineris latreilli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lumbrineris sp.	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
Lyonsia norwegica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lysilla loveni	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia rostrata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Mactra stultorum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maera othonis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maerella tenuimana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona alleni	5	0	3	1	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	6	0	0	0	3	0	0	0
Magelona filiformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona johnstoni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Majidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maldanidae sp.	0	1	0	0	0	0	0	2	1	11	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0
Malmgrenia lunulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malmgrenia sp.	2	1	3	5	0	8	6	5	0	0	1	0	1	4	0	2	3	6	1	0	0	1	0	1	1	2	8	2	1	0	0	0	3	4	0	1
Marphysa bellii	0	0	1	0	2	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mediomastus fragilis	23	9	30	9	12	29	13	11	3	3	7	0	30	13	27	15	1	13	0	1	2	9	8	2	7	5	50	27	10	0	3	1	14	12	2	1
Megaluropus agilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	35.1	35.2	36	37	38	39	40.1	40.2	41	42	43	44	45	46	47.1	47.2	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62.1	62.2	63	64	65	66
Megamphopus cornutus	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	3	2	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0
Metridium senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Micromaldane ornithochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microphthalmus similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microprotopus maculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolarca tumida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolula phaseolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus modiolus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moerella donacina	0	0	0	2	0	2	2	0	0	0	0	0	1	0	2	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	1	1	1	0	0	1
Moerella pygmaea	2	0	1	0	0	0	2	0	0	1	0	0	1	1	0	1	0	1	0	5	0	0	2	0	0	1	0	0	1	1	0	0	0	0	1	0
Molgula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0
*Musculus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya sp. Juv.	1	1	1	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Mya truncata	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Mysella bidentata	0	0	26	88	1	19	27	5	6	0	0	0	3	1	0	3	0	3	2	0	0	1	0	2	3	3	67	1	4	0	1	11	0	26	11	0
Mysia undata	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysta picta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nebalia bipes	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Necora puber	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda spp.	0	0	0	7	4	0	1	2	1	2	0	0	0	1	1	10	0	0	5	1	0	0	0	1	0	0	7	3	0	0	0	0	0	2	0	0
Nematonereis unicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertea spp.	11	4	9	5	5	9	7	8	7	12	18	0	9	12	12	9	9	14	3	5	6	8	4	5	2	2	6	5	20	1	2	8	5	20	4	1
Nemertesia antennina	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertesia ramosa	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neoamphitrite affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Nephtys assimilis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys caeca	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0

Site Number	35.1	35.2	36	37	38	39	40.1	40.2	41	42	43	44	45	46	47.1	47.2	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62.1	62.2	63	64	65	66
Nephtys cirrosa	0	0	0	0	0	0	0	0	2	20	1	0	0	0	1	0	0	0	0	17	0	0	0	0	0	0	0	0	0	14	0	0	0	0	1	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys kersivalensis	0	0	7	11	1	0	0	0	0	0	0	0	0	0	0	11	0	2	0	0	1	0	3	0	3	0	0	1	0	0	0	0	4	0	0	0
Nephtys longosetosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys sp. (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereimyra punctata	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis longissima	2	0	1	0	0	1	0	2	0	0	0	0	1	1	0	0	1	0	0	0	0	1	0	0	0	0	2	0	0	0	1	0	2	2	0	0
Nereis pelagica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis zonata	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nicolea venustula	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nothria conchylega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Notomastus latericeus	3	0	1	1	5	15	4	5	0	0	0	0	0	1	2	2	2	6	0	0	0	1	0	1	0	0	1	1	0	0	0	0	1	9	1	0
Notophyllum foliosum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucula nitidosa	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	1
Nucula sp. (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranchia spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Odontosyllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oligochaeta spp.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onchidoridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onchidoris depressa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophelia borealis	0	0	0	0	0	0	0	2	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	1	0	0	0	0
Ophelina acuminata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Ophiothrix fragilis	0	0	0	0	1	0	1	0	0	0	2	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura affinis	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Ophiura albida	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	2	0	0	0	11	2	0	0
Ophiura ophiura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Ophiura sp. Juv.	1	1	0	0	2	0	2	2	0	1	0	0	1	0	0	2	1	1	0	0	0	0	0	0	0	0	1	0	9	0	0	2	0	0	0	0

Site Number	35.1	35.2	36	37	38	39	40.1	40.2	41	42	43	44	45	46	47.1	47.2	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62.1	62.2	63	64	65	66
Ophiuridae sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophryotrocha puerilis	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opisthodonta pterochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orbinia sertulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene humilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene nanus	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Owenia fusiformis	9	8	6	7	0	0	2	3	5	1	3	0	7	2	4	8	8	6	0	0	6	6	3	3	3	1	4	1	17	0	0	1	7	2	1	2
Paguridae sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	1	0	0	0
Pagurus bernhardus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Pagurus cuanensis	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalina brevirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Paradoneis lyra	17	5	31	8	0	3	9	9	2	9	8	0	17	9	11	8	19	4	3	3	7	8	3	4	1	7	11	4	20	0	0	0	11	8	1	2
Paramphitrite sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pariambus typicus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parougia caeca	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parvicardium ovale	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina cernua	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina hispida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perioculodes longimanus	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
Pharus legumen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phascolion strombus	1	0	0	0	1	1	0	5	0	0	0	0	1	1	3	3	1	0	0	0	0	1	2	0	0	1	1	0	0	0	2	0	0	1	1	2
Phaxas pellucidus	0	0	0	0	0	0	0	1	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Phialella quadrata	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0
Philine aperta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Pholoe baltica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe inornata	10	9	4	5	4	60	3	18	10	1	11	0	13	9	11	18	2	15	4	0	0	4	11	9	6	3	31	8	8	1	2	1	11	15	2	7
Phoronis muelleri	6	0	31	5	0	7	6	4	1	0	2	0	0	0	5	1	0	2	0	0	5	17	0	3	3	2	40	2	25	0	0	0	0	3	0	0

Site Number	35.1	35.2	36	37	38	39	40.1	40.2	41	42	43	44	45	46	47.1	47.2	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62.1	62.2	63	64	65	66
Phoronis sp.	10	6	0	0	0	0	0	0	0	0	0	0	26	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	2	7	20	0	3	0
Photis longicaudata	9	0	124	64	1	5	0	3	39	0	0	0	8	1	11	21	0	38	70	0	15	4	46	0	6	2	0	15	6	0	0	0	1	0	0	0
Phtisica marina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Phyllodoce groenlandica	2	0	0	0	0	1	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	3	0	0	0	0	3	0	0	0	1	0	0	0	0	0
Phyllodoce laminosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pilumnus hirtellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0
Pinnotheres pisum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pirakia punctifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pisidia longicornis	5	0	5	2	0	2	4	1	0	0	4	0	0	3	0	28	1	12	0	0	0	0	127	1	1	0	0	0	0	0	0	0	0	3	0	0
Pisione remota	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pista cristata	7	16	9	12	17	20	15	17	4	0	1	0	3	17	15	26	11	29	0	0	1	2	3	0	14	1	11	2	6	0	0	1	9	56	3	1
Plumularia setacea	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarke pallida	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0
Podarke sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarkeopsis capensis	1	0	1	3	0	1	0	2	0	2	0	0	4	0	2	0	0	1	0	2	1	1	0	0	0	0	0	0	5	0	0	1	0	1	0	0
Pododesmus patelliformis	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poecilochaetus serpens	4	2	2	0	0	3	13	14	7	1	4	0	9	2	0	0	8	2	5	0	3	7	0	1	0	0	9	4	3	0	0	0	1	0	0	0
Polinices pulchellus	0	0	0	0	0	5	1	1	0	1	1	0	0	1	2	3	1	2	1	0	2	0	0	0	3	1	4	1	1	0	0	1	1	0	3	1
Polycarpa fibrosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polyceridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polycirrus medusa	2	0	0	20	7	0	0	0	2	3	7	0	0	0	9	2	1	6	0	0	0	0	2	0	0	2	2	2	0	0	0	0	0	0	0	3
Polycirrus sp.	5	2	7	7	4	19	7	21	2	2	4	0	1	21	9	11	5	4	3	0	0	1	1	0	3	0	8	3	1	1	2	2	4	20	0	1
Polycirrus sp. A	2	0	0	0	3	18	6	11	2	1	1	0	0	7	6	1	2	2	2	0	0	0	0	0	0	1	14	0	0	0	1	0	2	0	1	0
Polydora caeca	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	1	0	0	0	0	0	0	0	0
Polydora caulleryi	0	3	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Polydora ciliata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	35.1	35.2	36	37	38	39	40.1	40.2	41	42	43	44	45	46	47.1	47.2	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62.1	62.2	63	64	65	66
Polydora flava	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora sp 1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0
Polydora sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius appendiculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius lacteus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polynoidae sp.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros lamarcki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros triqueter	32	125	125	85	19	276	2	5	0	0	48	4	6	154	50	289	80	71	212	0	8	16	352	73	13	35	0	3	0	0	8	0	230	35	0	0
Pontocrates altamarinus	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontocrates arenarius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pontophilus bispinosus neglecta	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontophilus trispinosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Procerastea nematodes	0	0	0	0	0	0	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Processa parva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
Protodorvillea kefersteini	1	2	2	2	0	3	2	0	0	1	1	0	1	3	1	5	0	3	1	0	1	0	0	0	1	0	1	0	3	0	3	0	0	0	0	1
Protodrilus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Psammechinus miliaris	1	0	0	0	0	0	0	0	0	0	3	0	0	1	1	0	3	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0
Pseudocuma similis	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudomystides limbata	0	0	1	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0
Pseudoparatanais batei	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudopolydora pulchra	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudoprotella phasma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudothyone raphanus	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2	0	1	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Sabella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sabellaria spinulosa	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	11	6	0	0	0	0	0	0	0	0	0	2	0	0
Sagartia troglodytes	0	0	3	1	2	0	0	1	1	0	0	0	0	0	5	2	2	1	4	0	0	0	4	1	0	0	0	18	0	0	0	0	0	0	0	1
Sagartiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saxicavella jeffreysi	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scalibregma inflatum	26	23	29	24	0	23	3	1	2	0	4	0	15	6	31	10	7	6	1	0	3	8	11	1	0	0	0	0	13	0	0	0	27	12	0	0

Site Number	35.1	35.2	36	37	38	39	40.1	40.2	41	42	43	44	45	46	47.1	47.2	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62.1	62.2	63	64	65	66
Schistomeringos neglecta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schistomeringos rudolphi	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Schistomysis spiritus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schizomavella linearis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis (*Scolelepis*) *bonnieri*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis (*Scolelepis*) *squamata*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis foliosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis tridentata	0	0	0	1	0	2	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0
Scoloplos armiger	1	1	0	1	0	1	0	0	2	1	9	0	3	1	0	0	1	4	0	0	14	6	2	9	0	0	0	0	22	1	14	5	0	0	6	3
Sertularella gayi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularia cupressina	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sigalion mathildae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solecurtus scopula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solenidae sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodoridium claparedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodorum gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeroma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis bulbosa	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Sphaerosyllis hystrix	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spio armata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Spio decorata	0	0	0	0	0	1	3	4	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	1
Spio filicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Spio martinensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spionidae genus B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spiophanes bombyx	4	4	3	1	0	0	0	0	0	5	2	0	6	1	1	1	1	0	0	6	13	7	0	0	0	0	0	0	33	8	2	0	0	0	2	0
Spiophanes kroyeri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula elliptica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0

Site Number	35.1	35.2	36	37	38	39	40.1	40.2	41	42	43	44	45	46	47.1	47.2	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62.1	62.2	63	64	65	66
Spisula subtruncata	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sponge sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sponge sp. 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenothoe marina	0	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
Sthenelais boa	0	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0
Sthenelais limicola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Streptosyllis websteri	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllides sp. A	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllidia armata	6	0	8	4	0	1	1	1	0	0	6	0	0	3	0	6	2	5	0	0	0	0	13	0	1	1	0	0	0	0	0	0	0	0	0	0
Syllis cornuta	0	0	0	0	2	2	4	1	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
Syllis gracilis	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	6	0	0	0	0	0	0	0	0	0	0	0	0
Syllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Synchelidium maculatum	0	0	0	0	0	0	1	0	0	4	0	0	0	0	0	0	0	0	0	4	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Tanaopsis graciloides	0	0	2	0	2	4	0	0	0	0	1	0	0	3	1	1	0	0	0	0	0	1	1	3	0	0	1	0	2	0	0	0	0	2	0	0
Tapes rhomboides	1	1	1	1	0	0	2	0	0	0	3	0	3	2	3	4	1	2	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	4	0	0
Tellimya ferruginosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terebellidae sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	5	0	0
Terebellides stroemi	4	1	3	1	3	2	0	0	0	0	0	0	1	0	5	1	10	1	0	0	0	0	0	0	4	0	0	0	2	0	0	0	1	18	0	0
Tharyx killariensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Thia scutellata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thoralus cranchii	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Thracia phaseolina	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	2	1	0	1	0	0
Thracia villosiuscula	0	0	0	0	1	2	2	4	0	2	1	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Thyone fusus	0	1	0	2	0	1	1	0	0	0	0	0	2	0	0	1	0	1	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	1	0	0
Timoclea ovata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Tmetonyx similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Travisia forbesi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tricellaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tritonia sp.	0	0	0	1	0	1	0	0	0	0	7	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	35.1	35.2	36	37	38	39	40.1	40.2	41	42	43	44	45	46	47.1	47.2	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62.1	62.2	63	64	65	66
Trypanosyllis zebra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubulanus annulatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia indivisa	0	0	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Tubularia larynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0
*Tubulipora*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
Tunicata sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbicellepora avicularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0
Unicola planipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upogebia deltaura	1	0	8	11	0	12	8	4	1	0	2	0	10	5	2	5	1	2	1	0	6	14	3	0	2	1	11	3	0	0	0	6	6	16	2	0
Upogebia stellata	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urothoe elegans	0	0	0	0	1	0	0	17	10	1	8	0	3	0	0	0	2	0	4	0	2	3	0	6	0	3	16	5	7	0	8	19	0	2	2	2
Urothoe marina	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	7	18	0	0	0	0	0	0	0	0	0
Urticina eques	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina felina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Veneridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Verruca stroemia	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Virgularia mirabilis	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Abietinaria abietina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abietinaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abludomelita obtusata	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0
Abra alba	0	4	0	1	1	0	0	0	0	0	2	0	0	0	1	0	1	0	0	0	2	0	0	0	0	0	0	1	0	0	1	0	14	0	0	2
Abra nitida	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra prismatica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Abra sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achaeus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achelia echinata	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Acholoe squamosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acidostoma obesum	0	2	0	1	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acteon tornatilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Actinaria	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	8	0	0	0	0	1	0	0	0	0	0	0	1	0	0	3	1	2	4	0	0
Adamsia carciniopados	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adyte pellucida	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Aeolidia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aequipecten opercularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aglaophamus rubella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium diaphanum	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Alcyonidium sp.	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1
Alcyonium digitatum	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alentia gelatinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes tobianus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca brevicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca diadema	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
Ampelisca sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Ampelisca spinipes	0	2	0	5	1	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
Ampelisca tenuicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca typica	11	2	0	5	2	0	0	0	0	0	1	4	0	0	4	1	7	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampharete lindstroemi	0	3	0	34	0	1	0	0	0	0	0	1	0	0	3	69	1	0	0	0	4	0	0	0	0	0	0	0	0	0	0	2	0	28	0	0	1
Amphictene auricoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Amphilocus neapolitanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Amphipholis squamata	0	4	0	0	0	0	0	2	0	13	0	0	0	1	3	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Amphitritides gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura brachiata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	1	0	1	0	0	0	0
Amphiura filiformis	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Amphiura sp. Juv.	0	0	0	2	6	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	3
Anaitides lineata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides longipes	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Anaitides mucosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides rosea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	8
Anapagurus laevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anomiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anoplodactylus petiolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anthura gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aonides oxycephala	0	3	0	4	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	6
Aonides paucibranchiata	20	3	6	3	13	0	0	2	1	0	9	13	12	2	6	16	41	0	0	0	21	13	1	4	31	4	0	0	0	5	3	0	28	0	0	0
Aora gracilis	0	0	0	0	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aora sp.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aoridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphelochaeta multibranchiis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphelochaeta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apherusa bispinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphrodita aculeata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arcopagia crassa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Argissa hamatipes	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Aricidea cerrutii	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Aricidea minuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	1
Aricidea sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia conchilega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Ascidia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidiella aspersa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ascidiella*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asterias rubens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Astropecten irregularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus falcatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Atylus swammerdami	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus vedlomensis	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
Autolytus aurantiacus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Autolytus edwarsi	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Autolytus prolifera	0	1	0	0	0	0	0	2	0	1	3	0	0	5	3	0	0	0	0	0	4	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Axiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus balanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus crenatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Barnea candida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bathyporeia elegans	0	0	0	0	0	2	5	2	5	0	0	1	0	1	0	0	0	11	7	0	0	0	0	1	0	1	1	0	1	2	0	1	0	0	1	0
Bathyporeia guilliamsoniana	0	0	0	0	0	20	8	2	0	0	0	0	0	0	0	0	0	18	19	4	0	2	0	0	0	0	3	6	5	4	0	2	0	8	1	0
Bispira voluticornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bodotria scorpioides	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	2	4	0	0	0	0	0	0	0	0	0	5	0	3	0	0	0
Bougainvillia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Branchiostoma lanceolatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bugula sp.	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0
Callianassa subterranea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callianassidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Calliostoma zizyphinum	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Callopora dumerilii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calycella syringa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Campanulariidae	1	1	0	0	0	0	0	1	0	1	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
Caulleriella alata	1	3	0	11	0	0	0	0	0	0	0	3	1	2	4	8	4	0	0	0	5	0	0	0	1	0	0	0	0	0	13	1	2	0	0	2
Caulleriella zetlandica	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	21	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Celleporina hassallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ceradocus semiserratus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerianthus lloydii	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Chaetopterus variopedatus	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Chaetozone setosa type B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Cheirocratus intermedius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus sundevallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlamys varia	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
Chone duneri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chone fauveli	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chorizopora brongniartii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ciona intestinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirratulus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirrophorus branchiatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clausinella fasciata	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Clymenura borealis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clytia hemisphaerica	1	1	1	1	0	0	0	1	0	0	0	1	1	1	1	1	1	1	0	1	1	0	0	0	1	0	0	0	1	0	1	0	1	0	1	1
Conilera cylindracea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conopeum reticulum	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	0	1	1	0	0	0	0	0	1	0	1	0	0	1
Corbula gibba	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Corophium bonnellii	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corophium sextonae	0	3	0	0	0	0	0	60	0	8	0	1	1	6	1	0	0	0	1	0	3	0	0	1	0	0	0	0	0	0	21	0	1	0	0	0
Corystes cassivelaunus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Crangon allmanni	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Crangon crangon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cribrilina punctata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crisia eburnea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crisia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Cylichna cylindracea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demonax cambrensis	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Dendrodoa grossularia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diastylis bradyi	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	2	0
Diastylis laevis	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diplecogaster bimaculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dodecaceria concharum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Donax vittatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia exoleta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia lupinus	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	0
Dosinia sp.	0	0	0	0	2	1	1	3	0	0	0	1	0	2	1	2	1	1	6	3	0	1	2	2	3	7	0	1	0	0	0	0	0	1	0	0
*Dotos*p.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tuberosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tumefacta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ebalia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Echinocardium cordatum	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	2
Echinocyamus pusillus	0	0	0	2	0	0	0	0	2	0	0	0	1	1	2	1	0	0	0	1	1	0	1	2	1	4	0	1	0	0	0	0	0	0	0	0
Edwardsia claparedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Edwardsia*sp.	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	8	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Ehlersia cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electra pilosa	1	1	0	13	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Embletonia pulchra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Enipo elisabethae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis arcuatus	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Ensis ensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis sp. Damaged	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Epilepton clarkiae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ericthonius punctatus	0	0	0	0	0	0	0	152	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	1	1	0	6	0	0	0	0	0
Escharella immersa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Eteone longa/flava (agg.)	2	0	0	4	1	2	1	0	0	0	0	1	0	0	2	0	0	0	1	0	2	0	0	0	0	0	0	1	1	0	0	1	0	0	0	1
Eubranchus sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Euchone rubrocincta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euclymene lumbricoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eulalia expusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eulalia mustela	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	2	0	0	0
Eumida bahusiensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumida sanguinea	0	1	0	1	1	0	0	0	0	1	0	2	0	1	1	5	1	0	0	0	2	0	0	0	0	0	0	0	0	0	3	0	4	0	1	2
Eumida sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eunice pennata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eurynome aspera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eusyllis blomstrandi	0	1	0	0	0	0	0	4	0	0	0	0	0	1	1	0	0	1	0	0	8	0	0	0	0	0	0	0	0	0	5	0	1	0	0	0
Exogone hebes	0	0	0	0	0	0	0	0	1	0	0	0	0	6	1	0	4	0	1	2	0	7	2	17	0	0	0	0	0	0	0	0	1	1	0	0
Exogone naidina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exogone verugera	0	0	1	0	7	0	0	0	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0	1	0	0	0
Fabulina fabula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flabelligera affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flustra foliacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
Folliculinidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Galathea intermedia	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathowenia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Gammaropsis maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gammaropsis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gari fervensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Gastrosaccus sanctus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastrosaccus spinifer	2	0	0	0	0	4	1	0	5	0	0	1	3	0	0	0	0	1	0	3	0	2	1	3	2	3	0	2	0	0	1	0	0	0	1	0
Gattyana cirrosa	0	4	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Gibbula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera alba	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Glycera lapidum	19	2	1	1	4	0	0	0	0	1	3	3	15	3	0	6	7	0	0	0	6	2	0	0	14	0	0	0	0	0	1	0	24	1	0	0
Glycera oxycephala	1	0	0	0	4	0	0	0	2	0	0	0	0	0	0	0	3	0	0	0	0	0	7	9	0	4	0	0	0	0	0	0	1	0	0	0
Glycera rouxii	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera tridactyla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Glycinde nordmanni	2	2	4	11	3	0	0	0	0	0	1	0	0	0	4	4	0	0	0	0	2	0	0	0	2	0	0	0	0	0	1	0	1	0	0	1
Gnathia oxyuraea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gnathia sp.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia elongata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia vulgaris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goniada maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goniadella gracilis	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	4	0	0	0
*Goniodoris*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Goodallia triangularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium halecinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Harmothoe fragilis	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Harmothoe glabra	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0
Harmothoe impar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe ljungmani	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hesionura elongata	0	0	0	0	0	0	0	0	1	0	0	0	0	4	0	0	1	0	0	1	0	3	3	3	0	16	0	0	1	0	0	0	0	0	0	0
Heteroclymene robusta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hiatella arctica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte varians	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippomedon denticulatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrallmania falcata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Hydroides norvegica	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Hypereteone foliosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperoplus lanceolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inachus dorsettensis	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Inachus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphimedia minuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphinoe trispinosa	0	0	1	0	1	1	1	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	3	2
Jassa pusilla	0	0	0	0	0	0	6	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kefersteinia cirrata	0	1	0	1	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laevicardium crassum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lagis koreni	0	4	1	0	6	0	0	0	0	0	0	1	0	0	2	1	6	0	0	1	3	0	0	0	0	0	0	0	0	0	0	3	0	6	0	1	2
Lanice conchilega	0	2	0	0	2	0	0	0	0	0	0	0	0	8	6	1	0	0	0	0	5	0	0	1	0	0	0	0	1	1	6	0	1	0	2	7
Laonice bahusiensis	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lembos longipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Lembos*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Lepidepecreum longicorne	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidonotus squamatus	0	1	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Leptocheirus hirsutimanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptocheirus pilosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptochiton asellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepton squamosum	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta bergensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta inhaerens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Leptosynapta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leuckartiara octona	1	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	1	0	1	0	0	0	0	0	0	1	1	0	1	0	0	1	0	0
Leucosolenia botryoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucosolenia sp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Leucothoe incisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limaria hians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus depurator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Liocarcinus holsatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Liocarcinus marmoreus	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Liocarcinus pusillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus sp. Juv.	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liomesis ovum	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loxosoma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lumbrineris gracilis	1	2	1	9	0	0	0	0	0	1	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Lumbrineris latreilli	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Lumbrineris sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lyonsia norwegica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lysilla loveni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia rostrata	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Mactra stultorum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Maera othonis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maerella tenuimana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona alleni	0	0	2	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Magelona filiformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona johnstoni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Majidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maldanidae sp.	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Malmgrenia lunulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malmgrenia sp.	1	0	0	2	0	1	0	0	0	0	0	1	0	0	0	3	0	0	0	0	5	0	0	0	3	0	0	2	0	0	0	0	5	0	0	1
Marphysa bellii	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mediomastus fragilis	24	5	11	17	9	0	1	0	4	2	2	15	0	7	5	21	7	0	0	0	13	2	1	0	13	1	0	5	2	1	4	0	23	2	0	24
Megaluropus agilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Megamphopus cornutus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	6	0	0	0
Metridium senile	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Micromaldane ornithochaeta	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microphthalmus similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microprotopus maculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolarca tumida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolula phaseolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus modiolus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Moerella donacina	2	1	1	0	0	0	0	0	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Moerella pygmaea	0	0	0	1	2	1	2	2	0	0	2	2	0	6	0	0	0	2	4	1	0	5	17	24	7	14	1	0	1	0	0	2	0	1	0	0
Molgula sp.	1	0	1	0	1	0	0	0	0	0	1	2	0	1	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Musculus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0
Mya truncata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysella bidentata	6	6	1	13	2	0	0	0	0	0	5	3	0	0	0	18	0	0	0	1	111	0	0	0	7	0	1	1	0	5	3	0	2	0	2	3
Mysia undata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Mysta picta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nebalia bipes	2	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Necora puber	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda spp.	3	0	0	0	1	1	0	10	0	1	0	0	0	20	0	7	0	0	0	0	0	0	0	0	0	0	0	0	1	1	11	0	5	0	1	0
Nematonereis unicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertea spp.	2	1	6	10	16	2	1	0	0	0	0	3	1	2	15	22	16	5	2	2	13	0	4	6	6	3	1	8	5	4	6	0	6	11	1	30
Nemertesia antennina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertesia ramosa	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neoamphitrite affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys assimilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Nephtys cirrosa	1	0	0	0	8	7	5	6	6	0	1	0	0	5	1	0	2	13	14	7	0	12	2	8	1	15	5	12	3	3	0	4	0	4	21	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Nephtys kersivalensis	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys longosetosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys sp. (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereimyra punctata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis longissima	1	0	0	3	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Nereis pelagica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis zonata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Nicolea venustula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nothria conchylega	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notomastus latericeus	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	9	0	0	0	0	13	0	0	0	1	0	0	0	0	0	0	0	5	0	0	0
Notophyllum foliosum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucula nitidosa	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucula sp. (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranchia spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Odontosyllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oligochaeta spp.	0	0	0	0	0	0	0	0	5	0	1	0	0	4	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Onchidorididae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Onchidoris depressa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophelia borealis	1	0	8	0	15	18	9	10	4	0	0	1	1	2	0	0	8	5	10	13	3	12	2	2	28	3	5	31	11	5	0	2	1	32	1	0
Ophelina acuminata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiothrix fragilis	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Ophiura albida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Ophiura ophiura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Ophiura sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Ophiuridae sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophryotrocha puerilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opisthodonta pterochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orbinia sertulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Orchomene humilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene nanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Owenia fusiformis	0	3	1	13	1	0	0	1	0	0	0	4	1	2	8	4	3	3	0	13	1	1	0	0	1	0	0	2	3	2	2	0	2	0	1	4
Paguridae sp.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus bernhardus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus cuanensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalina brevirostris	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paradoneis lyra	0	5	9	30	0	1	0	0	2	0	1	0	1	3	2	5	4	0	0	0	6	4	8	1	2	6	0	0	0	0	1	0	0	0	0	1
Paramphitrite sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pariambus typicus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parougia caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parvicardium ovale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina cernua	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Pedicellina hispida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Pedicellina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perioculodes longimanus	0	1	0	0	2	0	0	0	1	0	0	0	0	2	0	0	0	2	0	0	0	0	0	2	1	1	0	1	0	2	1	0	0	2	1	2
Pharus legumen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phascolion strombus	3	0	1	2	0	0	0	0	0	1	5	3	0	0	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Phaxas pellucidus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Phialella quadrata	0	1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	1
Philine aperta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe baltica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe inornata	2	6	3	11	4	0	0	0	0	1	1	4	2	4	14	21	1	0	0	0	26	0	0	1	2	0	0	1	0	1	10	1	4	2	1	8
Phoronis muelleri	0	0	0	10	1	0	0	0	1	4	2	0	0	0	0	3	1	1	0	0	19	0	0	0	0	0	0	0	0	1	3	0	3	0	1	13
Phoronis sp.	27	0	6	4	0	0	0	0	0	0	0	0	0	0	30	4	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Photis longicaudata	0	12	1	35	0	0	0	0	0	1	0	0	0	1	2	4	0	0	0	0	5	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Phtisica marina	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phyllodoce groenlandica	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phyllodoce laminosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pilumnus hirtellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pinnotheres pisum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pirakia punctifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pisidia longicornis	0	22	0	0	0	0	0	9	0	9	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0
Pisione remota	3	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	14	0	0	0
Pista cristata	0	1	1	5	0	0	0	0	0	0	0	2	0	1	2	20	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	51	0	0	0
Plumularia setacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarke pallida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Podarke sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarkeopsis capensis	2	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
Pododesmus patelliformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Poecilochaetus serpens	0	4	0	1	18	1	0	0	0	0	0	0	0	1	16	9	8	0	1	0	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	33
Polinices pulchellus	2	1	1	1	3	0	1	0	1	0	0	2	0	0	5	1	2	0	1	0	0	1	0	1	1	1	2	0	0	5	1	1	4	1	0	2
Polycarpa fibrosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polyceridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Polycirrus medusa	9	0	1	0	6	0	0	2	0	0	0	5	0	0	1	14	10	2	1	2	4	3	1	0	15	1	2	9	3	3	0	0	12	1	0	0
Polycirrus sp.	9	2	0	2	1	4	2	0	1	1	0	10	4	7	1	23	1	1	0	0	10	0	0	1	0	0	0	1	0	0	7	0	10	0	0	3
Polycirrus sp. A	15	0	1	0	0	0	0	0	0	0	0	1	1	0	0	6	1	1	0	0	10	0	0	0	4	0	0	2	0	0	0	0	4	0	0	0
Polydora caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora caulleryi	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Polydora ciliata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora flava	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Polydora sp 1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius appendiculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0
Polygordius lacteus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polynoidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros lamarcki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros triqueter	0	54	7	7	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	42	0	1	0	0	0
Pontocrates altamarinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontocrates arenarius	2	0	2	0	0	0	0	0	0	1	0	0	3	3	0	0	1	0	0	0	0	2	2	1	2	1	0	0	0	0	0	0	0	3	0	0
Pontophilus bispinosus neglecta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pontophilus trispinosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Procerastea nematodes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Processa parva	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protodorvillea kefersteini	3	2	1	5	1	0	0	0	0	0	0	3	0	0	2	1	5	0	0	0	5	0	0	1	4	0	0	0	0	0	0	0	24	0	0	0
Protodrilus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Psammechinus miliaris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudocuma similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Pseudomystides limbata	0	0	0	0	2	0	0	3	0	0	0	0	0	2	0	0	0	1	0	0	0	3	4	1	1	3	0	0	1	0	0	1	0	0	0	0
Pseudoparatanais batei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudopolydora pulchra	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudoprotella phasma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudothyone raphanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sabella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sabellaria spinulosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagartia troglodytes	0	19	0	15	0	0	0	0	0	4	0	0	1	4	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0
Sagartiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saxicavella jeffreysi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scalibregma inflatum	0	2	0	22	0	0	0	0	0	0	0	1	0	0	2	14	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	1	0	2
Schistomeringos neglecta	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Schistomeringos rudolphi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schistomysis spiritus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schizomavella linearis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis (*Scolelepis*) *bonnieri*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis (*Scolelepis*) *squamata*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis foliosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis tridentata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	2	2	1	2	1	3	2	6	1	0	0	0	0	13	5	2	0	1	8	7	1	0	0	1	6	0	1	1	11	4	0	0	0	1	6
Sertularella gayi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Sertularella sp.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularia cupressina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0
Sigalion mathildae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solecurtus scopula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solenidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodoridium claparedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodorum gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeroma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis bulbosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Sphaerosyllis hystrix	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Spio armata	1	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0
Spio decorata	1	0	0	0	1	0	0	1	0	0	1	1	1	1	2	1	3	0	0	0	2	0	0	1	0	0	0	2	0	0	1	0	1	0	1	2
Spio filicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spio martinensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spionidae genus B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spiophanes bombyx	1	1	3	0	1	3	1	2	0	0	0	0	1	5	9	2	0	8	2	1	0	1	4	6	5	1	1	3	6	0	0	1	0	9	17	35
Spiophanes kroyeri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula elliptica	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	2	2	0	0	0	0	0	1	0	0	0	0	0
Spisula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula subtruncata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Sponge sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sponge sp. 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenothoe marina	0	0	0	0	0	0	1	9	0	1	0	0	0	1	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Sthenelais boa	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0
Sthenelais limicola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Streptosyllis websteri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllides sp. A	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	1	2	0	0	0	0	0	0	2	0	0	0
Syllidia armata	0	3	0	0	0	0	0	3	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	4	0	0	0	0	0
Syllis cornuta	2	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Syllis gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Synchelidium maculatum	1	1	4	0	1	0	0	1	0	0	0	0	0	4	0	0	1	0	2	0	1	2	2	0	1	0	0	0	0	0	0	0	0	1	0	2
Tanaopsis graciloides	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Tapes rhomboides	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0
Tellimya ferruginosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terebellidae sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Terebellides stroemi	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Tharyx killariensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thia scutellata	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
Thoralus cranchii	0	2	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thracia phaseolina	0	0	0	0	0	1	0	0	1	0	1	0	0	0	3	0	2	0	1	0	1	1	0	2	1	1	0	1	0	0	0	0	0	1	3	0
Thracia villosiuscula	3	1	1	0	2	0	0	0	1	1	3	3	3	0	2	0	2	0	1	1	1	3	0	1	6	3	0	0	1	0	0	0	0	1	0	0
Thyone fusus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0
Timoclea ovata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Tmetonyx similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Travisia forbesi	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	4	1	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0
Tricellaria sp.	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Tritonia sp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trypanosyllis zebra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubulanus annulatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia indivisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
Tubularia larynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Tubulipora*sp.	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Tunicata sp.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbicellepora avicularis	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
Unicola planipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upogebia deltaura	11	2	0	4	0	0	0	0	0	0	0	0	1	0	7	2	1	0	0	0	6	0	0	0	0	0	0	1	0	0	6	0	8	0	0	0
Upogebia stellata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urothoe elegans	9	3	20	1	2	0	0	0	2	8	4	12	0	1	7	1	3	0	0	1	9	1	0	0	12	0	0	1	6	21	0	4	3	10	0	10
Urothoe marina	53	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Urticina eques	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina felina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Veneridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Verruca stroemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	67	68.1	68.2	69	70	71	72	73	74	75.1	75.2	76	77	78	79	80	81	82	83	86	87	88	89.1	89.2	90	92	94	95.1	95.2	96	97	98	99	100	101	102
Virgularia mirabilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	103	104	105	106	107	108	108	109	110	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124
Abietinaria abietina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abietinaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abludomelita obtusata	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	1	0	0	0	0	0	3
Abra alba	0	0	0	0	5	0	0	0	13	0	0	1	0	11	0	0	0	0	0	0	0	0	0	13
Abra nitida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra prismatica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achaeus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achelia echinata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acholoe squamosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acidostoma obesum	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Acteon tornatilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Actinaria	1	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	3	4	0	0	0	0	0	4
Adamsia carciniopados	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adyte pellucida	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Aeolidia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aequipecten opercularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aglaophamus rubella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium diaphanum	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium sp.	0	0	1	0	1	1	0	0	0	1	1	0	0	0	0	0	1	1	1	0	0	0	1	1
Alcyonium digitatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alentia gelatinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes tobianus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Ampelisca brevicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca diadema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca spinipes	0	0	0	0	2	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca tenuicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca typica	0	0	0	0	3	0	0	0	2	2	0	0	0	0	0	0	1	0	0	0	0	1	1	2
Ampharete lindstroemi	0	0	0	0	9	0	0	0	24	11	0	0	0	22	0	0	0	0	0	0	0	0	0	14
Amphictene auricoma	0	0	0	0	0	0	0	0	1	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Amphilocus neapolitanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipholis squamata	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphitritides gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura brachiata	0	0	0	5	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Amphiura filiformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	2	0	0	1	0	0	2
Anaitides lineata	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides longipes	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Anaitides mucosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides rosea	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anapagurus laevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anomiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anoplodactylus petiolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anthura gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aonides oxycephala	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	1
Aonides paucibranchiata	3	0	0	1	6	0	1	2	18	21	4	0	0	15	0	0	0	0	0	0	1	0	1	9
Aora gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aora sp.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Aoridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Aphelochaeta multibranchiis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphelochaeta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apherusa bispinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphrodita aculeata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arcopagia crassa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Argissa hamatipes	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
Aricidea cerrutii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aricidea minuta	0	1	0	0	0	1	1	2	0	0	0	0	7	0	0	0	0	0	1	0	0	0	0	0
Aricidea sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia conchilega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidiella aspersa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ascidiella*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asterias rubens	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Astropecten irregularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus falcatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus swammerdami	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus vedlomensis	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Autolytus aurantiacus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Autolytus edwarsi	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Autolytus prolifera	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Axiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus balanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus crenatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Barnea candida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bathyporeia elegans	0	2	5	0	0	4	0	1	0	0	1	5	0	0	1	5	7	3	4	2	4	0	0	0
Bathyporeia guilliamsoniana	12	19	12	0	0	16	29	0	0	0	11	2	0	0	27	12	8	5	20	22	17	7	5	0

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Bispira voluticornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bodotria scorpioides	1	0	0	0	1	0	0	0	2	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Bougainvillia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Branchiostoma lanceolatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bugula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callianassa subterranea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callianassidae sp.	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calliostoma zizyphinum	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callopora dumerilii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calycella syringa	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Campanulariidae	1	0	1	1	1	0	0	0	1	1	1	0	0	1	1	0	0	1	1	0	0	0	0	0
Caulleriella alata	0	0	0	0	1	0	0	0	2	0	0	0	0	7	1	1	1	0	1	0	0	0	0	3
Caulleriella zetlandica	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Celleporina hassallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ceradocus semiserratus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerianthus lloydii	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Chaetopterus variopedatus	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chaetozone setosa type B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus intermedius	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus sundevallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlamys varia	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Chone duneri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chone fauveli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chorizopora brongniartii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ciona intestinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirratulus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Cirrophorus branchiatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clausinella fasciata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clymenura borealis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clytia hemisphaerica	0	0	1	1	1	0	0	0	14	3	1	1	0	0	0	0	0	1	0	0	0	0	0	1
Conilera cylindracea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conopeum reticulum	1	0	0	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Corbula gibba	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corophium bonnellii	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corophium sextonae	3	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0
Corystes cassivelaunus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crangon allmanni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
Crangon crangon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cribrilina punctata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crisia eburnea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crisia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cylichna cylindracea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demonax cambrensis	0	0	0	0	3	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
Dendrodoa grossularia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diastylis bradyi	0	1	0	0	0	2	0	0	0	0	1	3	2	0	0	0	0	0	1	4	0	2	1	0
Diastylis laevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diplecogaster bimaculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dodecaceria concharum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Donax vittatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Dosinia exoleta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia lupinus	0	0	0	1	0	0	0	0	1	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0
Dosinia sp.	0	1	4	0	1	2	2	0	1	0	2	2	0	0	1	0	0	0	0	1	1	2	2	0
*Dotos*p.	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Ebalia tuberosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tumefacta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ebalia*sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinidae sp.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Echinocardium cordatum	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Echinocyamus pusillus	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Edwardsia claparedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Edwardsia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ehlersia cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electra pilosa	0	0	0	1	1	0	0	0	1	1	1	0	0	1	0	0	1	0	0	0	0	0	0	1
Embletonia pulchra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Enipo elisabethae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis arcuatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Ensis ensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis sp. Damaged	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Epilepton clarkiae	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ericthonius punctatus	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Escharella immersa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eteone longa/flava (agg.)	0	0	1	3	2	0	0	0	3	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Eubranchus sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euchone rubrocincta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euclymene lumbricoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eulalia expusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eulalia mustela	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumida bahusiensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumida sanguinea	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	1
Eumida sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Eunice pennata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eurynome aspera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eusyllis blomstrandi	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Exogone hebes	1	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
Exogone naidina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exogone verugera	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0
Fabulina fabula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flabelligera affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flustra foliacea	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Folliculinidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathea intermedia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathowenia sp.	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gammaropsis maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gammaropsis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gari fervensis	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastrosaccus sanctus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastrosaccus spinifer	0	1	2	0	0	0	4	2	0	0	7	3	1	0	0	0	4	1	1	2	2	1	1	0
Gattyana cirrosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gibbula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera alba	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Glycera lapidum	0	0	0	0	3	0	1	0	4	6	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Glycera oxycephala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera rouxii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera tridactyla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycinde nordmanni	0	0	0	1	5	0	0	0	1	3	0	0	0	3	0	0	0	0	0	0	0	0	0	1
Gnathia oxyuraea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Gnathia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia elongata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia vulgaris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goniada maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goniadella gracilis	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Goniodoris*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goodallia triangularis	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium halecinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe fragilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe glabra	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe impar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe ljungmani	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hesionura elongata	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	9	0	7	0
Heteroclymene robusta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hiatella arctica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte varians	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippomedon denticulatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrallmania falcata	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Hydroides norvegica	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Hypereteone foliosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperoplus lanceolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inachus dorsettensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Inachus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphimedia minuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Iphinoe trispinosa	0	0	0	0	0	2	0	0	0	0	2	1	1	0	0	0	0	2	0	0	1	1	0	0
Jassa pusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kefersteinia cirrata	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Laevicardium crassum	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Lagis koreni	0	0	0	2	6	0	0	0	14	4	0	1	0	0	0	0	0	0	0	0	0	0	0	17
Lanice conchilega	0	0	0	2	11	0	0	0	3	3	0	1	0	5	0	0	0	0	0	0	1	0	0	3
Laonice bahusiensis	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lembos longipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Lembos*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidepecreum longicorne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	2	0	0
Lepidonotus squamatus	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Leptocheirus hirsutimanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptocheirus pilosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptochiton asellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepton squamosum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta bergensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta inhaerens	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Leptosynapta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leuckartiara octona	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
Leucosolenia botryoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucosolenia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucothoe incisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limaria hians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus depurator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus holsatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus marmoreus	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus pusillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Liocarcinus sp. Juv.	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	5
Liomesis ovum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loxosoma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lumbrineris gracilis	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
Lumbrineris latreilli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lumbrineris sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lyonsia norwegica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lysilla loveni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia rostrata	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mactra stultorum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maera othonis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maerella tenuimana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona alleni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona filiformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona johnstoni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Majidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maldanidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malmgrenia lunulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malmgrenia sp.	0	0	0	2	2	0	0	0	2	2	0	0	0	2	0	0	0	0	0	0	0	0	0	3
Marphysa bellii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mediomastus fragilis	9	2	2	9	12	0	0	0	20	23	2	1	0	26	3	1	0	0	0	3	0	0	1	38
Megaluropus agilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0
Megamphopus cornutus	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	2
Metridium senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0
Micromaldane ornithochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microphthalmus similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microprotopus maculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolarca tumida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolula phaseolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Modiolus modiolus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moerella donacina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moerella pygmaea	0	0	0	0	0	1	2	4	0	0	3	1	3	0	0	3	1	0	1	2	6	0	8	0
Molgula sp.	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Musculus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya truncata	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Mysella bidentata	1	0	1	11	1	1	0	0	10	17	0	0	0	4	1	3	0	0	0	0	0	0	0	47
Mysia undata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysta picta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nebalia bipes	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Necora puber	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	2	0	0	1	0	2	0
Nematonereis unicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertea spp.	10	8	0	11	6	8	6	2	20	11	1	7	6	12	2	0	0	0	0	7	10	1	4	36
Nemertesia antennina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertesia ramosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neoamphitrite affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys assimilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys cirrosa	3	12	13	4	3	12	15	11	0	0	18	19	20	1	8	11	6	2	14	16	22	21	16	1
Nephtys hombergii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys kersivalensis	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Nephtys longosetosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys sp. (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereimyra punctata	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis longissima	0	0	0	0	0	0	0	0	3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	10

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Nereis pelagica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis zonata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nicolea venustula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nothria conchylega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notomastus latericeus	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
Notophyllum foliosum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucula nitidosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucula sp. (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranchia spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Odontosyllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oligochaeta spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	2	0
Onchidoridae sp.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Onchidoris depressa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophelia borealis	4	12	2	3	4	8	15	2	0	0	11	22	7	0	4	11	2	1	8	25	26	0	2	0
Ophelina acuminata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiothrix fragilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura affinis	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura albida	0	0	0	3	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Ophiura ophiura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura sp. Juv.	0	0	0	0	3	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
Ophiuridae sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophryotrocha puerilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opisthodonta pterochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orbinia sertulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene humilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene nanus	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Owenia fusiformis	0	0	0	2	3	0	0	0	1	0	1	0	0	4	0	0	0	0	0	0	0	0	0	4
Paguridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Pagurus bernhardus	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus cuanensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalina brevirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paradoneis lyra	1	0	0	2	0	0	0	1	0	2	0	0	0	15	2	0	0	0	1	0	0	0	0	0
Paramphitrite sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pariambus typicus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parougia caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parvicardium ovale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina cernua	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina hispida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perioculodes longimanus	2	0	2	0	0	1	1	0	0	0	0	2	0	0	0	1	0	0	1	0	0	0	0	0
Pharus legumen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phascolion strombus	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phaxas pellucidus	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phialella quadrata	0	0	1	1	1	1	1	0	0	0	0	1	0	0	1	0	0	0	1	1	1	0	0	0
Philine aperta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe baltica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe inornata	1	0	0	1	2	0	0	0	5	4	0	0	0	8	0	0	0	0	0	0	0	0	0	5
Phoronis muelleri	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Phoronis sp.	1	0	0	11	0	0	0	0	33	31	0	0	0	7	15	0	0	0	0	0	0	0	0	0
Photis longicaudata	2	0	0	0	1	0	0	0	2	8	0	0	0	4	0	0	0	0	0	0	0	0	0	2
Phtisica marina	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phyllodoce groenlandica	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phyllodoce laminosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pilumnus hirtellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pinnotheres pisum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Pirakia punctifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pisidia longicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pisione remota	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Pista cristata	0	0	0	0	4	0	0	0	1	2	0	0	0	12	0	0	0	0	0	0	0	0	0	0
Plumularia setacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarke pallida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarke sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarkeopsis capensis	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Pododesmus patelliformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poecilochaetus serpens	1	0	1	15	50	0	0	0	12	1	1	0	0	9	0	0	0	0	0	2	0	0	0	10
Polinices pulchellus	2	0	0	1	4	1	1	0	0	4	1	0	2	2	1	0	0	0	0	2	2	0	1	4
Polycarpa fibrosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Polyceridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polycirrus medusa	0	3	2	13	11	1	0	0	7	5	6	12	0	5	0	1	1	0	0	42	10	1	0	47
Polycirrus sp.	0	0	1	0	2	0	0	0	7	2	0	0	0	2	1	0	0	0	2	0	1	0	0	0
Polycirrus sp. A	0	0	0	0	0	0	0	0	6	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0
Polydora caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora caulleryi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora ciliata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora flava	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora sp 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius appendiculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius lacteus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polynoidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros lamarcki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros triqueter	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0

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Pontocrates altamarinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontocrates arenarius	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
Pontophilus bispinosus neglecta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontophilus trispinosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Procerastea nematodes	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Processa parva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protodorvillea kefersteini	0	0	0	0	0	0	0	0	11	18	0	2	0	1	0	0	1	0	0	1	3	0	0	14
Protodrilus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Psammechinus miliaris	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Pseudocuma similis	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
Pseudomystides limbata	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0
Pseudoparatanais batei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudopolydora pulchra	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudoprotella phasma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudothyone raphanus	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Sabella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sabellaria spinulosa	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Sagartia troglodytes	1	0	0	0	0	1	0	0	0	1	0	0	0	16	0	0	0	1	0	0	0	0	1	52
Sagartiidae sp.	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saxicavella jeffreysi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scalibregma inflatum	0	0	0	0	2	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0
Schistomeringos neglecta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Schistomeringos rudolphi	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schistomysis spiritus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schizomavella linearis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis (*Scolelepis*) *bonnieri*	0	0	0	0	0	0	0	1	0	0	0	2	5	0	0	0	0	0	0	0	0	0	0	0
Scolelepis (*Scolelepis*) *squamata*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis foliosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis tridentata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scoloplos armiger	11	0	0	3	4	6	4	2	0	0	2	0	1	18	2	1	1	0	1	0	0	0	0	4

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Sertularella gayi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularia cupressina	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Sigalion mathildae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solecurtus scopula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solenidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodoridium claparedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodorum gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeroma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis bulbosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis hystrix	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spio armata	0	0	0	0	0	1	1	2	0	0	1	2	1	0	0	0	0	0	1	0	1	0	1	0
Spio decorata	0	1	0	1	5	0	0	0	0	4	0	0	0	12	2	0	0	0	0	0	0	0	0	2
Spio filicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spio martinensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spionidae genus B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spiophanes bombyx	0	3	1	13	1	2	6	1	0	0	4	8	8	3	3	2	0	1	0	3	7	0	3	0
Spiophanes kroyeri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula elliptica	0	0	0	0	0	0	0	0	1	3	1	0	3	0	0	0	0	0	0	0	1	3	2	0
Spisula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula subtruncata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sponge sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sponge sp. 1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenothoe marina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
Sthenelais boa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sthenelais limicola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Streptosyllis websteri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllides sp. A	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	1

Site Number	103	104	105	106	107	108	108	109	110	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124
Syllidia armata	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Syllis cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Synchelidium maculatum	1	0	0	0	0	0	1	0	0	0	1	1	0	0	1	0	1	1	1	0	0	0	0	0
Tanaopsis graciloides	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tapes rhomboides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tellimya ferruginosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terebellidae sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	6	0
Terebellides stroemi	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tharyx killariensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thia scutellata	0	1	1	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	2	0	1	2	2	0
Thoralus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thracia phaseolina	1	3	0	0	2	1	2	0	0	0	1	3	7	0	1	0	0	0	0	0	3	1	1	0
Thracia villosiuscula	0	0	0	0	2	0	1	1	0	2	1	1	1	0	0	0	0	0	0	0	4	0	2	2
Thyone fusus	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Timoclea ovata	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Tmetonyx similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Travisia forbesi	0	3	0	0	0	7	2	0	0	0	0	1	1	0	1	1	0	0	3	5	0	0	0	0
Tricellaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tritonia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trypanosyllis zebra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubulanus annulatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia indivisa	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Tubularia larynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Tubuliporas*p.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tunicata sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	103	104	105	106	107	108	108	109	110	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124
Turbicellepora avicularis	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unicola planipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upogebia deltaura	2	0	0	3	7	0	0	0	6	3	0	0	0	9	0	0	1	0	0	0	0	0	0	0
Upogebia stellata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urothoe elegans	65	2	0	17	13	0	0	0	10	4	0	0	0	0	1	0	0	1	0	2	0	0	0	3
Urothoe marina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina eques	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina felina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Veneridae	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Verruca stroemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Virgularia mirabilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145.1	145.2	146	147	148	149	150	151	152	153	154	155	156.1	156.2	157	158
Abietinaria abietina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abietinaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abludomelita obtusata	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	6	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Abra alba	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Abra nitida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra prismatica	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra sp. Juv.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achaeus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achelia echinata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acholoe squamosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acidostoma obesum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acteon tornatilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Actinaria	2	0	0	0	0	2	0	4	0	1	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Adamsia carciniopados	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adyte pellucida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145.1	145.2	146	147	148	149	150	151	152	153	154	155	156.1	156.2	157	158
*Aeolidia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aequipecten opercularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aglaophamus rubella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium diaphanum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonium digitatum	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Alentia gelatinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes tobianus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca brevicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca diadema	0	4	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca spinipes	0	1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca tenuicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca typica	0	0	0	0	1	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampharete lindstroemi	0	10	0	0	0	2	0	13	5	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphictene auricoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphilocus neapolitanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipholis squamata	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphitritides gracilis	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura brachiata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura filiformis	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Amphiura sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides lineata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides longipes	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides mucosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides rosea	0	0	0	0	7	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Anapagurus laevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Anomiidae sp.	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anoplodactylus petiolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145.1	145.2	146	147	148	149	150	151	152	153	154	155	156.1	156.2	157	158
Anthura gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aonides oxycephala	0	0	0	0	0	0	0	1	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aonides paucibranchiata	5	8	14	0	18	0	0	7	0	11	0	1	0	0	5	8	3	4	1	0	1	0	0	0	0	0	1	0	27	4	6	0	0	2	0	0
Aora gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aora sp.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aoridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphelochaeta multibranchiis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphelochaeta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apherusa bispinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphrodita aculeata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Arcopagia crassa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Argissa hamatipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aricidea cerrutii	2	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0
Aricidea minuta	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Aricidea sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia conchilega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidiella aspersa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
*Ascidiella*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asterias rubens	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Astropecten irregularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus falcatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus swammerdami	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus vedlomensis	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Autolytus aurantiacus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Autolytus edwarsi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Autolytus prolifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Axiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus balanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145.1	145.2	146	147	148	149	150	151	152	153	154	155	156.1	156.2	157	158
Balanus crenatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Barnea candida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bathyporeia elegans	3	0	0	3	0	0	5	0	0	0	0	1	4	5	0	0	0	0	2	0	1	0	0	2	8	13	0	0	0	0	0	0	1	4	0	1
Bathyporeia guilliamsoniana	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	28	0	0	0	0	0	0	0	0	0	0
Bispira voluticornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bodotria scorpioides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bougainvillia sp.	0	0	2	2	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Branchiostoma lanceolatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bugula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callianassa subterranea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callianassidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calliostoma zizyphinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callopora dumerilii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calycella syringa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Campanulariidae	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Caulleriella alata	0	0	0	0	1	0	0	2	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1
Caulleriella zetlandica	1	4	0	0	3	0	0	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Celleporina hassallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ceradocus semiserratus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerianthus lloydii	0	0	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chaetopterus variopedatus	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chaetozone setosa type B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus intermedius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus sundevallii	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Chlamys varia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chone duneri	0	3	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chone fauveli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chorizopora brongniartii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

Site Number	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145.1	145.2	146	147	148	149	150	151	152	153	154	155	156.1	156.2	157	158
Ciona intestinalis	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirratulus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirrophorus branchiatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clausinella fasciata	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Clymenura borealis	0	5	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	3	0	2	0	0	0	0	0
Clytia hemisphaerica	0	1	1	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conilera cylindracea	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conopeum reticulum	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Corbula gibba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corophium bonnellii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corophium sextonae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corystes cassivelaunus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Crangon allmanni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crangon crangon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cribrilina punctata	1	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crisia eburnea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crisia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cylichna cylindracea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demonax cambrensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dendrodoa grossularia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diastylis bradyi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diastylis laevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diplecogaster bimaculata	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dodecaceria concharum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Donax vittatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia exoleta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia lupinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia sp.	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	3	0	5	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0
Dotosp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145.1	145.2	146	147	148	149	150	151	152	153	154	155	156.1	156.2	157	158
Ebalia cranchii	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tuberosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tumefacta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ebalia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinidae sp.	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinocardium cordatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinocyamus pusillus	0	2	1	0	0	1	0	6	0	0	0	0	1	0	0	0	2	1	0	0	0	1	0	0	0	0	5	0	0	0	1	3	0	3	1	0
Edwardsia claparedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Edwardsia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ehlersia cornuta	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Electra pilosa	1	0	0	0	0	1	0	0	0	1	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
Embletonia pulchra	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Enipo elisabethae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis arcuatus	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis ensis	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis sp. Damaged	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Epilepton clarkiae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ericthonius punctatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Escharella immersa	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eteone longa/flava (agg.)	0	5	0	0	1	1	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	2	0	0	0	0	1	1	0
Eubranchus sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euchone rubrocincta	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euclymene lumbricoides	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eulalia expusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eulalia mustela	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumida bahusiensis	1	4	0	0	0	4	0	4	2	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	1	0	0	1	2	0	1	0	0	0
Eumida sanguinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Eumida sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eunice pennata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145.1	145.2	146	147	148	149	150	151	152	153	154	155	156.1	156.2	157	158
Eurynome aspera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eusyllis blomstrandi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exogone hebes	16	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	6	0	6	0	2	0	12	0	0	0	0	0	1	0	0	0	0	1
Exogone naidina	0	0	0	2	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	2	0	0
Exogone verugera	2	3	1	0	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Fabulina fabula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flabelligera affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flustra foliacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Folliculinidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathea intermedia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathowenia sp.	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gammaropsis maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gammaropsis sp.	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gari fervensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastrosaccus sanctus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastrosaccus spinifer	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gattyana cirrosa	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gibbula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera alba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera lapidum	1	4	0	0	2	0	0	4	2	2	0	0	0	0	1	0	0	4	0	0	0	0	0	0	0	0	0	0	5	1	1	0	0	0	0	0
Glycera oxycephala	5	0	2	1	0	0	0	0	0	0	2	6	0	1	0	0	0	2	1	1	2	0	1	2	0	0	1	0	0	0	0	0	1	2	0	4
Glycera rouxii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Glycera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Glycera tridactyla	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycinde nordmanni	0	1	0	0	2	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0
Gnathia oxyuraea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gnathia sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
Golfingia elongata	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145.1	145.2	146	147	148	149	150	151	152	153	154	155	156.1	156.2	157	158
Golfingia vulgaris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goniada maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goniadella gracilis	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
*Goniodoris*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goodallia triangularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium halecinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe fragilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe glabra	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe impar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe ljungmani	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hesionura elongata	3	0	1	0	0	0	0	0	0	1	1	2	0	1	0	0	0	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Heteroclymene robusta	0	7	0	0	7	0	0	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
Hiatella arctica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte varians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippomedon denticulatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Hydrallmania falcata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydroides norvegica	0	28	3	0	0	0	0	12	2	0	0	0	0	0	12	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	4	0	0	0	0	0
Hypereteone foliosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperoplus lanceolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inachus dorsettensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Inachus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphimedia minuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphinoe trispinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jassa pusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kefersteinia cirrata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laevicardium crassum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145.1	145.2	146	147	148	149	150	151	152	153	154	155	156.1	156.2	157	158
Lagis koreni	0	2	0	0	0	2	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lanice conchilega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laonice bahusiensis	0	4	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lembos longipes	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
*Lembos*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidepecreum longicorne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Lepidonotus squamatus	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptocheirus hirsutimanus	0	0	0	0	2	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptocheirus pilosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptochiton asellus	0	4	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepton squamosum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta bergensis	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta inhaerens	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Leptosynapta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leuckartiara octona	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucosolenia botryoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucosolenia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucothoe incisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Limaria hians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus depurator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus holsatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus marmoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus pusillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liomesis ovum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loxosoma sp.	1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	1	0	1	0	1
Lumbrineris gracilis	0	5	1	0	3	0	0	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	1	0	0	0	0	0
Lumbrineris latreilli	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lumbrineris sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145.1	145.2	146	147	148	149	150	151	152	153	154	155	156.1	156.2	157	158
Lyonsia norwegica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lysilla loveni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia rostrata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mactra stultorum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maera othonis	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maerella tenuimana	0	0	1	0	0	0	0	0	2	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona alleni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona filiformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona johnstoni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Majidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maldanidae sp.	1	0	1	0	0	0	0	2	4	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Malmgrenia lunulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malmgrenia sp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Marphysa bellii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mediomastus fragilis	3	3	0	0	2	1	0	0	3	3	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2	0	0	2	0	0	0
Megaluropus agilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Megamphopus cornutus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Metridium senile	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Micromaldane ornithochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Microphthalmus similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microprotopus maculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolarca tumida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolula phaseolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus modiolus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moerella donacina	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Moerella pygmaea	4	0	0	2	0	1	1	0	0	1	1	0	11	3	0	0	0	3	1	1	5	0	4	15	6	4	3	0	1	0	0	1	1	7	4	2
Molgula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Musculus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145.1	145.2	146	147	148	149	150	151	152	153	154	155	156.1	156.2	157	158
Mya sp. Juv.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya truncata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysella bidentata	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysia undata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysta picta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nebalia bipes	0	0	0	0	0	0	0	1	2	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0
Necora puber	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda spp.	0	0	0	0	0	4	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematonereis unicornis	1	0	0	0	1	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Nemertea spp.	4	17	7	3	13	4	4	15	13	2	0	2	2	4	1	0	0	0	4	0	0	2	0	2	0	3	2	0	1	0	2	0	2	5	0	0
Nemertesia antennina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertesia ramosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neoamphitrite affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys assimilis	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys caeca	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys cirrosa	5	0	2	5	0	9	9	0	0	0	2	5	2	6	0	0	0	5	11	9	5	9	6	9	7	8	0	0	0	1	0	0	11	5	1	7
Nephtys hombergii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys kersivalensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys longosetosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys sp. (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereimyra punctata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis longissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis pelagica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis zonata	0	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nicolea venustula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nothria conchylega	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notomastus latericeus	0	2	0	0	1	0	0	0	4	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Notophyllum foliosum	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucula nitidosa	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145.1	145.2	146	147	148	149	150	151	152	153	154	155	156.1	156.2	157	158
Nucula sp. (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranchia spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Odontosyllis sp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oligochaeta spp.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Onchidorididae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onchidoris depressa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophelia borealis	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	1	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0
Ophelina acuminata	0	1	0	0	1	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Ophiothrix fragilis	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Ophiura albida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Ophiura ophiura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Ophiura sp. Juv.	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiuridae sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophryotrocha puerilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opisthodonta pterochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orbinia sertulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene humilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene nanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Owenia fusiformis	0	3	0	0	4	0	0	7	2	1	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	1	2	4	2	1	0	0	0	0
Paguridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus bernhardus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus cuanensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalina brevirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paradoneis lyra	2	9	2	0	4	0	1	1	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0
Paramphitrite sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pariambus typicus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parougia caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parvicardium ovale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145.1	145.2	146	147	148	149	150	151	152	153	154	155	156.1	156.2	157	158
Pedicellina cernua	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina hispida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perioculodes longimanus	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Pharus legumen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phascolion strombus	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Phaxas pellucidus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phialella quadrata	1	1	1	1	0	1	1	0	1	0	0	1	0	1	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1	1	1	1	1
Philine aperta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe baltica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe inornata	0	0	0	0	1	0	0	1	4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phoronis muelleri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phoronis sp.	0	0	0	0	12	0	0	8	9	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	1	2	0	0	0	0	0	0
Photis longicaudata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phtisica marina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phyllodoce groenlandica	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0
Phyllodoce laminosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pilumnus hirtellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pinnotheres pisum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pirakia punctifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pisidia longicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pisione remota	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Pista cristata	0	1	2	0	1	0	0	0	4	2	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0
Plumularia setacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarke pallida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarke sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarkeopsis capensis	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pododesmus patelliformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poecilochaetus serpens	0	2	0	0	9	36	3	4	16	0	0	0	0	0	3	1	0	0	17	1	0	24	1	0	0	0	0	0	0	0	1	0	59	8	0	0

Site Number	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145.1	145.2	146	147	148	149	150	151	152	153	154	155	156.1	156.2	157	158
Polinices pulchellus	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Polycarpa fibrosa	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polyceridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polycirrus medusa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polycirrus sp.	0	0	3	0	2	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	1	0	0
Polycirrus sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora caulleryi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora ciliata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora flava	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Polydora sp 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora sp.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius appendiculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius lacteus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polynoidae sp.	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros lamarcki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros triqueter	26	185	7	0	0	2	0	24	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontocrates altamarinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontocrates arenarius	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Pontophilus bispinosus neglecta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontophilus trispinosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Procerastea nematodes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Processa parva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protodorvillea kefersteini	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protodrilus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Psammechinus miliaris	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudocuma similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145.1	145.2	146	147	148	149	150	151	152	153	154	155	156.1	156.2	157	158
Pseudomystides limbata	2	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	1	0	3	0	1	1	0	0	0	0	0	0	0	0	3	2	0	3
Pseudoparatanais batei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudopolydora pulchra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudoprotella phasma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudothyone raphanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sabella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sabellaria spinulosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagartia troglodytes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagartiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saxicavella jeffreysi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scalibregma inflatum	0	4	1	0	3	1	0	9	10	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Schistomeringos neglecta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schistomeringos rudolphi	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schistomysis spiritus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schizomavella linearis	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis (*Scolelepis*) *bonnieri*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis (*Scolelepis*) *squamata*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Scolelepis foliosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis tridentata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	2	0	0	5	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	1	0	0	1	1	3	0	2	2	0	0
Sertularella gayi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularia cupressina	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sigalion mathildae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solecurtus scopula	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solenidae sp.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodoridium claparedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodorum gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeroma sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145.1	145.2	146	147	148	149	150	151	152	153	154	155	156.1	156.2	157	158
Sphaerosyllis bulbosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis hystrix	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0
Sphaerosyllis sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spio armata	1	0	0	2	1	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
Spio decorata	0	0	1	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0
Spio filicornis	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spio martinensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spionidae genus B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spiophanes bombyx	0	6	1	5	71	25	17	1	10	0	0	0	3	2	0	4	0	0	9	4	2	15	1	3	6	13	0	0	1	1	9	0	10	5	0	1
Spiophanes kroyeri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula elliptica	0	1	2	0	0	0	0	4	3	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Spisula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula subtruncata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sponge sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Sponge sp. 1	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Stenothoe marina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sthenelais boa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sthenelais limicola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Streptosyllis websteri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllides sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllidia armata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Synchelidium maculatum	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tanaopsis graciloides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tapes rhomboides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tellimya ferruginosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145.1	145.2	146	147	148	149	150	151	152	153	154	155	156.1	156.2	157	158
Terebellidae sp. Juv.	3	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	1	1	0	0	0	1	1	0	0	1	0	0	0	1	0	0	0	0	1
Terebellides stroemi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tharyx killariensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thia scutellata	3	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thoralus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thracia phaseolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thracia villosiuscula	0	1	2	0	0	0	0	0	0	3	0	0	0	0	0	0	0	1	7	0	0	1	0	0	0	1	0	0	1	0	0	0	2	3	0	0
Thyone fusus	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Timoclea ovata	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tmetonyx similis	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Travisia forbesi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tricellaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tritonia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trypanosyllis zebra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0
Tubulanus annulatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia indivisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia larynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia sp.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Tubulipora*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tunicata sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbicellepora avicularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unicola planipes	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Upogebia deltaura	0	1	0	0	2	0	0	2	8	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Upogebia stellata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urothoe elegans	0	3	0	0	3	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urothoe marina	0	15	1	0	12	1	0	8	24	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	1	0	0	0	14	0	3	0	0	0	0	0
Urticina eques	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Site Number	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145.1	145.2	146	147	148	149	150	151	152	153	154	155	156.1	156.2	157	158
Urticina felina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Veneridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Verruca stroemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Virgularia mirabilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	159	160	161	162	163	164	165	166.1	166.2	167	168	169	170	171	172	173	174	175	176.1	176.2	177	178	179	180	181	182	183	184	185.1	185.2	186	187	188	189	190	191
Abietinaria abietina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abietinaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abludomelita obtusata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Abra alba	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra nitida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra prismatica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achaeus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achelia echinata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acholoe squamosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acidostoma obesum	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acteon tornatilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Actinaria	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Adamsia carciniopados	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adyte pellucida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Aeolidia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aequipecten opercularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aglaophamus rubella	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium diaphanum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	159	160	161	162	163	164	165	166.1	166.2	167	168	169	170	171	172	173	174	175	176.1	176.2	177	178	179	180	181	182	183	184	185.1	185.2	186	187	188	189	190	191
Alcyonidium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Alcyonium digitatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
Alentia gelatinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes tobianus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca brevicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca diadema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca spinipes	0	0	0	0	0	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
Ampelisca tenuicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca typica	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Ampharete lindstroemi	0	0	0	0	0	2	19	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	1	0	6	0	0	0	0	0	0	0
Amphictene auricoma	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Amphilocus neapolitanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipholis squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Amphitritides gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura brachiata	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura filiformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura sp. Juv.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides lineata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides longipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Anaitides mucosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides rosea	0	0	0	0	2	2	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0
Anapagurus laevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anomiidae sp.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anoplodactylus petiolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anthura gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aonides oxycephala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Aonides paucibranchiata	0	0	0	0	0	2	6	9	7	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	3	11	0	1	1	0	0	0	0	0
Aora gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	159	160	161	162	163	164	165	166.1	166.2	167	168	169	170	171	172	173	174	175	176.1	176.2	177	178	179	180	181	182	183	184	185.1	185.2	186	187	188	189	190	191
Aora sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aoridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphelochaeta multibranchiis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphelochaeta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apherusa bispinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Aphrodita aculeata	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arcopagia crassa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Argissa hamatipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aricidea cerrutii	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	2	3	0	0	0	0	0
Aricidea minuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Aricidea sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia conchilega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Ascidiella aspersa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ascidiella*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asterias rubens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Astropecten irregularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus falcatus	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0
Atylus swammerdami	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus vedlomensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Autolytus aurantiacus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Autolytus edwarsi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Autolytus prolifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Axiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus balanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus crenatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Barnea candida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bathyporeia elegans	0	0	9	0	11	0	0	0	0	0	0	0	0	0	2	0	0	9	3	7	10	5	0	0	0	0	0	0	0	0	1	7	0	2	1	3
Bathyporeia guilliamsoniana	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	24	24	0	0	0	0	0	0	0	0	0	0	0	0	11	1

Site Number	159	160	161	162	163	164	165	166.1	166.2	167	168	169	170	171	172	173	174	175	176.1	176.2	177	178	179	180	181	182	183	184	185.1	185.2	186	187	188	189	190	191
Bispira voluticornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bodotria scorpioides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bougainvillia sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Branchiostoma lanceolatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bugula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callianassa subterranea	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Callianassidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calliostoma zizyphinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callopora dumerilii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Calycella syringa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Campanulariidae	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Caulleriella alata	0	0	0	0	0	1	3	3	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	4	2	0	2	0	0	0	0	0	0
Caulleriella zetlandica	0	0	0	0	0	2	0	1	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
Celleporina hassallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ceradocus semiserratus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerianthus lloydii	0	0	0	0	0	0	5	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0
Chaetopterus variopedatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chaetozone setosa type B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Cheirocratus intermedius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus sundevallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlamys varia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chone duneri	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chone fauveli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chorizopora brongniartii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ciona intestinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirratulus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirrophorus branchiatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clausinella fasciata	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	159	160	161	162	163	164	165	166.1	166.2	167	168	169	170	171	172	173	174	175	176.1	176.2	177	178	179	180	181	182	183	184	185.1	185.2	186	187	188	189	190	191
Clymenura borealis	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Clytia hemisphaerica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conilera cylindracea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conopeum reticulum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Corbula gibba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corophium bonnellii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corophium sextonae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Corystes cassivelaunus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crangon allmanni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crangon crangon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cribrilina punctata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crisia eburnea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crisia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cylichna cylindracea	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demonax cambrensis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Dendrodoa grossularia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diastylis bradyi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diastylis laevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diplecogaster bimaculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dodecaceria concharum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Donax vittatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia exoleta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia lupinus	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
Dosinia sp.	0	0	1	0	1	0	0	0	0	0	2	0	0	0	0	0	0	1	1	0	0	0	0	2	0	0	0	0	0	1	1	0	0	0	1	1
*Dotos*p.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia cranchii	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tuberosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tumefacta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ebalia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	159	160	161	162	163	164	165	166.1	166.2	167	168	169	170	171	172	173	174	175	176.1	176.2	177	178	179	180	181	182	183	184	185.1	185.2	186	187	188	189	190	191
Echinidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinocardium cordatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
Echinocyamus pusillus	0	0	0	0	0	5	3	0	2	1	4	1	0	0	0	0	0	0	0	0	0	0	1	2	0	0	2	1	2	9	1	1	0	0	0	0
Edwardsia claparedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Edwardsia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ehlersia cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0
Electra pilosa	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0
Embletonia pulchra	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0
Enipo elisabethae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Ensis arcuatus	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	1	0	0	0	0	0	1	0	0	0	0
Ensis ensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis sp. Damaged	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Epilepton clarkiae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ericthonius punctatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0
Escharella immersa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eteone longa/flava (agg.)	0	0	0	0	0	0	0	1	2	3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	4	0
Eubranchus sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euchone rubrocincta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euclymene lumbricoides	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eulalia expusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eulalia mustela	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumida bahusiensis	0	0	0	0	0	0	3	1	0	2	1	0	5	0	0	0	0	0	0	0	0	0	0	1	1	6	0	0	1	4	2	0	0	0	0	0
Eumida sanguinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumida sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eunice pennata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eurynome aspera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eusyllis blomstrandi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exogone hebes	0	0	0	6	0	0	1	0	0	0	1	0	0	0	3	0	0	0	3	3	0	0	0	0	0	0	0	1	0	4	0	14	1	1	0	2
Exogone naidina	1	0	0	0	10	0	0	0	0	0	0	0	0	1	0	0	1	11	0	0	6	0	0	0	0	0	1	0	0	0	8	0	0	0	0	0

Site Number	159	160	161	162	163	164	165	166.1	166.2	167	168	169	170	171	172	173	174	175	176.1	176.2	177	178	179	180	181	182	183	184	185.1	185.2	186	187	188	189	190	191
Exogone verugera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Fabulina fabula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flabelligera affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flustra foliacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Folliculinidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathea intermedia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathowenia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gammaropsis maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gammaropsis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gari fervensis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Gastrosaccus sanctus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastrosaccus spinifer	1	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gattyana cirrosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gibbula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera alba	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera lapidum	0	0	0	0	1	3	1	0	2	3	0	0	0	0	1	0	0	0	0	0	0	0	0	2	1	0	1	1	0	1	0	0	0	0	0	0
Glycera oxycephala	3	1	2	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	0	1	0	1	2	0	0	0	2	0	2	2	5	2	1	0	1
Glycera rouxii	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera tridactyla	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0
Glycinde nordmanni	0	0	0	0	0	2	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	1	0	0	1	1	0	0	0	0	0
Gnathia oxyuraea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gnathia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
Golfingia elongata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia vulgaris	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Goniada maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goniadella gracilis	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1	0	0	0	0	0	0	0	0
*Goniodoris*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	159	160	161	162	163	164	165	166.1	166.2	167	168	169	170	171	172	173	174	175	176.1	176.2	177	178	179	180	181	182	183	184	185.1	185.2	186	187	188	189	190	191
Goodallia triangularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium halecinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe fragilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe glabra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe impar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe ljungmani	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Hesionura elongata	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0	1	0	0	0	2	0	0	0	0	1	1	0	0
Heteroclymene robusta	0	0	0	0	0	1	2	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Hiatella arctica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte varians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippomedon denticulatus	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrallmania falcata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydroides norvegica	0	0	0	0	0	1	1	3	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Hypereteone foliosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperoplus lanceolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inachus dorsettensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Inachus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphimedia minuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphinoe trispinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Jassa pusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kefersteinia cirrata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laevicardium crassum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lagis koreni	0	0	0	0	0	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	3	1	0	1	1	2	0	0	0	1	0
Lanice conchilega	0	0	0	0	0	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Laonice bahusiensis	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lembos longipes	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0

Site Number	159	160	161	162	163	164	165	166.1	166.2	167	168	169	170	171	172	173	174	175	176.1	176.2	177	178	179	180	181	182	183	184	185.1	185.2	186	187	188	189	190	191
*Lembos*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidepecreum longicorne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidonotus squamatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Leptocheirus hirsutimanus	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Leptocheirus pilosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptochiton asellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepton squamosum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta bergensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta inhaerens	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Leptosynapta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leuckartiara octona	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucosolenia botryoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucosolenia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucothoe incisa	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limaria hians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus depurator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus holsatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus marmoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus pusillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liomesis ovum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loxosoma sp.	0	0	1	1	0	0	0	1	1	0	1	0	0	1	0	0	0	1	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
Lumbrineris gracilis	0	0	0	0	0	3	3	0	4	2	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	2	1	0	3	1	0	0	0	0	0
Lumbrineris latreilli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lumbrineris sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lyonsia norwegica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lysilla loveni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia rostrata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mactra stultorum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	159	160	161	162	163	164	165	166.1	166.2	167	168	169	170	171	172	173	174	175	176.1	176.2	177	178	179	180	181	182	183	184	185.1	185.2	186	187	188	189	190	191
Maera othonis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maerella tenuimana	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Magelona alleni	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona filiformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona johnstoni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Majidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maldanidae sp.	0	1	0	0	0	0	0	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2	0	0	2	0	0	0	0	0	0
Malmgrenia lunulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malmgrenia sp.	0	0	0	0	0	1	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Marphysa bellii	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mediomastus fragilis	1	0	0	0	1	0	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	5	0	0	0	0	0
Megaluropus agilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Megamphopus cornutus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Metridium senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Micromaldane ornithochaeta	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
Microphthalmus similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microprotopus maculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolarca tumida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolula phaseolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus modiolus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus sp. Juv.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moerella donacina	3	0	0	13	5	0	0	2	1	0	2	6	0	1	0	1	1	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moerella pygmaea	0	2	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	5	5	0	4	0	0	0	0	4	0	10	10	29	5	0	0	1
Molgula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Musculus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Mya truncata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysella bidentata	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Mysia undata	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	159	160	161	162	163	164	165	166.1	166.2	167	168	169	170	171	172	173	174	175	176.1	176.2	177	178	179	180	181	182	183	184	185.1	185.2	186	187	188	189	190	191
Mysta picta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nebalia bipes	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Necora puber	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda spp.	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Nematonereis unicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Nemertea spp.	0	0	1	1	5	10	6	4	7	3	1	2	3	1	0	1	0	0	3	2	1	2	1	1	4	4	8	2	9	1	3	1	0	0	1	4
Nemertesia antennina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertesia ramosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neoamphitrite affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys assimilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Nephtys caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys cirrosa	7	5	8	5	6	0	0	0	0	1	5	1	5	4	0	5	6	7	5	5	8	7	2	0	0	0	0	8	1	3	13	7	7	4	19	9
Nephtys hombergii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys kersivalensis	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys longosetosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys sp. (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereimyra punctata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis longissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis pelagica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis zonata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
Nicolea venustula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nothria conchylega	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notomastus latericeus	0	0	0	0	0	0	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Notophyllum foliosum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucula nitidosa	0	0	0	0	0	2	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Nucula sp. (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranchia spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Odontosyllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oligochaeta spp.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	159	160	161	162	163	164	165	166.1	166.2	167	168	169	170	171	172	173	174	175	176.1	176.2	177	178	179	180	181	182	183	184	185.1	185.2	186	187	188	189	190	191
Onchidorididae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Onchidoris depressa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophelia borealis	0	0	0	0	0	4	0	0	1	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
Ophelina acuminata	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0
Ophiothrix fragilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura affinis	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura albida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Ophiura ophiura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Ophiuridae sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophryotrocha puerilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opisthodonta pterochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orbinia sertulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene humilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene nanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Owenia fusiformis	0	0	0	0	0	1	3	0	1	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	2	0	1	0	0	0	1	0
Paguridae sp.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus bernhardus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus cuanensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalina brevirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paradoneis lyra	0	0	0	0	0	1	2	1	0	2	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2	0	0	1	1	0	0	0
Paramphitrite sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pariambus typicus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parougia caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parvicardium ovale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina cernua	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina hispida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perioculodes longimanus	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	1	0

Site Number	159	160	161	162	163	164	165	166.1	166.2	167	168	169	170	171	172	173	174	175	176.1	176.2	177	178	179	180	181	182	183	184	185.1	185.2	186	187	188	189	190	191
Pharus legumen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phascolion strombus	0	0	0	0	0	4	0	0	5	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	2	0	0	0	0	0	0	0	0	0
Phaxas pellucidus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phialella quadrata	1	1	1	1	1	1	1	0	0	1	0	1	1	0	0	1	0	1	1	1	1	1	1	0	1	1	0	0	0	0	1	1	1	1	1	1
Philine aperta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe baltica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe inornata	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0
Phoronis muelleri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phoronis sp.	0	0	0	0	0	4	3	2	1	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	6	3	0	0	0	0	0	0	0	0
Photis longicaudata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	12	0	0	0	0	0	0
Phtisica marina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phyllodoce groenlandica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Phyllodoce laminosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pilumnus hirtellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pinnotheres pisum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pirakia punctifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pisidia longicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pisione remota	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Pista cristata	0	0	0	0	0	0	1	0	2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5	4	1	3	0	0	0	0	0	0	0
Plumularia setacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarke pallida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarke sp.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarkeopsis capensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Pododesmus patelliformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poecilochaetus serpens	0	0	0	0	1	6	4	0	4	3	5	0	15	0	0	0	0	0	0	0	0	0	0	0	0	3	1	3	0	32	6	7	0	0	0	6	0
Polinices pulchellus	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Polycarpa fibrosa	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polyceridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polycirrus medusa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	159	160	161	162	163	164	165	166.1	166.2	167	168	169	170	171	172	173	174	175	176.1	176.2	177	178	179	180	181	182	183	184	185.1	185.2	186	187	188	189	190	191
Polycirrus sp.	0	0	0	0	0	2	3	2	4	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	2	0
Polycirrus sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora caulleryi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora ciliata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora flava	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora sp 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius appendiculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius lacteus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Polynoidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros lamarcki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros triqueter	0	0	0	0	0	0	3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Pontocrates altamarinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontocrates arenarius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Pontophilus bispinosus neglecta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontophilus trispinosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
Procerastea nematodes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Processa parva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Protodorvillea kefersteini	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Protodrilus sp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Psammechinus miliaris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Pseudocuma similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudomystides limbata	0	1	0	2	0	0	1	0	0	0	1	0	0	0	0	0	0	3	0	1	0	0	1	0	2	0	0	0	0	2	1	3	0	0	0	0
Pseudoparatanais batei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudopolydora pulchra	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudoprotella phasma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	159	160	161	162	163	164	165	166.1	166.2	167	168	169	170	171	172	173	174	175	176.1	176.2	177	178	179	180	181	182	183	184	185.1	185.2	186	187	188	189	190	191
Pseudothyone raphanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sabella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sabellaria spinulosa	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagartia troglodytes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagartiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Saxicavella jeffreysi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scalibregma inflatum	0	0	0	0	0	0	1	9	10	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	8	4	2	0	0	0	0	0	0	0	0
Schistomeringos neglecta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schistomeringos rudolphi	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Schistomysis spiritus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schizomavella linearis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis (*Scolelepis*) *bonnieri*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis (*Scolelepis*) *squamata*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis foliosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis tridentata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	3	1	1	2	2	1	0	5	0	0	0	0	0	0	0	0	0	1	1	1	0	7	4	1	11	3	6	1	0	0	0
Sertularella gayi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularia cupressina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sigalion mathildae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solecurtus scopula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solenidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodoridium claparedii	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodorum gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeroma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis bulbosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis hystrix	0	0	0	1	0	0	0	1	0	0	0	0	1	0	1	0	0	1	0	0	0	0	4	1	0	1	0	3	1	4	1	0	0	0	0	0
Sphaerosyllis sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spio armata	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0

Site Number	159	160	161	162	163	164	165	166.1	166.2	167	168	169	170	171	172	173	174	175	176.1	176.2	177	178	179	180	181	182	183	184	185.1	185.2	186	187	188	189	190	191
Spio decorata	0	0	0	0	1	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	2	0	0	0	0
Spio filicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spio martinensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spionidae genus B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Spiophanes bombyx	1	3	2	0	8	11	0	2	0	1	5	2	13	0	2	2	1	4	6	2	1	4	8	1	2	2	1	2	9	4	11	3	5	8	9	4
Spiophanes kroyeri	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula elliptica	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
Spisula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula subtruncata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sponge sp.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0
Sponge sp. 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenothoe marina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Sthenelais boa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sthenelais limicola	0	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Streptosyllis websteri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllides sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllidia armata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Synchelidium maculatum	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tanaopsis graciloides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tapes rhomboides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tellimya ferruginosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	5	0	0	0	0	0	0	0
Terebellidae sp. Juv.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terebellides stroemi	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tharyx killariensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thia scutellata	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	1	1	0	2	0	0	0

Site Number	159	160	161	162	163	164	165	166.1	166.2	167	168	169	170	171	172	173	174	175	176.1	176.2	177	178	179	180	181	182	183	184	185.1	185.2	186	187	188	189	190	191
Thoralus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thracia phaseolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thracia villosiuscula	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	0	1	0
Thyone fusus	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Timoclea ovata	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
Tmetonyx similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Travisia forbesi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tricellaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tritonia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Trypanosyllis zebra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubulanus annulatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia indivisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia larynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Tubuliporasp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tunicata sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbicellepora avicularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unicola planipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upogebia deltaura	0	0	0	0	0	3	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	1	0	0	0	0	0	0	0	0
Upogebia stellata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urothoe elegans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0
Urothoe marina	0	1	0	0	0	0	4	5	7	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	6	7	0	0	0	0	0	0	0	0
Urticina eques	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina felina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Veneridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Verruca stroemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Virgularia mirabilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	192	193	194	195	196	197.1	197.2	198	199	200	201	202	203.1	203.2	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	224	225	226
Abietinaria abietina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abietinaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abludomelita obtusata	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra alba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra nitida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra prismatica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achaeus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achelia echinata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acholoe squamosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Acidostoma obesum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acteon tornatilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Actinaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Adamsia carciniopados	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adyte pellucida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Aeolidia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aequipecten opercularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aglaophamus rubella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium diaphanum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium sp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Alcyonium digitatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0
Alentia gelatinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes tobianus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca brevicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca diadema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

Site Number	192	193	194	195	196	197.1	197.2	198	199	200	201	202	203.1	203.2	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	224	225	226
Ampelisca sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca spinipes	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca tenuicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca typica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Ampharete lindstroemi	0	0	0	0	0	3	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	3	0	0	0	0	3	0	0
Amphictene auricoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphilocus neapolitanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipholis squamata	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	1	0
Amphitritides gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura brachiata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura filiformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura sp. Juv.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides lineata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides longipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides mucosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides rosea	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Anapagurus laevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anomiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anoplodactylus petiolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anthura gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aonides oxycephala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
Aonides paucibranchiata	0	0	0	0	0	13	13	5	1	2	1	0	0	0	0	0	0	0	1	0	1	0	2	0	0	5	2	0	8	0	0	0	0	3	0	0
Aora gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aora sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aoridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphelochaeta multibranchiis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphelochaeta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apherusa bispinosa	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	192	193	194	195	196	197.1	197.2	198	199	200	201	202	203.1	203.2	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	224	225	226
Aphrodita aculeata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arcopagia crassa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Argissa hamatipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aricidea cerrutii	0	0	1	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	0
Aricidea minuta	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Aricidea sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia conchilega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia sp.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Ascidiella aspersa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ascidiella*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asterias rubens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Astropecten irregularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Atylus falcatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus swammerdami	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus vedlomensis	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Autolytus aurantiacus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Autolytus edwarsi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Autolytus prolifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Axiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus balanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus crenatus	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Barnea candida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bathyporeia elegans	1	0	0	0	0	0	0	0	0	4	1	2	1	0	2	0	4	3	1	0	0	1	0	0	1	0	0	1	0	3	6	1	1	1	2	0
Bathyporeia guilliamsoniana	13	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	14	0	0	0	0	0	0	1	0	0	0	0	0	1	0	16	0	0	0
Bispira voluticornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bodotria scorpioides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bougainvillia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Branchiostoma lanceolatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bugula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	192	193	194	195	196	197.1	197.2	198	199	200	201	202	203.1	203.2	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	224	225	226
Callianassa subterranea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callianassidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calliostoma zizyphinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callopora dumerilii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calycella syringa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Campanulariidae	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	1	0
Caulleriella alata	0	0	0	0	0	6	5	2	0	1	0	0	0	0	0	0	0	0	4	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0
Caulleriella zetlandica	0	0	0	1	1	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	0	0	0
Celleporina hassallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ceradocus semiserratus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerianthus lloydii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Chaetopterus variopedatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Chaetozone setosa type B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus intermedius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus sundevallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlamys varia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chone duneri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Chone fauveli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chorizopora brongniartii	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ciona intestinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirratulus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirrophorus branchiatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clausinella fasciata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clymenura borealis	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Clytia hemisphaerica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
Conilera cylindracea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conopeum reticulum	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0
Corbula gibba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	192	193	194	195	196	197.1	197.2	198	199	200	201	202	203.1	203.2	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	224	225	226
Corophium bonnellii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corophium sextonae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Corystes cassivelaunus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crangon allmanni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crangon crangon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cribrilina punctata	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crisia eburnea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crisia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cylichna cylindracea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demonax cambrensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dendrodoa grossularia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diastylis bradyi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diastylis laevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diplecogaster bimaculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dodecaceria concharum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Donax vittatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia exoleta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia lupinus	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Dosinia sp.	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0
*Doto*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tuberosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tumefacta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ebalia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinocardium cordatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinocyamus pusillus	0	0	2	0	0	1	2	4	2	3	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	3	1	0	0	0	0	0	1	0	1
Edwardsia claparedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Edwardsia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	192	193	194	195	196	197.1	197.2	198	199	200	201	202	203.1	203.2	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	224	225	226
Ehlersia cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electra pilosa	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	1	0
Embletonia pulchra	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Enipo elisabethae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis arcuatus	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0
Ensis ensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis sp. Damaged	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Epilepton clarkiae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ericthonius punctatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
Escharella immersa	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
Eteone longa/flava (agg.)	2	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eubranchus sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euchone rubrocincta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euclymene lumbricoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eulalia expusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eulalia mustela	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumida bahusiensis	0	0	0	0	0	2	0	0	0	5	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Eumida sanguinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumida sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eunice pennata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eurynome aspera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eusyllis blomstrandi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exogone hebes	4	4	0	0	0	0	0	0	0	3	0	0	0	0	1	0	2	1	1	0	0	1	0	1	1	0	1	1	0	3	7	0	0	0	0	0
Exogone naidina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exogone verugera	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	2
Fabulina fabula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flabelligera affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flustra foliacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0

Site Number	192	193	194	195	196	197.1	197.2	198	199	200	201	202	203.1	203.2	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	224	225	226
Folliculinidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathea intermedia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathowenia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0
Gammaropsis maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gammaropsis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gari fervensis	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Gastrosaccus sanctus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastrosaccus spinifer	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Gattyana cirrosa	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0
Gibbula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera alba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Glycera lapidum	0	0	0	0	0	1	1	2	0	1	0	0	0	0	0	0	0	0	2	0	0	3	0	0	0	2	1	0	0	0	0	0	0	0	0	0
Glycera oxycephala	0	0	1	0	0	0	0	1	1	3	5	7	3	5	1	0	0	1	0	0	1	1	2	2	6	0	3	7	0	1	2	0	0	0	0	0
Glycera rouxii	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
Glycera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera tridactyla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycinde nordmanni	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0
Gnathia oxyuraea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gnathia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Golfingia elongata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia vulgaris	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Goniada maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goniadella gracilis	0	0	0	0	0	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	2	0	0	0	0	0	0	0
*Goniodoris*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goodallia triangularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium halecinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe fragilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	192	193	194	195	196	197.1	197.2	198	199	200	201	202	203.1	203.2	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	224	225	226
Harmothoe glabra	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Harmothoe impar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe ljungmani	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hesionura elongata	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	0	0	0	0	0	1	2	0	0	0	0	0	2
Heteroclymene robusta	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hiatella arctica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte varians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippomedon denticulatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrallmania falcata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Hydroides norvegica	0	0	0	0	0	0	0	2	0	4	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	2	0	0	1	0	0
Hypereteone foliosa	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperoplus lanceolatus	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inachus dorsettensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Inachus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphimedia minuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphinoe trispinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jassa pusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kefersteinia cirrata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laevicardium crassum	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lagis koreni	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	1	0	1	0	1	0	0	0	1	0	0	0
Lanice conchilega	0	0	0	0	0	1	3	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laonice bahusiensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Lembos longipes	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
*Lembos*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidepecreum longicorne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Lepidonotus squamatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptocheirus hirsutimanus	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0

Site Number	192	193	194	195	196	197.1	197.2	198	199	200	201	202	203.1	203.2	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	224	225	226
Leptocheirus pilosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptochiton asellus	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepton squamosum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta bergensis	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta inhaerens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leuckartiara octona	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucosolenia botryoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucosolenia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucothoe incisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limaria hians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus depurator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus holsatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus marmoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus pusillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liomesis ovum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loxosoma sp.	1	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	1	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0
Lumbrineris gracilis	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	4	0	0	0	0	0	0	0	0	0	0
Lumbrineris latreilli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lumbrineris sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lyonsia norwegica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lysilla loveni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia rostrata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mactra stultorum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maera othonis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Maerella tenuimana	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Magelona alleni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona filiformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	192	193	194	195	196	197.1	197.2	198	199	200	201	202	203.1	203.2	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	224	225	226
Magelona johnstoni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Majidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maldanidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
Malmgrenia lunulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malmgrenia sp.	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Marphysa bellii	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mediomastus fragilis	0	0	0	0	0	1	1	0	0	1	3	0	0	1	0	0	0	0	16	0	0	1	2	0	1	2	1	0	0	0	0	0	1	26	0	0
Megaluropus agilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Megamphopus cornutus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Metridium senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Micromaldane ornithochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microphthalmus similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microprotopus maculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolarca tumida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolula phaseolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus modiolus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moerella donacina	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Moerella pygmaea	3	0	0	7	6	0	0	0	8	1	6	1	3	0	1	0	1	0	0	0	3	3	2	24	1	0	0	0	0	0	0	0	0	0	0	6
Molgula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Musculus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya truncata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysella bidentata	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	1	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysia undata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysta picta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nebalia bipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Necora puber	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	1	0

Site Number	192	193	194	195	196	197.1	197.2	198	199	200	201	202	203.1	203.2	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	224	225	226
Nematonereis unicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Nemertea spp.	6	1	52	1	4	1	5	3	3	4	1	2	0	0	1	1	1	0	9	0	1	3	0	1	2	6	3	3	4	4	0	2	0	12	1	0
Nemertesia antennina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertesia ramosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neoamphitrite affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys assimilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys cirrosa	18	3	3	3	0	0	0	0	4	5	9	2	5	0	3	5	11	10	0	1	4	5	6	3	7	0	6	3	0	8	5	5	10	0	0	3
Nephtys hombergii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys kersivalensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys longosetosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys sp. (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereimyra punctata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis longissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis pelagica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis zonata	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Nicolea venustula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nothria conchylega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Notomastus latericeus	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	1	0	0
Notophyllum foliosum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucula nitidosa	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Nucula sp. (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranchia spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Odontosyllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oligochaeta spp.	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2	0
Onchidoridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onchidoris depressa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophelia borealis	0	11	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1
Ophelina acuminata	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

Site Number	192	193	194	195	196	197.1	197.2	198	199	200	201	202	203.1	203.2	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	224	225	226
Ophiothrix fragilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura affinis	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Ophiura albida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Ophiura ophiura	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Ophiura sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiuridae sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophryotrocha puerilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opisthodonta pterochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orbinia sertulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene humilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene nanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Owenia fusiformis	0	1	0	0	0	4	0	1	0	0	0	0	0	0	0	0	0	0	4	0	1	3	0	0	0	4	0	0	0	0	0	0	0	0	0	0
Paguridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus bernhardus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus cuanensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalina brevirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paradoneis lyra	0	0	2	0	1	3	2	3	0	0	0	0	0	0	0	0	0	0	2	0	0	3	0	0	0	5	2	0	2	0	0	0	0	3	0	0
Paramphitrite sp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pariambus typicus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parougia caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parvicardium ovale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina cernua	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina hispida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perioculodes longimanus	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	0
Pharus legumen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phascolion strombus	0	0	0	0	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Phaxas pellucidus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
Phialella quadrata	1	1	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	0	0	1	1	0	0	1	1	1	0	0	0

Site Number	192	193	194	195	196	197.1	197.2	198	199	200	201	202	203.1	203.2	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	224	225	226
Philine aperta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe baltica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe inornata	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	8	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	3	0
Phoronis muelleri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phoronis sp.	0	0	0	0	0	3	2	1	0	0	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	27	0	0
Photis longicaudata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phtisica marina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phyllodoce groenlandica	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phyllodoce laminosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pilumnus hirtellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pinnotheres pisum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pirakia punctifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pisidia longicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Pisione remota	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1
Pista cristata	0	0	0	0	0	1	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0
Plumularia setacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarke pallida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarke sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarkeopsis capensis	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Pododesmus patelliformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poecilochaetus serpens	1	0	0	0	0	0	7	2	0	1	0	0	0	0	0	0	0	0	5	0	0	4	0	0	0	0	0	0	8	1	0	0	0	2	0	0
Polinices pulchellus	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	1	0
Polycarpa fibrosa	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polyceridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polycirrus medusa	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Polycirrus sp.	0	0	0	0	0	4	5	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	1	0	0	0	0	2	0	0
Polycirrus sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora caulleryi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	192	193	194	195	196	197.1	197.2	198	199	200	201	202	203.1	203.2	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	224	225	226
Polydora ciliata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora flava	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora sp 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Polygordius appendiculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius lacteus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
Polynoidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros lamarcki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros triqueter	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	2	0	0	0	0	1	0	0	16	6	0
Pontocrates altamarinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontocrates arenarius	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontophilus bispinosus neglecta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontophilus trispinosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Procerastea nematodes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Processa parva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Protodorvillea kefersteini	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
Protodrilus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Psammechinus miliaris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Pseudocuma similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudomystides limbata	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	2	0	0	0	1	2	0	0	0	3	0	0	0	0	0
Pseudoparatanais batei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudopolydora pulchra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Pseudoprotella phasma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudothyone raphanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Sabella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Sabellaria spinulosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagartia troglodytes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	192	193	194	195	196	197.1	197.2	198	199	200	201	202	203.1	203.2	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	224	225	226
Sagartiidae sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	11	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Saxicavella jeffreysi	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scalibregma inflatum	0	0	0	0	0	7	5	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	1	0	0
Schistomeringos neglecta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schistomeringos rudolphi	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schistomysis spiritus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schizomavella linearis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis (*Scolelepis*) *bonnieri*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis (*Scolelepis*) *squamata*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis foliosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis tridentata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scoloplos armiger	1	3	1	0	0	0	2	1	0	0	1	0	0	0	0	0	0	0	23	1	0	0	0	0	24	3	0	0	0	1	0	0	1	17	3	0
Sertularella gayi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularia cupressina	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sigalion mathildae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solecurtus scopula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solenidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodoridium claparedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodorum gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeroma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis bulbosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis hystrix	0	0	0	0	1	1	1	0	2	1	2	0	0	0	0	0	0	0	0	0	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	1
Sphaerosyllis sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spio armata	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1	1	0	0	1
Spio decorata	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Spio filicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spio martinensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spionidae genus B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	192	193	194	195	196	197.1	197.2	198	199	200	201	202	203.1	203.2	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	224	225	226
Spiophanes bombyx	9	0	1	0	0	0	1	0	2	9	2	7	5	1	1	2	3	9	1	0	2	5	1	0	11	0	4	0	1	7	3	5	4	0	1	1
Spiophanes kroyeri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula elliptica	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Spisula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula subtruncata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sponge sp.	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sponge sp. 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenothoe marina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sthenelais boa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sthenelais limicola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Streptosyllis websteri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllidae sp.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllides sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllidia armata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1	0	0	0	0	0	0	0
Syllis gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Synchelidium maculatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Tanaopsis graciloides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tapes rhomboides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tellimya ferruginosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terebellidae sp. Juv.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terebellides stroemi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tharyx killariensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thia scutellata	1	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Thoralus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thracia phaseolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thracia villosiuscula	0	1	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Thyone fusus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	192	193	194	195	196	197.1	197.2	198	199	200	201	202	203.1	203.2	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	224	225	226
Timoclea ovata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tmetonyx similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Travisia forbesi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tricellaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tritonia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trypanosyllis zebra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubulanus annulatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia indivisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia larynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
*Tubulipora*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tunicata sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbicellepora avicularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unicola planipes	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upogebia deltaura	0	0	0	0	0	6	4	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	9	0	0
Upogebia stellata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urothoe elegans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	5	0
Urothoe marina	0	0	0	0	1	23	14	27	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	12	0	0	26	0	0	0	0	0	0	0
Urticina eques	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Urticina felina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Veneridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Verruca stroemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Virgularia mirabilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	227	228	229	230	231	232	233.1	233.2	235	236	237	238	239.1	239.2	240	241	242	243	244.1	244.2	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Abietinaria abietina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abietinaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abludomelita obtusata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra alba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra nitida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra prismatica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Abra sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achaeus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achelia echinata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acholoe squamosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acidostoma obesum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acteon tornatilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Actinaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0
Adamsia carciniopados	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Adyte pellucida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Aeolidia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aequipecten opercularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aglaophamus rubella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium diaphanum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Alcyonidium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Alcyonium digitatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0
Alentia gelatinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes tobianus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca brevicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca diadema	0	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	16
Ampelisca sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca spinipes	0	0	0	0	5	2	4	2	0	0	0	0	0	0	0	0	0	0	3	4	0	0	10	3	0	0	0	0	0	0	0	0	0	0	0	2
Ampelisca tenuicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca typica	0	0	0	0	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1
Ampharete lindstroemi	0	0	0	0	4	3	2	2	0	0	0	0	0	0	0	0	0	0	0	4	1	0	12	5	0	0	0	0	0	0	0	0	0	2	0	26
Amphictene auricoma	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	227	228	229	230	231	232	233.1	233.2	235	236	237	238	239.1	239.2	240	241	242	243	244.1	244.2	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Amphilocus neapolitanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipholis squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	9	0	0
Amphitritides gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura brachiata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura filiformis	0	0	0	0	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Amphiura sp. Juv.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides lineata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides longipes	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides mucosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides rosea	0	0	0	0	1	6	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0
Anapagurus laevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Anomiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anoplodactylus petiolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anthura gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aonides oxycephala	0	0	0	0	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	2	0	0	0	0	0	0	0	0	0	0	0
Aonides paucibranchiata	0	1	2	2	3	3	1	0	0	0	0	0	0	0	0	4	0	0	1	0	0	6	4	0	2	0	0	0	2	0	0	6	0	0	0	14
Aora gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aora sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aoridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphelochaeta multibranchiis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Aphelochaeta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apherusa bispinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphrodita aculeata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arcopagia crassa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Argissa hamatipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aricidea cerrutii	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	1	4
Aricidea minuta	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aricidea sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia conchilega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Ascidiella aspersa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ascidiella*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	227	228	229	230	231	232	233.1	233.2	235	236	237	238	239.1	239.2	240	241	242	243	244.1	244.2	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Asterias rubens	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Astropecten irregularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus falcatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus swammerdami	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus vedlomensis	0	0	1	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Autolytus aurantiacus	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Autolytus edwarsi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Autolytus prolifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Axiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus balanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus crenatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Barnea candida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bathyporeia elegans	0	0	0	0	0	0	0	0	0	0	5	2	4	3	1	0	0	0	0	0	0	0	0	0	1	0	1	2	2	0	1	0	1	0	0	0
Bathyporeia guilliamsoniana	0	0	0	0	1	0	0	0	0	0	11	0	3	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bispira voluticornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bodotria scorpioides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bougainvillia sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	0	0	0	1	0	0
Branchiostoma lanceolatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bugula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callianassa subterranea	0	0	0	0	4	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Callianassidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calliostoma zizyphinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callopora dumerilii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calycella syringa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Campanulariidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0
Caulleriella alata	4	1	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	1	3	1	1	3	1	1	0	0	0	0	0	0	0	0	2	0	0
Caulleriella zetlandica	0	3	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
Celleporina hassallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Ceradocus semiserratus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerianthus lloydii	0	0	0	0	3	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	5	0	0	0	0	0	0	0	0	0	0	1	0	0
Chaetopterus variopedatus	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Chaetozone setosa type B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	227	228	229	230	231	232	233.1	233.2	235	236	237	238	239.1	239.2	240	241	242	243	244.1	244.2	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Cheirocratus intermedius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus sundevallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlamys varia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chone duneri	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	6
Chone fauveli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chorizopora brongniartii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ciona intestinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirratulus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Cirrophorus branchiatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clausinella fasciata	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clymenura borealis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Clytia hemisphaerica	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1
Conilera cylindracea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conopeum reticulum	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Corbula gibba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corophium bonnellii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corophium sextonae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	1	0	0
Corystes cassivelaunus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crangon allmanni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crangon crangon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cribrilina punctata	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0
Crisia eburnea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crisia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cylichna cylindracea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demonax cambrensis	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dendrodoa grossularia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diastylis bradyi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diastylis laevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diplecogaster bimaculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dodecaceria concharum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	227	228	229	230	231	232	233.1	233.2	235	236	237	238	239.1	239.2	240	241	242	243	244.1	244.2	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Donax vittatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia exoleta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia lupinus	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
Dosinia sp.	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
*Dotos*p.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Ebalia tuberosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tumefacta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ebalia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinocardium cordatum	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinocyamus pusillus	1	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	7	1	2	0	0	1	4	1	1	0	0	1	5	0	1	4	0	7	0	1
Edwardsia claparedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Edwardsia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ehlersia cornuta	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electra pilosa	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Embletonia pulchra	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Enipo elisabethae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis arcuatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis ensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis sp. Damaged	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Epilepton clarkiae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ericthonius punctatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Escharella immersa	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Eteone longa/flava (agg.)	0	1	0	0	2	0	0	1	0	0	0	0	1	0	0	2	0	1	4	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1
Eubranchus sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euchone rubrocincta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euclymene lumbricoides	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0
Eulalia expusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eulalia mustela	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Eumida bahusiensis	0	1	0	0	1	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4	1	4	2	3	1	2	0	0	0	0	0	0	0	0	0	3
Eumida sanguinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	227	228	229	230	231	232	233.1	233.2	235	236	237	238	239.1	239.2	240	241	242	243	244.1	244.2	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Eumida sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eunice pennata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eurynome aspera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eusyllis blomstrandi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Exogone hebes	0	0	1	4	0	0	0	0	17	1	2	8	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	3	14	0	0	0	0	0
Exogone naidina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exogone verugera	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Fabulina fabula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flabelligera affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flustra foliacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Folliculinidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathea intermedia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Galathowenia sp.	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
Gammaropsis maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gammaropsis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gari fervensis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	2	0	0
Gastrosaccus sanctus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Gastrosaccus spinifer	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Gattyana cirrosa	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gibbula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera alba	0	2	0	0	2	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Glycera lapidum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	1	0	0	0	1	3	0	0	0	1	0	2	0	0	4	1	1
Glycera oxycephala	0	2	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2	0	1	0	0	0	0	1	1	0
Glycera rouxii	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Glycera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera tridactyla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0
Glycinde nordmanni	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	1
Gnathia oxyuraea	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
Gnathia sp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia elongata	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia vulgaris	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	227	228	229	230	231	232	233.1	233.2	235	236	237	238	239.1	239.2	240	241	242	243	244.1	244.2	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Goniada maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goniadella gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Goniodoris*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goodallia triangularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium halecinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium sp.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe fragilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe glabra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe impar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Harmothoe ljungmani	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hesionura elongata	0	0	0	2	0	0	0	0	6	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0
Heteroclymene robusta	0	0	0	0	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Hiatella arctica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte varians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippomedon denticulatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrallmania falcata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Hydroides norvegica	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Hypereteone foliosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Hyperoplus lanceolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inachus dorsettensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Inachus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphimedia minuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphinoe trispinosa	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jassa pusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kefersteinia cirrata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laevicardium crassum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lagis koreni	0	0	0	0	5	5	3	1	0	0	0	0	0	0	0	0	0	0	8	1	0	0	8	0	1	1	0	0	0	0	0	0	1	1	0	2
Lanice conchilega	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1
Laonice bahusiensis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lembos longipes	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0

Site Number	227	228	229	230	231	232	233.1	233.2	235	236	237	238	239.1	239.2	240	241	242	243	244.1	244.2	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
*Lembos*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidepecreum longicorne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Lepidonotus squamatus	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
Leptocheirus hirsutimanus	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	5
Leptocheirus pilosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptochiton asellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Lepton squamosum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta bergensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta inhaerens	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Leptosynapta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Leuckartiara octona	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Leucosolenia botryoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Leucosolenia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucothoe incisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limaria hians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Liocarcinus depurator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus holsatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus marmoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus pusillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus sp. Juv.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liomesis ovum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loxosoma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0
Lumbrineris gracilis	7	1	0	0	4	2	0	2	0	0	0	0	0	0	0	0	0	0	2	2	2	0	8	0	6	0	0	0	0	0	0	0	0	3	0	3
Lumbrineris latreilli	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lumbrineris sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lyonsia norwegica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lysilla loveni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia rostrata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mactra stultorum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maera othonis	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maerella tenuimana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Magelona alleni	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

Site Number	227	228	229	230	231	232	233.1	233.2	235	236	237	238	239.1	239.2	240	241	242	243	244.1	244.2	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Magelona filiformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona johnstoni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Majidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maldanidae sp.	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2	0	0
Malmgrenia lunulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malmgrenia sp.	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0
Marphysa bellii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mediomastus fragilis	2	0	0	0	24	4	3	1	1	0	0	0	0	0	0	0	1	0	2	1	0	0	5	0	0	1	0	0	1	0	0	1	0	1	1	1
Megaluropus agilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Megamphopus cornutus	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Metridium senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Micromaldane ornithochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microphthalmus similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microprotopus maculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolarca tumida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolula phaseolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus modiolus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moerella donacina	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	1	0
Moerella pygmaea	0	0	2	1	0	0	0	0	2	0	0	3	0	0	0	1	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	0
Molgula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Musculus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Mya truncata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysella bidentata	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysia undata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysta picta	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nebalia bipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Necora puber	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0
Nematonereis unicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Nemertea spp.	5	4	0	1	10	15	9	6	3	0	2	0	1	3	0	2	4	1	3	8	1	0	9	2	7	0	0	0	1	3	1	3	0	5	0	16

Site Number	227	228	229	230	231	232	233.1	233.2	235	236	237	238	239.1	239.2	240	241	242	243	244.1	244.2	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Nemertesia antennina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Nemertesia ramosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neoamphitrite affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys assimilis	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Nephtys caeca	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Nephtys cirrosa	2	4	5	4	0	1	0	0	8	2	14	13	5	10	1	0	4	2	0	0	0	1	0	0	0	0	1	1	5	5	5	1	3	0	8	0
Nephtys hombergii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys kersivalensis	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Nephtys longosetosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys sp. (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereimyra punctata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
Nereis longissima	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis pelagica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis zonata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nicolea venustula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nothria conchylega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Notomastus latericeus	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1
Notophyllum foliosum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucula nitidosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0
Nucula sp. (Juv.)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranchia spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Odontosyllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oligochaeta spp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onchidoridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Onchidoris depressa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophelia borealis	4	0	0	0	0	0	0	0	1	0	2	1	1	0	1	2	5	0	0	0	0	0	0	0	0	0	1	2	1	0	0	1	0	1	1	0
Ophelina acuminata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiothrix fragilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura affinis	1	0	0	0	1	1	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	1
Ophiura albida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura ophiura	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura sp. Juv.	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	2	0	0

Site Number	227	228	229	230	231	232	233.1	233.2	235	236	237	238	239.1	239.2	240	241	242	243	244.1	244.2	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Ophiuridae sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophryotrocha puerilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opisthodonta pterochaeta	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orbinia sertulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene humilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene nanus	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Owenia fusiformis	0	0	0	0	2	7	4	6	0	0	1	1	0	0	0	0	0	0	4	6	1	2	8	1	4	2	0	0	1	0	0	0	0	3	0	3
Paguridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus bernhardus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus cuanensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Pandalina brevirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paradoneis lyra	1	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	1	0	0	3	0	3	2	0	4	1	0	0	1	0	0	2	0	1	2	6
Paramphitrite sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pariambus typicus	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parougia caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parvicardium ovale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina cernua	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina hispida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perioculodes longimanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pharus legumen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phascolion strombus	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
Phaxas pellucidus	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Phialella quadrata	0	0	1	0	0	0	1	1	1	0	1	1	0	1	1	0	1	1	0	1	1	1	0	1	1	0	1	0	1	1	1	0	1	0	1	0
Philine aperta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe baltica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe inornata	0	1	0	0	1	6	6	2	0	0	0	0	0	0	1	0	0	0	1	2	0	1	4	0	0	0	0	0	0	0	0	0	0	4	0	0
Phoronis muelleri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phoronis sp.	0	1	0	0	12	2	7	6	0	0	0	0	0	0	0	0	0	0	1	2	1	0	20	1	13	3	0	0	0	0	0	0	0	2	1	2
Photis longicaudata	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Phtisica marina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Phyllodoce groenlandica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	227	228	229	230	231	232	233.1	233.2	235	236	237	238	239.1	239.2	240	241	242	243	244.1	244.2	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Phyllodoce laminosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pilumnus hirtellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pinnotheres pisum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pirakia punctifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pisidia longicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pisione remota	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Pista cristata	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	1	0	0	0	0	0	0	2	0	0	0	2
Plumularia setacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarke pallida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarke sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarkeopsis capensis	1	2	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Pododesmus patelliformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poecilochaetus serpens	0	4	0	0	12	2	4	2	0	0	0	0	0	0	0	0	0	0	2	0	0	5	6	0	0	0	0	0	0	0	0	0	0	0	0	5
Polinices pulchellus	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	0	0	1	1	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
Polycarpa fibrosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0
Polyceridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polycirrus medusa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Polycirrus sp.	0	0	0	0	1	0	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2	0	1	0	0	0	0	0	0	0	0	6	0	4
Polycirrus sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora caulleryi	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora ciliata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora flava	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora sp 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Polygordius appendiculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius lacteus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius sp.	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	3	0	0	0	0	4	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Polynoidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros lamarcki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros triqueter	0	0	1	0	0	0	3	20	0	0	0	0	0	0	0	5	0	0	0	0	0	0	10	62	0	81	0	0	0	0	0	0	0	0	0	3

Site Number	227	228	229	230	231	232	233.1	233.2	235	236	237	238	239.1	239.2	240	241	242	243	244.1	244.2	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Pontocrates altamarinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontocrates arenarius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontophilus bispinosus neglecta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontophilus trispinosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Procerastea nematodes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Processa parva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protodorvillea kefersteini	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protodrilus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Psammechinus miliaris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Pseudocuma similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudomystides limbata	0	1	0	2	0	0	0	0	3	0	0	4	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	12	0	2	1	0	0
Pseudoparatanais batei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudopolydora pulchra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudoprotella phasma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudothyone raphanus	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sabella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sabellaria spinulosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagartia troglodytes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagartiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saxicavella jeffreysi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scalibregma inflatum	0	1	0	0	6	4	2	1	0	0	0	0	0	0	0	0	0	0	3	4	0	2	7	0	3	0	0	0	0	0	0	0	0	1	0	2
Schistomeringos neglecta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schistomeringos rudolphi	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Schistomysis spiritus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schizomavella linearis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Scolelepis (*Scolelepis*) *bonnieri*	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Scolelepis (*Scolelepis*) *squamata*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis foliosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis tridentata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scoloplos armiger	19	1	0	0	7	10	8	5	4	0	0	0	1	0	0	8	0	3	10	6	4	4	11	3	8	2	0	0	8	0	0	0	0	2	0	0
Sertularella gayi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

Site Number	227	228	229	230	231	232	233.1	233.2	235	236	237	238	239.1	239.2	240	241	242	243	244.1	244.2	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Sertularia cupressina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Sigalion mathildae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solecurtus scopula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solenidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodoridium claparedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodorum gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeroma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis bulbosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis hystrix	0	0	0	5	0	0	0	1	4	0	0	0	0	0	0	0	0	2	0	0	0	1	0	1	0	0	0	0	1	4	5	0	0	3	0	2
Sphaerosyllis sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spio armata	0	0	2	1	0	0	0	0	3	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Spio decorata	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0
Spio filicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Spio martinensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spionidae genus B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Spiophanes bombyx	8	12	0	1	7	115	5	6	4	2	8	0	2	1	0	1	7	2	4	8	4	6	7	2	47	3	0	0	3	3	0	0	1	1	0	14
Spiophanes kroyeri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula elliptica	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	2	1	0	0	0	0	1	0	0	0	0	0	0	1
Spisula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula subtruncata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sponge sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Sponge sp. 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
Stenothoe marina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sthenelais boa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sthenelais limicola	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Streptosyllis websteri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllidae sp.	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllides sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllidia armata	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0
Syllis cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1
Syllis gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	227	228	229	230	231	232	233.1	233.2	235	236	237	238	239.1	239.2	240	241	242	243	244.1	244.2	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Synchelidium maculatum	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tanaopsis graciloides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0
Tapes rhomboides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Tellimya ferruginosa	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terebellidae sp. Juv.	0	1	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
Terebellides stroemi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Tharyx killariensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thia scutellata	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thoralus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thracia phaseolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thracia villosiuscula	2	1	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	2	0	1	1	0	0	0	0	0	0	2	0	0	0	0
Thyone fusus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Timoclea ovata	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Tmetonyx similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Travisia forbesi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Tricellaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tritonia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Trypanosyllis zebra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubulanus annulatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia indivisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia larynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
*Tubulipora*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tunicata sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Turbicellepora avicularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unicola planipes	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upogebia deltaura	0	0	0	0	25	8	4	3	0	0	0	0	0	0	0	0	0	0	4	4	1	0	8	0	3	0	0	0	0	0	0	0	0	0	0	2
Upogebia stellata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urothoe elegans	0	0	0	0	2	10	5	1	0	0	0	0	0	0	0	10	0	0	0	0	0	0	7	2	7	0	0	0	0	0	0	0	0	12	0	0
Urothoe marina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	40

Site Number	227	228	229	230	231	232	233.1	233.2	235	236	237	238	239.1	239.2	240	241	242	243	244.1	244.2	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
Urticina eques	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina felina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Veneridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Verruca stroemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Virgularia mirabilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Abietinaria abietina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abietinaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abludomelita obtusata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra alba	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra nitida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra prismatica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achaeus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achelia echinata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acholoe squamosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acidostoma obesum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acteon tornatilis	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Actinaria	0	6	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Adamsia carciniopados	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adyte pellucida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Aeolidia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aequipecten opercularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aglaophamus rubella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Alcyonidium diaphanum	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium sp.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonium digitatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alentia gelatinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes tobianus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca brevicornis	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca diadema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca spinipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca tenuicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca typica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampharete lindstroemi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphictene auricoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphilocus neapolitanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipholis squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphitritides gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura brachiata	0	4	1	0	1	0	1	3	0	0	4	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1
Amphiura filiformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides lineata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides longipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides mucosa	0	75	23	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Anaitides rosea	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anapagurus laevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anomiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anoplodactylus petiolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Anthura gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aonides oxycephala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aonides paucibranchiata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aora gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aora sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aoridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphelochaeta multibranchiis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphelochaeta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apherusa bispinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphrodita aculeata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arcopagia crassa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Argissa hamatipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aricidea cerrutii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aricidea minuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aricidea sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia conchilega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidiella aspersa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ascidiella*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asterias rubens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Astropecten irregularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus falcatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus swammerdami	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus vedlomensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Autolytus aurantiacus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Autolytus edwarsi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Autolytus prolifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Axiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus balanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus crenatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Barnea candida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bathyporeia elegans	0	0	0	0	0	0	0	0	0	2	1	2	0	1	5	2	2	1	0	0	3	1	1	7	2	3
Bathyporeia guilliamsoniana	0	0	1	0	0	0	1	0	0	3	3	37	18	1	1	34	23	22	2	16	42	12	15	31	75	7
Bispira voluticornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bodotria scorpioides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bougainvillia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Branchiostoma lanceolatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bugula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callianassa subterranea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callianassidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calliostoma zizyphinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callopora dumerilii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calycella syringa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Campanulariidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Caulleriella alata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Caulleriella zetlandica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Celleporina hassallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ceradocus semiserratus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerianthus lloydii	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chaetopterus variopedatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chaetozone setosa type B	0	0	0	0	0	3	0	0	0	0	0	3	1	0	0	1	0	4	0	0	0	0	0	0	0	0
Cheirocratus intermedius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Cheirocratus sundevallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlamys varia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chone duneri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chone fauveli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chorizopora brongniartii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ciona intestinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirratulus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	6	0	0	0	0	0	0	0	0
Cirrophorus branchiatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clausinella fasciata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clymenura borealis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clytia hemisphaerica	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conilera cylindracea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conopeum reticulum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Corbula gibba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corophium bonnellii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corophium sextonae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corystes cassivelaunus	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
Crangon allmanni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crangon crangon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cribrilina punctata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crisia eburnea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crisia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cylichna cylindracea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demonax cambrensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dendrodoa grossularia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diastylis bradyi	5	0	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Diastylis laevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diplecogaster bimaculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dodecaceria concharum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Donax vittatus	0	0	0	2	0	0	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia exoleta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia lupinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia sp.	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Doto*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tuberosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tumefacta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ebalia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinocardium cordatum	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	1	0	0	0	2	2	1	2	2
Echinocyamus pusillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Edwardsia claparedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Edwardsia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ehlersia cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electra pilosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Embletonia pulchra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Enipo elisabethae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis arcuatus	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Ensis ensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis sp. Damaged	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Epilepton clarkiae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ericthonius punctatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Escharella immersa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Eteone longa/flava (agg.)	0	14	8	1	0	5	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
Eubranchus sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euchone rubrocincta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euclymene lumbricoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eulalia expusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eulalia mustela	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumida bahusiensis	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumida sanguinea	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumida sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eunice pennata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eurynome aspera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eusyllis blomstrandi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exogone hebes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exogone naidina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exogone verugera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fabulina fabula	3	0	0	3	9	0	5	11	11	0	4	0	0	0	0	0	0	4	0	0	2	2	0	0	0	0
Flabelligera affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flustra foliacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Folliculinidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathea intermedia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathowenia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gammaropsis maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gammaropsis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gari fervensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastrosaccus sanctus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastrosaccus spinifer	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	1	0	0
Gattyana cirrosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Gibbula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera alba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera lapidum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera oxycephala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera rouxii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera tridactyla	1	13	6	6	3	4	7	7	3	1	13	7	0	1	0	3	4	2	0	5	4	10	0	0	2	1
Glycinde nordmanni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gnathia oxyuraea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gnathia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia elongata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia vulgaris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goniada maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goniadella gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Goniodoris*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goodallia triangularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium halecinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe fragilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe glabra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe impar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe ljungmani	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hesionura elongata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heteroclymene robusta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hiatella arctica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Hippolyte sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte varians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippomedon denticulatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrallmania falcata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydroides norvegica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hypereteone foliosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperoplus lanceolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inachus dorsettensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Inachus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphimedia minuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphinoe trispinosa	0	0	0	0	0	1	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Jassa pusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kefersteinia cirrata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laevicardium crassum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lagis koreni	0	1	24	9	19	12	1	4	2	0	2	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0
Lanice conchilega	0	39	1	0	4	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laonice bahusiensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lembos longipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Lembos*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidepecreum longicorne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidonotus squamatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptocheirus hirsutimanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptocheirus pilosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptochiton asellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepton squamosum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta bergensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta inhaerens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Leptosynapta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leuckartiara octona	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucosolenia botryoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucosolenia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucothoe incisa	0	0	0	1	1	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limaria hians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus depurator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus holsatus	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus marmoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus pusillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liomesis ovum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loxosoma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lumbrineris gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lumbrineris latreilli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lumbrineris sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lyonsia norwegica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lysilla loveni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia rostrata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mactra stultorum	0	0	1	0	0	0	1	1	2	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0
Maera othonis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maerella tenuimana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona alleni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona filiformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona johnstoni	5	2	0	17	5	12	26	10	16	3	24	18	8	15	3	3	47	6	6	48	65	59	20	2	8	1
Majidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maldanidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Malmgrenia lunulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malmgrenia sp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Marphysa bellii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mediomastus fragilis	1	9	5	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0
Megaluropus agilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Megamphopus cornutus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Metridium senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Micromaldane ornithochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microphthalmus similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microprotopus maculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolarca tumida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolula phaseolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus modiolus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moerella donacina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moerella pygmaea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Molgula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Musculus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya truncata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysella bidentata	0	16	2	2	2	1	1	0	5	0	1	0	0	0	0	0	1	1	1	0	3	0	1	0	0	0
Mysia undata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysta picta	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nebalia bipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Necora puber	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematonereis unicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Nemertea spp.	0	1	2	1	0	0	0	1	0	2	0	2	0	0	2	0	0	1	0	0	3	0	0	0	0	0
Nemertesia antennina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertesia ramosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neoamphitrite affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys assimilis	0	0	17	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys cirrosa	4	0	0	0	0	1	1	0	1	5	0	1	3	3	7	1	12	4	3	8	3	7	6	3	6	5
Nephtys hombergii	1	0	1	0	4	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
Nephtys kersivalensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys longosetosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys sp. (Juv.)	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Nereimyra punctata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis longissima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis pelagica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis zonata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nicolea venustula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nothria conchylega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notomastus latericeus	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notophyllum foliosum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucula nitidosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucula sp. (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nudibranchia spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Odontosyllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oligochaeta spp.	0	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onchidorididae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onchidoris depressa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophelia borealis	0	0	0	1	1	2	0	0	0	5	0	0	4	0	0	0	0	0	0	0	0	0	1	0	0	0

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Ophelina acuminata	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiothrix fragilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura albida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura ophiura	0	2	9	1	3	1	0	0	0	0	0	0	2	0	0	2	1	0	0	1	0	0	0	0	1	0
Ophiura sp. Juv.	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiuridae sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophryotrocha puerilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opisthodonta pterochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orbinia sertulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene humilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene nanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Owenia fusiformis	1	9	120	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Paguridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus bernhardus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus cuanensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalina brevirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paradoneis lyra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paramphitrite sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pariambus typicus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parougia caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parvicardium ovale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina cernua	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina hispida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perioculodes longimanus	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pharus legumen	0	1	0	3	5	6	0	2	0	1	3	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Phascolion strombus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phaxas pellucidus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phialella quadrata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Philine aperta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe baltica	0	7	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe inornata	0	7	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phoronis muelleri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phoronis sp.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Photis longicaudata	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phtisica marina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phyllodoce groenlandica	0	0	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Phyllodoce laminosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pilumnus hirtellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pinnotheres pisum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pirakia punctifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pisidia longicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Pisione remota	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pista cristata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plumularia setacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarke pallida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarke sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarkeopsis capensis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pododesmus patelliformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poecilochaetus serpens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Polinices pulchellus	0	2	3	4	0	0	1	0	0	2	1	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0
Polycarpa fibrosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polyceridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Polycirrus medusa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polycirrus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polycirrus sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora caulleryi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora ciliata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora flava	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora sp 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius appendiculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius lacteus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polynoidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros lamarcki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros triqueter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontocrates altamarinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontocrates arenarius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontophilus bispinosus neglecta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontophilus trispinosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Procerastea nematodes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Processa parva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protodorvillea kefersteini	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protodrilus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Psammechinus miliaris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudocuma similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudomystides limbata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Pseudoparatanais batei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudopolydora pulchra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudoprotella phasma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudothyone raphanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sabella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sabellaria spinulosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagartia troglodytes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagartiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saxicavella jeffreysi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scalibregma inflatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schistomeringos neglecta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schistomeringos rudolphi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schistomysis spiritus	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schizomavella linearis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis (*Scolelepis*) *bonnieri*	0	0	0	0	0	0	1	0	0	0	0	1	2	1	0	0	0	0	1	1	0	0	4	1	0	0
Scolelepis (*Scolelepis*) *squamata*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis foliosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis tridentata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularella gayi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularia cupressina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sigalion mathildae	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solecurtus scopula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solenidae sp.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodoridium claparedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodorum gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Sphaeroma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis bulbosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis hystrix	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spio armata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Spio decorata	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spio filicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spio martinensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spionidae genus B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spiophanes bombyx	0	6	5	4	0	10	2	2	4	0	1	3	2	0	1	1	0	2	1	0	1	0	0	0	1	0
Spiophanes kroyeri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula elliptica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula sp.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Spisula subtruncata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sponge sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sponge sp. 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenothoe marina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sthenelais boa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sthenelais limicola	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
Streptosyllis websteri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllides sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllidia armata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Synchelidium maculatum	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Tanaopsis graciloides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tapes rhomboides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tellimya ferruginosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terebellidae sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terebellides stroemi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tharyx killariensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thia scutellata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0
Thoralus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thracia phaseolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thracia villosiuscula	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thyone fusus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Timoclea ovata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tmetonyx similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Travisia forbesi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tricellaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tritonia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trypanosyllis zebra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubulanus annulatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia indivisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia larynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Tubuliporas*p.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tunicata sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbicellepora avicularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unicola planipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C1	C2	C3	C4	C5	C6	C7.1	C7.2	C7.3	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18.1	C18.2	C18.3	C19	C20.1	C20.2	C20.3
Upogebia deltaura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Upogebia stellata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urothoe elegans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urothoe marina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina eques	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina felina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Veneridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Verruca stroemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Virgularia mirabilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C21	C22	C24	C26	C29.1	C29.2	C29.3	C32	C34	C35	C36	C38	C39	C40	C41	C43	C44	C45	C46	C47	C48
Abietinaria abietina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abietinaria sp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Abludomelita obtusata	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra alba	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Abra nitida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra prismatica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abra sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achaeus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Achelia echinata	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Acholoe squamosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acidostoma obesum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acteon tornatilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Actinaria	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0

Site Number	C21	C22	C24	C26	C29.1	C29.2	C29.3	C32	C34	C35	C36	C38	C39	C40	C41	C43	C44	C45	C46	C47	C48
Adamsia carciniopados	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adyte pellucida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Aeolidia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aequipecten opercularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aglaophamus rubella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium diaphanum	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium sp.	0	0	1	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Alcyonium digitatum	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Alentia gelatinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes tobianus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca brevicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca diadema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca spinipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca tenuicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampelisca typica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ampharete lindstroemi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphictene auricoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphilocus neapolitanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphipholis squamata	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphitritides gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura brachiata	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0
Amphiura filiformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amphiura sp. Juv.	0	0	0	0	0	0	0	0	1	0	1	0	0	2	0	0	0	0	0	0	0
Anaitides lineata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides longipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C21	C22	C24	C26	C29.1	C29.2	C29.3	C32	C34	C35	C36	C38	C39	C40	C41	C43	C44	C45	C46	C47	C48
Anaitides mucosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anaitides rosea	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Anapagurus laevis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anomiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anoplodactylus petiolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anthura gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aonides oxycephala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aonides paucibranchiata	0	0	3	0	0	17	0	0	0	1	0	0	0	0	0	0	0	0	11	0	0
Aora gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aora sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aoridae sp.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphelochaeta multibranchiis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphelochaeta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apherusa bispinosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphrodita aculeata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arcopagia crassa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Argissa hamatipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aricidea cerrutii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aricidea minuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aricidea sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia conchilega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidiella aspersa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ascidiella*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asterias rubens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Astropecten irregularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C21	C22	C24	C26	C29.1	C29.2	C29.3	C32	C34	C35	C36	C38	C39	C40	C41	C43	C44	C45	C46	C47	C48
Atylus falcatus	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atylus swammerdami	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2
Atylus vedlomensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Autolytus aurantiacus	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Autolytus edwarsi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Autolytus prolifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Axiidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus balanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus crenatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Barnea candida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bathyporeia elegans	1	0	0	0	1	0	0	2	1	3	16	5	6	0	1	0	0	0	0	0	0
Bathyporeia guilliamsoniana	3	1	0	26	42	1	1	9	10	7	38	24	52	1	24	3	4	0	0	3	0
Bispira voluticornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bodotria scorpioides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bougainvillia sp.	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Branchiostoma lanceolatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bugula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callianassa subterranea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callianassidae sp.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calliostoma zizyphinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callopora dumerilii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calycella syringa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Campanulariidae	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Caulleriella alata	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caulleriella zetlandica	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Celleporina hassallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Ceradocus semiserratus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerianthus lloydii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chaetopterus variopedatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chaetozone setosa type B	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Cheirocratus intermedius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheirocratus sundevallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlamys varia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chone duneri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chone fauveli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chorizopora brongniartii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ciona intestinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirratulus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0
Cirrophorus branchiatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clausinella fasciata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clymenura borealis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clytia hemisphaerica	0	0	1	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
Conilera cylindracea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conopeum reticulum	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1
Corbula gibba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corophium bonnellii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corophium sextonae	0	0	3	2	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0
Corystes cassivelaunus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crangon allmanni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crangon crangon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cribrilina punctata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Crisia eburnea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crisia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cylichna cylindracea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demonax cambrensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dendrodoa grossularia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diastylis bradyi	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	0	0	1	0	0	0
Diastylis laevis	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diplecogaster bimaculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dodecaceria concharum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Donax vittatus	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	244	6	0	3	0
Dosinia exoleta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia lupinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dosinia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
*Dotos*p.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tuberosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tumefacta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Ebalia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinocardium cordatum	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0
Echinocyamus pusillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Edwardsia claparedii	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Edwardsia*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ehlersia cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electra pilosa	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Embletonia pulchra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Enipo elisabethae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Ensis arcuatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	6	0	0
Ensis ensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ensis sp. Damaged	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Epilepton clarkiae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ericthonius punctatus	0	0	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Escharella immersa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eteone longa/flava (agg.)	0	0	1	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
Eubranchus sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euchone rubrocincta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euclymene lumbricoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eulalia expusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eulalia mustela	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumida bahusiensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumida sanguinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eumida sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eunice pennata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eurynome aspera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eusyllis blomstrandi	0	0	1	3	0	0	0	7	0	0	0	0	0	0	1	0	0	0	0	0	0
Exogone hebes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exogone naidina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exogone verugera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fabulina fabula	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	1	1	8	0	0	0
Flabelligera affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flustra foliacea	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Folliculinidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathea intermedia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathowenia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Gammaropsis maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gammaropsis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gari fervensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastrosaccus sanctus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastrosaccus spinifer	1	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	1	0	0	0	1
Gattyana cirrosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gibbula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera alba	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Glycera lapidum	0	0	0	0	0	1	2	0	0	1	0	0	0	0	0	0	0	0	8	0	0
Glycera oxycephala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera rouxii	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycera tridactyla	1	0	0	0	0	0	0	0	0	0	2	0	1	9	0	1	1	6	1	9	0
Glycinde nordmanni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gnathia oxyuraea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gnathia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia elongata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golfingia vulgaris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goniada maculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goniadella gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Goniodoris*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goodallia triangularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium halecinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe fragilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe glabra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Harmothoe impar	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe ljungmani	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harmothoe sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hesionura elongata	0	0	0	1	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heteroclymene robusta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hiatella arctica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte sp.	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte varians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippomedon denticulatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrallmania falcata	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydroides norvegica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hypereteone foliosa	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperoplus lanceolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inachus dorsettensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Inachus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphimedia minuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iphinoe trispinosa	0	0	0	0	1	0	0	1	0	0	0	0	1	2	0	0	0	0	0	0	0
Jassa pusilla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kefersteinia cirrata	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laevicardium crassum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lagis koreni	0	0	1	0	0	0	1	1	0	0	0	0	0	3	0	1	0	66	0	0	0
Lanice conchilega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laonice bahusiensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lembos longipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Lembos*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidepecreum longicorne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidonotus squamatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C21	C22	C24	C26	C29.1	C29.2	C29.3	C32	C34	C35	C36	C38	C39	C40	C41	C43	C44	C45	C46	C47	C48
Leptocheirus hirsutimanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptocheirus pilosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptochiton asellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepton squamosum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta bergensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptosynapta inhaerens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Leptosynapta sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leuckartiara octona	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucosolenia botryoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucosolenia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucothoe incisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limaria hians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus depurator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus holsatus	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus marmoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus pusillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liomesis ovum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loxosoma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lumbrineris gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lumbrineris latreilli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lumbrineris sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lyonsia norwegica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lysilla loveni	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia rostrata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mactra stultorum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
Maera othonis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C21	C22	C24	C26	C29.1	C29.2	C29.3	C32	C34	C35	C36	C38	C39	C40	C41	C43	C44	C45	C46	C47	C48
Maerella tenuimana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona alleni	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona filiformis	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magelona johnstoni	3	1	0	0	0	0	1	0	0	2	21	4	13	24	1	66	28	50	1	15	2
Majidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maldanidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malmgrenia lunulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Malmgrenia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Marphysa bellii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mediomastus fragilis	0	0	29	0	0	1	1	0	0	0	0	0	1	1	1	0	0	0	4	0	0
Megaluropus agilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Megamphopus cornutus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Metridium senile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Micromaldane ornithochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microphthalmus similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1
Microprotopus maculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Modiolarca tumida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolula phaseolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus modiolus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moerella donacina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moerella pygmaea	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Molgula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Musculus*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya sp. Juv.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya truncata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysella bidentata	0	0	1	0	0	0	0	0	0	0	1	0	0	3	0	1	0	3	0	1	0

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Mysia undata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysta picta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nebalia bipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Necora puber	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda spp.	0	0	0	0	0	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1
Nematonereis unicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertea spp.	0	0	17	5	0	21	40	4	1	2	0	1	1	3	4	2	1	0	10	0	0
Nemertesia antennina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertesia ramosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neoamphitrite affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys assimilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Nephtys caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys cirrosa	8	1	0	9	15	9	0	0	14	5	4	5	9	0	11	2	2	1	0	4	15
Nephtys hombergii	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0
Nephtys kersivalensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys longosetosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephtys sp. (Juv.)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Nereimyra punctata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis longissima	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis pelagica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis zonata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nicolea venustula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nothria conchylega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notomastus latericeus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notophyllum foliosum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucula nitidosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucula sp. (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Nudibranchia spp.	0	0	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Odontosyllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oligochaeta spp.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Onchidoridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onchidoris depressa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophelia borealis	0	1	0	10	12	5	1	3	3	15	0	2	0	0	5	1	0	0	0	0	2
Ophelina acuminata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiothrix fragilis	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura affinis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura albida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura ophiura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Ophiura sp. Juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiuridae sp. Juv.	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Ophryotrocha puerilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opisthodonta pterochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orbinia sertulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene humilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchomene nanus	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Owenia fusiformis	0	0	10	2	0	1	0	2	0	3	0	0	0	1	0	0	0	33	0	0	9
Paguridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus bernhardus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus cuanensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalina brevirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paradoneis lyra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paramphitrite sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pariambus typicus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parougia caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Parvicardium ovale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina cernua	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina hispida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedicellina sp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Perioculodes longimanus	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pharus legumen	0	0	0	0	0	0	0	0	0	0	1	0	1	3	0	0	0	2	0	2	0
Phascolion strombus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phaxas pellucidus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phialella quadrata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Philine aperta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe baltica	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholoe inornata	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0
Phoronis muelleri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phoronis sp.	0	0	296	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Photis longicaudata	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Phtisica marina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phyllodoce groenlandica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phyllodoce laminosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pilumnus hirtellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pinnotheres pisum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pirakia punctifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pisidia longicornis	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Pisione remota	0	0	0	0	0	27	13	0	0	0	0	0	0	0	0	0	0	0	47	1	0
Pista cristata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plumularia setacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarke pallida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podarke sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Podarkeopsis capensis	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Pododesmus patelliformis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poecilochaetus serpens	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Polinices pulchellus	0	0	4	0	6	0	1	1	1	1	0	0	0	1	1	0	0	2	2	0	1
Polycarpa fibrosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polyceridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polycirrus medusa	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Polycirrus sp.	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
Polycirrus sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora caeca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora caulleryi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora ciliata	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora flava	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora sp 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polydora sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius appendiculatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius lacteus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygordius sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0
Polynoidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros lamarcki	0	0	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros triqueter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Pontocrates altamarinus	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Pontocrates arenarius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontophilus bispinosus neglecta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontophilus trispinosus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Procerastea nematodes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C21	C22	C24	C26	C29.1	C29.2	C29.3	C32	C34	C35	C36	C38	C39	C40	C41	C43	C44	C45	C46	C47	C48
Processa parva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protodorvillea kefersteini	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0
Protodrilus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Psammechinus miliaris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudocuma similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudomystides limbata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudoparatanais batei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudopolydora pulchra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudoprotella phasma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pseudothyone raphanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sabella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sabellaria spinulosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagartia troglodytes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagartiidae sp.	0	0	185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saxicavella jeffreysi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scalibregma inflatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schistomeringos neglecta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schistomeringos rudolphi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schistomysis spiritus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schizomavella linearis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis (*Scolelepis*) *bonnieri*	0	2	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Scolelepis (*Scolelepis*) *squamata*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis foliosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scolelepis tridentata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scoloplos armiger	0	0	1	6	2	8	12	0	1	2	0	0	0	0	5	0	0	0	0	0	0
Sertularella gayi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularella sp.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C21	C22	C24	C26	C29.1	C29.2	C29.3	C32	C34	C35	C36	C38	C39	C40	C41	C43	C44	C45	C46	C47	C48
Sertularia cupressina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Sigalion mathildae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Solecurtus scopula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solenidae sp.	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Sphaerodoridium claparedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerodorum gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaeroma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis bulbosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis hystrix	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerosyllis sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spio armata	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Spio decorata	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Spio filicornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spio martinensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spionidae genus B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spiophanes bombyx	0	0	0	1	0	0	0	0	3	1	9	3	1	0	4	1	0	1	0	0	2
Spiophanes kroyeri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula elliptica	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	108	0	10
Spisula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula subtruncata	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
Sponge sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sponge sp. 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenothoe marina	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Sthenelais boa	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sthenelais limicola	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0
Streptosyllis websteri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C21	C22	C24	C26	C29.1	C29.2	C29.3	C32	C34	C35	C36	C38	C39	C40	C41	C43	C44	C45	C46	C47	C48
Syllides sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllidia armata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis cornuta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syllis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Synchelidium maculatum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tanaopsis graciloides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tapes rhomboides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tellimya ferruginosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Terebellidae sp. Juv.	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Terebellides stroemi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tharyx killariensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thia scutellata	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0
Thoralus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thracia phaseolina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thracia villosiuscula	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
Thyone fusus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Timoclea ovata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tmetonyx similis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Travisia forbesi	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Tricellaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tritonia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trypanosyllis zebra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubificoides benedii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubulanus annulatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia indivisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia larynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Number	C21	C22	C24	C26	C29.1	C29.2	C29.3	C32	C34	C35	C36	C38	C39	C40	C41	C43	C44	C45	C46	C47	C48
Tubularia sp.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*Tubulipora*sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tunicata sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbicellepora avicularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unicola planipes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upogebia deltaura	0	0	19	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upogebia stellata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urothoe elegans	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urothoe marina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina eques	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina felina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Veneridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Verruca stroemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Virgularia mirabilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix 7 Beam Trawl Survey Species List

Class	Family	Species	Authority
Porifera			
		Porifera sp.	
Calcarea	Grantiidae	*Leuconia nivea*	(Grant, 1826)
Demospongiae	Suberitidae	*Suberites* sp	Nardo, 1833
	Chalinidae	*Haliclona oculata*	(Pallas, 1766)
Cnidaria			
Scyphomedusae	Rhizostomatidae	*Rhizostoma octopus*	(Linnaeus, 1758)
Leptolida		Leptolida sp.	
	Tubulariidae	*Tubularia indivisa*	Linnaeus, 1758
	Hydractiniidae	*Hydractinia echinata*	(Fleming, 1828)
	Haleciidae	*Halecium halecinum*	(Linnaeus, 1758)
	Sertulariidae	*Abietinaria abietina*	(Linnaeus, 1758)
	Sertulariidae	*Hydrallmania* sp.	Hincks, 1868
	Sertulariidae	*Hydrallmania falcata*	(Linnaeus, 1758)
	Sertulariidae	*Sertularia cupressina*	Linnaeus, 1758
	Plumulariidae	*Nemertesia* sp.	Lamouroux, 1812
	Plumulariidae	*Nemertesia antennina*	(Linnaeus, 1758)
Octocorallia	Clavulariidae	*Alcyonium digitatum*	Linnaeus, 1758
	Clavulariidae	*Alcyonium glomeratum*	(Hassall, 1843)
Hexacorallia	Actiniidae	Actiniaria sp.	Linnaeus, 1767
	Actiniidae	*Anemonia sulcata*	(Pennant, 1777)
	Actiniidae	*Urticina* sp.	Ehrenberg, 1834
	Actiniidae	*Urticina eques*	(Gosse, 1859)
	Metridiidae	*Metridium senile*	(Linnaeus, 1761)
	Sagartiidae	*Sagartia* sp.	Gosse, 1855
	Sagartiidae	*Sagartia elegans*	(Dalyell, 1848)
	Hormathiidae	*Hormathia coronata*	(Gosse, 1858)
	Hormathiidae	*Adamsia carciniopados*	(Otto, 1823)
Nemertea			
		Nemertea sp.	
Annelida			
Polychaeta	Aphroditidae	*Aphrodita aculeata*	Linnaeus, 1758
		Polynoidae sp.	
	Polynoidae	*Gattyana cirrhosa*	(Pallas, 1766)
	Polynoidae	*Lepidonotus squamata*	(Linnaeus, 1758)
	Spintheridae	*Nereis* sp.	Linnaeus, 1758
	Terebellidae	*Lanice conchilega*	(Pallas, 1766)
	Serpulidae	*Pomatoceros* sp.	Philippi, 1844
	Serpulidae	*Pomatoceros triqueter*	(Linnaeus, 1758)
Chelicerata			
Pycnogonida	Nymphonidae	*Nymphon brevirostre*	Hodge, 1863
	Ammotheidae	*Pycogonum littorale*	(Strom, 1762)
Crustacea			
Maxillopoda	Balanidae	*Balanus crenatus*	Brugière, 1789
Malacostraca	Nannosquillidae	Mysidacea	
Eumalacostraca	Idoteidae	*Idotea linearis*	(Pennant, 1777)
		Decapoda sp.	
	Palaemonidae	*Leander serratus*	(Pennant, 1777)

Class	Family	Species	Authority
	Hippolytidae	*Hippolyte varians*	Leach, 1814
	Processidae	*Processa* sp.	Leach, 1815
	Pandalidae	*Pandalina brevirostris*	(Rathke, 1837)
	Pandalidae	*Pandalus montagui*	Leach, 1814
	Crangonidae	*Crangon crangon*	(Linnaeus, 1758)
	Upogebiidae	*Upogebia deltaura*	(Leach, 1815)
	Paguridae	*Pagurus bernhardus*	(Linnaeus, 1758)
	Paguridae	*Pagurus cuanensis*	Bell, 1845
	Paguridae	*Pagurus prideauxi*	Leach, 1815
	Galatheidae	*Galathea* sp.	Fabricius, 1793
	Galatheidae	*Galathea intermedia*	Liljeborg, 1851
	Galatheidae	*Galathea squamifera*	Leach, 1814
	Porcellanidae	*Pisidia longicornis*	(Linnaeus, 1767)
	Leucosiidae	*Ebalia* sp.	Leach, 1817
	Leucosiidae	*Ebalia cranchii*	cranchii Leach, 1817
	Leucosiidae	*Ebalia tumefacta*	(Montagu, 1808)
	Majidae	Majidae sp.	
	Majidae	*Hyas araneus*	(Linnaeus, 1758)
	Majidae	*Hyas coarctatus*	Leach, 1815
	Majidae	*Achaeus cranchii*	Leach, 1817
	Majidae	*Inachus dorsittensis*	(Pennant, 1777)
	Majidae	*Inachus phalangium*	(Fabricius, 1775)
	Majidae	*Macropodia* sp.	Leach, 1814
	Majidae	*Macropodia deflexa*	Forest, 1978
	Majidae	*Macropodia rostrata*	(Linnaeus, 1761)
	Majidae	*Macropodia tenuirostris*	(Leach, 1814)
	Majidae	*Eurynome aspera*	Leach, 1814
	Corystidae	*Corystes cassivelaunus*	(Pennant, 1777)
	Thiidae	*Thia scutellata*	(Fabricius, 1793)
	Cancridae	*Cancer pagurus*	Linnaeus, 1758
	Portunidae	*Liocarcinus* (Juv.)	Stimpson, 1870
	Portunidae	*Liocarcinus arcuatus*	(Leach, 1814)
	Portunidae	*Liocarcinus depurator*	(Linnaeus, 1758)
	Portunidae	*Liocarcinus holsatus*	(Fabricius, 1798)
	Portunidae	*Liocarcinus marmoreus*	(Leach, 1814)
	Portunidae	*Liocarcinus pusillus*	(Leach, 1815)
	Portunidae	*Necora puber*	(Linnaeus, 1767)
	Portunidae	*Carcinus maenas*	(Linnaeus, 1758)
	Goneplacidae	*Goneplax rhomboides*	(Linnaeus, 1758)
	Xanthidae	*Pilumnus hirtellus*	(Linnaeus, 1761)
	Xanthidae	*Xantho incisus*	Leach, 1814
Mollusca			
Polyplacophora		Polyplacophora sp	
Gastropoda	Trochinae	*Gibbula cineraria*	(Linnaeus, 1758)
	Trochinae	*Gibbula unbilicalis*	(da Costa, 1778)
	Calliostomatinae	*Calliostoma zizyphinum*	(Linnaeus, 1758)
	Polinicinae	*Polinices pulchellus*	(Risso, 1826)
	Muricidae	*Nucella lapillus*	(Linnaeus, 1758)
	Buccininae	*Buccinum undatum*	Linnaeus, 1758
	Buccininae	*Colus gracilis*	(da Costa, 1778)
	Scaphandridae	*Scaphander lignarius*	(Linnaeus, 1758)

Class	Family	Species	Authority
	Nudibranchia	Nudibranchia sp.	
	Tritoniidae	*Tritonia hombergii*	Cuvier, 1803
	Archidorididae	*Archidoris pseudoargus*	(Rapp, 1827)
	Janolidae	*Janolus cristatus*	(delle Chiaje, 1841)
	Aeolidiidae	*Aeolida papillosa*	(Linnaeus, 1761)
Pelecypoda		Pelecypoda sp.	
	Mytilidae	*Mytilus edulis*	Linnaeus, 1758
	Mytilidae	*Modiolus modiolus*	(Linnaeus, 1758)
	Mytilidae	*Modiolus phaseolina*	
	Limidae	*Limaria loscombi*	(G B Sowerby I, 1823)
	Pectinidae	*Aequipecten opercularis*	Linnaeus, 1758)
	Pectinidae	*Pecten maximus*	(Linnaeus, 1758)
	Laevicardiinae	*Laevicardium crassum*	(Gmelin, 1791)
	Laevicardiinae	*Cerastoderma edule*	(Linnaeus, 1758)
	Mactridae	*Spisula elliptica*	(Brown, 1827)
	Pharidae	*Ensis siliqua*	(Linnaeus, 1758)
	Donacidae	*Donax vittatus*	(da Costa, 1778)
	Tapetinae	*Tapes rhomboides*	(Pennant, 1777)
	Myidae	*Mya* sp.	Linnaeus, 1758
Cephalopoda	Sepiidae	*Sepia officinalis*	Linnaeus, 1758
	Sepiolidae	*Sepiola atlantica*	Orbigny in Férussac & Orbigny, 1840
	Loliginidae	*Loligo* sp.	Lamarck, 1798
	Loliginidae	*Loligo forbesii*	Steenstrup, 1856
	Octopodidae	*Eledone cirrhosa*	(Lamarck, 1798)
Bryozoa			
Gymnolaemata	Alcyonidiidae	*Alcyonidium* sp.	Lamouroux, 1813
	Alcyonidiidae	*Alcyonidium diaphanum*	(Hudson, 1762)
	Flustridae	*Flustra foliacea*	(Linnaeus, 1758)
	Bugulidae	*Bugula* sp.	Oken, 1815
Echinodermata			
Asteroidea	Astropectinidae	*Astropecten irregularis*	(Pennant, 1777)
	Solasteridae	*Crossaster paposus*	(Linnaeus, 1767)
	Echinasteridae	*Henricia sanguinoleata*	(O F Müller, 1776)
	Asteriidae	*Asterias rubens*	Linnaeus, 1758
Ophiuroidea	Ophiotrichidae	*Ophiothrix fragilis*	(Abildgaard, 1789)
	Amphiuridae	*Amphiura brachiata*	(Montagu, 1804)
	Ophiuridae	*Ophiura* sp.	Lamarck, 1816
	Ophiuridae	*Ophiura albida*	Forbes, 1839
	Ophiuridae	*Ophiura ophiura*	(Linnaeus, 1758)
Echinoidea	Parechinidae	*Psammechinus miliaris*	(Gmelin, 1778)
	Spatangidae	*Spatangus purpureus*	O F Müller, 1776
	Loveniidae	*Echinocardium cordatum*	(Pennant, 1777)
Holothurioidea	Holothuriidae	Holothuridae sp.	
	Cucumariidae	*Pawsonia saxicola*	(Brady & Robertson, 1871)
	Cucumariidae	*Aslia lefevrei*	(Barrois, 1882)
Chordata			
Ascidiacea	Cionidae	*Ciona intestinalis*	(Linnaeus, 1767)
	Ascidiidae	*Ascidia* sp.	Linnaeus, 1767
	Ascidiidae	*Ascidia conchilega*	O F Müller, 1776
Chondrichthyes	Scyliorhinidae	*Scyliorhinus caniculus*	(Linnaeus, 1758)

Class	Family	Species	Authority
	Rajidae	*Raja brachyura*	Lafont, 1873
	Rajidae	*Raja clavata*	Linnaeus, 1758
	Rajidae	*Raja montagui*	Fowler, 1910
	Rajidae	*Raja naevus*	J Müller & Henle, 1841
Osteichthyes	Clupeidae	*Sprattus sprattus*	(Linnaeus, 1758)
	Gobiesocidae	*Diplecoegaster bimaculata*	(Bonnaterre, 1788)
	Gobiesocidae	*Lepadogaster* sp.	Gouan, 1770
	Gadidae	Gadidae	-
	Gadidae	*Ciliata mustela*	(Linnaeus, 1758)
	Gadidae	*Gadus morhua*	Linnaeus, 1758
	Gadidae	*Gaidropsarus mediterraneus*	(Linnaeus, 1758)
	Gadidae	*Merlangius merlangus*	(Linnaeus, 1758)
	Gadidae	*Trisopterus minutus*	(Linnaeus, 1758)
	Syngnathidae	*Entelurus aequoreus*	(Linnaeus, 1758)
	Syngnathidae	*Syngnathus acus*	Linnaeus, 1758
	Syngnathidae	*Syngnathus rostellatus*	Nilsson, 1855
	Triglidae	*Aspitrigla cuculus*	(Linnaeus, 1758)
	Triglidae	*Eutrigla gurnardus*	(Linnaeus, 1758)
	Cottidae	*Myoxocephalus scorpius*	(Linnaeus, 1758
	Agonidae	*Agonus cataphractus*	(Linnaeus, 1758)
	Carangidae	*Trachurus trachurus*	(Linnaeus, 1758)
	Labridae	*Ctenolabrus rupestris*	(Linnaeus, 1758)
	Trachinidae	*Echiichthys vipera*	Cuvier, 1829
	Blenniidae	*Blennius ocellaris*	Linnaeus, 1758
	Pholididae	*Pholis gunnellus*	(Linnaeus, 1758)
	Ammodytidae	*Ammodytes* sp.	Linnaeus, 1758
	Ammodytidae	*Ammodytes tobianus*	Linnaeus, 1758
	Ammodytidae	*Gymnammodytes semisquamatus*	(Jourdain, 1879)
	Ammodytidae	*Hyperoplus lanceolatus*	(Le Sauvage, 1824)
	Callionymidae	*Callionymus lyra*	Linnaeus, 1758
	Callionymidae	*Callionymus reticulatus*	Valenciennes, 1837
	Gobiidae	*Pomatoschistus minutus*	(Pallas, 1770)
	Scophthalmidae	*Lepidorhombus whiffiagonus*	(Walbaum, 1792)
	Scophthalmidae	*Zeugopterus punctatus*	(Bloch, 1787)
	Bothidae	*Arnoglossus laterna*	(Walbaum, 1792)
	Pleuronectidae	*Limanda limanda*	(Linnaeus, 1758)
	Pleuronectidae	*Microstomus kitt*	(Walbaum, 1792)
	Pleuronectidae	*Platichthys flesus*	(Linnaeus, 1758)
	Pleuronectidae	*Pleuronectes platessa*	Linnaeus, 1758
	Soleidae	*Buglossidium luteum*	(Risso, 1810)
	Soleidae	*Microcheirus variegatus*	(Donovan, 1808)
	Soleidae	*Solea solea*	(Linnaeus, 1758)

Appendix 8 Beam Trawl Survey Raw Data

December 2003 Beam Trawl Survey Results																								
Species	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Porifera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leuconia nivea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suberites sp	0	0	0	0	0	0	0	0	0	0	0	p	0	0	0	0	0	0	0	0	0	0	0	0
Haliclona oculata	0	0	p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhizostoma octopus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia indivisa	0	0	0	p	0	0	0	0	0	0	0	0	0	0	0	0	p	p	0	p	p	0	0	0
Hydractinia echinata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium halecinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	p	0	0	0	0	0	0	0
Abietinaria abietina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	p	0
Hydrallmania sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrallmania falcata	p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	p	0	0	0	0	0	0	0
Sertularia cupressina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertesia antennina	0	0	0	0	p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	p	0
Alcyonium digitatum	5	5	5	4	1	4	5	5	0	0	0	0	4	4	0	0	5	1	4	0	5	5	6	5
Alcyonium glomeratum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Actiniaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anemonia sulcata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina eques	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Metridium senile	0	0	5	0	520	3	0	0	0	3	0	5	6	125	0	0	4	0	0	0	44	0	0	120
Sagartia sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagartia elegans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hormathia coronata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

December 2003 Beam Trawl Survey Results																								
Species	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Nemertea sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphrodita aculeata	1	4	0	1	1	8	1	1	3	1	0	0	5	6	7	2	4	0	0	0	0	15	0	3
Gattyana cirrhosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidonotus squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lanice conchilega	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros triqueter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0
Nymphon brevirostre	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pycogonum littorale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus crenatus	p	p	p	p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	A
Mysidacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decapoda sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leander serratus	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte varians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Processa sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalina brevirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalus montagui	2	0	1	1	0	1	2	2	0	0	0	0	3	2	1	0	0	0	0	0	0	0	0	6
Crangon crangon	10	4	0	2	0	0	4	1	0	0	2	1	0	0	1	1	0	0	2	0	0	0	0	0
Upogebia deltaura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus bernhardus	2	12	3	4	2	6	10	37	36	0	1	3	26	10	9	3	28	6	1	0	21	29	6	1
Pagurus cuanensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus prideauxi	17	72	57	47	25	1	19	66	46	12	1	7	97	26	0	0	42	0	14	0	97	49	48	6
Galathea sp.	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathea intermedia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathea squamifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pisidia longicornis	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	1

December 2003 Beam Trawl Survey Results																								
Species	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Ebalia cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tumefacta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Majidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyas araneus	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0
Hyas coarctatus	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0
Achaeus cranchii	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inachus dorsittensis	0	44	4	0	0	1	2	11	6	0	2	2	13	6	5	0	0	0	0	0	5	2	48	0
Inachus phalangium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Macropodia deflexa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Macropodia rostrata	5	0	4	10	1	1	0	9	0	0	2	1	15	0	4	2	0	2	0	0	0	0	33	3
Macropodia tenuirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eurynome aspera	0	4	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
Corystes cassivelaunus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thia scutellata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cancer pagurus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Liocarcinus (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus arcuatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus depurator	0	0	0	0	3	10	0	0	0	0	1	0	2	18	7	2	0	0	1	0	0	12	32	8
Liocarcinus holsatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus marmoreus	0	0	0	0	0	0	0	0	4	0	0	1	2	2	5	4	0	0	1	0	6	1	0	0
Liocarcinus pusillus	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Necora puber	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Goneplax rhomboides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pilumnus hirtellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0
Xantho incisus	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polyplacophora sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

December 2003 Beam Trawl Survey Results																								
Species	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Gibbula unbilicalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calliostoma zizyphinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polinices pulchellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Nucella lapillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buccinum undatum	2	4	5	2	6	2	0	6	3	0	0	2	15	8	1	0	7	0	2	0	6	93	113	15
Colus gracilis	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
Scaphander lignarius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Tritonia hombergii	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	36	1
Archidoris pseudoargus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Janolus cristatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aeolida papillosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus modiolus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0
Limaria loscombi	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aequipecten opercularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pecten maximus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laevicardium crassum	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
Cerastoderma edule	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula elliptica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Donax vittatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tapes rhomboides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Mya sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sepia officinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sepiola atlantica	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Loligo sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loligo forbesii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eledone cirrhosa	1	2	1	0	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	2
Alcyonidium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Species	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Alcyonidium diaphanum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flustra foliacea	0	0	1	0	5	2	0	0	0	0	0	0	1	5	1	0	0	0	0	0	0	0	0	0
Bugula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Astropecten irregularis	0	0	0	0	0	3	0	0	0	0	0	0	1	8	3	7	0	0	0	0	0	1	4	0
Crossaster paposus	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Henricia sanguinoleata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asterias rubens	3	30	13	11	52	46	22	37	77	4	0	6	85	118	54	40	73	4	8	2	55	171	437	133
Ophiothrix fragilis	15	20	2	0	0	0	23	11	8	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
Amphiura brachiata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura sp.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Ophiura albida	2	4	0	3	12	2	0	0	0	0	0	0	16	0	0	0	44	2	1	0	6	0	0	3
Ophiura ophiura	2	32	8	9	2	2	14	33	56	9	0	22	38	24	41	31	52	0	4	0	36	248	0	0
Psammechinus miliaris	152	456	89	93	0	1	174	320	416	38	6	1	291	52	12	2	118	18	66	5	261	384	834	104
Spatangus purpureus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pawsonia saxicola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aslia lefevrei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ciona intestinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia conchilega	5	4	0	0	0	0	5	8	0	3	0	0	0	0	0	0	0	0	0	0	5	27	16	0
Scyliorhinus caniculus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Raja brachyura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raja clavata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Raja montagui	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raja naevus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Sprattus sprattus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diplecoegaster bimaculata	0	0	0	0	0	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepadogaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0
Ciliata mustela	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Gadus morhua	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gaidropsarus mediterraneus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
Merlangius merlangus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Trisopterus minutus	0	0	0	0	4	7	0	0	0	0	0	1	4	4	1	0	1	0	0	0	0	0	0	12
Entelurus aequoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syngnathus acus	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syngnathus rostellatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Aspitrigla cuculus	0	0	0	0	0	0	0	0	2	0	0	0	2	0	3	0	0	0	1	0	0	2	3	0
Eutrigla gurnardus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	1	0	0
Myoxocephalus scorpius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Agonus cataphractus	0	0	0	0	0	5	0	1	2	0	0	0	15	10	3	0	0	0	0	0	0	8	16	5
Ctenolabrus rupestris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echiichthys vipera	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0
Blennius ocellaris	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
Pholis gunnellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes tobianus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gymnammodytes semisquamatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperoplus lanceolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callionymus lyra	0	9	1	6	1	5	1	3	2	0	0	2	3	5	4	3	13	1	3	0	4	13	13	12
Pomatoschistus minutus	10	4	7	2	0	3	0	4	4	1	0	0	2	0	7	12	4	0	4	0	8	8	0	1
Lepidorhombus whiffiagonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Zeugopterus punctatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arnoglossus laterna	0	5	3	8	4	21	0	1	0	0	0	4	0	9	19	12	4	0	6	1	12	9	2	7
Limanda limanda	0	0	0	0	1	3	0	0	1	0	0	2	6	5	3	8	0	0	0	0	3	5	3	3
Microstomus kitt	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Platichthys flesus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Pleuronectes platessa	0	0	1	0	1	1	0	0	1	1	0	1	0	3	1	1	0	0	0	0	0	0	0	0
Buglossidium luteum	0	1	0	1	0	4	0	0	1	5	0	0	1	0	1	6	0	0	2	0	4	1	0	0
Microcheirus variegatus	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	3	0	0	0
Solea solea	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0

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Species	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**
Porifera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leuconia nivea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suberites sp	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	p	0	p	0	0	0
Haliclona oculata	0	0	0	0	0	0	0	0	0	0	0	p	0	0	0	0	0	0	0	0	0	0	p	0
Rhizostoma octopus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia indivisa	0	p	0	0	0	0	0	0	0	0	p	p	0	0	0	0	0	0	0	p	0	0	0	0
Hydractinia echinata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium halecinum	0	0	0	p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abietinaria abietina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrallmania sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrallmania falcata	0	0	0	0	0	0	0	0	p	0	0	0	0	0	p	0	0	0	0	p	0	0	p	0
Sertularia cupressina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertesia antennina	0	p	0	0	0	0	0	0	p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonium digitatum	5	5	2	1	1	0	1	4	4	4	4	2	1	2	1	1	1	5	6	5	0	5	5	1
Alcyonium glomeratum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Actiniaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anemonia sulcata	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina eques	0	0	1	0	18	8	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	120	0	0
Metridium senile	0	2	0	1	1	0	0	36	33	65	50	167	0	6	4	1	22	364	107	296	102	101	151	62

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Sagartia sp.	0	0	1	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagartia elegans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hormathia coronata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertea sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphrodita aculeata	0	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gattyana cirrhosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidonotus squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lanice conchilega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros triqueter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nymphon brevirostre	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pycogonum littorale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus crenatus	0	0	0	0	0	0	0	p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysidacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decapoda sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leander serratus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte varians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Processa sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalina brevirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalus montagui	6	3	0	0	0	0	0	0	1	11	0	0	0	5	4	0	0	0	0	3	14	4	2	2
Crangon crangon	6	1	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	1	0	2	0	1
Upogebia deltaura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus bernhardus	12	8	3	9	4	2	1	0	0	0	13	3	0	13	8	4	8	0	0	0	7	1	6	2
Pagurus cuanensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus prideauxi	6	52	17	29	12	6	1	1	0	0	1	0	0	7	10	8	6	0	0	0	0	0	1	0
Galathea sp.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathea intermedia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathea squamifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pisidia longicornis	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	6	0	0

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Ebalia cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tumefacta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Majidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyas araneus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0
Hyas coarctatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Achaeus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inachus dorsittensis	0	4	3	5	2	1	1	3	0	1	1	0	0	0	0	0	0	0	5	0	0	14	6	3
Inachus phalangium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	1	0	0	0	0
Macropodia deflexa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia rostrata	0	5	4	7	2	1	0	4	2	6	8	0	0	0	1	0	4	0	9	0	0	27	11	0
Macropodia tenuirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eurynome aspera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Corystes cassivelaunus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thia scutellata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cancer pagurus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Liocarcinus (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus arcuatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus depurator	30	0	0	7	0	0	0	2	1	0	7	58	2	0	0	0	0	0	1	0	5	4	6	2
Liocarcinus holsatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus marmoreus	0	0	0	0	0	0	0	0	0	1	3	5	1	7	0	0	0	0	0	0	1	2	0	2
Liocarcinus pusillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Necora puber	0	0	0	0	0	0	0	1	3	4	1	0	0	0	0	0	0	1	0	2	0	0	0	0
Goneplax rhomboides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pilumnus hirtellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
Xantho incisus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polyplacophora sp	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gibbula unbilicalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calliostoma zizyphinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polinices pulchellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0

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Species	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**
Nucella lapillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buccinum undatum	80	3	3	8	2	0	0	10	0	1	3	5	0	2	3	1	1	1	1	1	1	2	2	0
Colus gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaphander lignarius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tritonia hombergii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	1	0
Archidoris pseudoargus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Janolus cristatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aeolida papillosa	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus modiolus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limaria loscombi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aequipecten opercularis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pecten maximus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laevicardium crassum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Cerastoderma edule	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula elliptica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Donax vittatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tapes rhomboides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya sp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sepia officinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sepiola atlantica	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Loligo sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loligo forbesii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eledone cirrhosa	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	1
Alcyonidium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium diaphanum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flustra foliacea	0	1	0	0	0	0	0	1	4	5	5	1	0	0	0	0	1	4	5	3	0	5	5	3
Bugula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Astropecten irregularis	0	0	0	0	0	1	0	1	0	0	2	1	2	0	4	2	2	0	1	0	0	3	3	1
Crossaster paposus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Henricia sanguinoleata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Asterias rubens	205	31	9	35	15	12	71	117	10	119	158	133	9	11	20	14	49	18	114	60	108	122	118	66
Ophiothrix fragilis	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	3	0	0	0	0	0	0
Amphiura brachiata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura sp.	0	0	0	0	0	0	40	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Ophiura albida	0	3	0	0	0	2	3	1	1	0	1	1	0	0	0	1	0	0	2	0	4	3	2	1
Ophiura ophiura	0	2	2	3	19	61	0	1	0	0	0	126	1	2	5	8	5	2	2	27	35	0	0	0
Psammechinus miliaris	594	140	55	10	3	0	1	1	0	0	2	73	0	0	1	0	0	0	2	0	14	5	4	0
Spatangus purpureus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pawsonia saxicola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aslia lefevrei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ciona intestinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia conchilega	0	6	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scyliorhinus caniculus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raja brachyura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raja clavata	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1
Raja montagui	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Raja naevus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sprattus sprattus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diplecoegaster bimaculata	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepadogaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ciliata mustela	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gadus morhua	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gaidropsarus mediterraneus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Merlangius merlangus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Trisopterus minutus	0	0	1	0	0	0	0	1	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Entelurus aequoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Syngnathus acus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syngnathus rostellatus	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aspitrigla cuculus	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eutrigla gurnardus	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	1

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Myoxocephalus scorpius	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0
Agonus cataphractus	8	2	0	2	0	0	0	0	1	0	0	6	0	1	0	0	3	2	7	0	2	0	4	3
Ctenolabrus rupestris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echiichthys vipera	0	0	0	2	2	1	0	0	0	0	0	0	0	2	1	4	3	0	0	0	0	0	0	0
Blennius ocellaris	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholis gunnellus	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Ammodytes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes tobianus	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Gymnammodytes semisquamatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperoplus lanceolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callionymus lyra	12	3	1	2	1	1	1	0	0	2	2	1	0	1	0	0	4	0	4	3	8	2	5	4
Pomatoschistus minutus	0	11	0	4	3	3	2	0	0	0	4	25	0	0	1	2	7	0	3	4	21	9	14	22
Lepidorhombus whiffiagonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zeugopterus punctatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arnoglossus laterna	4	15	7	23	16	7	7	4	1	2	10	29	1	6	5	11	10	1	1	3	12	9	14	10
Limanda limanda	0	2	1	1	3	6	6	3	1	1	4	5	1	2	2	2	9	0	6	12	23	4	5	6
Microstomus kitt	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Platichthys flesus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pleuronectes platessa	0	0	1	1	2	0	0	0	0	0	1	0	0	2	0	0	0	0	4	1	0	0	2	1
Buglossidium luteum	0	2	4	24	8	11	6	4	0	3	1	27	0	14	12	5	28	0	0	2	22	17	0	17
Microcheirus variegatus	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Solea solea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

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Species	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Porifera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leuconia nivea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suberites sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Haliclona oculata	0	0	0	0	0	0	p	0	0	0	0	p	0	p	0	0	0	0	0	0	0	0	0	0

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Rhizostoma octopus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia indivisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydractinia echinata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium halecinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abietinaria abietina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrallmania sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrallmania falcata	0	p	p	p	0	0	p	p	0	0	p	0	0	0	0	0	p	0	0	0	0	0	0	0
Sertularia cupressina	0	0	0	0	0	0	0	p	p	0	p	p	p	0	0	0	0	p	0	0	0	0	0	0
Nemertesia antennina	0	0	0	0	0	0	0	0	p	0	0	0	0	p	0	0	0	0	0	0	0	0	0	0
Alcyonium digitatum	6	4	3	1	3	1	5	5	4	2	1	0	2	1	1	1	5	5	3	1	5	5	5	0
Alcyonium glomeratum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Actiniaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anemonia sulcata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina eques	0	0	0	0	0	0	4	2	0	0	3	4	0	1	0	0	0	0	0	0	0	0	0	0
Metridium senile	0	1	0	0	35	34	0	0	2	8	5	7	5	54	1	15	0	0	0	0	8	3	2	46
Sagartia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagartia elegans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hormathia coronata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertea sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphrodita aculeata	8	1	0	0	0	2	6	0	8	0	0	1	9	5	2	5	16	6	2	0	20	15	0	0
Gattyana cirrhosa	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Lepidonotus squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lanice conchilega	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros triqueter	0	0	0	0	0	0	19	0	0	0	0	1	10	5	6	3	0	3	0	0	2	0	2	0
Nymphon brevirostre	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pycogonum littorale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus crenatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	p	0
Mysidacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decapoda sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leander serratus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte varians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

March 2004 Trawl Survey Results																								
Species	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Processa sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalina brevirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalus montagui	3	1	0	0	14	2	9	0	0	1	0	0	2	5	1	5	2	0	0	0	1	2	2	3
Crangon crangon	0	1	0	0	2	1	0	0	0	2	0	0	6	0	1	14	1	0	3	0	2	4	0	0
Upogebia deltaura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus bernhardus	0	25	0	2	1	4	63	14	8	2	1	2	8	15	4	4	21	7	2	2	22	35	16	8
Pagurus cuanensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus prideauxi	46	37	17	6	2	0	246	90	120	15	4	6	24	7	2	0	57	42	15	4	83	19	8	3
Galathea sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathea intermedia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathea squamifera	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Pisidia longicornis	0	0	2	0	0	0	0	0	0	1	0	0	1	5	1	0	0	0	0	0	0	0	0	0
Ebalia cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tumefacta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Majidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyas araneus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyas coarctatus	4	3	0	1	0	0	15	10	2	3	0	0	9	0	2	0	4	0	1	0	0	1	2	0
Achaeus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inachus dorsittensis	2	2	0	1	0	0	12	4	2	0	1	0	5	0	0	1	2	1	0	0	6	0	0	0
Inachus phalangium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia deflexa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia rostrata	0	0	0	0	0	1	18	0	2	0	0	0	13	0	6	2	7	1	0	0	1	1	2	5
Macropodia tenuirostris	0	1	0	0	0	0	0	0	0	2	0	0	4	0	0	0	0	0	0	0	0	0	0	0
Eurynome aspera	0	1	0	1	0	0	12	12	8	0	0	0	2	3	2	0	5	7	1	0	1	0	8	1
Corystes cassivelaunus	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0
Thia scutellata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cancer pagurus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus arcuatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus depurator	2	0	0	0	0	0	0	0	0	0	0	0	1	5	2	1	1	0	0	0	11	3	2	2
Liocarcinus holsatus	0	0	12	0	0	0	0	0	0	1	0	0	0	0	2	1	1	1	0	0	2	6	0	1
Liocarcinus marmoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Liocarcinus pusillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Necora puber	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	1
Goneplax rhomboides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pilumnus hirtellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
Xantho incisus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polyplacophora sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gibbula unbilicalis	0	0	0	0	0	0	9	0	0	1	0	0	1	0	0	0	0	2	0	0	0	0	1	3
Calliostoma zizyphinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polinices pulchellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucella lapillus	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buccinum undatum	4	5	1	0	0	0	24	14	22	1	0	2	8	2	2	0	13	14	3	6	30	3	66	27
Colus gracilis	2	0	0	0	0	0	21	10	4	0	0	0	0	0	0	0	3	2	0	0	1	0	0	0
Scaphander lignarius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tritonia hombergii	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Archidoris pseudoargus	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Janolus cristatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aeolida papillosa	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus modiolus	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1
Limaria loscombi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aequipecten opercularis	6	2	0	0	0	0	36	12	54	2	0	0	6	1	0	0	2	9	0	0	7	16	20	0
Pecten maximus	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
Laevicardium crassum	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Cerastoderma edule	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula elliptica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
Donax vittatus	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tapes rhomboides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sepia officinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sepiola atlantica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loligo sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loligo forbesii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eledone cirrhosa	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Alcyonidium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium diaphanum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flustra foliacea	1	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	0	0	0	0	0	0	0

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Bugula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Astropecten irregularis	0	0	0	0	0	0	0	0	0	0	0	2	0	0	5	2	0	0	0	1	0	0	0	0
Crossaster paposus	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Henricia sanguinoleata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asterias rubens	17	37	5	5	3	4	117	54	68	8	0	3	148	56	27	17	46	42	9	4	88	80	246	57
Ophiothrix fragilis	3	2	0	0	0	0	51	18	38	1	0	0	3	0	0	0	0	0	0	0	3	3	0	0
Amphiura brachiata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura albida	4	0	0	0	1	0	69	42	54	0	0	2	16	3	11	4	6	4	0	0	0	5	0	0
Ophiura ophiura	10	2	1	0	3	1	108	36	44	14	6	6	29	7	8	22	39	27	13	6	89	19	0	0
Psammechinus miliaris	193	121	37	13	1	1	1611	404	586	17	2	1	155	15	2	5	326	246	34	15	265	159	196	4
Spatangus purpureus	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Pawsonia saxicola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aslia lefevrei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ciona intestinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia conchilega	0	3	0	0	0	1	3	12	10	3	0	0	3	0	0	0	0	0	0	2	3	0	1	1
Scyliorhinus caniculus	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Raja brachyura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raja clavata	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Raja montagui	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Raja naevus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sprattus sprattus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diplecoegaster bimaculata	0	0	0	0	0	0	6	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0
Lepadogaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ciliata mustela	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0
Gadus morhua	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gaidropsarus mediterraneus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Merlangius merlangus	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0
Trisopterus minutus	1	1	1	0	0	1	0	0	0	0	0	0	5	0	0	6	2	2	1	3	3	2	1	2
Entelurus aequoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syngnathus acus	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Syngnathus rostellatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aspitrigla cuculus	0	0	0	0	0	0	1	3	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Eutrigla gurnardus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

March 2004 Trawl Survey Results																								
Species	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Myoxocephalus scorpius	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
Agonus cataphractus	4	0	0	0	0	0	6	11	4	0	0	0	2	3	0	2	2	1	0	0	9	4	10	0
Ctenolabrus rupestris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echiichthys vipera	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	5	0	0	0	0	1	0	0	0
Blennius ocellaris	2	4	0	0	0	0	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholis gunnellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes tobianus	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	0	0	0
Gymnammodytes semisquamatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperoplus lanceolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callionymus lyra	5	4	0	0	1	1	30	10	11	0	0	1	4	4	0	11	3	6	2	0	18	25	12	1
Pomatoschistus minutus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidorhombus whiffiagonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zeugopterus punctatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arnoglossus laterna	0	1	1	0	2	0	2	1	4	0	0	1	6	5	5	3	6	4	3	1	6	3	1	0
Limanda limanda	2	8	0	1	0	0	3	5	1	2	0	0	2	1	0	1	10	11	4	0	7	9	6	3
Microstomus kitt	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
Platichthys flesus	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1
Pleuronectes platessa	1	1	0	1	0	0	3	1	0	2	0	1	4	1	1	1	0	0	0	0	0	0	0	0
Buglossidium luteum	0	0	0	0	0	1	0	0	4	0	0	0	0	0	0	5	0	0	1	0	2	4	0	0
Microcheirus variegatus	2	0	0	0	0	0	1	0	0	0	0	0	2	1	0	1	1	0	0	0	1	0	0	0
Solea solea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Species	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**
Porifera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leuconia nivea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suberites sp	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Haliclona oculata	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	o	0
Rhizostoma octopus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

March 2004 Trawl Survey Results																								
Species	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**
Tubularia indivisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydractinia echinata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium halecinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abietinaria abietina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrallmania sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrallmania falcata	0	0	p	0	0	0	0	0	0	0	0	0	0	p	p	0	0	0	0	0	p	0	p	0
Sertularia cupressina	0	0	0	p	0	0	0	0	0	0	0	0	0	p	0	0	0	0	0	0	0	p	p	p
Nemertesia antennina	0	p	p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonium digitatum	5	3	1	1	0	1	0	5	5	5	1	1	1	1	0	1	1	5	5	2	1	1	5	1
Alcyonium glomeratum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Actiniaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anemonia sulcata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina eques	0	0	14	6	1	1	0	0	0	0	0	0	0	2	1	1	4	0	0	2	0	0	0	2
Metridium senile	24	0	0	0	0	2	5	63	171	248	128	176	15	3	0	1	2	949	364	142	201	16	39	1
Sagartia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagartia elegans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hormathia coronata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertea sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphrodita aculeata	6	0	3	1	0	1	0	0	0	1	1	10	0	0	0	0	0	0	0	0	0	0	0	0
Gattyana cirrhosa	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
Lepidonotus squamata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lanice conchilega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros triqueter	2	0	0	0	0	0	0	1	0	0	5	5	1	0	0	0	0	0	1	1	1	1	1	0
Nymphon brevirostre	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pycogonum littorale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus crenatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysidacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decapoda sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leander serratus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Hippolyte varians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Processa sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalina brevirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalus montagui	0	0	0	0	1	0	0	0	10	29	2	12	0	0	0	0	0	16	16	7	3	1	3	0
Crangon crangon	2	0	0	0	0	0	0	0	2	0	3	0	1	0	0	0	1	0	1	3	4	0	1	0
Upogebia deltaura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus bernhardus	27	2	6	1	0	0	1	4	4	12	5	25	14	4	4	5	6	1	3	0	0	1	2	1
Pagurus cuanensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus prideauxi	0	3	21	5	12	2	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
Galathea sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathea intermedia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathea squamifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pisidia longicornis	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tumefacta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Majidae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyas araneus	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Hyas coarctatus	3	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	1	0	0	2	0
Achaeus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inachus dorsittensis	11	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	3	0
Inachus phalangium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia deflexa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia rostrata	16	0	0	0	0	0	8	1	2	0	1	4	0	0	0	0	0	3	2	0	1	0	6	1
Macropodia tenuirostris	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
Eurynome aspera	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	0
Corystes cassivelaunus	0	0	0	0	1	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0
Thia scutellata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cancer pagurus	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1
Liocarcinus (Juv.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus arcuatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus depurator	29	1	0	0	0	0	0	3	0	4	58	34	0	2	0	0	0	0	0	1	6	0	0	0

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Liocarcinus holsatus	13	0	0	0	0	0	1	0	1	2	1	0	0	0	0	0	0	4	0	0	0	0	0	0
Liocarcinus marmoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Liocarcinus pusillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Necora puber	0	0	0	0	0	0	0	0	7	8	0	0	0	0	0	0	0	4	2	0	0	0	0	0
Goneplax rhomboides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pilumnus hirtellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Xantho incisus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polyplacophora sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gibbula unbilicalis	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calliostoma zizyphinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polinices pulchellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucella lapillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buccinum undatum	6	0	2	0	0	1	0	0	4	4	4	9	0	0	0	0	0	2	0	0	0	0	0	0
Colus gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaphander lignarius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tritonia hombergii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	3	0
Archidoris pseudoargus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Janolus cristatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aeolida papillosa	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus modiolus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limaria loscombi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aequipecten opercularis	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pecten maximus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laevicardium crassum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerastoderma edule	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula elliptica	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Donax vittatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tapes rhomboides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sepia officinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sepiola atlantica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loligo sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Loligo forbesii	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Eledone cirrhosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium diaphanum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flustra foliacea	1	1	0	0	0	0	1	1	5	1	0	1	0	1	0	0	0	5	2	1	1	0	1	1
Bugula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Astropecten irregularis	0	0	4	4	2	0	0	0	0	0	0	6	5	0	0	0	2	0	0	0	0	2	1	3
Crossaster paposus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Henricia sanguinoleata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asterias rubens	235	10	23	9	2	8	28	46	179	216	207	230	51	33	6	13	29	126	77	77	54	15	66	1
Ophiothrix fragilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	0	0	4	0
Amphiura brachiata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura albida	3	1	2	0	2	0	5	15	0	0	0	2	2	3	0	1	0	2	0	4	0	0	0	0
Ophiura ophiura	0	1	13	1	1	8	17	0	0	0	0	18	4	0	0	0	2	18	6	12	12	1	5	10
Psammechinus miliaris	182	4	33	5	0	0	0	0	0	2	0	19	9	0	0	0	0	0	0	0	0	12	2	0
Spatangus purpureus	0	4	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pawsonia saxicola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aslia lefevrei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ciona intestinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ascidia conchilega	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scyliorhinus caniculus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raja brachyura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raja clavata	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Raja montagui	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0
Raja naevus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sprattus sprattus	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Diplecoegaster bimaculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepadogaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ciliata mustela	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gadus morhua	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gaidropsarus mediterraneus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Merlangius merlangus	0	0	0	0	0	0	0	0	0	0	2	14	7	0	1	4	0	0	0	0	0	0	0	1
Trisopterus minutus	121	0	0	0	0	0	1	0	4	19	4	5	6	0	0	1	3	7	0	1	1	0	0	0
Entelurus aequoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syngnathus acus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syngnathus rostellatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aspitrigla cuculus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eutrigla gurnardus	1	0	0	0	0	0	0	0	0	1	2	0	0	0	0	1	1	0	0	1	2	0	0	0
Myoxocephalus scorpius	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	2	0	1	0	1	0
Agonus cataphractus	1	0	2	1	0	0	0	0	7	1	2	12	0	1	1	0	1	2	0	0	2	0	1	1
Ctenolabrus rupestris	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
Echiichthys vipera	0	1	1	0	1	6	0	0	0	0	1	0	1	2	0	7	4	0	0	2	0	0	1	17
Blennius ocellaris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholis gunnellus	2	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2	0	0	2	0	0	0
Ammodytes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes tobianus	1	0	0	0	0	0	0	0	0	2	0	3	1	4	0	1	0	0	0	2	0	0	1	1
Gymnammodytes semisquamatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperoplus lanceolatus	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callionymus lyra	14	0	1	0	2	0	1	5	1	1	6	14	8	3	0	1	1	3	3	2	4	1	4	1
Pomatoschistus minutus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidorhombus whiffiagonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zeugopterus punctatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arnoglossus laterna	1	1	5	5	1	0	2	3	1	5	7	22	0	3	0	4	7	0	3	0	7	1	7	7
Limanda limanda	3	0	3	0	0	1	1	2	1	0	6	7	4	2	1	4	6	4	5	1	5	8	5	5
Microstomus kitt	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Platichthys flesus	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pleuronectes platessa	2	1	1	1	1	0	2	0	7	3	6	2	0	0	0	0	2	1	1	0	8	4	1	1
Buglossidium luteum	0	0	0	1	0	2	1	1	0	0	0	7	6	1	1	1	14	0	0	1	2	0	0	2
Microcheirus variegatus	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
Solea solea	1	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0

August 2004 Trawl Survey Results

Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Porifera sp.	0	1	0	0	0	0	0	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leuconia nivea	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suberites sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Haliclona oculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhizostoma octopus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia indivisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydractinia echinata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halecium halecinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abietinaria abietina	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrallmania sp.	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	1	0	1	0	1	1	1	0
Hydrallmania falcata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularia cupressina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertesia antennina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonium digitatum	1	0	1	0	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	0	1	1	1	1	0	0	0
Alcyonium glomeratum	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0
Actiniaria sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anemonia sulcata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Urticina eques	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Metridium senile	15	0	15	35	0	180	20	0	0	0	0	4	48	68	0	102	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Sagartia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagartia elegans	0	0	2	0	0	0	0	0	0	0	0	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Hormathia coronata	0	0	13	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5	0	0	0	0	2	0	0	0
Nemertea sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphrodita aculeata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gattyana cirrhosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidonotus squamata	0	0	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nereis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

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Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Lanice conchilega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros sp.	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	1	0	0	0	0
Pomatoceros triqueter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nymphon brevirostre	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pycogonum littorale	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balanus crenatus	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
Mysidacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decapoda sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0
Leander serratus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte varians	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Processa sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Pandalina brevirostris	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalus montagui	2	0	0	3	0	1	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crangon crangon	0	2	0	6	0	4	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Upogebia deltaura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus bernhardus	0	0	4	2	0	32	1	1	0	0	0	2	3	2	0	0	56	0	0	0	0	2	0	112	1	5	0	0	0	0
Pagurus cuanensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus prideauxi	0	5	46	6	0	0	0	0	0	0	0	0	0	0	0	0	48	0	0	0	7	32	0	32	5	0	0	1	0	0
Galathea sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Galathea intermedia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galathea squamifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pisidia longicornis	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	19	9	0	0	0	1	0	0	0	0	0	0	0	0	0
Ebalia cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tumefacta	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	1	0	0	0	0	0
Majidae sp.	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	0	2	0	0	0	0
Hyas araneus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyas coarctatus	0	0	0	0	0	7	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	2	1	0	0	0	0
Achaeus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

August 2004 Trawl Survey Results

Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Inachus dorsittensis	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	1	0	1	0	0	0	1	0	0
Inachus phalangium	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia deflexa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia rostrata	2	1	8	2	0	8	2	0	0	0	0	1	2	3	0	5	0	0	0	0	3	11	1	5	3	1	1	1	11	0
Macropodia tenuirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Eurynome aspera	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
Corystes cassivelaunus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thia scutellata	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cancer pagurus	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus (Juv.)	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Liocarcinus arcuatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus depurator	8	0	1	4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus holsatus	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	1	0	2	0	0	0	0	0	0	0
Liocarcinus marmoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus pusillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Necora puber	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goneplax rhomboides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pilumnus hirtellus	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Xantho incisus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polyplacophora sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gibbula unbilicalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calliostoma zizyphinum	0	0	0	0	0	16	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polinices pulchellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucella lapillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buccinum undatum	0	0	0	0	0	8	0	0	0	0	0	1	0	0	0	1	8	0	0	0	0	0	0	8	3	0	0	0	0	0
Colus gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaphander lignarius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

August 2004 Trawl Survey Results

Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Tritonia hombergii	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	1	0	0	1	0	0	0	1	0
Archidoris pseudoargus	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Janolus cristatus	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aeolida papillosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus modiolus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limaria loscombi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aequipecten opercularis	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	8	0	0	0	0	0	0
Pecten maximus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laevicardium crassum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerastoderma edule	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula elliptica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Donax vittatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tapes rhomboides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sepia officinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Sepiola atlantica	0	0	0	0	0	4	0	0	1	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	1	0	1	0	0	0
Loligo sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	0	0	0	0	0	0	0	0
Loligo forbesii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eledone cirrhosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium sp.	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	0	0	0	0	1	0	1	0
Alcyonidium diaphanum	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flustra foliacea	1	0	0	1	0	1	0	0	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Bugula sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Astropecten irregularis	0	0	0	1	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
Crossaster paposus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Henricia sanguinoleata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asterias rubens	24	0	12	58	6	192	121	1	0	3	0	0	31	40	5	32	112	0	4	0	5	5	6	56	11	7	10	4	0	0
Ophiothrix fragilis	0	0	1	2	0	3	0	0	0	0	0	0	1	0	0	3	172	0	0	0	0	0	0	40	4	2	0	0	0	0

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Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Amphiura brachiata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Ophiura sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura albida	0	0	23	1	0	0	0	0	0	1	0	0	5	4	1	1	104	0	0	0	0	1	0	80	2	5	0	0	0	0
Ophiura ophiura	0	1	39	4	0	0	0	1	1	2	0	2	13	12	1	0	32	0	0	0	3	16	1	8	0	2	1	3	0	0
Psammechinus miliaris	0	0	286	18	1	120	0	13	0	0	0	0	0	2	3	0	848	0	0	2	7	14	0	296	31	24	0	0	0	0
Spatangus purpureus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Pawsonia saxicola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aslia lefevrei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0
Ciona intestinalis	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	1	0	0	0	0	0
Ascidia conchilega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
Scyliorhinus caniculus	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raja brachyura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Raja clavata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raja montagui	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raja naevus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sprattus sprattus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diplecoegaster bimaculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepadogaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ciliata mustela	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gadus morhua	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gaidropsarus mediterraneus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Merlangius merlangus	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trisopterus minutus	0	0	0	23	0	52	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Entelurus aequoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syngnathus acus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syngnathus rostellatus	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Aspitrigla cuculus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Eutrigla gurnardus	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0

August 2004 Trawl Survey Results

Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Myoxocephalus scorpius	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agonus cataphractus	0	0	0	1	0	5	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ctenolabrus rupestris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echiichthys vipera	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Blennius ocellaris	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0
Pholis gunnellus	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes sp.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Ammodytes tobianus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Gymnammodytes semisquamatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperoplus lanceolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callionymus lyra	0	0	5	1	0	1	0	0	0	0	0	2	1	4	0	1	4	0	2	0	0	0	0	2	5	1	0	2	0	0
Pomatoschistus minutus	1	4	5	7	1	4	12	0	0	1	0	2	21	26	4	8	0	0	0	0	0	1	4	8	5	0	4	1	0	0
Lepidorhombus whiffiagonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zeugopterus punctatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arnoglossus laterna	0	2	4	2	0	0	4	0	1	0	0	0	0	2	0	2	0	0	0	0	1	2	1	0	1	4	4	0	0	0
Limanda limanda	2	0	0	0	0	0	4	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Microstomus kitt	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Platichthys flesus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pleuronectes platessa	0	0	1	0	0	0	3	0	0	0	0	1	0	2	1	4	0	0	0	1	0	0	1	1	0	1	2	0	0	0
Buglossidium luteum	5	0	1	0	0	0	5	1	0	6	0	2	6	7	0	1	1	0	0	0	1	5	2	1	1	2	1	0	0	0
Microcheirus variegatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solea solea	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

August 2004 Trawl Survey Results																								
Species	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**C1**	**C2**	**C3**	**C4**	**C5**	**C6**
Porifera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Leuconia nivea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suberites sp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Haliclona oculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhizostoma octopus	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tubularia indivisa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydractinia echinata	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Halecium halecinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abietinaria abietina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrallmania sp.	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Hydrallmania falcata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sertularia cupressina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemertesia antennina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonium digitatum	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0
Alcyonium glomeratum	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Actiniaria sp.	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Anemonia sulcata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticina eques	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Metridium senile	0	0	0	1	11	4	1	1	51	0	36	4	0	0	0	5	2	0	0	2	0	5	2	0
Sagartia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sagartia elegans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hormathia coronata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
Nemertea sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aphrodita aculeata	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Gattyana cirrhosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidonotus squamata	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Nereis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lanice conchilega	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomatoceros sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

August 2004 Trawl Survey Results																								
Species	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**C1**	**C2**	**C3**	**C4**	**C5**	**C6**
Pomatoceros triqueter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nymphon brevirostre	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pycogonum littorale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Balanus crenatus	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Mysidacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decapoda sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leander serratus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hippolyte varians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Processa sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalina brevirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandalus montagui	1	0	0	0	1	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Crangon crangon	0	0	0	0	0	0	13	10	0	6	0	0	0	0	0	1	1	0	184	0	18	0	0	0
Upogebia deltaura	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pagurus bernhardus	2	0	180	0	0	7	7	8	16	4	32	2	128	0	2	4	2	30	1	0	0	1	0	0
Pagurus cuanensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
Pagurus prideauxi	2	0	36	1	0	0	3	0	0	0	2	0	24	0	1	30	11	72	0	0	0	0	0	0
Galathea sp.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	6	0	0	0	0	0	0
Galathea intermedia	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Galathea squamifera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pisidia longicornis	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia cranchii	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ebalia tumefacta	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Majidae sp.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0
Hyas araneus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyas coarctatus	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Achaeus cranchii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inachus dorsittensis	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
Inachus phalangium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0
Macropodia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macropodia deflexa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

August 2004 Trawl Survey Results																								
Species	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**C1**	**C2**	**C3**	**C4**	**C5**	**C6**
Macropodia rostrata	0	0	0	1	1	6	16	0	0	1	0	3	1	0	2	3	2	6	0	0	2	16	47	0
Macropodia tenuirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eurynome aspera	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Corystes cassivelaunus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thia scutellata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cancer pagurus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Liocarcinus (Juv.)	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus arcuatus	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus depurator	0	0	0	0	0	0	5	3	3	2	52	0	0	1	0	0	0	0	4	1	0	2	3	1
Liocarcinus holsatus	0	0	0	0	0	1	4	16	11	8	36	0	0	0	0	0	0	0	0	0	0	0	1	0
Liocarcinus marmoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liocarcinus pusillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Necora puber	0	1	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Goneplax rhomboides	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pilumnus hirtellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Xantho incisus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polyplacophora sp	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gibbula unbilicalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calliostoma zizyphinum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polinices pulchellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucella lapillus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buccinum undatum	0	0	24	1	0	0	3	0	3	0	8	0	16	0	0	0	0	12	0	0	0	2	0	0
Colus gracilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaphander lignarius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tritonia hombergii	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
Archidoris pseudoargus	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Janolus cristatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aeolida papillosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiolus modiolus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Limaria loscombi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

August 2004 Trawl Survey Results																								
Species	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**C1**	**C2**	**C3**	**C4**	**C5**	**C6**
Aequipecten opercularis	0	0	24	0	0	2	0	0	0	1	0	0	16	0	2	0	0	20	0	0	0	0	0	0
Pecten maximus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laevicardium crassum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerastoderma edule	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spisula elliptica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Donax vittatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tapes rhomboides	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mya sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sepia officinalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sepiola atlantica	0	0	0	0	1	0	4	3	0	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Loligo sp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
Loligo forbesii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eledone cirrhosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcyonidium sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Alcyonidium diaphanum	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Flustra foliacea	0	0	0	0	1	1	1	1	1	0	1	1	0	0	1	0	0	0	0	0	0	1	0	0
Bugula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Astropecten irregularis	0	0	0	0	0	2	3	10	2	6	20	0	0	0	0	0	0	0	4	0	1	0	0	0
Crossaster paposus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Henricia sanguinoleata	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asterias rubens	1	2	60	3	3	105	24	134	153	49	254	7	72	1	4	1	1	48	508	70	18	174	88	36
Ophiothrix fragilis	0	0	36	0	0	0	0	0	0	0	0	0	64	0	1	1	0	42	0	0	0	1	0	0
Amphiura brachiata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophiura albida	0	0	112	0	0	2	4	0	0	0	4	0	128	0	0	0	0	48	0	0	0	0	0	0
Ophiura ophiura	1	0	36	1	0	0	6	12	16	34	124	1	56	0	0	6	2	30	3168	182	2	0	0	34
Psammechinus miliaris	0	0	0	8	1	86	2	3	2	7	2	0	512	0	1	30	1	420	0	0	0	30	4	0
Spatangus purpureus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pawsonia saxicola	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0
Aslia lefevrei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

August 2004 Trawl Survey Results																								
Species	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**C1**	**C2**	**C3**	**C4**	**C5**	**C6**
Ciona intestinalis	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	5	1	12	0	0	0	0	0	0
Ascidia conchilega	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scyliorhinus caniculus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raja brachyura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raja clavata	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Raja montagui	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raja naevus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sprattus sprattus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diplecoegaster bimaculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepadogaster sp.	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	2	0	0	0	0	0	0
Ciliata mustela	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gadus morhua	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gaidropsarus mediterraneus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Merlangius merlangus	0	0	0	0	0	0	0	2	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Trisopterus minutus	0	0	0	1	15	0	7	4	2	0	14	0	0	0	2	0	0	1	0	0	0	1	0	0
Entelurus aequoreus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syngnathus acus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syngnathus rostellatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1
Aspitrigla cuculus	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eutrigla gurnardus	0	0	0	0	0	0	0	2	2	2	0	0	0	0	0	0	0	3	0	1	0	0	0	0
Myoxocephalus scorpius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agonus cataphractus	0	0	0	0	0	1	0	2	2	1	2	0	0	0	1	0	0	0	0	0	0	0	5	0
Ctenolabrus rupestris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echiichthys vipera	1	0	0	0	0	0	0	10	1	4	1	0	0	0	0	0	0	0	6	2	15	0	0	9
Blennius ocellaris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pholis gunnellus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammodytes tobianus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gymnammodytes semisquamatus	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Hyperoplus lanceolatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

August 2004 Trawl Survey Results																								
Species	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**C1**	**C2**	**C3**	**C4**	**C5**	**C6**
Callionymus lyra	0	0	6	1	0	2	0	1	5	0	5	1	9	0	0	0	0	2	28	0	1	1	3	0
Pomatoschistus minutus	2	1	0	0	0	6	24	11	25	7	14	3	0	0	1	14	0	6	12	23	7	5	6	2
Lepidorhombus whiffiagonus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zeugopterus punctatus	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arnoglossus laterna	0	1	0	0	0	4	9	4	5	6	5	1	0	0	1	0	1	0	1	1	0	0	3	0
Limanda limanda	0	0	0	0	1	0	1	2	5	1	119	2	0	0	0	0	0	0	2	3	2	1	14	0
Microstomus kitt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Platichthys flesus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pleuronectes platessa	1	0	0	0	0	2	1	0	5	2	6	2	0	0	0	0	0	2	1	0	1	2	8	2
Buglossidium luteum	3	0	0	0	0	1	5	0	8	7	64	2	0	0	1	0	0	0	9	3	1	1	16	6
Microcheirus variegatus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solea solea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

Appendix 9 Fish Length data (mm)

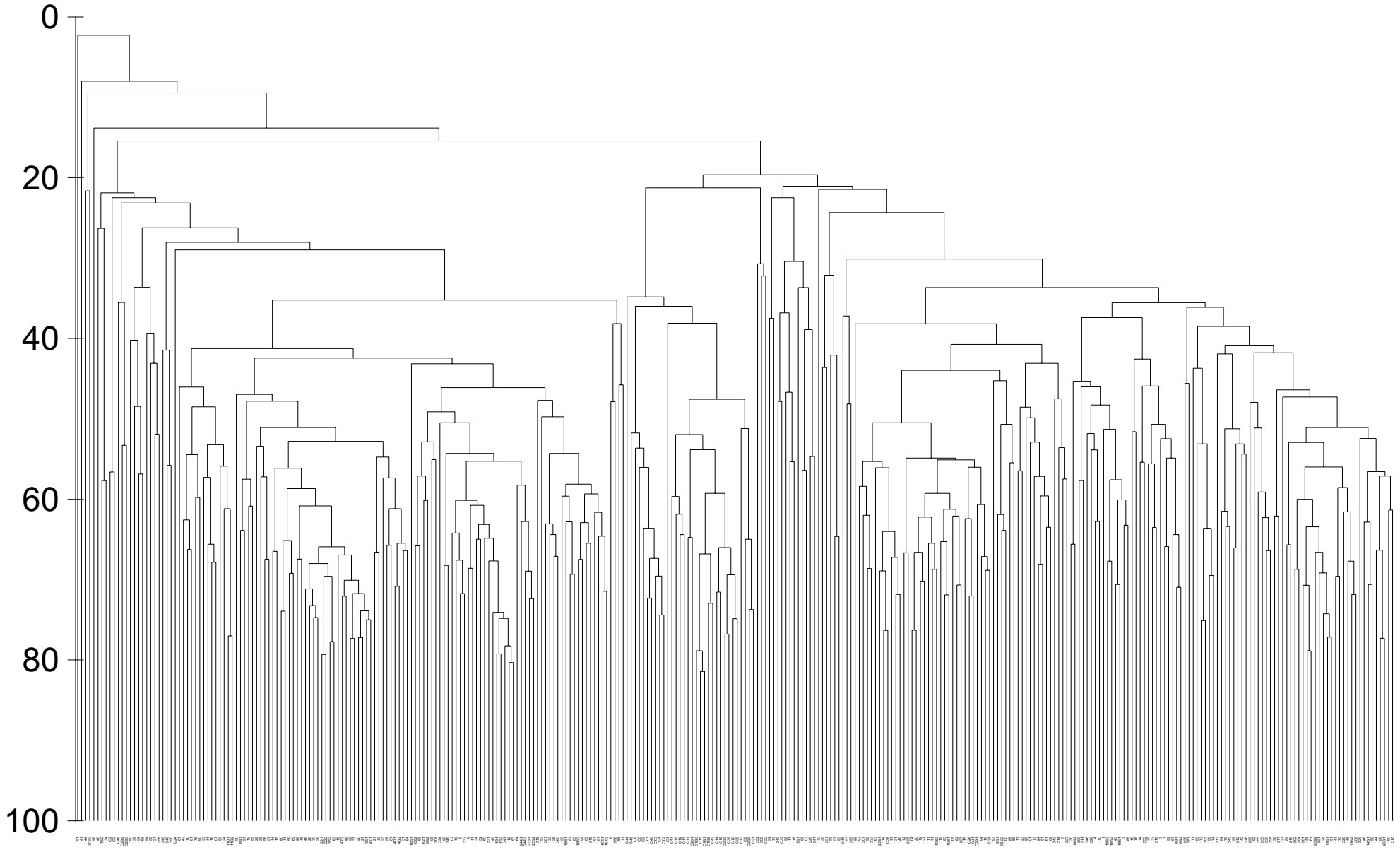
December 2003 survey																																					
Site no	**1**	**3**	**5**	**6**	**8**	**9**	**10**	**12**	**13**	**14**	**15**	**16**	**17**	**21**	**22**	**23**	**24**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**
Dab	83 144 164 243 168			202 191 101		216			176 177 184 198 179 198	181 209 178 184 235	170 144 128	189 176 182 165 168 170 123 126	243 168	37 57 58	64 202 216 160 73	214 230 232	194 183 222	201 183	175	158	152 194 67	170 155 182 159 149 123	168 236 127 162 178 184	71 152 177	151	160	174 181 165 117	245 230 152 165 146	214	191 193	164 143	182 176	166 158 140 182 176 184 173 144 95		149 182 213 215 208 154
Plaice	148 212	258	227	246		241	304	305		212 259 236	131	234							174	241	218 218						157			244 219					274 176 206 199
Sole	278												233																						
Thickback sole		194			151								124	196 35																					
Lesser spotted dogfish																	F92																		
																	M84																		
Thornback ray													f(NM)														f330	f125							
Cuckoo ray													m268																						
Spotted ray																																	306		
Whiting																															166				

March 2004 survey																													
Site no	**2**	**3**	**4**	**6**	**7**	**8**	**9**	**10**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**
Dab	193 184 245 260 180 189 176 157		179		210 170 200	200 170 150 160 180	170	201 162		262 370	200		161	152 137 174 161 223 219 253 153 162 149	162 173 152 203 188 184 156 169 170 207 211	211 228 180 203		214 195 153 146 124 65 168	196 198 163 214 148 155 140 150 152	169 258 215 146 169 235	122 143 120	179 210 205		170 152 150			192	195	132 131	216
Plaice	242		273		240 230 210	250		209 210	241	270 210 220 160	400	140	228									128 153	250	240	237	230		288 196		166 241 224 178 168 153 178
Sole																						332								
Thickback sole					240					241 220	230		117	133				135												
Lesser spotted dogfish								F585		f642																				
Thornback ray								m365																		m625				
Spotted ray	m123							m106											m117											
Whiting			181	176									153 196 207 160 157 118																	
Poor cod	127	107		111						98 107 106 100 89				122 118	113 95	113	109 131 130	158 160	124 111		122 119	121					98		126 142 115 128

March 2004 survey																													
Site no	**2**	**3**	**4**	**6**	**7**	**8**	**9**	**10**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**
Lemon sole											70				111															
Flounder									132		100										144									

August 2004 survey																																	
Site no.	**1**	**3**	**6**	**7**	**12**	**13**	**14**	**15**	**16**	**20**	**23**	**24**	**26**	**27**	**31**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**45**	**46**	**48**	**C1**	**C2**	**C3**	**C4**	**C5**	**C6**
Pleuronectes platessa		299		209 186 215	222		190 218	228	229 225 200 231	217	196	244	210	207 239 192 197	209		222 206	229		315 200 252 194 250 156	207 197	261 231 101 271 245 230	235 207			375 250	117		142	328 270	196 256 191 195 199 199 186 156	300 270
Limanda limanda	156 165			188 160 158 212		187								208		186		184	204 183	201 185 190 164 172	174	222 186 175 158 183 191 175 181 161 165 193 170 175 157 185 154 175 184 228	165 192				72 188	136 169 152	176 54	239	181 167 146 136 137 140 171 155 144 130 129 201 142 175	
Scyliorhinus canalicula			503				690f		700f																								
Microstomus kitt			193																														
Raja brachyura (CL)													268																				
Raja clavata (CL)																		284m		394f		305f											
Merlangius merlangus																			108 96		119 118	140 115											
Solea solea																											305						
Zeugopterus punctatus																	171																

Appendix 10: Dendrogram displaying the % similarity between benthic fauna from each grab survey site.



6.2. Appendix 2

Baseline Visual & Acoustic Marine Mammal Surveys at Gwynt y Môr

Baseline Visual & Acoustic Marine Mammal Surveys at Gwynt y Môr

Final Report to npower renewables
Institute of Environmental Science
University of Wales, Bangor

2005

John C. Goold
Susannah V. Calderan
Lynda L. Goold

Citation:
Goold J.C., Calderan S.V. and Goold L.L. (2005). *Baseline visual and acoustic marine mammal surveys at Gwynt y Môr.* Final Report to npower renewables, June 2005. University of Wales, Bangor.

Acknowledgements

A number of people have contributed to the successful completion of this project. We would like to thank Dr. Peter Evans and the Seawatch Foundation for supplying updatedi nformation for section 1 of this report. For the fieldwork elements we would like to thank Captain Steve Duckworth and the crew of the RV Prince Madog, and Nick Longfield of Ocean Marine Research Ltd and David Gardener. Thanks are also due to David Critchlow, Gareth Duguid, Ewan Wakefield and Nick Tregenza. Lastly we would like to thank Carol Mitchell of npower renewables for her skilful and patient facilitation of this project, and to npower renewables themselves for funding these investigations into a poorly studied region of the Irish Sea.

Foreword

The Gwynt y Môr site sits adjacent to the Rhyl coastline, between Liverpool and the Dee Estuary to the east, and Llandudno and Anglesey to the west. There has been little detailed or systematic study of the marine mammal fauna in this area, even casual sightings are relatively scarce. Development of the surrounding area has already begun; the North Hoyle wind farm, the first major wind farm to be completed off the UK coast, now stands in place with 30 operational turbines. In addition to Gwynt y Môr and North Hoyle, there is a further potential site for development at Rhyl Flats. To date, environmental assessments for marine mammals at these sites have only been able to draw upon literature reviews, much of which is based upon scarce or low-resolution data. Gathering dedicated baseline data on the poorly understood distribution and occurrence of marine mammals that use the area is an imperative for a comprehensive environmental assessment of the site.

In December 2003 a contract was let to the University of Wales, Bangor, to conduct baseline surveys across the EIA area for Gwynt y Môr. This survey work adopted several approaches and aimed to build a picture of the occurrence and distribution of the cetacean species that use the area. Although the contract was specific to cetaceans (whales, dolphins and porpoises), pinnipeds (seals) were included by mutual agreement. The bulk of the survey work took place between December 2003 and and November 2004 inclusive.

This project constitutes a number of broad steps. The first was a review of the current state of knowledge of marine mammal occurrence and distribution in and around the Gwynt y Môr site. This review is presented in Part 1 of this report. Second was the implementation of dedicated marine mammal surveys across the Gwynt y Môr site, the findings of which are presented in Part 2 of this report. Finally, this project will inform the environmental impact assessment for the Gwynt y Môr project.

Executive Summary

Marine Mammal Surveys were undertaken across the Gwynt y Môr project area for a complete annual cycle from December 2003 – November 2004, plus an extended period of static acoustic monitoring until March 2005. Visual and acoustic line transect surveys were mounted from a 30m research ship, static TPOD data loggers were deployed at 3-stations within the survey area, and land based surveys were conducted from the Great Ormes' Head.

The species sighted and detected during the surveys were the grey seal, the harbour porpoise, and the bottlenose dolphin. Grey seals and harbour porpoise were the primary species present; bottlenose dolphin were sighted or detected infrequently. The vessel based line transect data show a seasonal pattern to grey seal and harbour porpoise occurrence and distribution in the area. From December to March, sighting and acoustic detection numbers were low, followed by a notable increase in April continuing through to May. Sightings from the transects reduced to zero during June and July, although unfavourable sea state during those months may be partially responsible; towed acoustic detections continued at moderate levels through June and July. Sightings resumed at moderate levels in August but reduced again from September to November; with one notable exception of grey seal sightings showing a second peak in September. Towed acoustic detections of harbour porpoise fell in August then increased from September through to their highest level in November.

The static TPODs provided a more or less continuous data stream of porpoise detection events, and the data indicate that the project area is utilised year round by harbour porpoise. Further, the data show what appear to be seasonal patterns to harbour porpoise activity within the survey area. All three deployments registered relatively low levels of porpoise click activity during the summer. The Offshore mooring registered a notable rise in click activity from January – March, and the Constable Bank mooring registered a notable rise in activity during April, the latter coinciding with peak sighting numbers from the transect surveys. All three deployments suggest a pattern of reduced activity during the summer relative to autumn and winter periods.

Land based sightings of harbour porpoise occurred in the inshore waters around the Great Orme in 8 out of 9 months surveyed, from March - November. The percentage of porpoise positive scans was highest in the spring and autumn. The highest relative abundance of porpoises tended to increase from March to November, and was at its highest in November.

Seal sightings were relatively infrequent and seal positive scans occurred in only 3 of the 9 months surveyed. A group of 20 bottlenose dolphins was sighted during the November survey. Overall the data strongly suggest a seasonal pattern of occurrence and distribution of marine mammals within the project area. Although it is not possible to be definitive, the observations are consistent with an inshore migration of harbour porpoise around April time, probably to breed and calve in Welsh inshore waters, followed by an offshore migration in late Autumn. This observation is consistent with current knowledge of harbour porpoise biology on a broad scale across Liverpool Bay and the Irish Sea. First year calves and juveniles are seen off the Anglesey coast in summer months, but neonate strandings data suggests that the primary calving grounds in Wales may lie from Cardigan Bay southwards. Given the lack of calf sightings across the project area it is unlikely that the area represents a critical breeding habitat for harbour porpoise; however it may be seasonally important for feeding and migrating adults, which likely includes pregnant females. It is likely that grey seals utilise the project area for foraging, and their inshore shift in distribution between April and September is consistent with inshore movement of certain prey fish species. Other species of marine mammal are considered to be transient or occasional visitors.

PART 1: Review of Marine Mammal Distribution in the Irish Sea

1. Review of Marine Mammal Distribution in the Irish Sea

Marine mammals in UK waters

1.1. Over 20 species of marine mammal are found in UK waters (Stone, 2003), both from the order Cetacea, comprising whales dolphins and porpoises, and the order Carnivora, more specifically the Family Phocidae – seals. Within the order Cetacea lie the suborders of Mysticeti, the baleen whales, and Odontoceti, the toothed whales. The latter group comprises over 70 species of whales, dolphins and porpoises demonstrating significant size and ecological variations.

1.2. Some of the species which are in present UK waters are sighted only rarely, and are likely to be simply passing through UK seas. Others are sighted more frequently, either recorded annually as seasonal visitors or maintaining a consistent presence. In the Northern Irish Sea/Liverpool Bay area, these comprise species usually associated with coastal waters:

Order Carnivora

Family Phocidae

Grey seal (*Halichoerus grypus*)

Order Cetacea

Suborder Mysticeti

Minke whale (*Balaenoptera acutorostrata*)

Suborder Odontoceti

Harbour porpoise (*Phocoena phocoena*)

Common dolphin (*Delphinus delphis*)

Bottlenose dolphin (*Tursiops truncatus*)

Long-finned pilot whale (*Globicephala melas*)

Risso's dolphin (*Grampus griseus*)

Killer whale (*Orcinus orca*)

(CMACS, 2002; NWP Offshore Ltd., 2002; Stone, 2003; Reid et al., 2003)

1.3. All those marine mammals listed in Paragraph 1.2. are protected under UK and EU law: all cetaceans in the UK are protected under Schedule 5 of the Wildlife and Countryside Act 1981; all cetaceans are listed on Annex IV of the EU Habitats and Species Directive (EC, 1992), and harbour porpoise, bottlenose dolphin and grey seals are also listed on Annex II of the Directive.

The study area – background

1.4 The Gwynt y Môr study area includes the waters of the Northern Irish Sea and Liverpool Bay, and is illustrated in Figure 1.1. It is delimited by the coordiates given in Table 1.1, and lies adjacent to a largely straight, north-facing coast of Wales which is predominantly sandy, and is characterised by drying sandbanks and shallow waters (Morris, 1999). These features are compounded by the large tidal range (e.g. approximately 5m on spring tides at Llandudno and Hilbre Island, to the west and east respectively of the study area (C-Map Electronic Chart system)). Depths in the study area are seldom greater than 30m beneath chart datum (C-Map Electronic Chart System). The seabed surface consists of sand/mud with some gravel (NWP Offshore Ltd., 2002; JNCC, 2003; CEFAS, 2004). This, and the frequently windy conditions of this coastline, contribute to the clarity of the water often being poor.

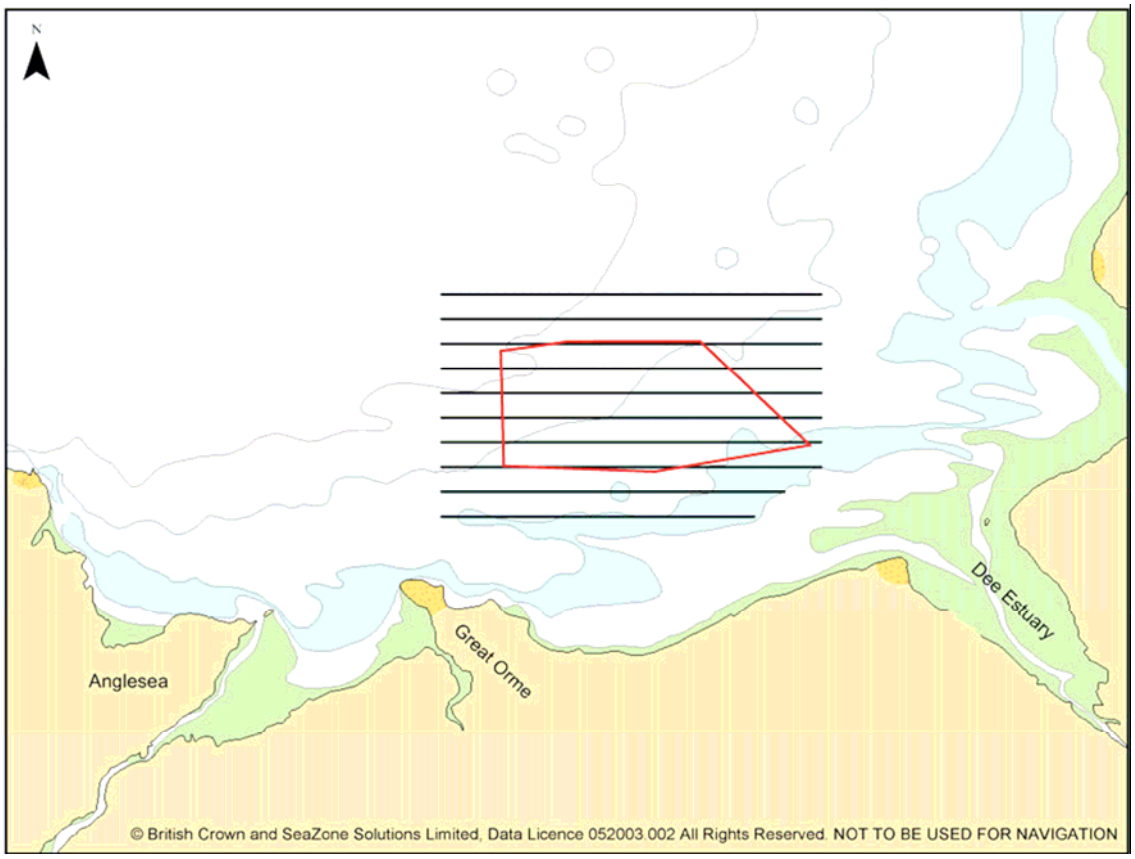


Figure 1.1. Chart showing the Gwynt y Môr study area (red polygon) and marine mammal survey transect lines (black horizontal lines). Inset box identifies the area in relation to the British Coastline.

Latitude		Longitude	
Degrees	**Minutes**	**Degrees**	**Minutes**
53	29.7119 N	003	46.0259 W
53	30.1014 N	003	41.5221 W
53	30.1088 N	003	32.6486 W
53	25.8667 N	003	25.2333 W
53	24.7657 N	003	35.7693 W
53	24.9872 N	003	45.9266 W

Table 1.1. Gwynt y Môr study area coordinates, illustrated graphically by the six-sided red polygon in Figure 1.1.

1.5 The fish species in the area are typical of its seabed type – a range of flatfish and demersal species including whiting (*Merlangius merlangus*), dab (*Limanda limanda*), plaice (*Pleuronectes platessa*) and sole (*Solea solea*); Liverpool Bay is also an important spawning area and nursery ground for plaice and sole (Coull et al., 1998; CMACS, 2002; JNCC, 2003; CEFAS, 2004). The four target commercial demersal species in the area are plaice, sole, whiting and cod (*Gadus morhua*), although of these only plaice is considered to be within ICES safe biological limits (CEFAS, 2001). Pelagic species such as sandeel (Ammodytidae) and sprat (*Spratus spratus*) are also present in the area, as are elasmobranches (skates, rays and sharks) and shellfish, chiefly the brown shrimp (*Crangon crangon*) (CMACS, 2002; NWP Offshore Ltd., 2002; CEFAS, 2004).

1.6. The fishing activity occurring along this coast is both commercial (chiefly beam trawling) and recreational (JNCC, 2003). Other commercial uses of the area around the study site include aggregate extraction, offshore oil and gas rigs, the Douglas oil rig lying to the northern boundary of the study area; ferries and commercial shipping, and the existing wind turbine site of North Hoyle in the southeast of the study site (JNCC, 2003).

Marine mammals in the study area

1.7. As discussed, the marine mammals sighted in the waters of the Northern Irish Sea and Liverpool Bay with some consistency are harbour porpoise, bottlenose dolphin, common dolphin, minke whale, grey seal and, to a lesser extent, long-finned pilot whale, Risso's dolphin and killer whale. Of these, the most common are the harbour porpoise, bottlenose dolphin and grey seal.

Harbour porpoise (*Phocoena phocoena*)

1.8 Probably the most widespread and abundant cetacean in the UK (Baines, 2003), the harbour porpoise is present year-round off the coasts of the UK on the continental shelf, in particular around the south and west coasts of Ireland, and the west coasts of Scotland and Wales. The harbour porpoise is a small cetacean (usually approximately 1.5m in length), and is typically seen individually or in small groups of two to five animals, with the occasional occurrence of larger loose feeding aggregations (Hoek, 1992; Reeves et al., 2002). In general, harbour porpoise are limited to northern temperate and subarctic shelf waters; their distribution in coastal areas is elevated over the summer months, and the harbour porpoise is popularly thought of as a coastal species (Rogan and Berrow, 1996; Read, 1999; Reeves et al., 2002). However in winter the coastal population is considerably reduced, and it is thought harbour porpoise movement is offshore towards the continental shelf, probably due to availability of prey (DETR et al., 2000). Whilst there is a dearth of direct information on seasonal harbour porpoise movement in UK waters, elevated radionuclide ($_{137}$Cs) levels in porpoises from the Irish Sea suggest residency within the region (Berrow et al., 1998). Genetic studies also indicate that female porpoises may demonstrate site fidelity and form local populations (Walton, 1997). Harbour porpoise prey varies by area and season, but comprises benthic and demersal species such as gadoids, as well as small pelagic schooling fish such as herring and mackerel, and cephalopods (Yasui and Gaskin, 1986; Aarefjord et al., 1995; Brodie, 1995; Gannon et al., 1998; Rogan et al., 2001). In the

Northern Irish Sea/Liverpool Bay area, harbour porpoise presence is described as 'regular' (NERC, 1998).

Bottlenose Dolphin (*Tursiops truncatus*)

1.9 Like the harbour porpoise, bottlenose dolphin are present year-round in Welsh waters, but are sighted most often over the summer months (Reid et al., 2003). There is a semi resident population of approximately 125 bottlenose dolphin in and around Cardigan Bay, and as such the area has been designated as a candidate Special Area of Conservation (cSAC) under Article 4(1) of the EU Habitats and Species Directive (JNCC, 2004). Bottlenose dolphin can grow up to 3.5 to 4m in length. Like the harbour porpoise, they often occur in small groups (2 to 15 animals) in coastal environments, and can also move offshore in the winter. Pelagic populations also exist, usually comprising larger groups of animals (Reid et al., 2003). They have a near-global distribution (except in polar regions), and are widely distributed in North Atlantic, West African, Mediterranean and UK waters in a diverse range of habitats (Reeves et al., 2002; Reid et al., 2003). Apart from the Cardigan Bay population, clusters of sightings, likely to be of transient animals, occur around the coast of Wales including the north coast of Anglesey, and around the south and southwest coast of the Isle of Man. The regular presence of bottlenose dolphin at the cSAC of the Lleyn Peninsula and the Sarnau is a qualifying feature, but not a primary reason for site selection. The bottlenose dolphin feeds on benthic and pelagic fish such as eels, founder, dab, sole, salmon and trout, all of which are found within the study area (Reid et al., 2003). In the Liverpool Bay area, the species' presence is described as 'scarce/casual', although in adjacent waters to the north and west its presence is more regular (NERC, 1998).

Common dolphin (*Delphinus delphis*)

1.10 The common dolphin is principally a pelagic species, occurring mainly in deeper waters along shelf-edges, and in areas with high bottom relief (Hui, 1979). However, it can occur nearshore, and has been sighted around the southwest coast of the Isle of Man, but is significantly less common in the Irish Sea than in areas west of Scotland and Ireland and southwest of England (Reid et al., 2003). Common dolphin numbers are elevated over summer months, and the species can occur in groups of 50 or more individuals, although it is not known how many are found around UK coasts. Up to 2.5m in length, common dolphin can be very active at the surface and bow ride vessels (Reeves et al., 2002). As their distribution would suggest, they prey mainly on pelagic fish such as mackerel, sardine, sprat and anchovy, and tend to forage in groups (Reid et al., 2003). The species is 'scarce/casual' in the Liverpool Bay area (NERC, 1998).

Minke Whale (*Balaenoptera acutorostrata*)

1.11 The only baleen whale smaller than the minke is the pygmy right whale (*Caperea marginata*); an adult minke whale averages about 10m in length, with females slightly longer than males (Reeves et al. 2002). They are relatively difficult to observe at sea, as their blow is usually not visible, and they do not arch their sleek bodies greatly or raise their flukes before diving. However, they do often approach vessels (Reid et al., 2003). Inhabiting waters from tropical to polar regions, they are often observed in coastal waters, especially over the summer months, although they do also occur in deeper parts of the ocean (Reeves et al., 2002). They are usually observed alone or in small groups, and have a varied diet of small schooling fish and krill (Reid et al., 2003). Distribution in the Liverpool Bay/Northern Irish Sea area is described as 'occassional' (NERC, 1998).

Long-finned pilot whale (*Globicephala melas*), Risso's dolphin (*Grampus griseus*) and Killer whale (*Orcinus orca*)

1.12 Long-finned pilot whale (*Globicephala melas*) and Risso's dolphin (*Grampus griseus*) are more common in deeper, offshore waters, have also been sighted around the Isle of Man; the Risso's dolphin is seen more regularly off the north Welsh coast around the Lleyn Peninsula and Bardsey Island. There have also been some sightings of killer whale (*Orcinus orca*), chiefly around the Isle of Man. The presence of long-finned pilot whale and killer whale in the Liverpool Bay area is described as 'scarce/casual' (NERC, 1998). Risso's dolphin presence is described as 'occassional' (NERC, 1998).

Grey seal (*Halichoerus grypus*)

1.13 Although common/harbour seals (*Phoca vitulina*) are present in UK waters, the pinniped more often sighted, especially in the Irish Sea is the grey seal. Grey seals, which can grow up to 2.5m long, spend most of the year at sea, and may travel long distances outside the breeding season in search of prey which comprises a variety of demersal fish and invertebrates (Das et al., 2003). Although they are thought to forage alone, they are otherwise a gregarious species, and come ashore to form breeding colonies on rocky shores, beaches or in caves (Reeves et al., 2002; JNCC, 2004). Although the most common seal in the UK, grey seals are comparatively rare worldwide, the UK population representing about 40% of the world population and 95% of the EU population (JNCC, 2004). Until the late 1970's there was licensed hunting and control measures of grey seals in the UK. Since this has ceased, numbers have increased; at the start of the 2000 breeding season, the British population numbered approximately 124,000 grey seals (JNCC, 2004). There are pupping sites on many coasts between the Isles of Scilly in the south-west, clockwise to Lincolnshire. Around the Welsh coastline, a cSAC for grey seals has been established in Pembrokeshire, where 2% of UK pups are produced (JNCC, 2004). The presence of grey seals is also a qualifying feature, although not a primary reason for site selection, at the Welsh cSACs of Cardigan Bay and Lleyn Peninsula and the Sarnau.

Sightings data for the study area

1.14 Sightings of marine mammals in the study area itself are relatively rare (Northridge et al., 1995; Baines, 2003; Reid, et al., 2003). Whilst the area to the north west, around the Isle of Man, and the coasts of west Wales, from Anglesey to Pembrokeshire enjoy regular sightings, predominantly of bottlenose dolphins and harbour porpoise (Pierpoint, 2001; Baines, 2003; Calderan, 2003, Reid et al. 2003; Marine Awareness North Wales – saveourseas.co.uk), the north coast of Wales, where the study area lies, yields low numbers of marine mammal sightings (see Hughes, 1998). Sightings of cetaceans are casual, and mainly comprise bottlenose dolphin and harbour porpoise; grey seals are seen along the coast, with haul-out sites at the mouth of the Dee Estuary and at West Hoyle bank/Hilbre Island, but their numbers are not thought to be significant within the context of the whole UK population (CMACS, 2002).

Sea Watch Foundation database

1.15 Set up in 1973, the Sea Watch Foundation collects UK cetacean sightings data from both opportunistic sightings and effort-related recording, from land and vessel-based observations. The database comprises 53,000 sightings records. 37,000 of these are opportunistic sightings, and are currently being linked to quantified survey effort. 16,000 are effort-related (84,000 individual animals) (Reid et al., 2003). The data reflect a lack of even temporal or spatial coverage, certain areas of the coastline and times of year receiving higher survey coverage than others. The accuracy of the database also relies on observers reporting their sightings – again this is not consistent. 12 years of sightings reported from Wales from 1990 to 2002, were analysed by Baines (2003), and showed a small number of sightings of bottlenose dolphin, off Great Orme's Head at the westerly point of the study area (Baines, 2003).

1.16 The following distribution maps (Figure 1.2 – 1.10) show Sea Watch data from 1973 to 2003, although 80% of the sightings shown were made over the past 10 years. Each dot on the map signifies one or more sightings and could represent a single animal or a large group. This is

largely dependent on the ecology of the individual species; for example whilst common dolphin might usually be seen in groups comprising several animals, minke whale are usually sighted singly. In general however, each dot represents a group size less than 10 animals. Although there are biases inherent in the use of such non-effort related data, the method does present advantages in poorly-surveyed areas such as Liverpool Bay, where effort-related data might imply that species were totally absent.

1.17 Whilst one dot usually represents one sighting, as discussed, regular surveys are conducted at certain land-based observation points with sightings obtained in exactly the same spot on multiple occasions. In these areas, several sightings may be represented by the same dot. However this means of visual representation limits the bias of variable effort at different sites.

1.18 The maps show a larger area than that covered by the study area, but use of these data provides a useful context for comparison of cetacean distribution of the study site with surrounding areas of the Irish Sea. Again, they show low level distribution of all cetacean species within the study area, especially in comparison to adjacent areas such as the Isle of Man to the north west and Anglesey to the west; the most commonly sighted species is the harbour porpoise.

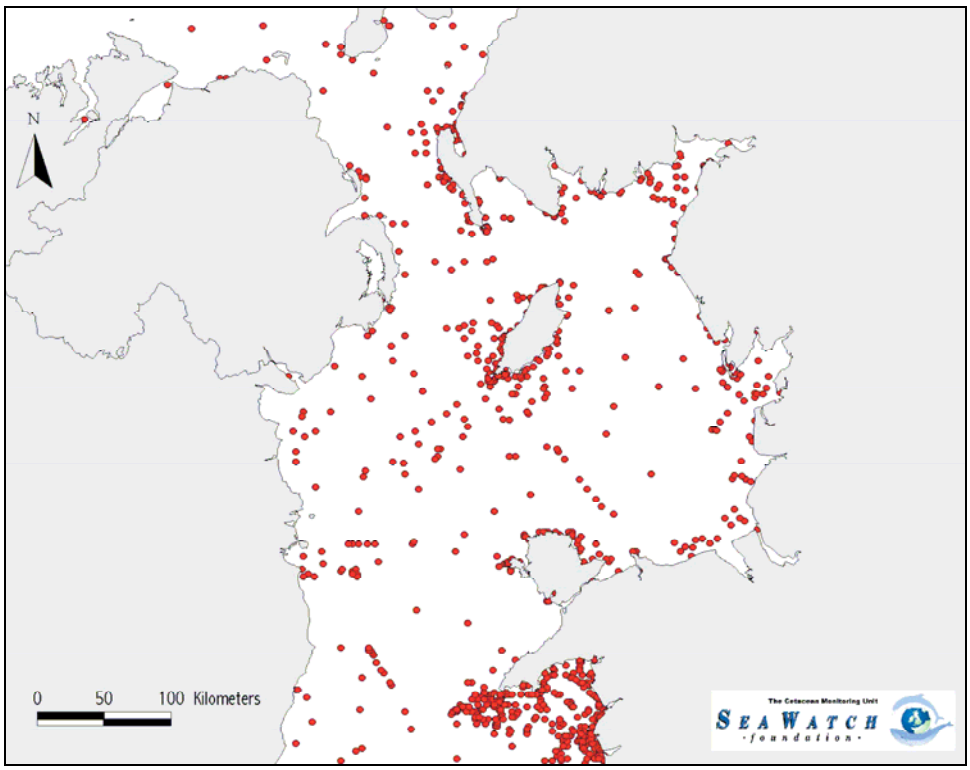


Figure 1.2 All cetacean sightings (Sea Watch Foundation, unpublished data)

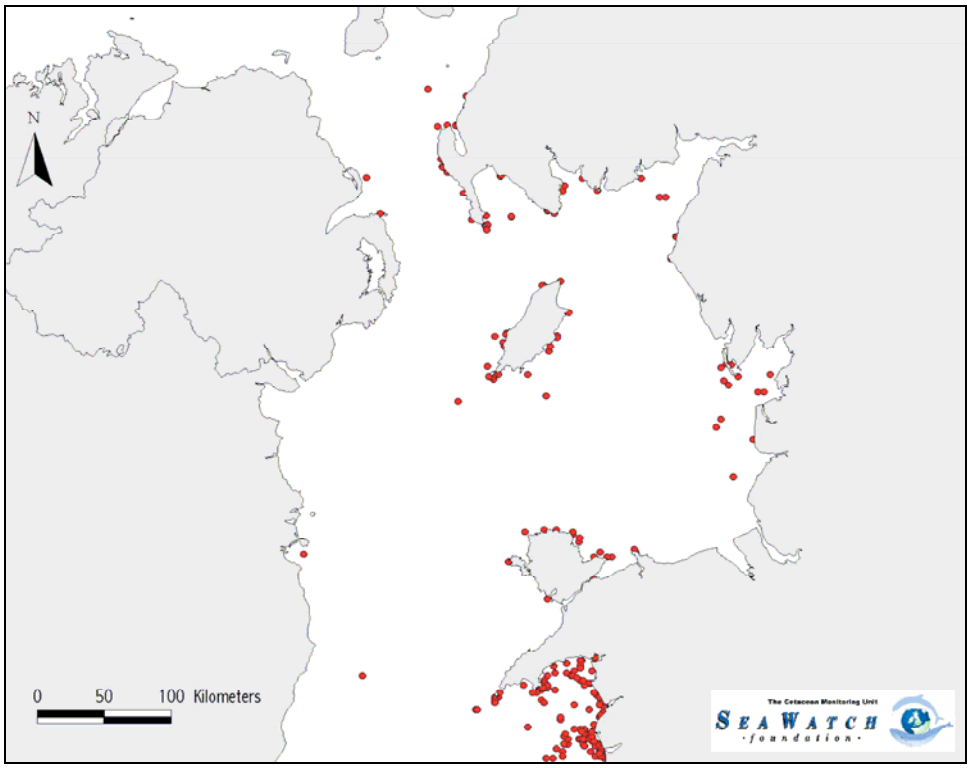


Figure 1.3. Harbour porpoise sightings (Sea Watch Foundation, unpublished data)

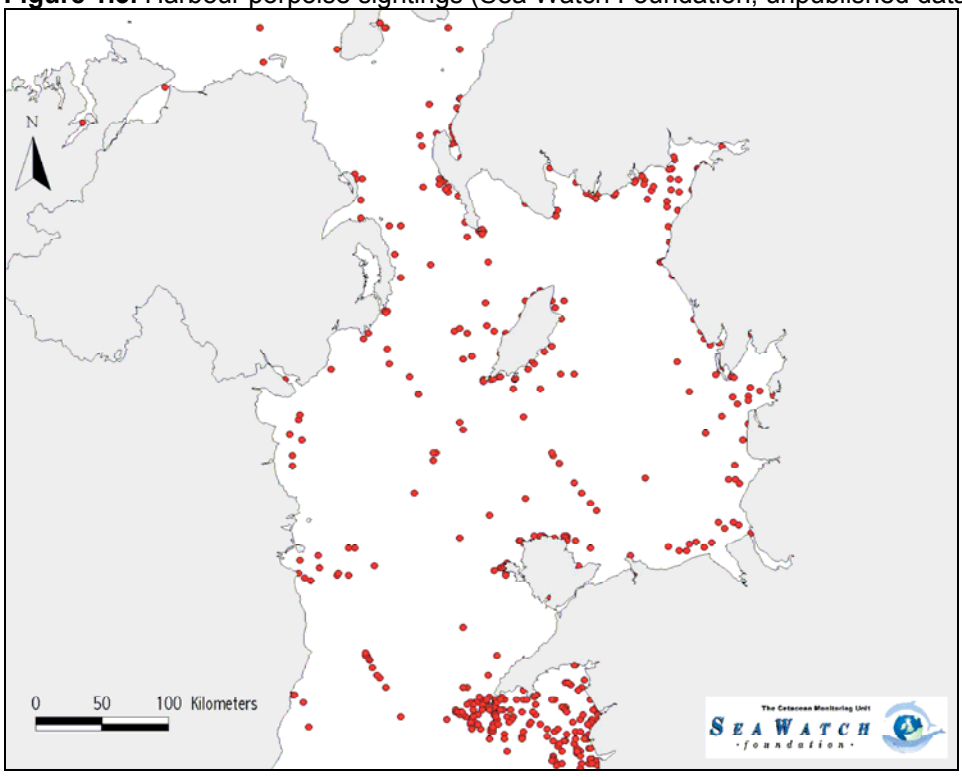


Figure 1.4. Bottlenose dolphin sightings (Sea Watch Foundation, unpublished data)

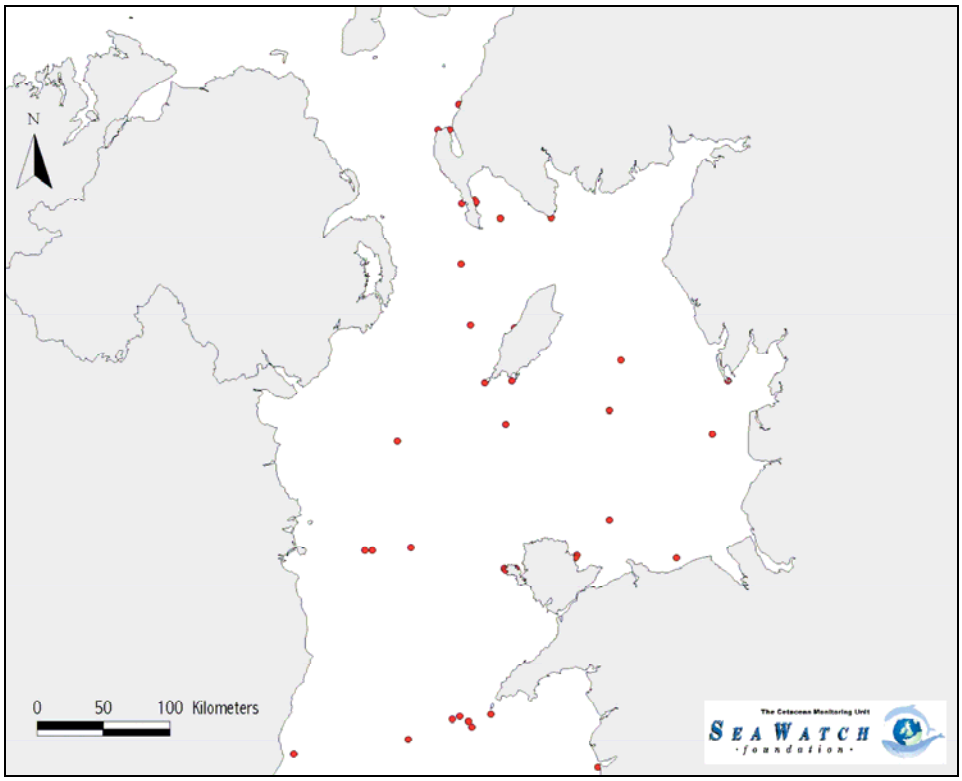


Figure 1.5. Common dolphin sightings (Sea Watch Foundation, unpublished data)

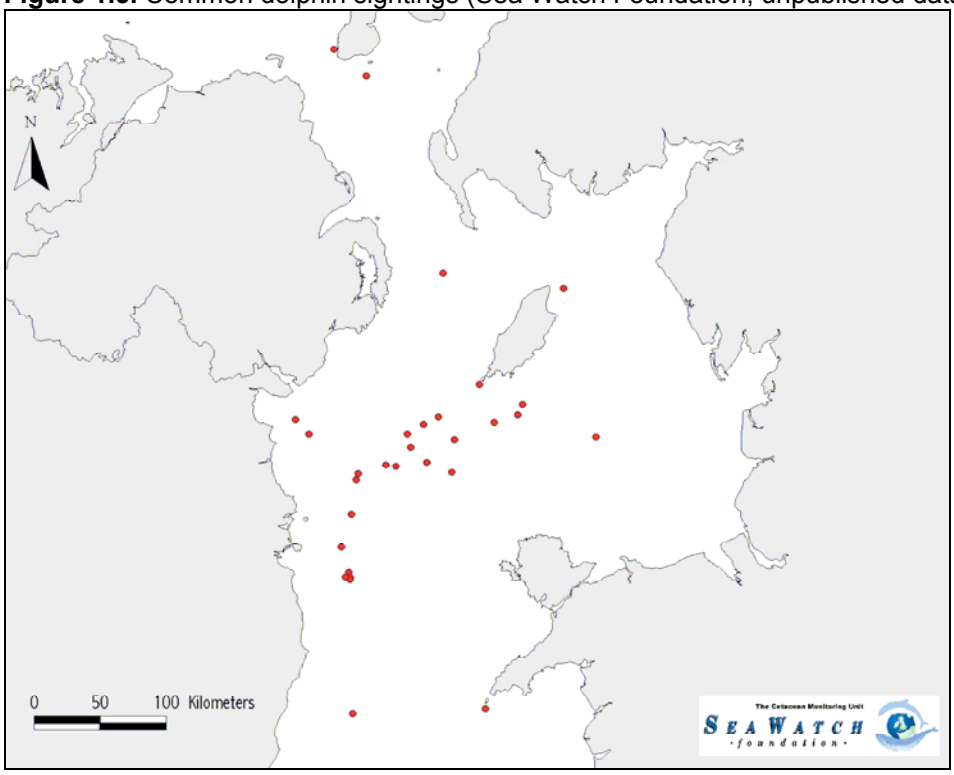


Figure 1.6. Minke whale sightings (Sea Watch Foundation, unpublished data)

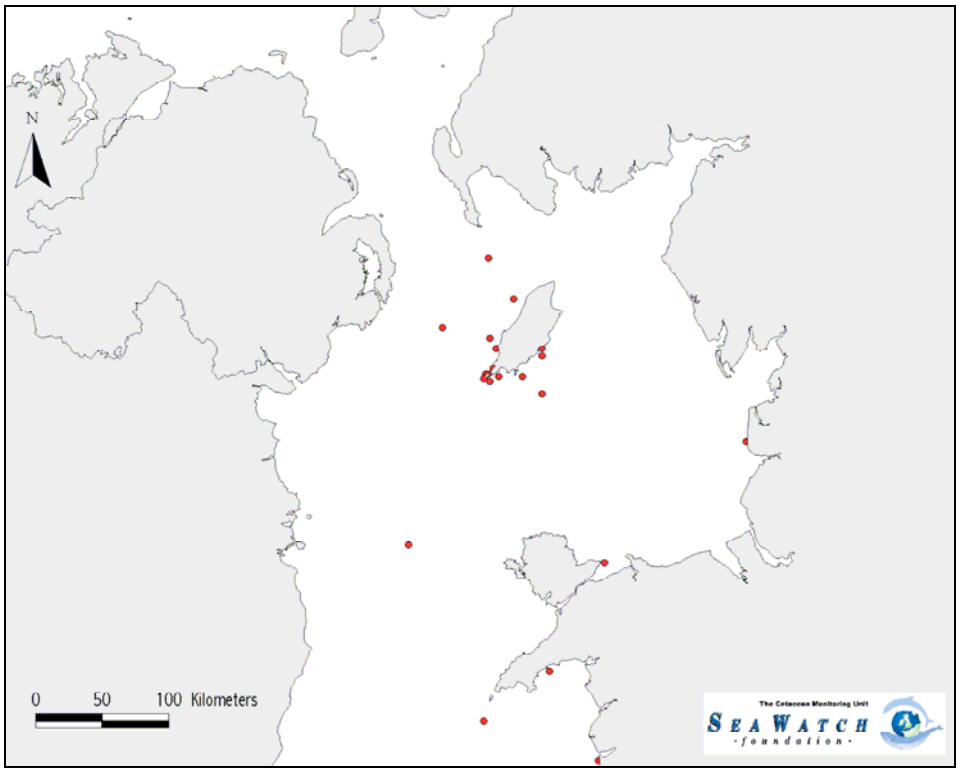


Figure 1.7. Long-finned pilot whale sightings (Sea Watch Foundation, unpublished data)

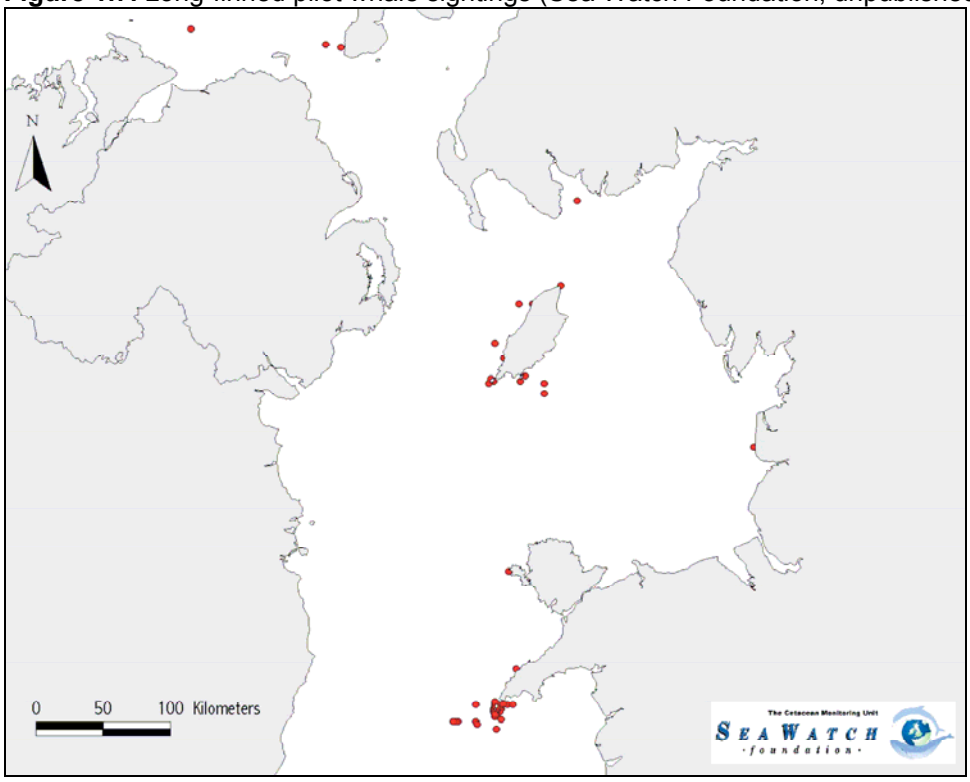


Figure 1.8. Risso's dolphin sightings (Sea Watch Foundation, unpublished data)

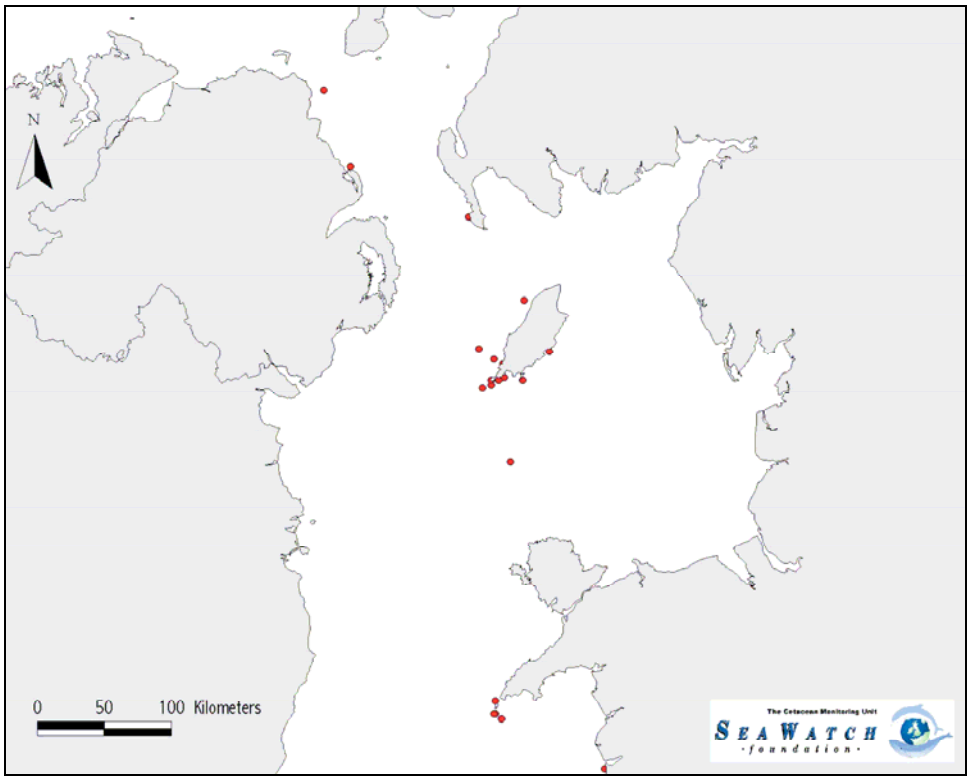


Figure 1.9. Killer whale sightings (Sea Watch Foundation, unpublished data)

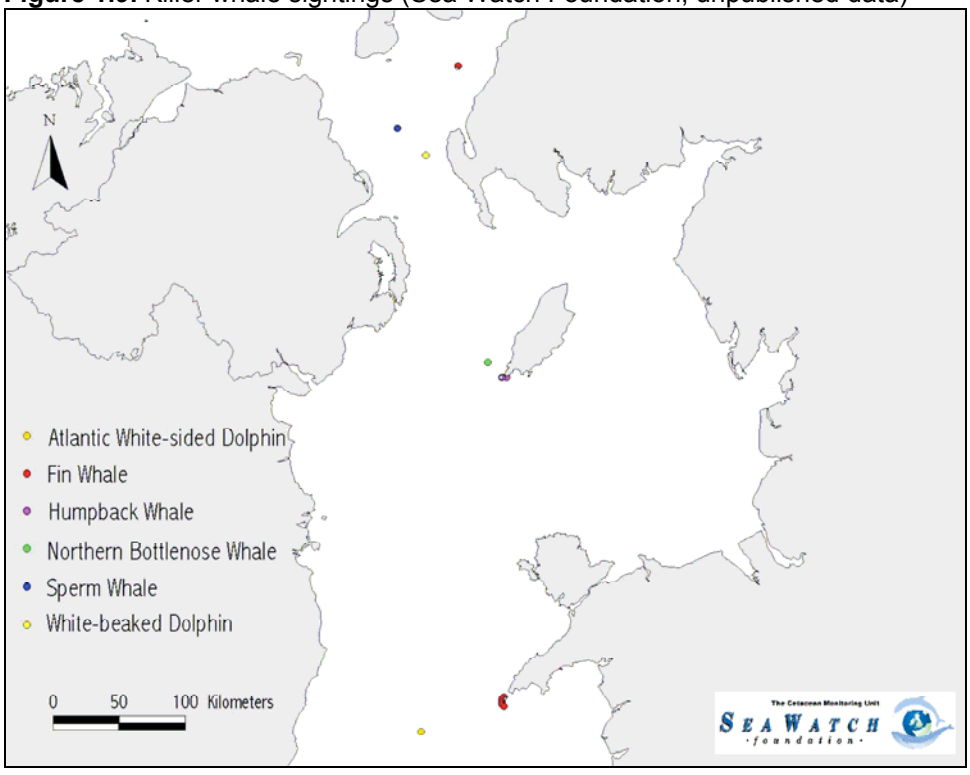


Figure 1.10. Rare & vagrant species (Sea Watch Foundation, unpublished data)

The Seabirds at Sea Team (SAST)

1.19 As part of the Joint Nature Conservancy Committee (JNCC) SAST primarily maps the distribution of offshore seabirds using 'platform of opportunity' vessels. However, the Team also collects effort-related sightings of cetaceans from 46°N to 62°N, although effort is not evenly distributed temporally or spatially (Northridge et al., 1995). Data from 1980 to 2000 for Liverpool Bay and immediately adjacent waters show only occasional cetacean sightings of harbour porpoise and bottlenose dolphin (JNCC, unpublished data; NERC, 1998).

Atlas of Cetacean distribution in north-west European waters

1.20 Distribution maps have been compiled using a combination of the effort-related, SAST, Sea Watch and SCANS (which did not survey the study area – see paragraph 4.7.) data, resulting in 61,000 hours of observation and 31,000 sightings (138,000 individuals animals) (Reid et al., 2003). As these data were stored in different formats, the number of animals sighted per unit time was used to calculate sightings rate. Distribution maps were plotted based on ¼ ICES rectangles, and survey effort corrected for differences in sea state using general additive modelling (GAM) (Reid et al., 2003). As would be expected, these data concur with those discussed in Paragraphs 4.2. and 4.3. The maps show sightings of bottlenose dolphins to the west of the study site at Great Ormes' Head and north of the site at Morecambe Bay; Risso's dolphin off the southwest coast of the Isle of Man; small numbers of harbour porpoise near Hilbre Island to the east of the study site, as well as offshore from Great Ormes' Head. However these harbour porpoise sightings are very few compared to those in the surrounding areas of Anglesey, and all round the Isle of Man (Reid, 2003).
However, as the data used for the Atlas were all effort-related, they are less meaningful for poorly-surveyed areas such as Liverpool Bay.

Marine Mammal Observers (MMOs)

1.21 Data gathered from marine mammal observers on board seismic survey vessels in UK waters have also been analysed to produce species distribution maps (see Stone 2003). Those data from 1998 to 2000 (plus 2 surveys from 1997) covered 201 surveys, over 40,000 hours of observations and recorded 1,652 sightings (28,165 individuals). 64% of sightings were analysed to species level, and a further 17% as one of a pair or group of similar species.
Sighting rates were calculated per unit effort (per 1,000 hours of observations). Species distribution maps show no sightings of marine mammals in the area which includes the study site (Stone, 2003), although survey effort in the area was very low.

Casual sightings

1.22 In addition to those opportunistic sightings submitted to the Sea Watch database, interviews with crews of vessels using the study area also reveal occasional marine mammal sightings which, whilst details are seldom recorded, appear to be mainly bottlenose dolphin or harbour porpoise.

1.23 This paucity of sightings is likely to reflect a genuine low level distribution of marine mammals in the Northern Irish Sea/Liverpool Bay area. However it is also due in part to low survey coverage of the area; whether from effort-based dedicated survey vessels, surveys aboard 'platforms of opportunity' and land-based surveys, or from records of opportunistic sightings from both land and vessels, there are few data sets for the area. For example, the SMRU (Sea Mammal Research Unit) SCANS (Small Cetacean Abundance in the North Sea) survey of 1994 did not cover this area of the Irish Sea (Hammond et al., 2002); summaries of marine mammal observations during seismic surveys (see Stone, 2003) show a low level of

coverage of Liverpool Bay and the northern Irish Sea. The natural physical attributes of the coastline, with its lack of headland vantage points, also reduce the frequency and efficacy of land-based surveying.

1.24 It is also important to note that marine mammals are highly mobile, their distribution primarily led by food and feeding (Northridge et al., 1995). Therefore, although high numbers of marine mammals are not regularly sighted in the Northern Irish Sea/Liverpool Bay area, there are larger numbers of many species recorded to the north, south and west of the study area. Therefore, it is possible that marine mammals will pass through the study area in transit to other sites, even if their presence is not prolonged or regular.

PART 2: Dedicated Marine Mammal Surveys at the Gwynt y Môr Study Site

2. SURVEY METHODOLOGY

General Approaches and Methodology

2.1 The assessment of marine mammal population abundance, distribution and habitat use, is a field of study that has challenged scientists for decades. Marine mammals are, by their very nature, elusive, and they live in an environment that is typically hostile to human endeavours to study them.

2.2 The standard approach to assessing marine mammal populations at sea is line transect surveying, a technique that is not unique to marine mammal research, but one that can be adequately adopted. In essence, a vessel (ship) is used to traverse a series of transect lines, and dedicated observers are stationed at a suitable vantage point in order to view the 180° sector ahead of the vessel, from 90° abeam either side. By adopting this method, observers can sight and record animals on either side of the transect line, and obtain estimates of range and bearing to animals. These data can be used in several ways. The data can be used to map the location of animals across the survey area – i.e. visualise their distribution. Aspects of behaviour and ecology can sometimes be gleaned, depending upon species, sighting conditions, and whether there are any visually observable behaviours. If the data sets are sufficiently populated and robust, it may be possible to make estimates of abundance, using complex probabilistic methods based on various parameter estimates. Measures of abundance have been the subject of research for decades, and there are still many aspects of uncertainty to the science (such as determining sighting probabilities for animals). The science of abundance estimation continues to evolve.

2.3 Where marine mammals come close to shore it is also possible to study or survey them from land based sites such as promontories or headlands. If conditions are suitable one can identify species and make ad-libitum behavioural observations, or one can chose to adopt a systematic method of scanning in order to obtain some measure of distribution and relative abundance within the field of view.

2.4 In recent years the use of acoustic technologies have come to the fore in marine mammal research. These techniques add a new dimension in our ability to study and survey these elusive creatures. The use of hydrophones allows the vocalisations of marine mammal species to be detected, sometimes in conditions that would prevent visual monitoring. Towing hydrophones is one method that can be employed to record and detect animals along transect lines during visual line transect surveys. Hydrophones can also be placed in 'stationary mode' in order to attempt detection of animals within certain radii of the sensor. It is now possible to deploy static acoustic devices that both listen for, and automatically log, the presence of certain cetacean vocalisations – although such devices tend to be at the 'evolving technology' end of the spectrum.

2.5 Although these new technologies are useful they also have their drawbacks – for instance marine mammals must be actively vocalising in order for the systems to be effective. Neither visual or acoustic techniques should be considered as superior to one another, rather they form complementary tools.

Specific Approaches

2.6 Cetacean investigations across the Gwynt y Môr study area were conducted using a multi-faceted approach. Ship based line transect surveys formed the core of the work, and were used to collect visual and towed acoustic data on cetaceans and seals across the area. In addition, a number of static acoustic data loggers were deployed on the seabed in and around the Gwynt y Môr project area, in order to collect long time series data on acoustic cetacean detections at

selected sites. In addition, a land based headland survey was run concurrently to monitor the inshore waters off the Great Orme.

Line Transects

Visual Surveying

2.7 Line transect surveys were mounted from a 30m research vessel, the RV Prince Madog, from January to November 2004. Prior to this, the first survey in December 2003 took place from the 12m charter vessel Barinthus, out of Conwy. The Prince Madog provided a stable platform ideal for line-transect surveying and afforded a suitably elevated observer height, whereas Barinthus suffered excess motion reducing the effectiveness of visual surveying. The transect survey work was conducted from December 2003 through to November 2004 inclusive. The surveys were typically 2.5 days in duration, including a half day mobilisation, and traversed a series of ten east-west survey lines across the Gwynt y Môr project area (Figure 2.1). The relationship between the Gwynt y Môr project area (the area designated for wind turbine construction), the Gwynt y Môr study area (the area designated for environmental surveys), and the survey transects is illustrated in Figure 2.2. The eastwest transects kept the survey lines parallel to the busy Liverpool shipping lane and, given the bathymetry, reduced the risk of the tow gear collisions with shallow hazards.

2.8 Two visual observers at a time, from a rotating team of four, were positioned on the high foredeck, one scanning the 90° to 0° sector on the port side, the other the 90° to 0° sector on the starboard side. Observers used both naked eye and binocular observations to sight marine mammals. The two teams of two observers were rotated regularly (approx every 50 mins) to prevent observer fatigue and over-exposure to the elements (e.g. wind-chill, sunburn etc.). Environmental conditions achieved both extremes as the surveys were conducted through a complete annual cycle.

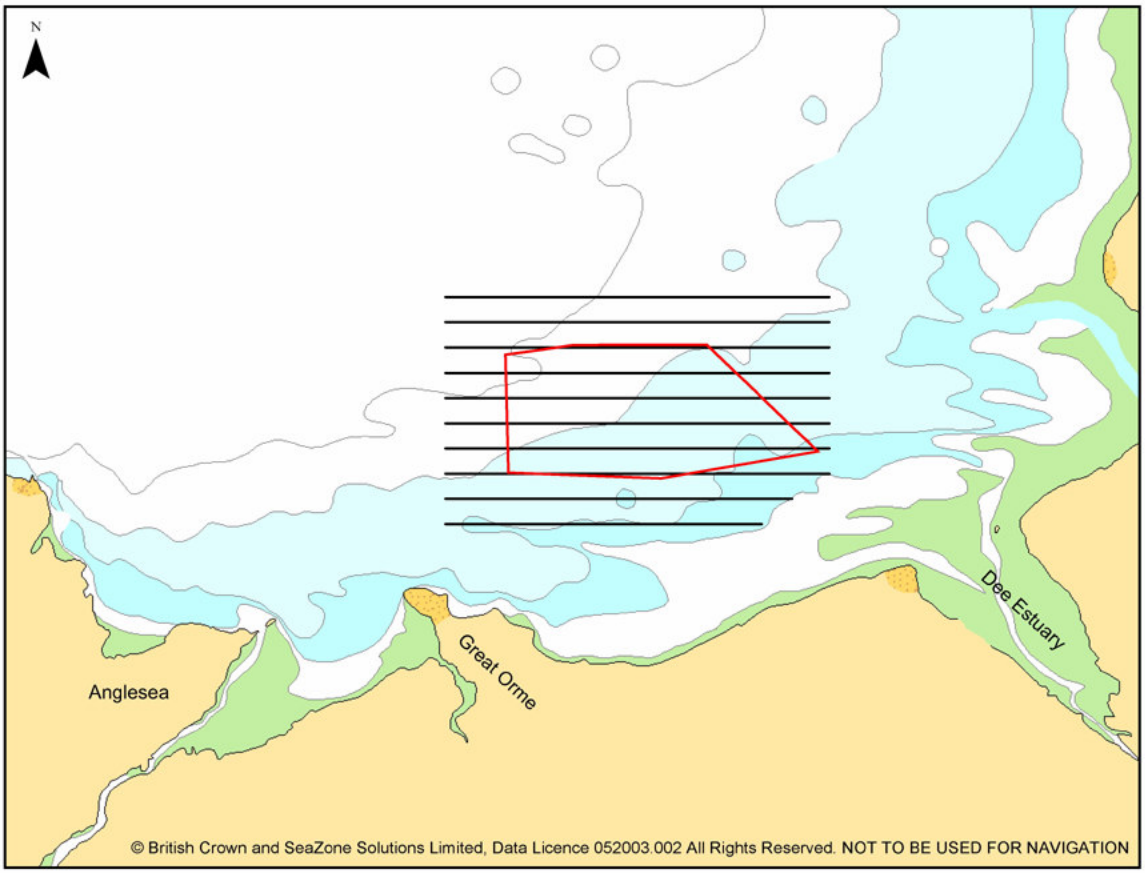


Figure 2.1. Chart showing the Gwynt y Môr study area (red polygon) and the cetacean survey transects (horizontal black lines).

2.9 During visual survey lines, entries were made to an environment form every 15 minutes, detailing date, time, position, heading, sea state, visibility, and general environmental notes. When marine mammal sightings were made, an entry was made on an encounter form detailing date, time, position of vessel, first bearing to sighting, range to sighting, species, total number, adult, juvenile, calf, sea state and behaviour. The forms used were modified versions of those used by the Seawatch foundation (to include range and bearing), as used by some marine mammal observers (Weir, pers comm.). A photo ID camera was carried in the event of encounters with bottlenose dolphins, or other potentially well marked species, which may have presented the opportunity to capture good quality images.

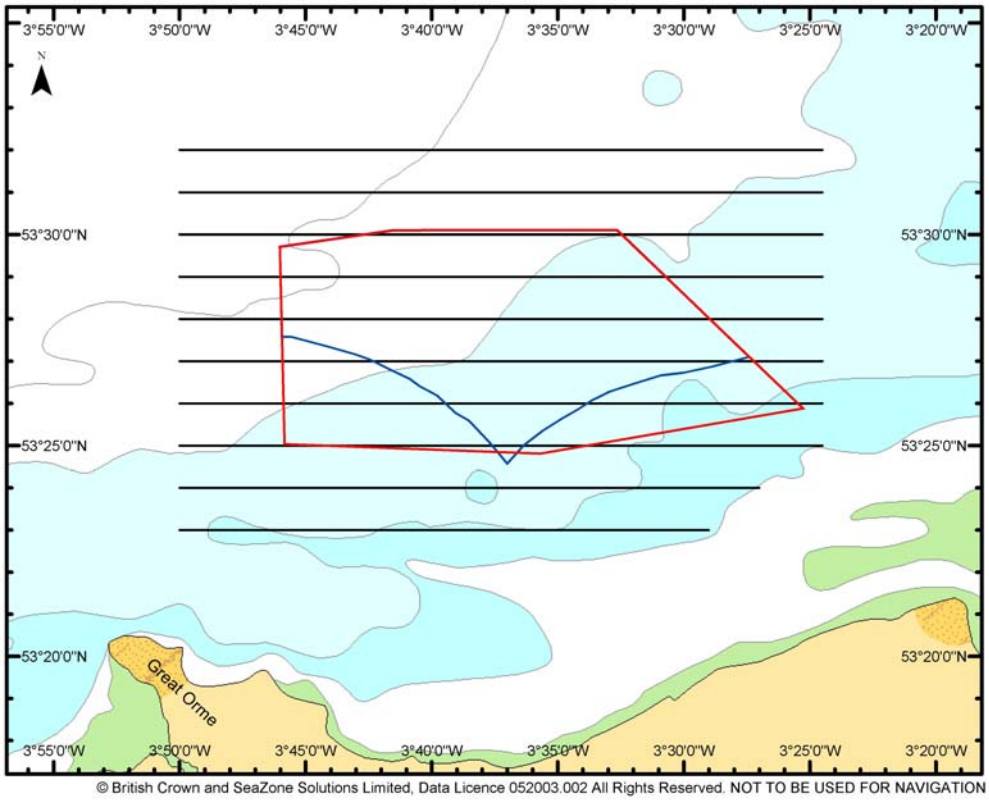


Figure 2.2. Chart showing the Gwynt y Môr study area (red polygon), the Gwynt y Môr project area (blue polygon) and the cetacean survey transects (horizontal black lines).

Acoustic Surveying

Towed Hydrophone

2.10 Towed acoustic surveying was run concurrently with the visual line transects as a complementary survey tool, and in addition was used to extend the survey effort through the visual off-effort periods and through the night. A custom build, 400 metre towed hydrophone was deployed from the port stern of the vessel prior to the commencement of survey lines and was left deployed continuously. The hydrophone fed to a custom build click detector, the output from which is recorded on time coded digital audio tape (DAT). The click detector was used because the primary target species was harbour porpoise, which produce only ultrasonic echolocation clicks that are not audible to standard recording equipment. The click detector produced audible pulsed signals that could be recognised as a cetacean click train in post-cruise analysis of the recordings. It should be noted that the click detector is not specific enough to register only porpoise; dolphin clicks would also trigger the click detector. As harbour porpoise were the only cetacean species expected to occur within the survey area with any regularity, it was a reasonable assumption that click detections would result from harbour porpoise encounters. Therefore, when acoustic detections were made in the absence of a visual sighting, it was assumed to be a porpoise encounter, although it is acknowledged that the species ID cannot be confirmed.

Towed TPOD

2.11 TPODs (Timing POrpoise Detectors) are devices that were conceived, and which are currently under development, to detect and automatically log the presence of cetacean echolocation clicks underwater. The original design was aimed at detecting only porpoise clicks, but the current version is capable of detecting both porpoise and dolphin clicks. TPODs were designed as static devices, to be placed on the seabed and left in a single spot for long periods. However, they have also been used in towing mode with some success (Jefferson et al. 2002).

2.12 The 'evolving technology' aspect of TPODs makes their use, to a certain extent, a combination of art and science. It has recently become apparent that there are unresolved issues regarding variation in transducer sensitivity. In addition, the file information and structuring can be difficult to interpret, and communication and data corruption problems can be experienced during the process of interfacing with a PC for downloading data and resetting the devices for further recording. However, regardless of the difficulties, TPODs do at least provide a cost-effective solution to the collection of long time series data in 'hands off' or 'deploy and forget' mode.

2.13 For the Gwynt y Môr line transect surveys, a single TPOD was deployed in towed mode, parallel to the hydrophone cable. A custom build hydroplane and keel rig was used to keep the TPOD below surface. As with the hydrophone, the TPOD was towed continuously through the day and night. The unit was loaded with experimental tow settings in order to try and reduce the effect of elevated background noise from the tow operation interfering with cetacean detections.

Static TPODs

2.14 The mobilisation phase of the survey cruises were typically used as a window in which to deploy, recover and re-deploy the static TPODs. Three sites were chosen for the static TPOD deployments:

Constable Bank	-	53° 23.430 N		003° 48.895 W
NH Cardinal	-	53° 26.520 N		003° 30.331 W
Offshore	-	53° 28.067 N		003° 38.664 W

2.15 The manufacture and delivery time of the TPOD units for this project meant that they were not available for static deployment until March 2004. The first static deployments were put in place on 11th March 2004. During the March and April cruises, only two of the three sites (Constable Bank and NH Cardinal) were used for deployments. Static TPOD deployments are prone to damage, loss, or theft, hence the decision was made to deploy 'conservatively' in the initial stages. Constable Bank and NH Cardinal positions were chosen due to the presence of Cardinal Buoys at those locations. The TPODs themselves were placed in steel cradles, connected to mooring weights, recovery lines and surface marker buoys. The TPOD moorings were deployed on the danger side of the cardinal buoys. The logic behind these deployment locations was that the danger side would not be frequented by boat traffic and hence the risk of collision with the surface marker buoys, or the accidental dredging up of the cradles by fishing boats, would be reduced.

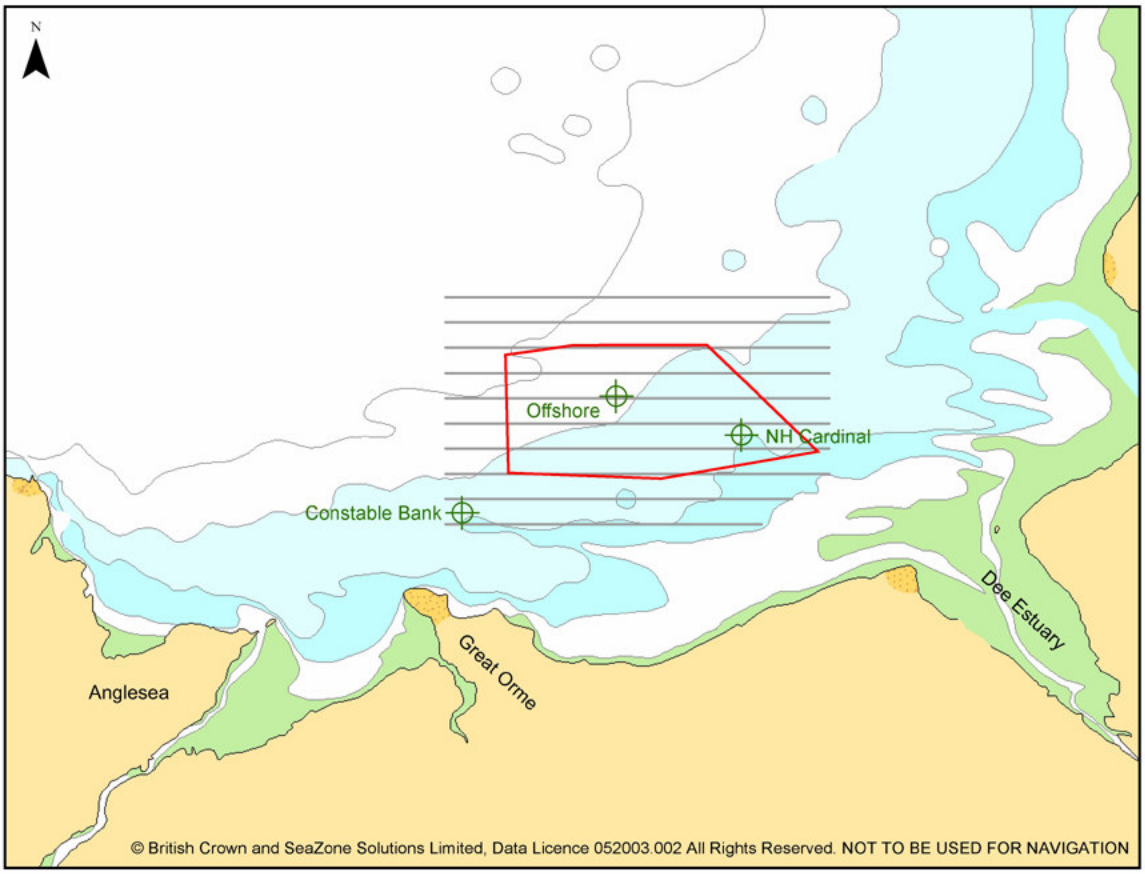


Figure 2.3. Chart of the Gwynt y Môr study area showing location of static TPOD moorings.

2.16 Following successful recoveries and redeployments at Constable Bank and NH Cardinal a third site, designated 'Offshore', was added to the static deployment sites. The Offshore site was considered to be high risk due to its exposure, and the potential use of the area by fishing boats. The life of all three mooring sites was extended to March 2005, beyond the cessation of the transect surveys in November 2004, in order to try and obtain a complete annual cycle of data, given that initial deployments did not commence until March 2004.

2.17 Although communication and other data problems were experienced with the TPODs, these were largely overcome. TPODs key on the detection of cetacean echolocation clicks, and will detect harbour porpoise and dolphin click trains. Detection of click trains signifies the presence of an animal or animals in the immediate vicinity (a few hundred metres in the case of harbour porpoise, and possibly a kilometre in the case of a bottlenose dolphin). The number or density of detection events is an indicator of click activity. High counts could be due to either numerous animals clicking 'normally', or fewer animals clicking rapidly (e.g. during bouts of feeding activity), or a combination of both. The absence of clicks does not necessarily signify the absence of animals; simply the absence of clicks (animals might choose to be silent at certain times).

2.18 TPOD data was processed as train positive minutes per day (TPM). This is simply the number of minutes per day in which cetacean click trains were detected. This data can be viewed as a measure of presence or absence, and also as a measure of activity. TPM data were exported in two categories of detection – 'cet hi' and 'cet lo'. These refer to high probability and low probability cetacean detections respectively. In the case of cet hi we may have confidence that the signals being detected are of cetacean origin. The classification is more doubtful in the cet lo category, but experience has shown that cet hi and cet lo trends can track one another in a manner that suggests many cet lo detections to be of cetacean origin.

Headland Surveys

2.19 Systematic scan surveys for marine mammals were conducted from the Great Ormes' head. This location is the closest suitable land based site to the Gwynt y Môr study area, it is a good promontory for visual observations, and is located to the western end of the study area, where anecdotal reports suggest that dolphins and porpoises are sighted (see Section 1:1.15). Systematic scans sweep an arc of approximately 180o, from Anglesey in the west to the western end of the study area in the east, using tripod mounted reticulated binoculars. Data recorded included date, time, species, magnetic bearing, reticle reading, number, adult, juvenile, calf, sea-state, bird activity and general notes. The method allows for systematic and repeatable coverage of a swath of sea, from which a limited measure of distribution and relative abundance can be obtained. Although the practical sighting distance only extends approximately to the south-western tip of the study area, the location is as close as possible from land and is effective for monitoring the inshore waters.

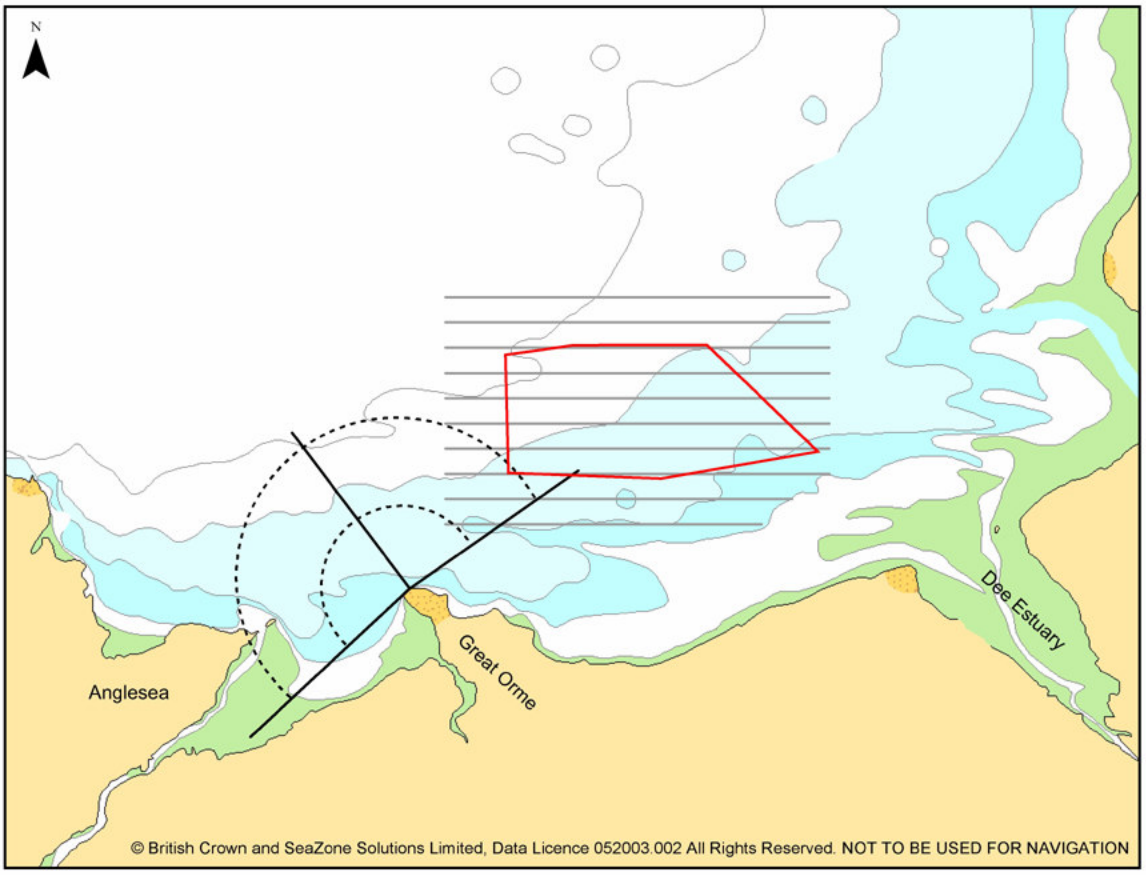


Figure 2.4. Chart of the Gwynt y Môr site showing the headland viewing arc from the Great Orme (black lines and curves).

2.20 When environmental conditions were not appropriate for the scan methodology (e.g. obscured horizon removing the reference point for binocular elevation), an ad-libitum approach was adopted whereby general sighting within the immediate inshore waters was conducted. The scan methodology suffers a blind spot close inshore, as the binocular viewing elevation and aperture only allow a swath of a certain size to be monitored.

3. SURVEY RESULTS

Visual Line Transect Data

3.1 The vessel based surveys covered a total transect line mileage of 3068 nautical miles (5685 km) during the 12 month period of survey. The combined visual and towed acoustic survey component of the transects totalled 1681 nautical miles (3114 km), the remaining 1387 nautical miles (2571 km) was run as acoustic only surveying, typically during the nighttime periods. Table 3.1 details the survey line mileage by month.

Month	Visual & Acoustic Line Mileage, [NM, (km)]	Acoustic Only Line Mileage [NM, (km)]	Total Transect Line Mileage [NM, (km)]
Dec 2003	138 (256)	-	138 (256)
Jan 2004	135 (250)	240 (445)	375 (695)
Feb 2004	144 (267)	162 (300)	306 (567)
Mar 2004	110 (204)	84 (156)	194 (360)
Apr 2004	148 (274)	154 (285)	302 (559)
May 2004	148 (274)	-	148 (274)
June 2004	148 (274)	137 (254)	285 (528)
July 2004	148 (274)	152 (282)	300 (556)
Aug 2004	148 (274)	164 (304)	312 (578)
Sept 2004	148 (274)	133 (247)	281 (521)
Oct 2004	148 (274)	69 (128)	217 (402)
Nov 2004	118 (219)	92 (170)	210 (389)
TOTALS	1681 (3114)	1387 (2571)	3068 (5685)

Table 3.1. Summary of survey transect line mileage per month, given in nautical miles and Kilometers.

Cetaceans

3.2 The only species of cetacean sighted from the transect surveys was the harbour porpoise, Phocoena phocoena. There were a total of 60 harbour porpoise sighting events through the 12 month period of transect surveying, comprising 84 animals. The majority of animals sighted were single adults, although small groups of 2-5 animals were seen on occasion. Table 3.2 lists the number of sightings by month. There were only 3 sightings during the period December – March, and a complete absence of sightings during June and July. In marked contrast, there were 28 and 8 sightings during April and May respectively. There was an intermediate number of sightings in August, followed by a low level of sighting from September – November.

3.3 Sea state varied between surveys as might be expected due to the nature of the environment. Sea state affects the ability of observers to sight marine mammals at sea, leading to biases in the sighting data. Essentially the higher the sea state, the more difficult it is to sight the subtle surfacing cues of marine animals, especially small ones, and the head count and effective sighting distance from the vessel are likely to decrease. There is no magic formula for negating the effect of sea state, although probabilistic methods do exist to take account of sea state if trying to obtain absolute abundance estimates from certain kinds of visual survey data. Abundance estimation is not the focus of this study, so a simplified graphical method to visualise sea state is used here to aid the reader. The average sea state across the visual line transects was calculated for each vessel survey. A system is then used to categorise that average sea state for the purposes of graphical display. The categories are simply good, moderate and poor. These categories are assigned a colour, namely green, amber and red, and overlaid on sighting

graphs to provide a 'feel' for the conditions under which sightings were made. These colour categories and their associated sea state ranges are detailed in Table 3.3; the definitions of sea state are detailed in Appendix 1. Using these colours it is possible to make a qualitative comparison between sighting numbers. The data are summarised graphically in Figure 3.1.

3.4 The position of each porpoise sighting, taking into account range and bearing from the survey vessel, is illustrated in Figure 3.2. This figure shows the composite distribution of harbour porpoise in and around the project area, across all months of the transect survey.
Sightings occurred throughout the survey area, although the majority of sighting events occurred outside the project area. The distributions of porpoise sightings by month are illustrated in Appendix 2. Although sightings were not numerous, the images are vaguely suggestive of sightings clustering along depth contours. The relatively high count of porpoises in April and May may have been due, in part, to the availability of food at that time. Porpoises were seen engaging in both travelling and feeding activity, and anecdotal reports and local knowledge from fishermen suggest a run of herring through the survey area during April (Jones, pers comm). In June-July there was a noticeable 'scum' of phaeocystis plankton bloom on the water surface. This type of algal bloom produces a protenaceous scum that may reduce dissolved oxygen levels in the water and may deter fish species that would be preyed upon by marine mammals.

3.5 Porpoises were mainly sighted as individual animals, but group sizes ranged from 1 – 5 individuals, although 4's and 5's were the exception. All porpoises sighted were either adults or juveniles, with the vast majority being adults. The frequency of group sizes encountered during the transect surveys is illustrated in Figure 3.3.

Month	Number of Porpoise Sighting Events	Number of Porpoises Sighted	Average Sea State
Dec 2003	1	1	2.0
Jan 2004	1	1	3.0
Feb 2004	0	0	3.0
Mar 2004	1	1	4.0
Apr 2004	28	40	1.5
May 2004	8	14	1.5
Jun 204	0	0	3.5
Jul 2004	0	0	2.5
Aug 2004	11	14	1.0
Sep 2004	3	3	3.0
Oct 2004	4	6	3.0
Nov 2004	3	4	4.5
TOTALS	60	84	

Table 3.2. Summary of harbour porpoise sightings by month from the transect surveys.

Sea state	Designation	Colour code
0.0 – 2.0	Good	Green
2.5 – 4.0	Moderate	Amber
4.5+	Poor	Red

Table 3.3. Sea state designations for the purposes of illustration.

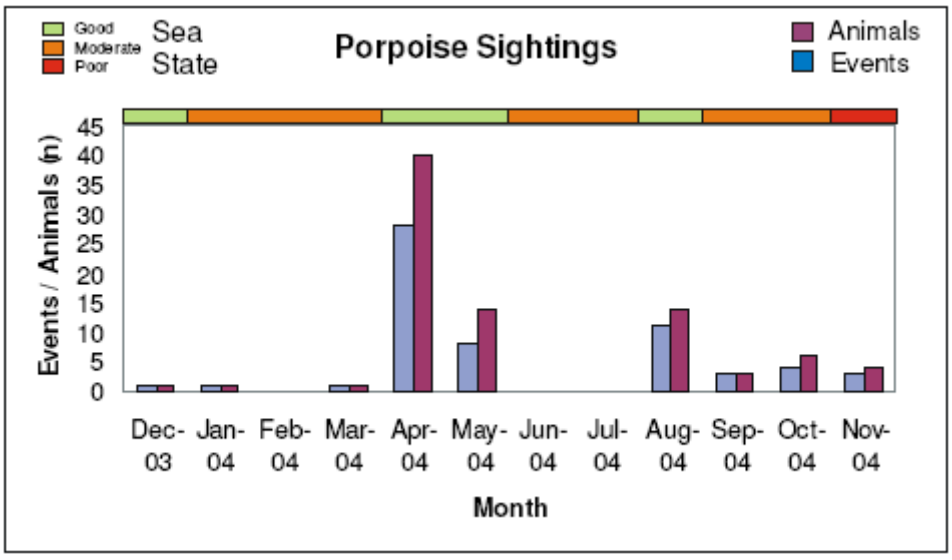


Figure 3.1. Summary of harbour porpoise sightings by month from the transect surveys.

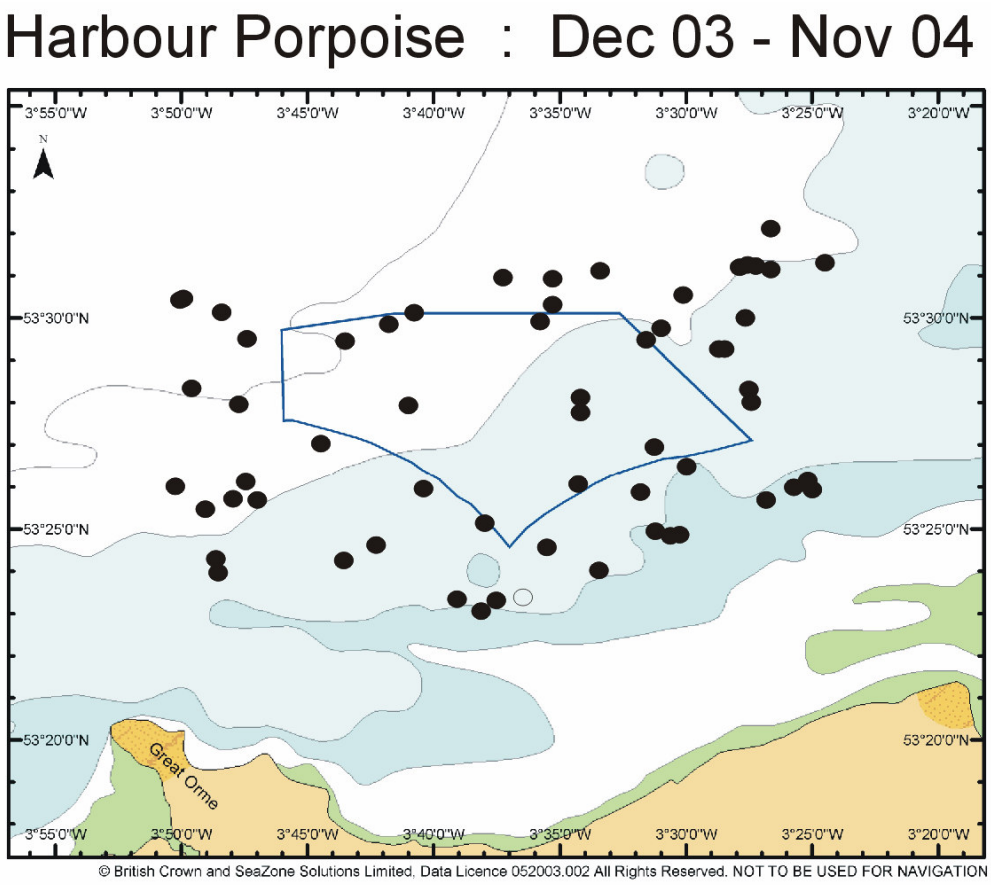


Figure 3.2. Summary plot of harbour porpoise distribution, pooled across all months of the transect survey.

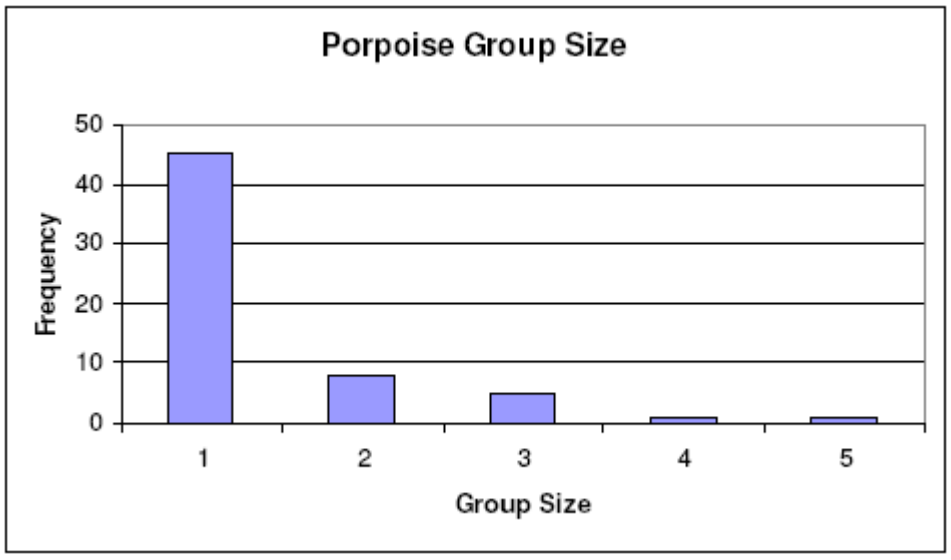


Figure 3.3. Summary of harbour porpoise group size, pooled across all months of the transect survey.

Seals

3.6 The only species of seal positively identified in the survey area was the grey seal.
Positive ID was made in most cases and it is assumed that all seal sightings were in fact grey seals. This assumption is consistent with our knowledge of the area. The frequency of seal sightings mirrored, to a large extent, that of porpoise sightings, an observation which would be consistent with the idea of prey species entering the area and being exploited by marine mammals. Table 3.4 lists the number of seal sightings by month. There were no seal sightings during the period December – March and June and July. In marked contrast there were 24 seal sightings in April and 19 sightings in May, coinciding with the highest number of porpoise sightings. From the period August to November there were intermediate – low numbers of sighting by month, with the exception of September, in which a relatively high number of sightings (15) occurred.

3.7 The position of each seal sighting, taking into account range and bearing from the survey vessel, is illustrated in Figure 3.5. This figure shows the composite distribution of seals in and around the project area, across all months of the transect survey. Sightings occurred throughout the survey area, although the majority of sighting events occurred outside the project area. The distributions of seal sightings by month are illustrated in
Appendix 2. During April and May, seal sightings were concentrated to the north of the project area, and several of the animals were seen to be feeding. During September, the pattern seemed to have changed, with sightings concentrated to the south east of the project area. This observation is consistent with the inshore movement of prey species such as flatfish from April through the summer months, as these fish move from offshore
overwintering areas to inshore spawning grounds. For the remainder of the year sightings were too sporadic to discern a pattern.

3.8 All seals sighted on the transect surveys were adults, and all were solitary, resulting in a group size of 1. This is indicated in the frequency of group size encountered, illustrated in Figure 3.6.

Month	Number of Seal Sighting Events	Number of Seals Sighted	Average Sea State
Dec 2003	0	0	2.0
Jan 2004	0	0	3.0
Feb 2004	0	0	3.0
Mar 2004	0	0	4.0
Apr 2004	24	24	1.5
May2004	19	19	1.5
Jun 2004	0	0	3.5
Jul 2004	0	0	2.5
Aug 2004	5	5	1.0
Sep 2004	15	15	3.0
Oct 2004	3	3	3.0
Nov 2004	2	2	4.5
TOTALS	68	68	

Table 3.4. Summary of seal sightings by month from the transect surveys.

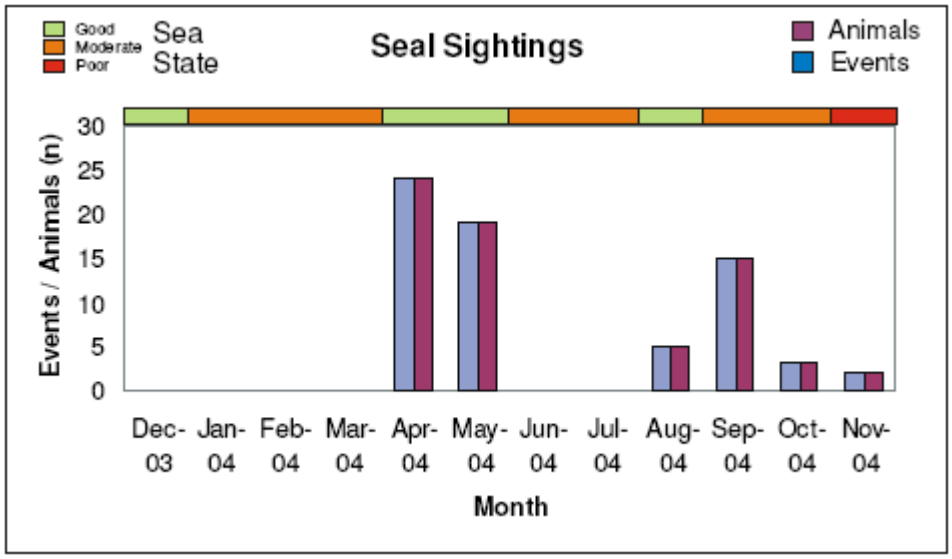


Figure 3.4. Summary of seal sightings by month from the transect surveys.

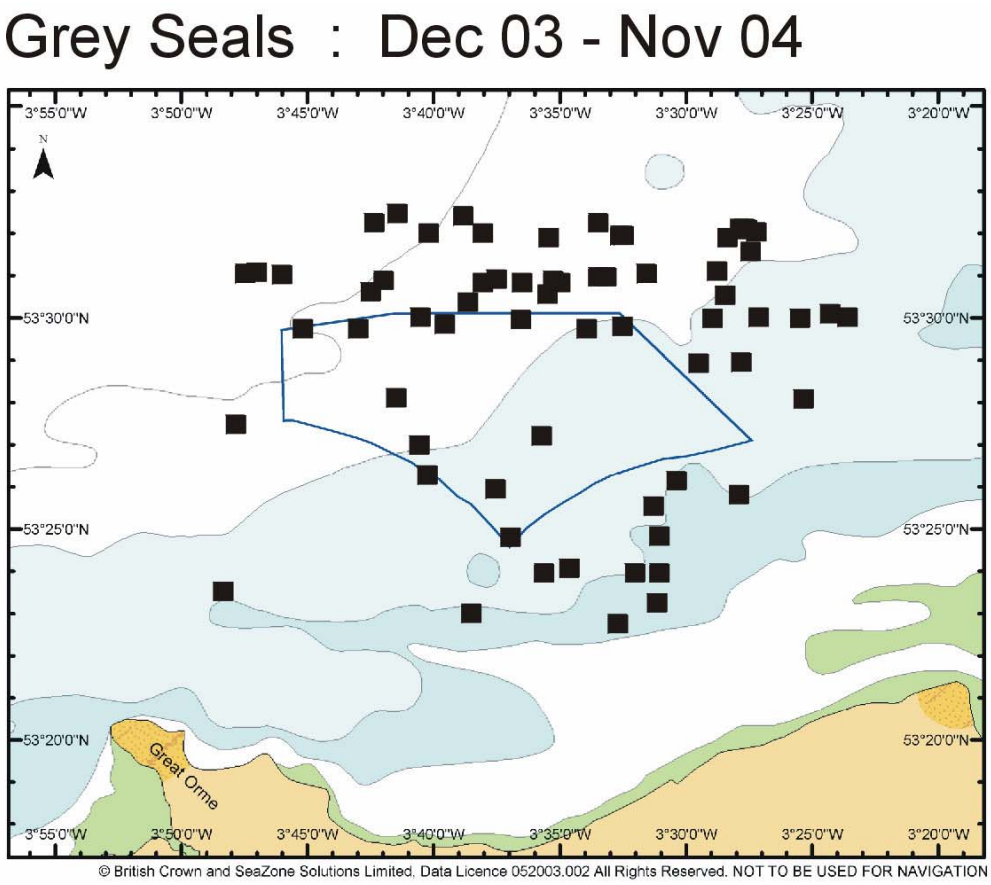


Figure 3.5. Summary plot of seal distribution, pooled across all months of the transect survey.

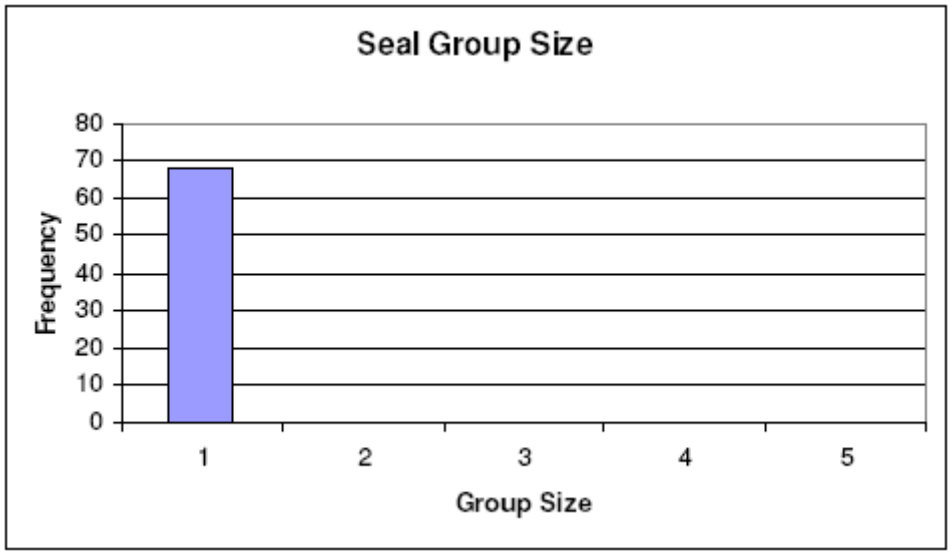


Figure 3.6. Summary of seal group size, pooled across all months of the transect survey.

Towed Acoustics

Towed TPOD

3.9 The use of a towed TPOD seems to have been quite ineffective at detecting porpoises, when considered in light of the sightings data. There were only 2 towed TPOD cetacean detections, both of harbour porpoise, throughout the 12 months survey period. The two detections both occurred during the September survey, but due to corruption in the data file date/time information it was not possible to interpolate the positions at which the detections had occurred.

3.10 There are a number of possible reasons for the apparently poor performance of the towed TPOD. First, TPODs were designed as devices for static deployment so, despite evidence that they have been successfully used in towed applications (Jefferson et al. 2002), their design envelope may have been exceeded resulting in poor performance. Second, background noise levels from the ship machinery and propellers created an adverse operating environment for the towed TPOD, resulting in signal masking. TPODs are not supplied with specified sensitivities and the background noise field created by the ship is unknown. Third, porpoises may head away from the ship track during close encounters, and as porpoise echolocation clicks are directed into a narrow, forward facing beam from the animals' forehead, such behaviour would render the clicks less susceptible to detection. Fourth, there was some initial R&D involved with the TPOD towing set-up for the first few survey cruises, and tow instability was suspected during early deployments, probably resulting in poor performance. However, the sighting and towed hydrophone data suggest that little, if anything, would have been missed during these early cruises.

Towed Hydrophone

3.11 The towed hydrophone data partially mirrors the porpoise sightings data. In total there were 153 cetacean detections across the 12-month period of surveying. Table 3.5 lists the number of cetacean detections by month. The cetacean detections were scored simply as events with no indication of the number of animals, as it is impossible to be certain how many animals were involved in a particular encounter – although the number is likely to be small. In addition, it is assumed that all cetacean detection events were triggered by harbour porpoise; a reasonable assumption given the sightings data. However, it is acknowledged that echolocation clicks from dolphins, e.g. bottlenose dolphins, could also trigger a detection event which would be indistinguishable for a harbour porpoise event. Figure 3.7 compares the porpoise visual sighting data with the hydrophone detection data.

Month	Number of Porpoise Detections
Dec 2003	0
Jan 2004	2
Feb 2004	2
Mar 2004	0
Apr 2004	31
May 2004	8
Jun 2004	10
Jul 2004	11
Aug 2004	1
Sep 2004	16
Oct 2004	29
Nov 2004	43
TOTAL	153

Table 3.5. Summary of porpoise detections by month through the towed hydrophone.

3.12 The position of each hydrophone detection, interpolated from the time of the event and the ships navigation log, is illustrated in Figure 3.8. The range and bearing of the animal(s) from the vessel position are not taken into account because these are unknown.
However, detection ranges are likely to be small, within a few hundred metres of the hydrophone at best, so the interpolated vessel position is an adequate indicator of the animal position. Figure 3.8 shows the composite distribution of harbour porpoise detections in and around the project area, across all months of the transect survey. Hydrophone detections were widespread throughout the survey area and, although appearing somewhat geometric due to the survey line interpolation, do not show an obvious pattern when viewed as pooled data.
The hydrophone detections were more numerous than the visual sightings, but were similarly seasonal in their occurrence. The distributions of hydrophone detections by month are illustrated in Appendix 3.

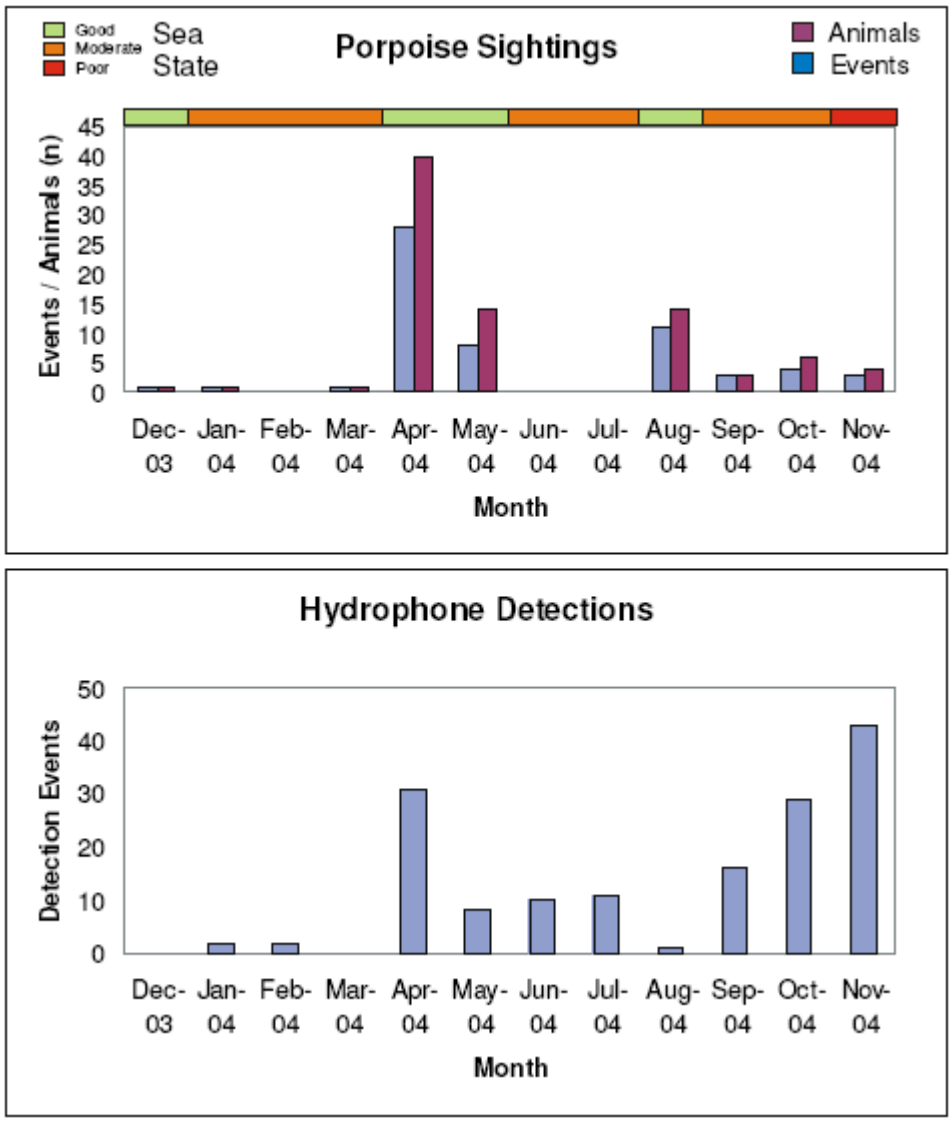


Figure 3.7. Comparison of porpoise visual sightings and acoustic porpoise detections through the towed hydrophone.

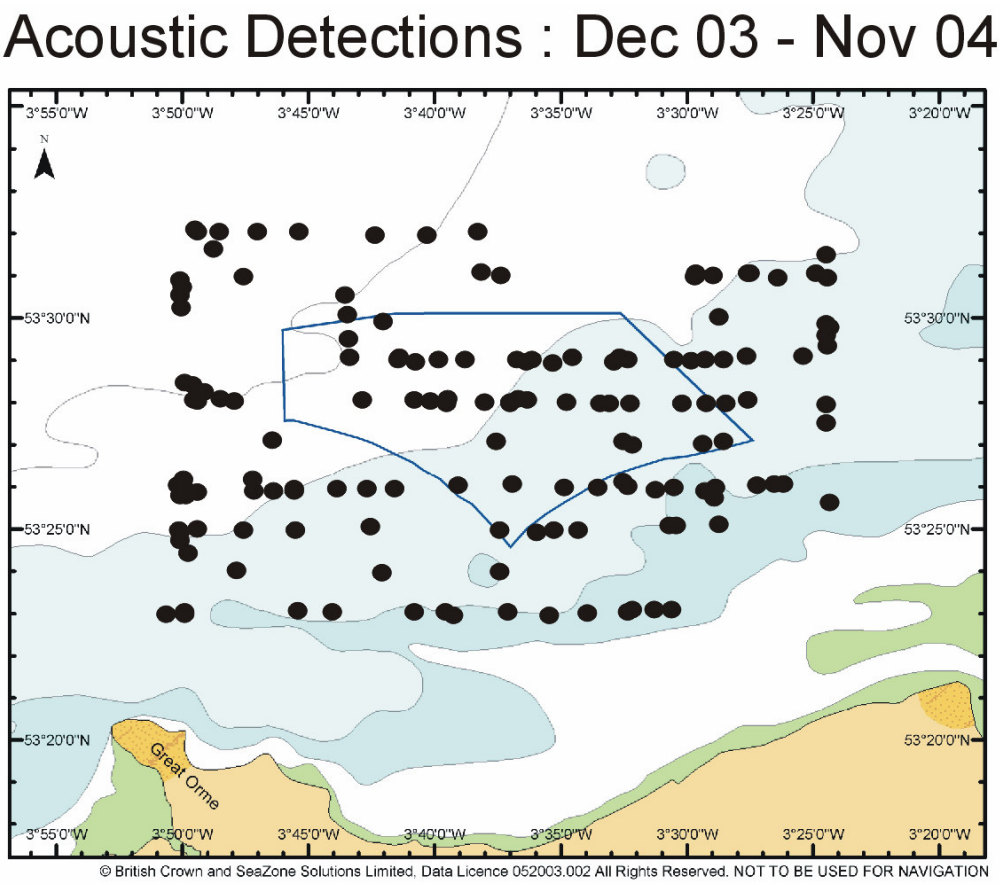


Figure 3.8. Summary plot of harbour porpoise distribution, from towed hydrophone data pooled across all months of the transect survey.

Static TPOD

Porpoises

3.13 In contrast to the towed TPOD, the static TPOD deployments provided an extensive data set. The static TPOD data from the 3 deployment sites indicate year round use of the survey area by harbour porpoise. In addition, there appear to be differences in harbour porpoise activity between the deployment sites, although absolute comparison between sites should be treated with caution due to the possibility of varying sensitivities between individual TPOD units. A seasonal pattern of detection is evident from the deployments, which mirrors the sightings data to a certain extent.

3.14 Static deployments were commenced at the two stations 'Constable Bank' and 'NH Cardinal' in March 2003. The 'Offshore' station was added in May 2004. All three stations were monitored until March 2005, in order to try and close the gap in the annual data collection cycle caused by the delayed initial deployments. Figure 2.3 shows these locations.
The downloaded data were processed and expressed as train positive minutes per day – i.e. the number of minutes per day in which porpoise echolocation click trains were detected. Figures 3.9 – 3.11 show the trend in TPM for the total duration of the deployments, using both high and low probability detection categories.

3.15 Constable Bank (Figure 3.9) displays both the greatest variability in TPM and the highest TPM count. There is a clear peak in porpoise click activity in April, reaching a level of nearly 250 TPM from a base level of around 20 TPM, indicating increased porpoise activity at this time. This trend is particularly encouraging as it matches well with the peak visual sightings obtained during the April transect survey. Therefore both sighting and static TPOD data would seem to corroborate each other. The notable April peak in the Constable Bank TPOD data is followed by a decline to a basal level of around 20 TPM. This basal level persists throughout the summer and into the autumn, showing signs of an increase to some 40 TPM in mid-late November. The notable peak in porpoise click activity observed at Constable Bank in April did not occur at any time of the year at NH Cardinal, although it should be noted that there are several data dropouts from July 2004 through into March 2005.
Data dropouts occur due to a number of factors, such as instrument malfunction, instrument loss and data corruption.

3.16 NH Cardinal (Figure 3.10) was the most successful deployment in terms of data continuity. Although the train counts are not as high as at Constable Bank, the NH Cardinal data suggests a similar trend in activity. Train counts appear highest from March – May, then reduce from June – August, followed by an increase to pre-summer levels from September – March. The TPM counts are much lower than at NH Cardinal than at Constable Bank, starting at around 10 TPM during the March – May period, then dropping to around 5 TPM through the summer, and then rising to around 10 TPM again during the Autumn and Winter. There was a notable rise in porpoise detection at Constable Bank in April, which did not occur at any time of the year at NH Cardinal. It should also be noted that there were two data dropouts at NH Cardinal, although these only account for a small proportion of the deployment period.

3.17 The Offshore deployment (Figure 3.11) began 2 months after the deployments at Constable Bank and NH Cardinal, so a complete annual cycle of data is not available. The Offshore mooring commenced in mid-May after the success of deployments at the other two sites. Levels of TPM activity from mid-May were similar to those at NH Cardinal, clustering around some 10 TPM. This level of activity can be seen to persist from mid-May through to mid-November. A substantial data dropout occurred mid-November – mid-January, after which the TPM count had risen considerably, clustering around some 50 TPM. This suggests that porpoise activity in the offshore area was increasing, and may have been a pre-cursor to the April peak

seen the previous year at Constable Bank. This may reflect a seasonal movement of porpoises through the survey area. Gaps in the Offshore TPOD data are fairly substantial, but the windows of available data are certainly sufficient to observe at least part of a seasonal trend in the data.

3.18 It is notable that the trends in Cet Hi and Cet Lo activity at each station are virtually identical. This strongly suggests that the majority of Cet Lo detections are in fact porpoise detections. It is often the case that porpoise clicks will be classified as low probability if they are of poor quality (perhaps recorded off axis, at low signal to noise ratio, and / or with only slightly varying temporal characteristics).

3.19 While it is tempting to make definitive statements about one part of the survey area being more active than another in terms of the TPM count, recent concerns have been raised about varying sensitivity between individual TPOD units. One must therefore be cautious in stating that one site is more active in absolute terms than the other. For instance, if two TPODs are registering the same levels of TPM, yet one is more sensitive than the other (i.e. detects porpoise at greater ranges), then the least sensitive of the two may be underestimating activity relative to the other. In addition, we know nothing of the background noise environment at each of the TPOD stations. Differing levels of background noise can mask cetacean signals, and make detectability a variable. However, it is unlikely that noise levels vary greatly in the 90 – 150 kHz band in which the TPODs are listening for harbour porpoise.

3.20 Further, a little caution should be exercised when considering the trends in TPM at any given site. The field procedures were laid out such that one specified TPOD would be assigned to a given site to maintain consistency (this approach mitigates the effect of interinstrument variability). However, due to instrument failures and losses, TPOD replacement was periodically necessary at each site, although such replacements were kept to a minimum.

3.21 TPOD A was used at Constable Bank from March – September, followed by TPOD D from September – November and TPOD F from November – March. Therefore we may be confident that the April peak in activity is a real phenomenon, and not an artefact of instrument variability. There does appear to be a slight increase in activity at Constable Bank from mid September, but this remains fairly constant as detected by two different TPODs, D and F. This suggests that either there is little difference in sensitivity, or that differences are having little effect.

3.22 TPOD B was used at NH Cardinal throughout the year, with the exception of 1 month from mid-April – mid-May. Figure 3.10 shows that the activity levels from March through May are consistent, before tailing off in June. Again, there is no reason to suspect that instrument variability is having a large effect on the data stream. In addition the data trend at NH Cardinal largely mirrors that at Constable Bank, albeit at much lower TPM levels, giving us some reassurance in our Constable Bank Data.

3.23 TPOD C was deployed at the Offshore station in May 2004, and remained until October. It was then replaced due to loss and TPOD E was used from October through to March 2005. Although there are substantial data gaps in the offshore data, Figure 3.11 shows that TPM counts remained constant between the May – October period when TPOD C was in use, and the October to November period when TPOD E was in use. In other words the two TPODs were reading more or less the same levels of activity. A long data dropout followed November due to file corruption, but the data stream was re-activated in January. The notable rise in TPM from January to March was detected still using TPOD E, which had previously recorded much lower levels of activity.

3.24 In essence there seems to have been little obvious effect due to the necessity of replacing TPODs on a periodic basis. Trends showing seasonal variation in activity would appear to be robust, and indeed the lack of perturbations due to instrument replacement give a little comfort when comparing absolute levels of TPM between sites. Although one cannot be absolutely

certain, it is likely that the April peak at Constable Bank represents by far the greatest level of activity recorded at the survey site.

Bottlenose Dolphins

3.25 There were several high probability detections of bottlenose dolphins at the NH Cardinal TPOD on the 7th, 10th, 11th, 12th, 13th, 15th and 16th of May 2004, indicating that the animals were in the vicinity during those dates. These were the only static TPOD detections of bottlenose dolphins throughout the duration of the survey work.

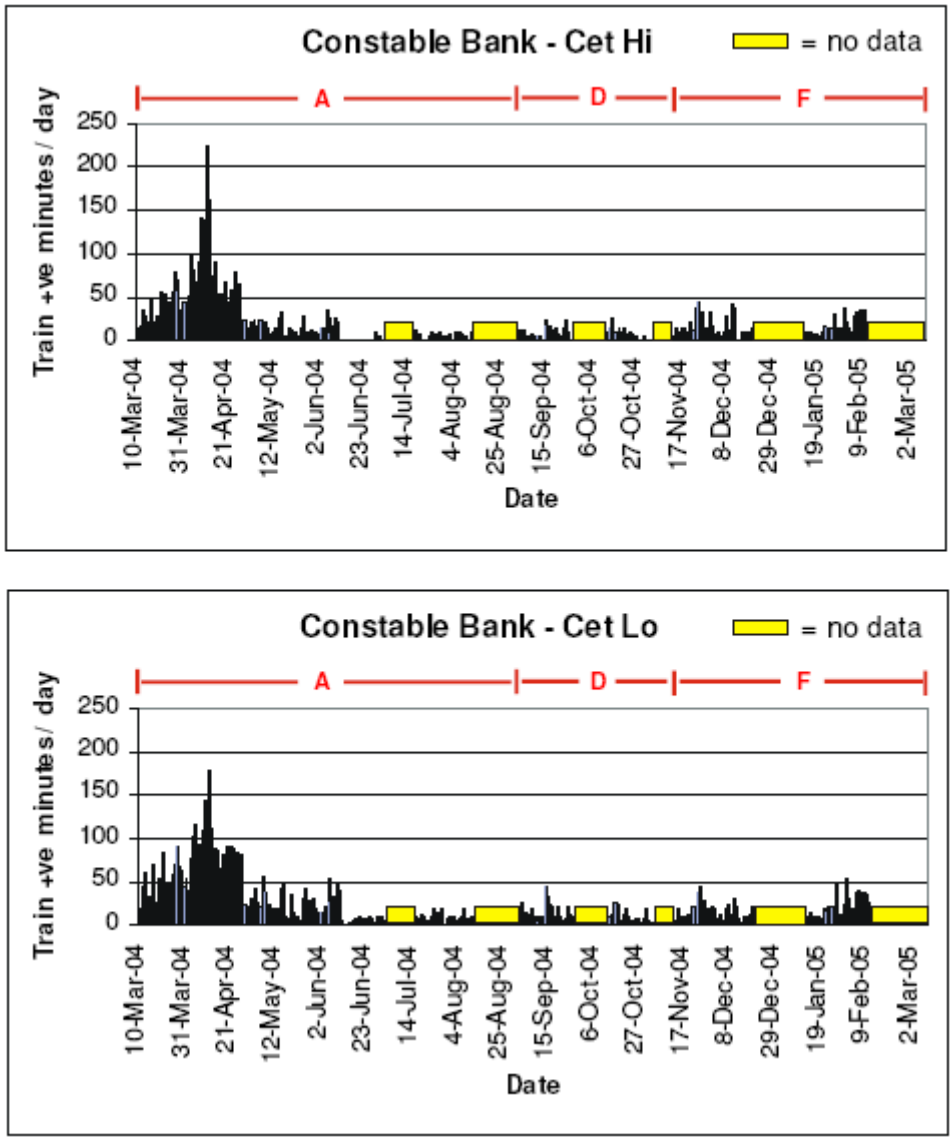


Figure 3.9. Porpoise detection at the Constable Bank TPOD, expressed as train positive minutes per day. The detection data has been separated into Cet Hi (high probability cetacean) and Cet Lo (low probability cetacean). Red bars and letters identify the individual TPODs used.

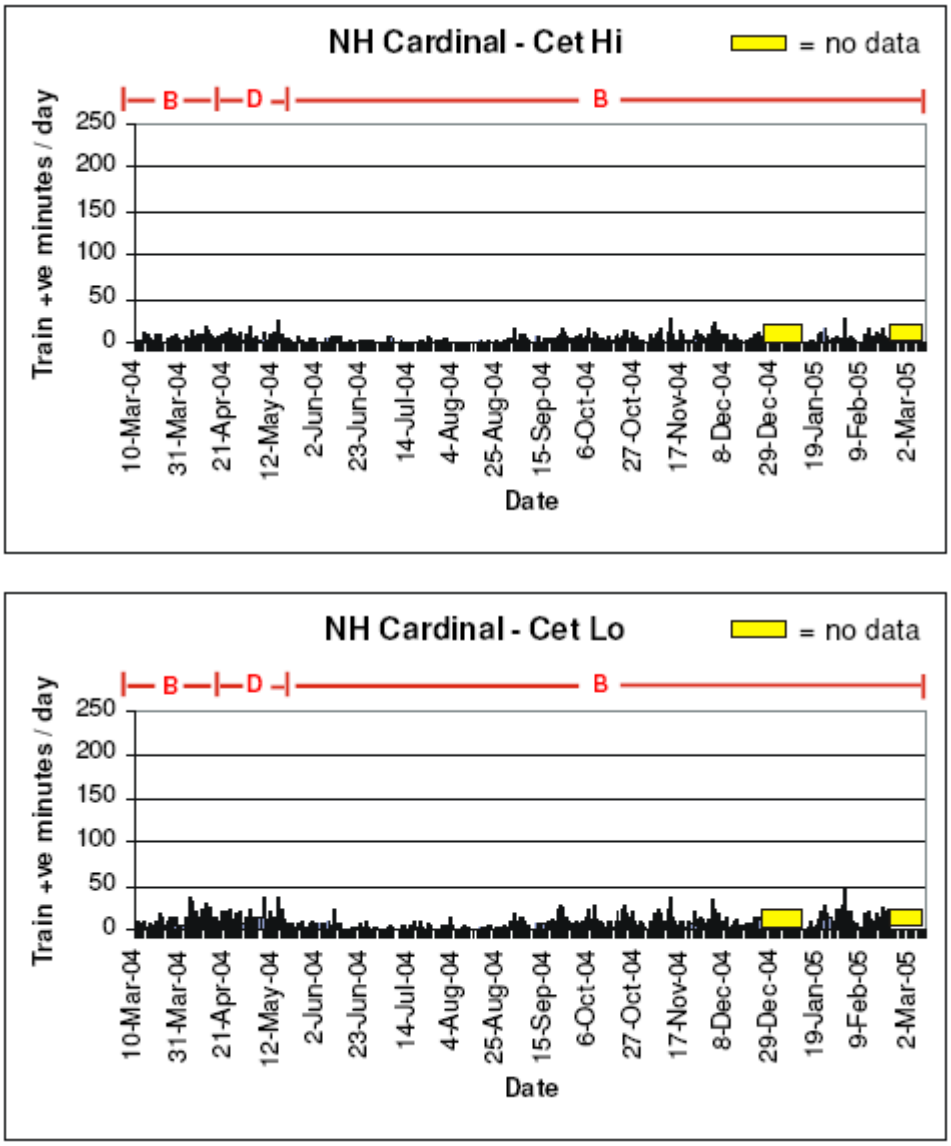


Figure 3.10. Porpoise detection at the NH Cardinal TPOD, expressed as train positive minutes per day. The detection data has been separated into Cet Hi (high probability cetacean) and Cet Lo (low probability cetacean). Red bars and letters identify the individual TPODs used.

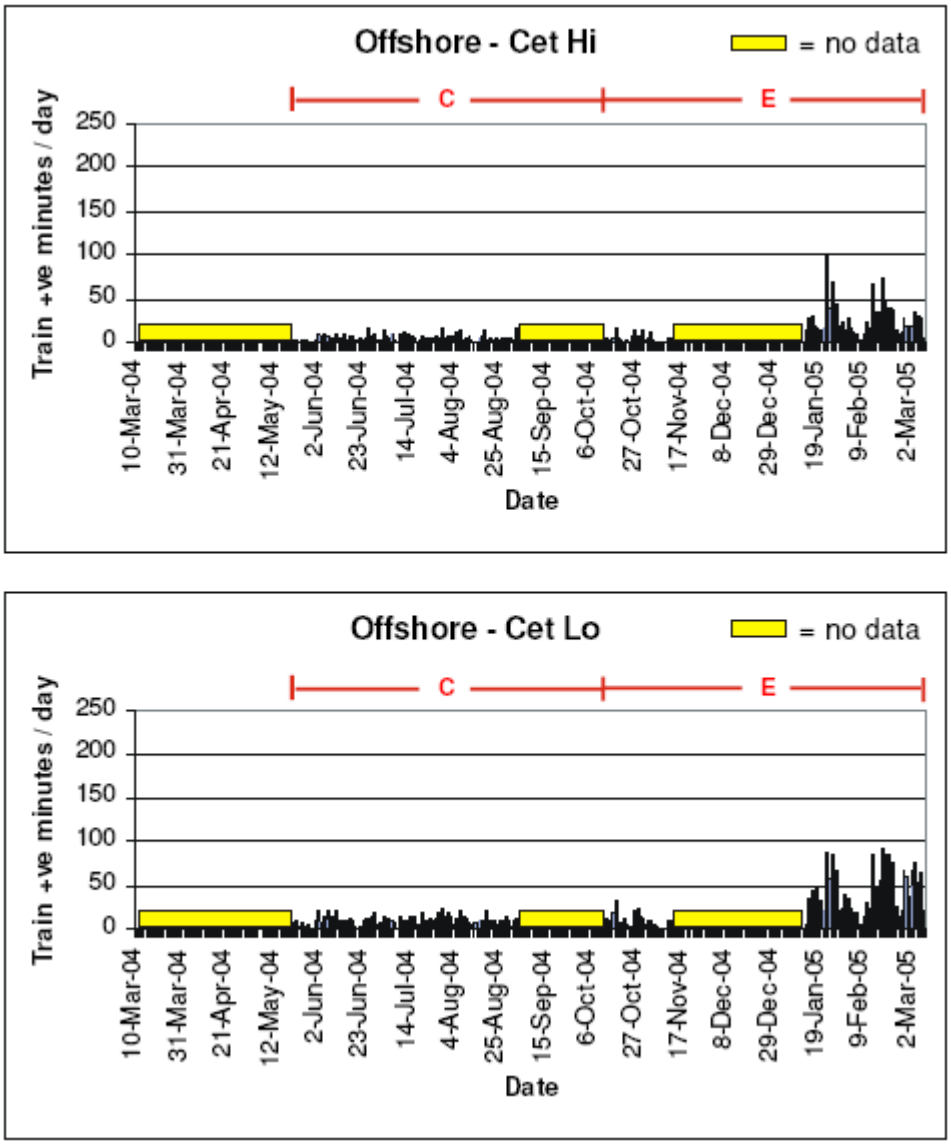


Figure 3.11. Porpoise detection at the Offshore TPOD, expressed as train positive minutes per day. The detection data has been separated into Cet Hi (high probability cetacean) and Cet Lo (low probability cetacean). Red bars and letters identify the individual TPODs used.

Land Based Visual Surveys

Scan Observations

3.26 A total of 18 land based surveys were undertaken from the Great Ormes' Head between March – November 2004, comprising some 85 hours of survey effort. The land based surveys commenced in March 2004 and extended in parallel with the offshore transect surveys until November 2004. Although broadly successful in its aims, the headland survey work was dogged throughout by poor and unpredictable weather. For instance days that were forecast to be suitable often proved to be unsuitable upon arrival at the headland, or at least only partially so. Typically calm clear days were interrupted with rolling sea mists or sheets of obscuring rain, and clearing mists and rain showers often gave way to building wind speeds, which in turn increased sea state and made marine mammal sighting more difficult. The headland is a high and exposed promontory, and as such seemed subject to micro-climates which were not generally representative of the surrounding area. Given the vagaries of the weather, the scan sampling methodology was often interspersed with off-effort, ad-libitum observations (e.g. close observation of the inshore area during poor visibility conditions), in an attempt to keep at least some form of record during unfavourable conditions. Therefore, both effort related data and non-effort related data were collected during the course of the land based surveys.

3.27 The effort related scan data is primarily used for analysis, as it has advantages over the ad-libitum data. Specifically, it is possible to make comparisons between months using the scan data, given that it is collected in a systematic manner using the same methodology throughout. From this data the number or percentage of marine mammal positive scans (i.e. scans within which a marine mammal was sighted) per month can be expressed. In addition, a comparison of relative abundance is possible. The highest count of animals per scan provides a figure for the minimum number of animals present in the viewing area during any particular survey or month, which can be useful for comparisons between months. On the down side, however, the quantity of systematic scan data obtainable was quite badly affected by the weather conditions in several instances, and renders the sample size of some months data too small to be of even qualitative value.

3.28 Lastly, by using reticulated, compass binoculars for the land based survey work, it was possible to compute range and bearing to each marine mammal sighting from the data. From this data it was possible to plot the sighting positions of marine mammals on charts for inspection. Figure 3.12 contains two composite charts showing the locations of all sightings of harbour porpoise and grey seal from the Great Orme, between March and November 2004. Appendix 4 shows individual headland sighting charts by month.

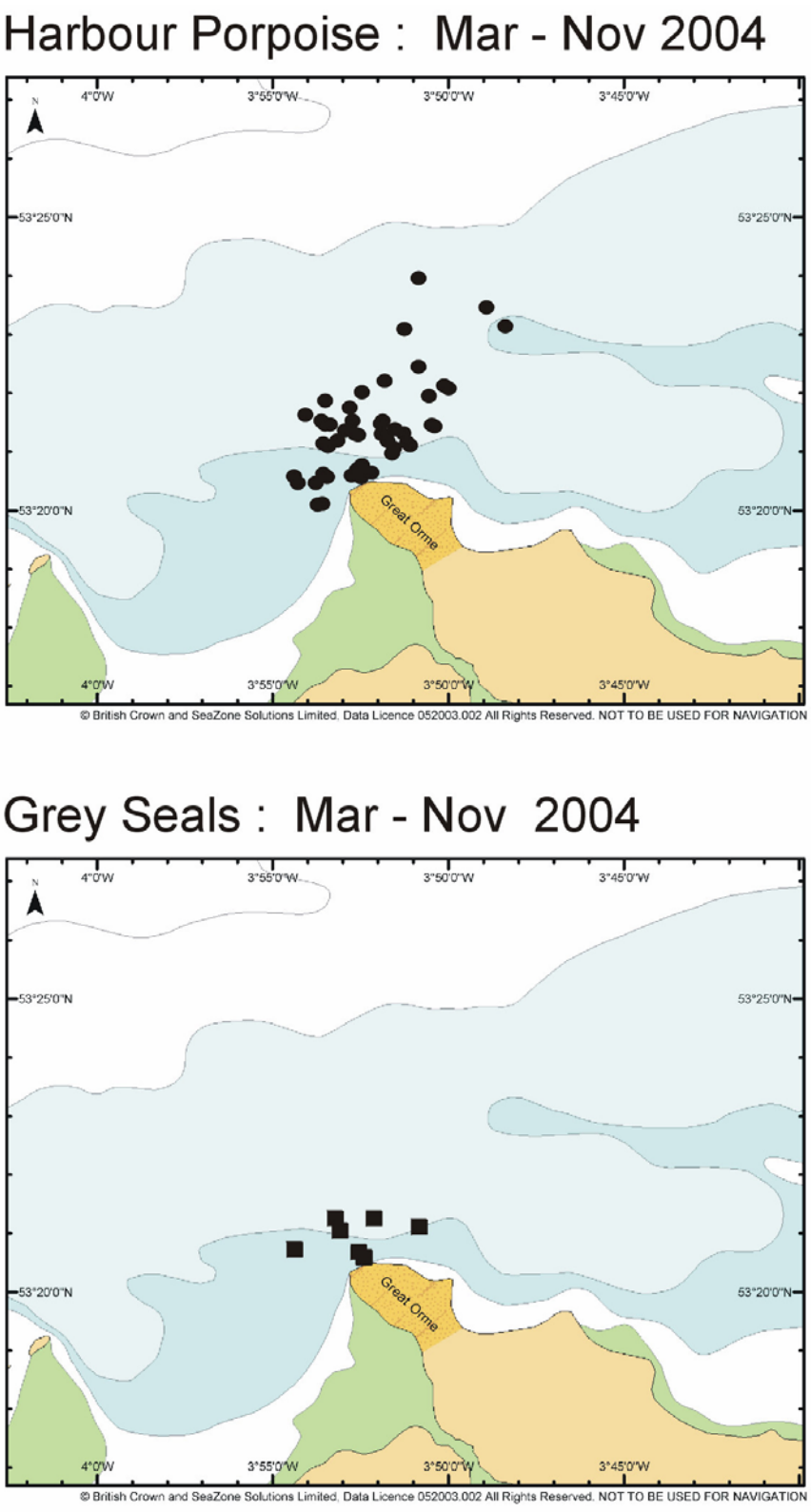


Figure 3.12 Charts showing positions of harbour porpoise and grey seal sightings from the Great Orme headland, pooled across all months from March – November 2004.

3.29 Table 3.6 and Figure 3.13 show the proportion of porpoise positive scans across the 9 month period of land based surveying. The highest proportion of porpoise positive scans occurred in March, April and November. There was also a high proportion in July, but this was based on a very small sample size and is considered an unreliable indicator – and hence this data point not included in the plot. Calves were sighted in 4 out of 8 months in which porpoises were observed.

3.30 The maximum number of porpoises recorded in a single scan is a crude measure of relative abundance, and this data is summarised in Figure 3.14. From March – June the maximum number of porpoises per scan ranged only between 2 and 3. This increased notably in July, then fell again from August to October, finally peaking at its maximum value of 16 in November.

3.31 Grey seals were also recorded in the headland scans, although their sightings were much less frequent. The seal scan data is summarised in Table 3.7 and Figure 3.15. Seals were only sighted in scans during March, April and June, and only individual adult animals were sighted within scans (Figure 3.16).

Month	Number of scans	Porpoise positive scans	Percent positive scans	Max porpoise per scan	Calves present
Mar 2004	21	3	14.3	3	No
Apr 2004	18	3	16.7	2	No
May 2004	50	1	2.0	2	No
Jun 2004	31	1	3.2	3	Yes
July 2004	6	4	*66.7	9	Yes
Aug 2004	27	0	0.0	0	-
Sep 2004	31	2	6.45	3	No
Oct 2004	11	2	*18.2	4	Yes
Nov 2004	36	5	13.9	16	Yes
TOTALS	231	21			

Table 3.6. Summary of headland scan sampling data for harbour porpoise. NB '*' denotes unreliable data due to small sample size.

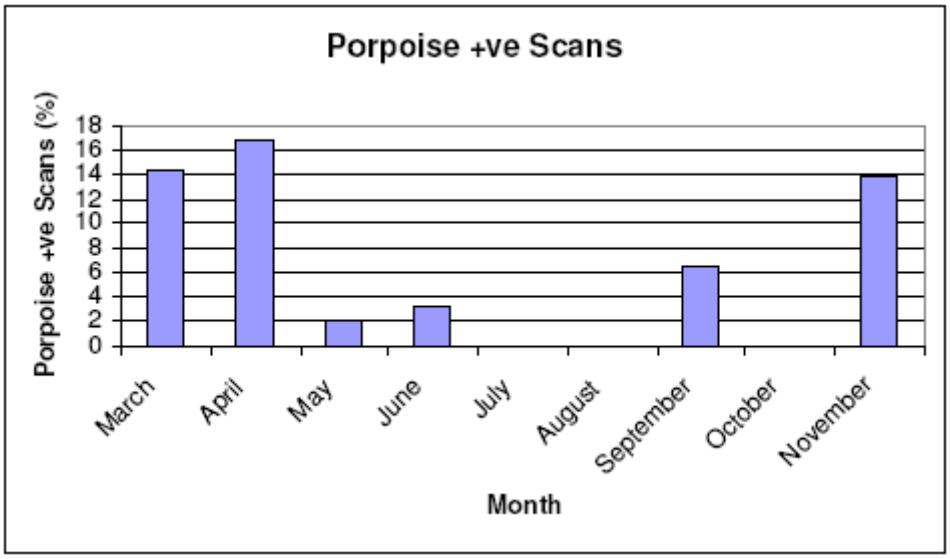


Figure 3.13. Plot of percentage positive scans per month for harbour porpoise, from headland survey data. NB: July & October percentages omitted due to small sample size.

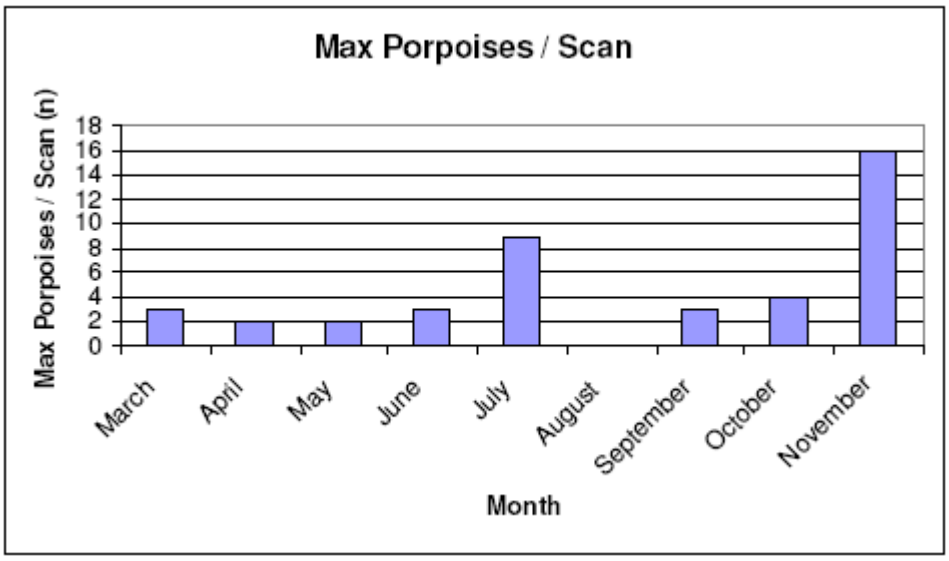


Figure 3.14. Plot of maximum number of porpoises per scan, from headland survey data.

Month	Number of scans	Seal positive scans	Percent positive scans	Max seals per scan	Pups present
Mar 2004	21	1	4.8	1	No
Apr 2004	18	2	11.1	1	No
May 2004	50	0	0.0	0	-
Jun 2004	31	1	3.2	1	No
Jul 2004	6	0	*0.0	0	-
Aug 2004	27	0	0.0	0	-
Sep 2004	31	0	0.0	0	-
Oct 2004	11	0	*0.0	0	-
Nov 2004	36	0	0.0	0	-
TOTALS	231	0			

Table 3.7. Summary of headland scan sampling data for grey seals. NB '*' denotes unreliable data due to small sample size.

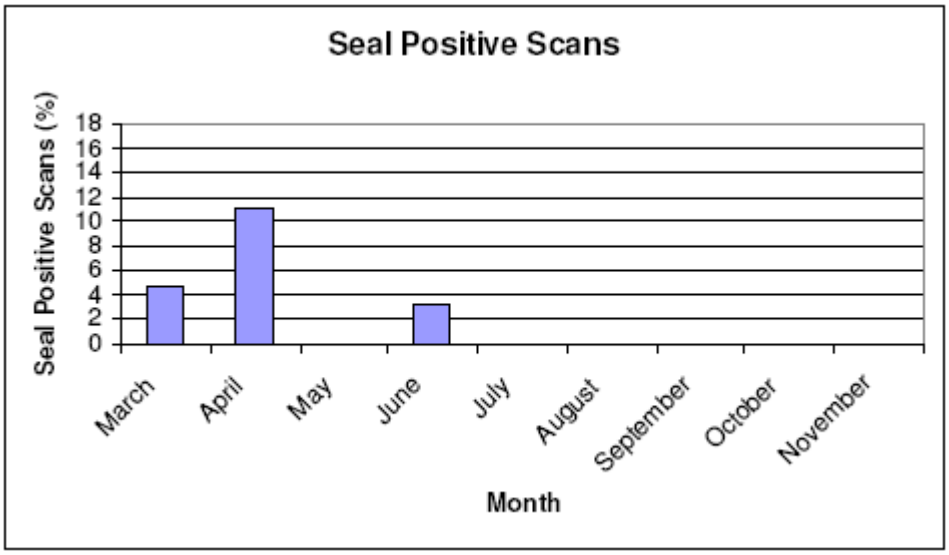


Figure 3.15. Plot of percentage positive scans per month for grey seals, from headland survey data.

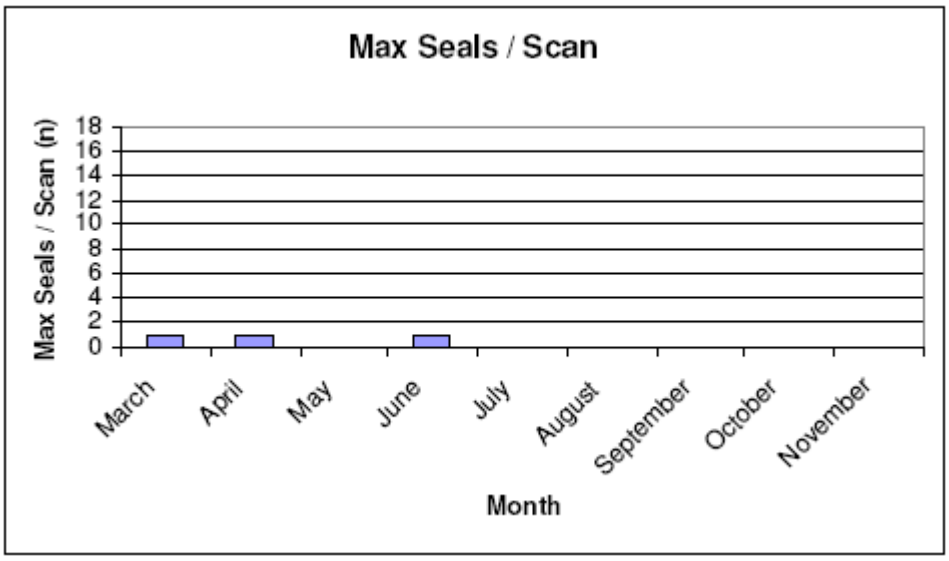


Figure 3.16. Plot of maximum number of seals per scan, from headland survey data.

Ad-libitum observations

3.32 As a number of ad-libitum observations were also made due to environmental conditions, these data are summarised in Table 3.8 and Table 3.9. These tables contain more straightforward, but less robust, data on the number of sighting events and the 'head count' of animals. These are presented for both on-effort (scans) and off-effort (ad-libitum) observations. Off-effort observations were typically made of the immediate inshore waters, from the base of the cliff to as far as visibility would allow. The on-effort (scan) observations exclude the immediate inshore waters due to the viewing elevation of the binoculars.

3.33 For porpoises, a total of 40 sightings occurred on-effort and a total of 7 off-effort. In terms of a porpoise 'head count', there was a total of 137+ porpoise sighted on-effort and a total of 23 sighted off-effort. It is very likely that repeat sightings are included in the 137 on effort head count. There was an exceedingly high on-effort head count of 97+ porpoises in November 2004, although it is almost certain that a high proportion of these were repeat sightings.

3.34 The number of sightings and the head count was much less for grey seals. There were 5 on-effort sightings of seals and 7 off-effort sightings of seals. There were head counts of 5 and 9 respectively, which probably reflect the actual number of seals sighted.

Month	Number of sightings on-effort	Porpoise 'head count' on-effort	Number of sightings off-effort	Porpoise 'head-count' off-effort
Mar 2004	4	6	-	-
Apr 2004	4	4	-	-
May 2004	2	2	-	-
June 2004	2	3	1	6
July 2004	8	14	2	7
Aug 2004	0	0	-	-
Sep 2004	2	5	-	-
Oct 2004	2	6	4	10
Nov 2004	16	97+	0	0
TOTALS	40	137+	7	23

Table. 3.8. Summary of combined headland scan data for porpoise, including both on-effort and off-effort observations. NB, Animal 'Head Count' Column almost certainly includes repeat counts of individual animals.

Month	Number of sightings on-effort	Seal 'head count' on-effort	Number of sightings off-effort	Seal 'head count' off-effort
Mar 2004	1	1	-	-
Apr 2004	2	2	-	-
May 2004	0	0	-	-
June 2004	1	1	0	0
July 2004	0	0	5	7
Aug 2004	0	0	-	-
Sep 2004	1	1	-	-
Oct 2004	0	0	2	2
Nov 2004	0	0	0	0
TOTALS	5	5	7	9

Table. 3.9. Summary of combined headland scan data for grey seals, including both on effort and off-effort observations. NB, Number of Animals Column possibly includes repeat counts of individual animals.

Bottlenose Dolphins

3.35 Bottlenose dolphins were observed on only one occasion from the Great Orme, on 24th November 2004. A group of approximately 20 bottlenose dolphins, including adults, juveniles and calves, were observed for approximately 1 hour from the headland. The group was mainly travelling and tracked from east to west towards Anglesey, as illustrated in Figure 3.17.

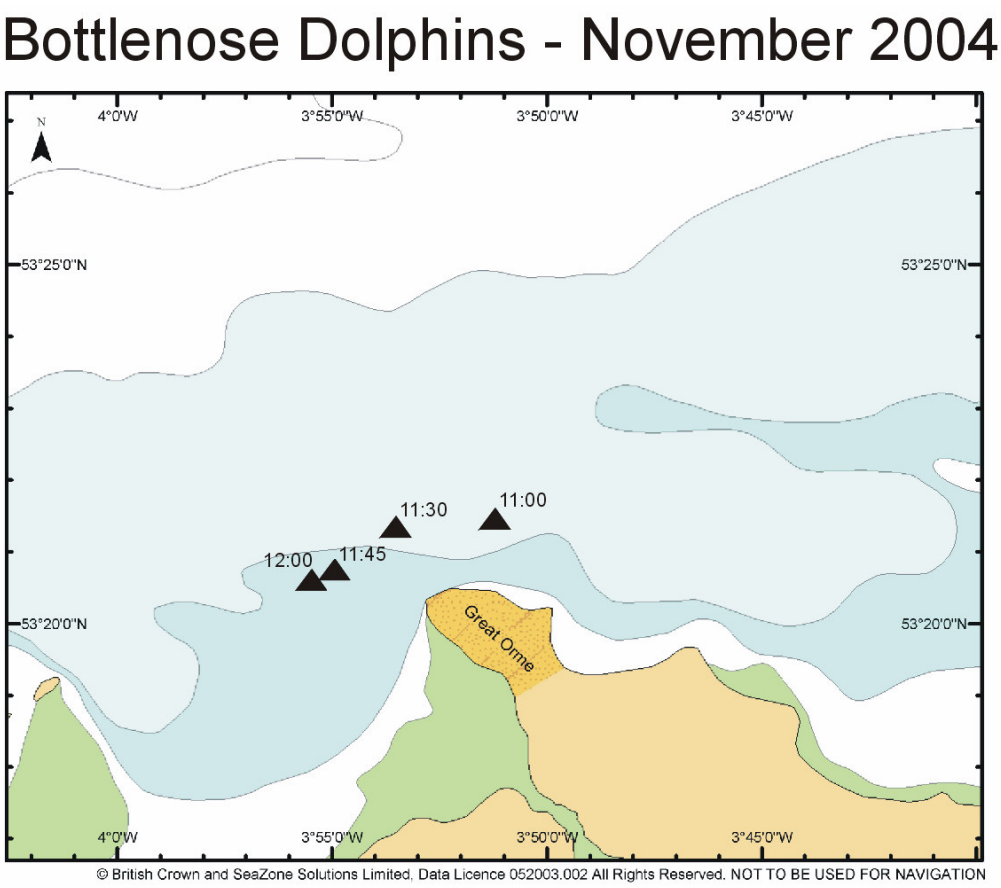


Figure 3.17. Chart showing a series of timed fixes on a group of 20 bottlenose dolphins as they tracked eastwards past the Great Orme on 24th November 2004.

Casual Sightings

3.36 There have been a few casual sightings of cetaceans in the survey area. The CMACS survey team sighted a group of approximately 200 common dolphins on 22nd November 2003 at position NE 53.43181, -3.64035 (bottom central location of the Gwynt y Môr site offshore from Abergele); juveniles were seen within this group. The same team sighted a smaller group of approximately 12 common dolphins on 3rd December 2003, at position NE 53.40497, -3.78416 (south west corner of the Gwynt y Môr site, offshore from the Great Orme); one juvenile was sighted among the group. The CMACS team made one further sighting of a group of approximately 20 – 30 cetaceans (species undetermined) offshore from Abergele on 4th December 2003. Given the group size, this sighting is very likely to have been of some dolphin species, and given the proximity to the 3rd December sighting was in all probability common dolphins.

3.37 Casual sightings of harbour porpoise and bottlenose dolphins were made during additional TPOD recovery trips in January and March 2005. In January, 3 porpoises were sighted and one group of approximately 20 bottlenose dolphins was encountered. The bottlenose dolphin encounter occurred approximately 1.5 miles west of Point Lynas
(Anglesey), at position 53 25.35N, 004 14.75 W, and as such was well outside the Gwynt y Môr project area. It is suspected that this group of dolphins was the same group as observed from the Great Orme in November 2004, as a group of bottlenose dolphins was seen by local fishermen periodically in the general area of the Anglesey coast from November 2004 – March 2005.

Unfortunately we can offer no proof that this was the same group, as photo ID was not possible under either of the encounter conditions. The dolphins in the November sighting were too distant from the Great Orme to allow effective photo ID, and the January boat encounter occurred in the poor light of dusk, thus negating any attempt at photography. On 30 May 2005 a Minke Whale was sighted during casual observations from land by the first and third authors; the whale was approximately 1.7 km off the Coast of Anglesey at position 53 19.96 N, 004 5.77 W. This position is approximately 5 km west-north-west of Puffin Island and is an unusual sighting for the Anglesey coast. The whale was observed to be lunge feeding.

4. DISCUSSION OF FINDINGS

4.1 Overall the data suggest that both the project area and the wider marine mammal survey area are used year round by harbour porpoises. Grey seals were sighted for at least six months of the year, and in all probability use the area year round given the proximity of haul-out sites at Hilbre Island and the east coast of Anglesey. Data from the SEA6 (Strategic Environmental Assessment: Area 6 – Irish Sea) study on seal tagging show fairly heavy use of the southern part of Liverpool Bay by a sample of grey seals (Hammond et al, 2005). Seal tracks plotted in the SEA6 study report cross the Gwynt y Môr study area repeatedly. Other species of marine mammal appear to be only transient or occasional visitors to the Gwynt y Môr study area.

4.2 For the most part the visual sighting and acoustic data support one another. In nearly all cases there appears to be relatively low levels of marine mammal activity in the winter (December – March), the only exception being the Offshore TPOD which showed a distinct rise in activity from January – March. Peaks occurred in both vessel based acoustic and visual data in April and May, suggesting an influx of animals into the area. Although sea state was improved in April and May over much of the winter (except December), such a notable increase in marine mammal activity is not thought to be an artefact of this, especially given that the acoustic data shows the same trend as the visual data. Further, the static TPOD data from Constable Bank and NH Cardinal show raised levels of activity in April and May compared to other times of the year, with a notable April peak occurring in the Constable Bank record.

4.3 June and July appear to be relatively quiet marine mammal wise, with no sightings recorded from vessel based surveys, although sea state during these months was poorer than in April and May. Vessel based acoustic data show porpoise detections in June and July, although much below April levels. Static TPOD data from all three moorings also show low levels of activity during the summer compared to the April-May period. Vessel based sightings of harbour porpoise and grey seals resumed at moderate levels in August (relative to April) then continued at relatively low levels to November However, the vessel based acoustic detections actually increased across the same period. The number of porpoise sightings in November was similar to those from September – October, however sea state was very poor in November, which suggests that sightings may have been higher in
November had it not been for this limiting factor. Static TPOD data recorded rising levels of activity in the Autumn compared to the summer months, although without any notable peaks.

4.4 It is tempting to think of this pattern of observation as recording an influx ofporpoises into the area in April, possibly heading inshore, and an out-flux of animals in the late Autumn, possibly heading offshore. While our data are not comprehensive enough to make this case definitively, the observations are consistent with this notion and there is good reason to suppose that this may be at least part of the picture.

4.5 Section 1 (1.8) summarises the known biology of harbour porpoise in UK coastal waters, and current evidence suggests that although the harbour porpoise is thought to be a coastal species, their abundance in inshore coastal waters is reduced in the winter relative to the summer. The interpretation of this is that animals move offshore into continental shelf waters in the winter, and return inshore during the spring/summer to breed and calve. There is evidence that Welsh coastal waters act as something of a nursery ground for harbour porpoises, with a much higher proportion of calves present in the stranding record than around other parts of the UK coast (Penrose & Pierpoint, 1999). The stranding data also show that, with one exception, all but one case of fresh neonate strandings in across a 10 year period from 1989 – 1999 occurred from Cardigan Bay southward. Neonates in fresh condition were only recorded in Cardigan Bay, Carmarthen Bay and Swansea Bay, perhaps indicating the proximity of habitats of particular importance (Penrose & Pierpoint, 1999).
Peak calving time for harbour porpoise around the UK coast appears to be June-July time, and peak numbers of animals appear to be found in inshore welsh coastal waters at this time of the

year with many calves (Calderan, 2003; Weare, 2003). Although winter observations are limited, it does not seem that such high numbers of porpoises are recorded in inshore waters in the winter. Accepting this, it is necessary for animals to come from somewhere for the summer months, and it is possible that our observations have caught a snapshot of an inshore migration of animals. It is also possible that the porpoises sighted in April were simply following a food resource, as local knowledge from fishermen suggests a herring run at this time of year. However, the two factors need not be mutually exclusive, as small marine mammals like harbour porpoises must feed regularly to sustain themselves. Indeed the presence of prey species is likely to partially dictate the selection of small cetacean migratory pathways and suitable calving habitat.

4.6 Land based surveys from the Great Orme recorded porpoises in those inshore waters in all months from March – November, except August. Headland surveys did not begin at the same time as the transect surveys, and hence there is no scan data for the winter months.
The second highest relative abundance (maximum number of porpoises per scan) was recorded in July. The proportion of porpoise positive scans is also very high in July, but is based upon a very small sample size and hence is suspect. The highest relative abundance was recorded in November, with 16 porpoises in a single scan. This observation might reflect part of an offshore movement of animals at this time of year. It is notable that calves were present in 4 out of the 8 months in which porpoises were observed from the headland, whereas no calves were observed from the transect surveys. This is consistent with the notion that coastal waters are used as a calving and nursery ground. Although calves are clearly present in the coastal waters of north Wales, comparable survey data from northern and more southern sites along the coast of Wales do not yet exist with which to assess the relative importance of these areas for calving. Thus far the stranding data suggest that the waters north of Cardigan Bay may not be a primary habitat for neonates.

4.7 In terms of the importance of the Gwynt y Môr project area to marine mammals, this is difficult to quantify. Both grey seals and harbour porpoise were seen across the site for most months of the year. The area is very likely to be a foraging ground for grey seals, given that they have been observed feeding in the area, that the area is know locally as something of a flatfish nursery area, and that the Gwynt y Môr project area is located in an area that encompasses grey seal haulout sites to the east at Hilbre Island and to the west along the east coast of Anglesey. Indeed, the seal tracking data from the SEA6 project (Hammond et al, 2005) show heavy usage of the southern part of Liverpool Bay by tagged seals, which encompasses the Gwynt y Môr project area. There was an apparent inshore movement of seals between initial sightings in April-May, and later sightings in September. This shift in distribution is consistent with inshore movement of prey species such as flatfish from April through the summer months, as these fish move from offshore wintering areas to inshore spawning grounds.

4.8 The static TPOD data indicates that harbour porpoise are present in the area year round, although it is hard to quantify how important the area may be for them. It is possible to make a snapshot comparison of activity levels recorded in and around the Gwynt y Môr project area, with a brief TPOD deployment made from the north coast of Anglesey in the summer of 2003. Figure 4.1 shows the comparison of TPM from Constable Bank with the Anglesey deployment the previous year.

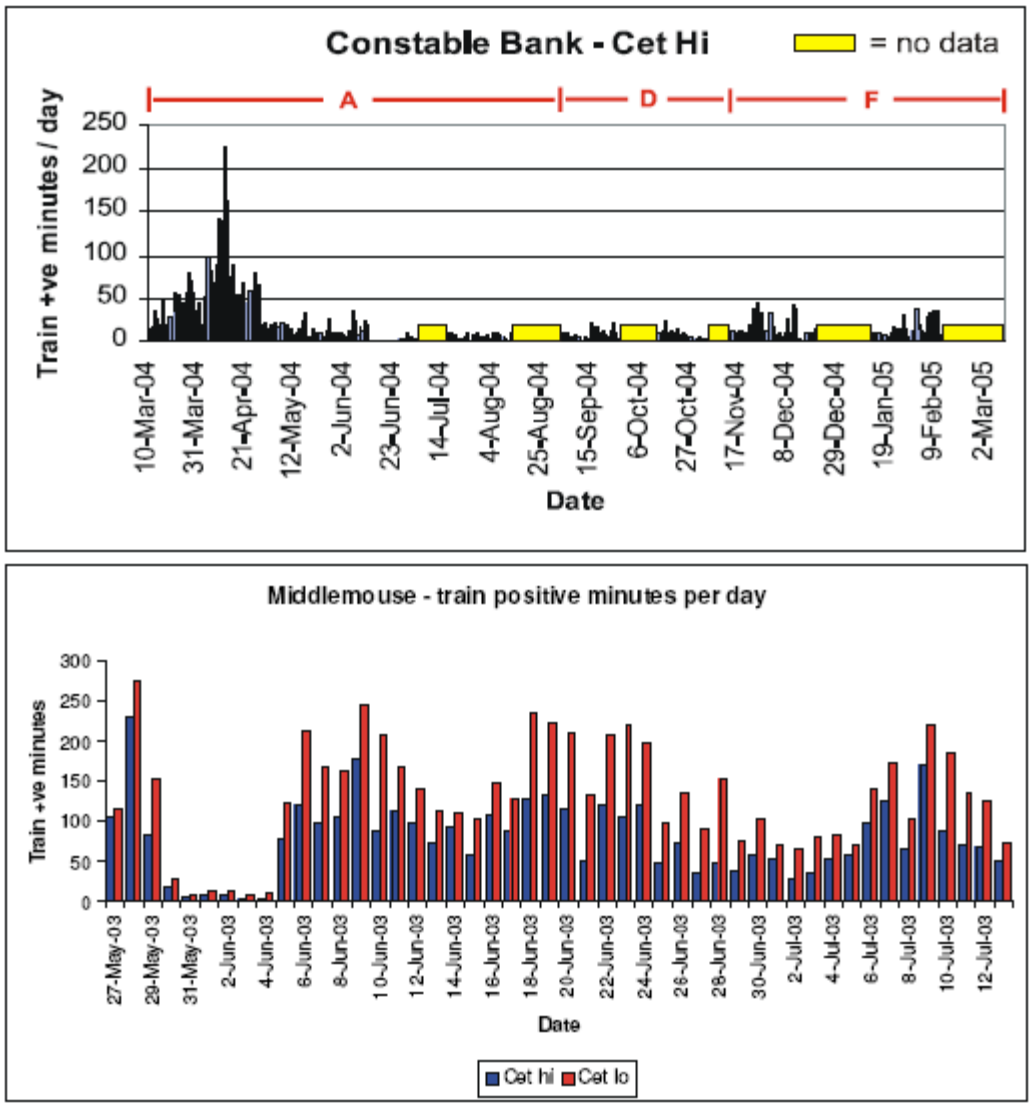


Figure 4.1. Comparison of porpoise train positive minutes per day from Constable Bank in 2004 and the Middlemouse site on the north coast of Anglesey in summer 2003.

4.9 It is clear from Figure 4.1 that the overall TPM count at Anglesey was higher than at the busiest site of the Gwynt y Môr survey deployments. Only the notable April peak in activity at Constable Bank rivals the TPM count recorded off Anglesey.

4.10 Such a comparison should, however, be treated with caution. First, the question of inter-TPOD variability (sensitivity) arises once more, since the TPOD unit used at Middlemouse was not one of the six used at the Gwynt y Môr study site. If the TPOD off
Anglesey was more sensitive than the ones used at Gwynt y Môr, then higher counts might be expected. In defence of the observed comparison, however, we might note that the Anglesey TPOD was deliberately placed in an inshore location known to be frequented by harbour porpoise, as part of a focal, fine scale habitat study (Calderan, 2003). That said, however, the calibration issue still stands and we do not have continuous visual corroboration of levels of porpoise activity at the Gwynt y Môr TPOD deployment sites. Second, TPODs only have limited detection ranges, dictated by their sensitivity and the levels of background noise in the water. It would only be necessary to deploy the TPODs a short distance away from an area of major porpoise activity in order for this not to be detected. However, all things being equal, it is likely

that the north coast of Anglesey is an area of higher porpoise activity during the summer than is the Gwynt y Môr project area.

4.11 At the outset of this project, we had no reason to pre-suppose that one part of the project area would be more active than another part, hence the deployments were made simply to try and obtain a geographical spread of recording across the project area. The
TPOD data from NH Cardinal shows a more or less constant level of porpoise activity across the year, albeit with slightly reduced summer levels. The Constable Bank and Offshore TPOD data, however, show notable peaks at certain times of the year. This suggests increased levels of porpoise activity at those sites at certain times of the year, which does not occur at NH Cardinal. Therefore the data suggest that porpoise activity and habitat use across the area is not homogeneous.

4.12 It is distinctly possible that a 'swath' of feeding and migrating porpoises passed by the Offshore and Constable Bank TPODs, but that NH Cardinal was extra-limital to this and hence did not register any great change in activity. If a general inshore movement of
porpoises is occurring in the spring, as seems probable from the available evidence, it would seem that the Gwynt y Môr project area is at least partially within a migratory pathway. The fact that there were no calf sightings within the Gwynt y Môr study area itself suggests that this is not a critical calving habitat for harbour porpoise. The composition of animals passing through the Gwynt y Môr study area would appear to be primarily adults. Although the sex of porpoises cannot be easily determined at a distance, it is likely, given the peak calving time (June) of porpoise in inshore coastal waters, that pregnant females are among the animals passing through the Gwynt y Môr area.

5. Conclusion

5.1 In summary, the Gwynt y Môr area is utilised by harbour porpoise throughout the year, with various peaks and troughs in activity that are consistent with an inshore movement to coastal waters in April-May for breeding and calving, and an offshore movement into continental shelf waters around November. This pattern of movement is consistent with the known biology of harbour porpoise in UK coastal waters on a much broader scale. The absence of calf sightings within the Gwynt y Môr study area suggests that this is not a critical habitat for breeding & calving. Feeding and migrating adults appear to pass through the project area in the spring, and are likely to be heading for inshore coastal waters to breed and calve. Given the peak time for porpoise calving (June) it is likely that these transitory adults include pregnant females.

5.2 Grey seals are present in the area for at least six months of the year and clearly forage in the area at certain times (e.g. April). Seal usage might be more extensive throughout the year, but could only be monitored by visual methods which were compromised by sea state. There was an apparent inshore movement of seals between initial sightings in April-May, and later sightings in September. This shift in distribution is consistent with inshore movement of prey species such as flatfish from April through the summer months, as these fish move from offshore wintering areas to inshore spawning grounds. Seal tracking data from the SEA6 project suggest that the southern part of Liverpool Bay, encompassing the Gwynt y Môr project area, is a high usage area for grey seals.

5.3 Harbour porpoise and grey seals were the only marine mammal species sighted or detected in the area with any regularity. Bottlenose dolphins, Common dolphins and Minke whale were sighted and detected infrequently and are considered to be transient or occasional visitors, which is consistent with their listed status in the region.

6. References

Aarefjord, H, Bjørge, AJ, Kinze, CC, Lindstedt, I (1995) Diet of the harbour porpoise (*Phocoena phocoena*) in Scandinavian waters. Reports of the International Whaling Commission Special Issue **16** 211-222.

Baines (2003) Sightings in Wales Issue 4 – Summer 2003. CCW & Sea Watch Foundation.16p

Berrow, SD, Long, SC, McGarry, AT, Pollard, D, Rogan, E, Lockyer, C (1998) Radionuclides ($_{137}$Cs and $_{40}$K) in harbour porpoises *Phocoena phocoena* from British and Irish coastal waters. Marine Pollution Bulletin **36** 569-576

Brodie, PF (1995) The Bay of Fundy/Gulf of Maine harbour porpoise (*Phocoena phocoena*): Some considerations regarding species interactions, energetics, density dependence and bycatch. Reports of the International Whaling Commission Special Issue **16** 181- 187

C-Map Electronic Chart System

Calderan, SV (2003) Fine-scale temporal distribution by harbour porpoise (*Phocoena phocoena*) in North Wales: acoustic and visual survey techniques. MSc Thesis. University of Wales, Bangor

CEFAS (2001) Fisheries Information – cod, whiting, plaice and sole in the Irish Sea. EU Study Contract 99-009

CEFAS – Fish Stock Management (2004) cefas.co.uk/fishinfo/

CMACS (2002) Burbo Offshore Wind Farm Environmental Impact Assessment – technical report marine ecology. Report produced for Seascape Energy Ltd. Centre for Marine and Coastal Studies, ERC, University of Liverpool. 134p

Coull, KA, Johnstone, R, Rogers, SI (1998) Fisheries Sensitivity Maps in British Waters. UKOOA Ltd.

Das, K, Lepoint, G, Leroy, Y, Bouquegneau, JM (2003) Marine mammals from the southern North Sea: feeding ecology data from δ_{13}C and δ_{15}N measurements. Marine Ecology Progress Series **263** 287-298

Department for the Environment, Transport and the Regions (DETR); Ministry of Agriculture, Fisheries and Food; Scottish Executive Rural Affairs Department; Department of Agriculture and Rural Development (Northern Ireland); National Assembly for Wales Environment Division; Department of the Environment in Northern Ireland (2000) A UK Conservation Strategy for the Harbour Porpoise (*Phocoena phocoena*). Department of Environment, Transport and the Regions, London, 14p

EC (1992) Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora. Official Journal L206 (22.7.1992) pp7-50. europa.eu.int/eur-lex/en/lif/dat/1992/en_392L0043.html

Gannon, DP, Craddock, JE, Read, AJ (1998) Autumn food habits of harbor porpoises, *Phocoena phocoena*, in the Gulf of Maine. Fishery Bulletin **96**, 428-437

Hammond, PS, Berggren, P, Benke, H, Borchers, DL, Collet, A, Heide-Jorgensen, MP,

Heimlich, S, Hiby, AR, Leopold, MF, Oien, N (2002) Abundance of harbour porpoise and other cetaceans in the North Sea and adjacent waters. Journal of Applied Ecology **39** 361-376

Hammond, PS, Northridge, SP, Thompson, D, Gordon JCD, Hall, AJ, Aarts G, Matthiopoulos J (2005) Background information on marine mammals for Strategic Environmental Assessment 6. Report to the Department of Trade & Industry.

Hoek, W (1992) An unusual aggregation of harbour porpoises (*Phocoena phocoena*). Marine Mammal Science **8** 152-155

Hughes, K (1998) The status of the harbour porpoise (*Phocoena phocoena*) in UK waters. MSc Thesis. University of Greenwich, London

Hui, CA (1979) Undersea topography and the distribution of dolphins of the genus Delphinus in the southern California Bight. Journal of Mammalogy **60** 521-527

Jefferson T.A., Hung S.K., Law L., Torey M. and Tregenza N. (2002). Distribution and abundance of finless porpoises in Hong Kong and adjacent waters of China. Raffles Bulletin of Zoology, Supplement **10**: 43–55 Facultative Freshwater Cetaceans of Asia: their Ecology and Conservation.

JNCC (2003) Irish Sea Pilot. Issue **2** (March 2003)

JNCC (2004) jncc.gov.uk/protectedsites/sacselection/SAC_species.asp

Marine Awareness North Wales (saveourseas.co.uk)

Morris, R (1999) Cruising Anglesey and adjoining waters (Liverpool to Pwllheli) North West Venturers Yacht Club, Beaumaris, Anglesey.234p

Natural Environment Research Council (NERC) (1998) Cetacean distributions in the waters around the British Isles. In United Kingdom Digital Marine Atlas (UKDMAP) Third Edition

Northridge, SP, Tasker, ML, Webb, A, Williams, JM (1995) Distribution and relative abundance of harbour porpoises (*Phocoena phocoena* L.), white-beaked dolphins (*Lagenorhynchus albirotris* Gray), and minke whales (*Balaenoptera acutorostrata* Lacepède) around the British Isles. ICES Journal of Marine Science **52** 55-66

NWP Offshore Ltd (2002) North Hoyle Offshore Windfarm Environmental Statement
Penrose, R. and Pierpoint, C. (1999). The use of Welsh coastal habitats as calving and nursery grounds for the harbour porpoise (*Phocoena phocoena*). Marine Environmental Monitoring. 22

Pierpoint, C (2001) Harbour porpoise distribution in coastal waters of SW Wales. A Report to the International Fund for Animal Welfare. 41p

Read, AJ (1999) Harbour Porpoise *Phocoena phocoena* (Linnaeus, 1758) in Ridgeway, S, Harrison, RH (eds) Handbook of Marine Mammals Vol 6 Academic Press, pp323-355

Reeves, RR, Stewart, BS, Clapham, PJ, Powell, JA (2002) Sea mammals of the world. A&C Black Publishers. 527p

Reid, JB, Evans, PGH, Northridge, SP (2003) Atlas of Cetacean distribution in the northwest European waters. JNCC. 76p

Rogan, E, Berrow, SD (1996) A review of harbour porpoises, *Phocoena phocoena*, in

Irish Waters. Report of the International Whaling Commission **46** 595-605

Rogan, E, Penrose, R, Gassner, I, Mackey, MJ, Clayton, P (2001) Marine mammal strandings: a collaborative study for the Irish Sea. Maritime Ireland/Wales INTERREG Report No.8. 53p

Stone, CJ (2003) The effects of seismic activity on marine mammals in UK waters 1998-2000. JNCC Report 323.

Walton, MJ (1997) Population structure of harbour porpoises *Phocoena phocoena* in the seas around the UK and adjacent waters. Proceedings of the Royal Society of London Series B **264** 89-94

Weare, JS (2003). Abundance and habitat use of harbour porpoise (*Phocoena phocoena*) off Point Lynas, Anglesey. MSc Thesis, University of Wales, Bangor.

Yasui, WY, Gaskin, DE (1986) Energy budget of a small cetacean, the harbour porpoise, *Phocoena phocoena* (L.). Ophelia **25** 183-97

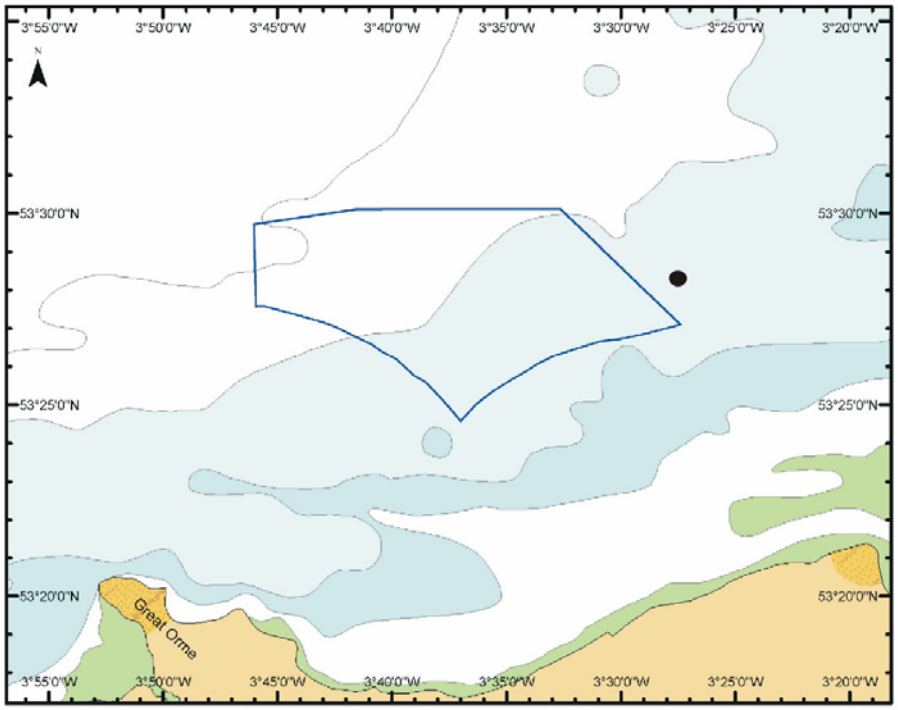
APPENDIX 1: Definition of Sea States

Appendix 1. Definition of Sea States

Sea State	Definition
0	Mirror calm
1	Slight ripples, no foam crests
2	Small wavelets, glassy crests, but no whitecaps
3	Large wavelets, crests begin to break, few whitecaps
4	Longer waves, many whitecaps
5	Moderate waves of longer form, some spray
6	Large waves, whitecaps everywhere, frequent spray
7	Sea heaps up, white foam blown in streaks
8	Long high waves, edges breaking, foam blows in streaks
9	High waves, sea begins to roll, dense foam streaks

APPENDIX 2: Harbour Porpoise & Grey Seal Sighting Distribution Maps

Harbour Porpoise - December 2003



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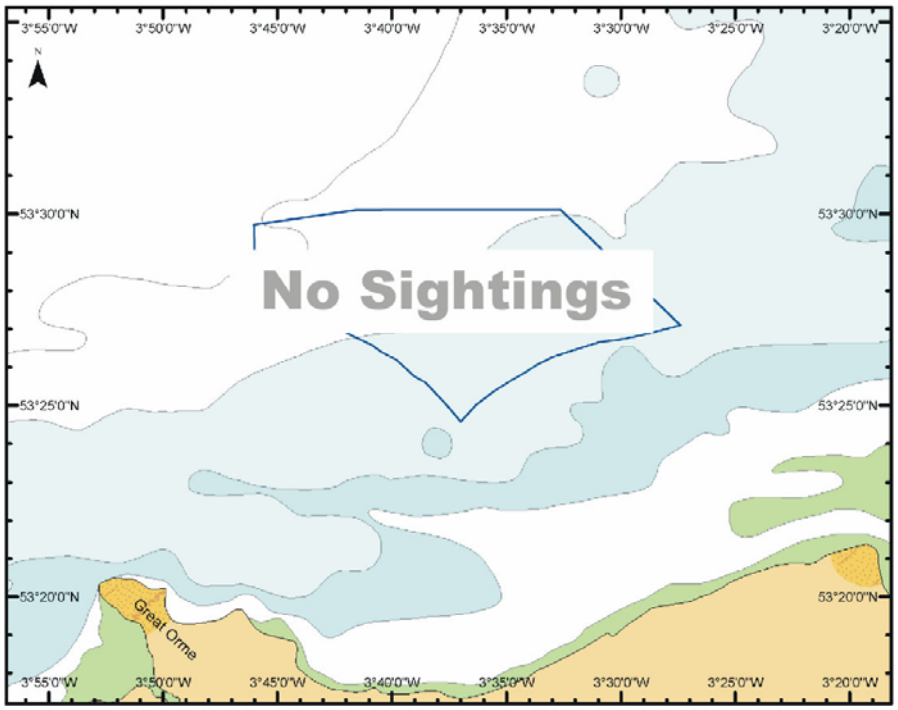
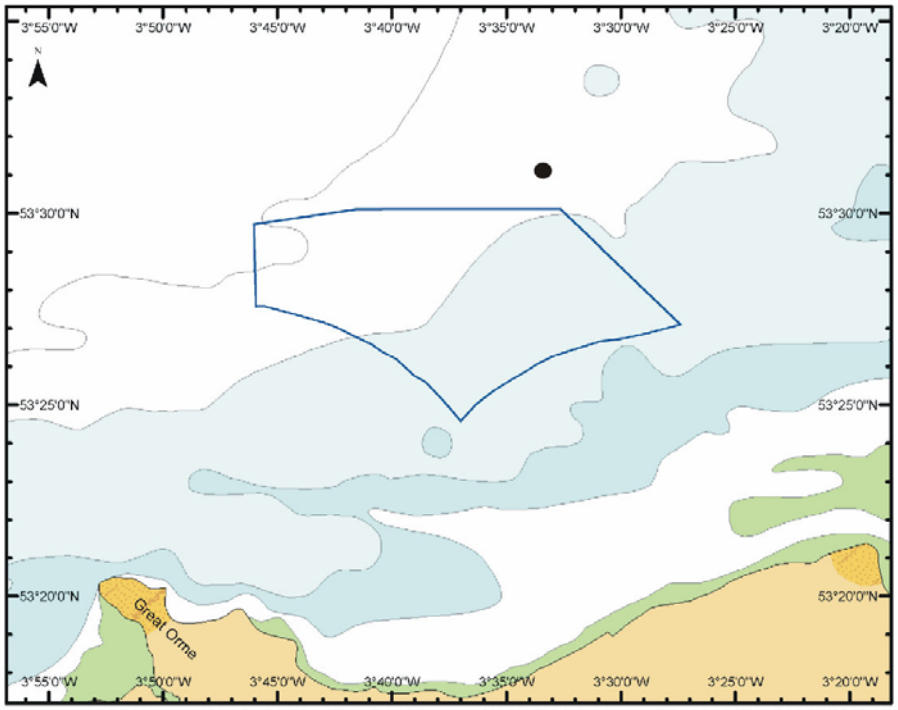


Harbour Porpoise - January 2004



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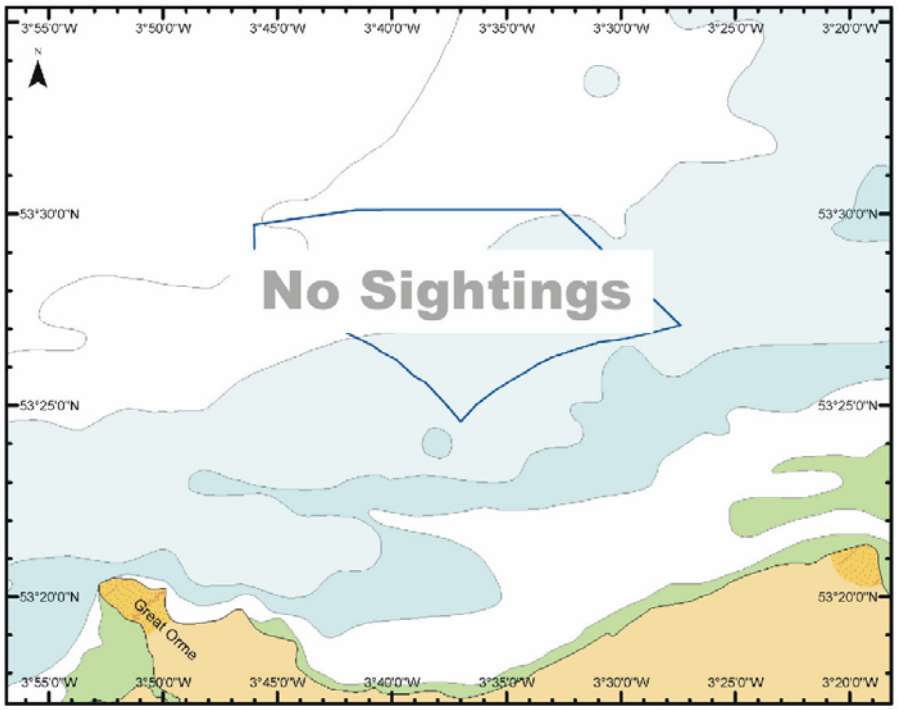
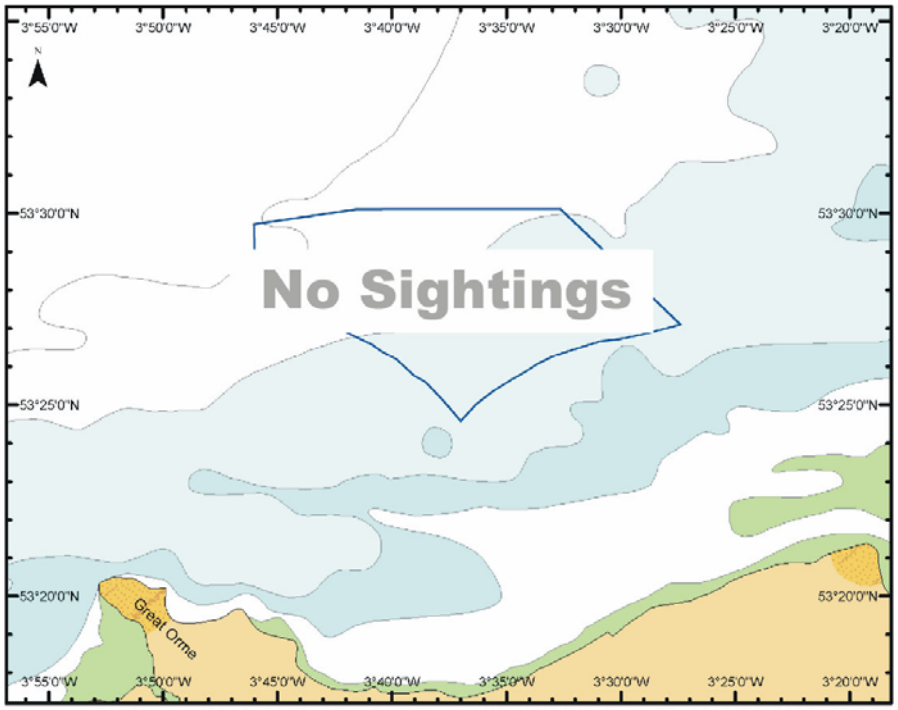


Harbour Porpoise - February 2004



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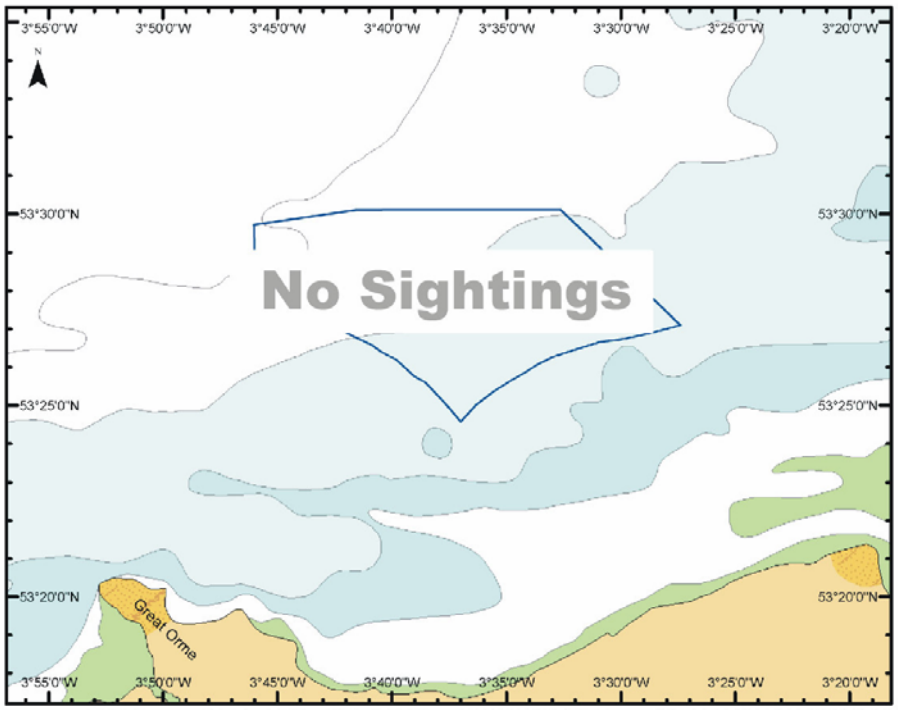
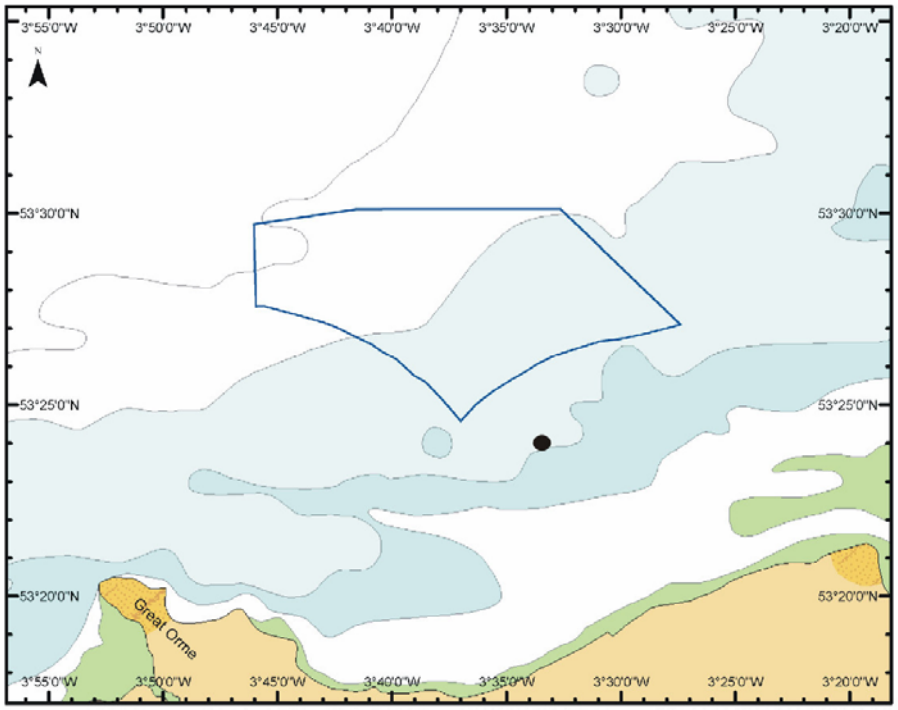


Harbour Porpoise - March 2004



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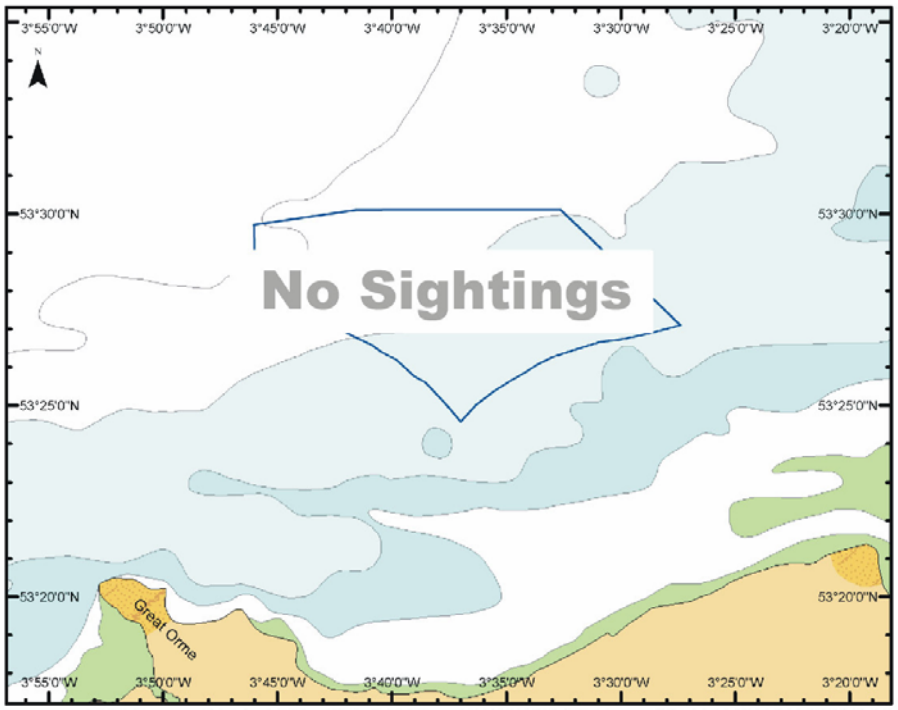
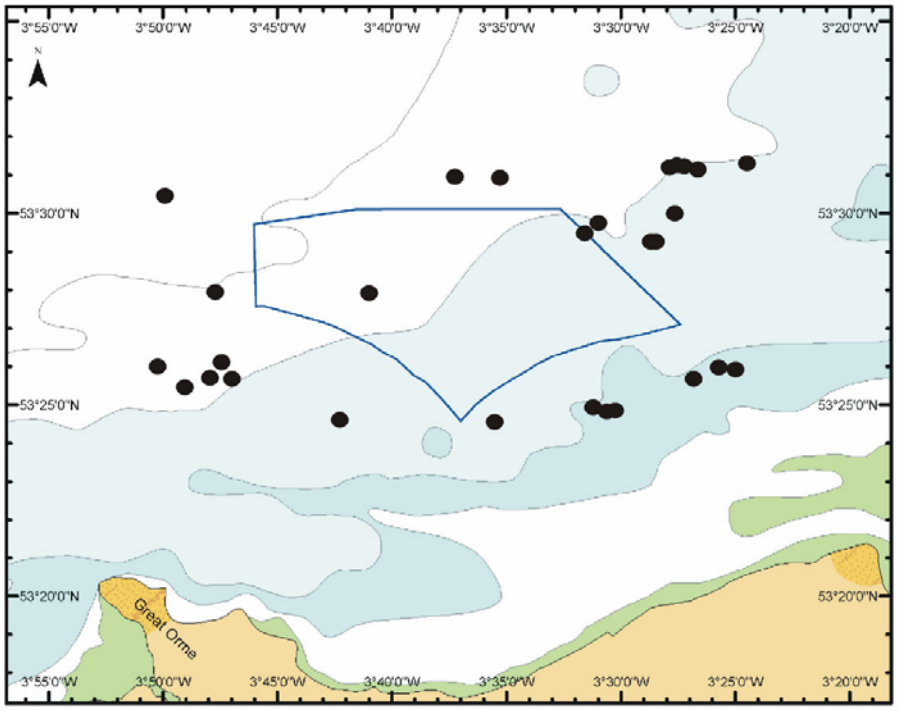


Harbour Porpoise - April 2004



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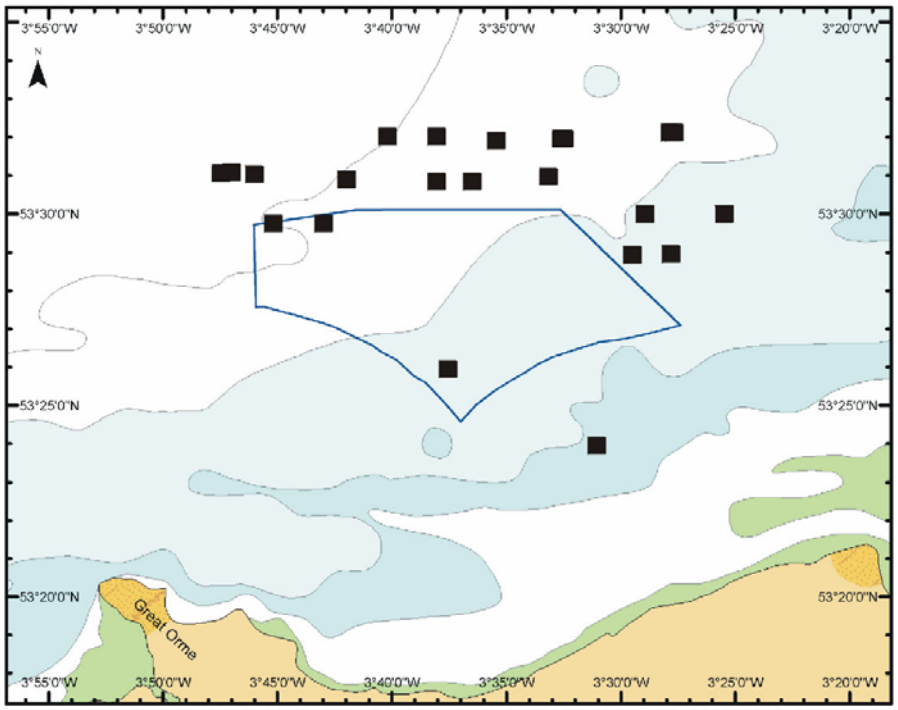

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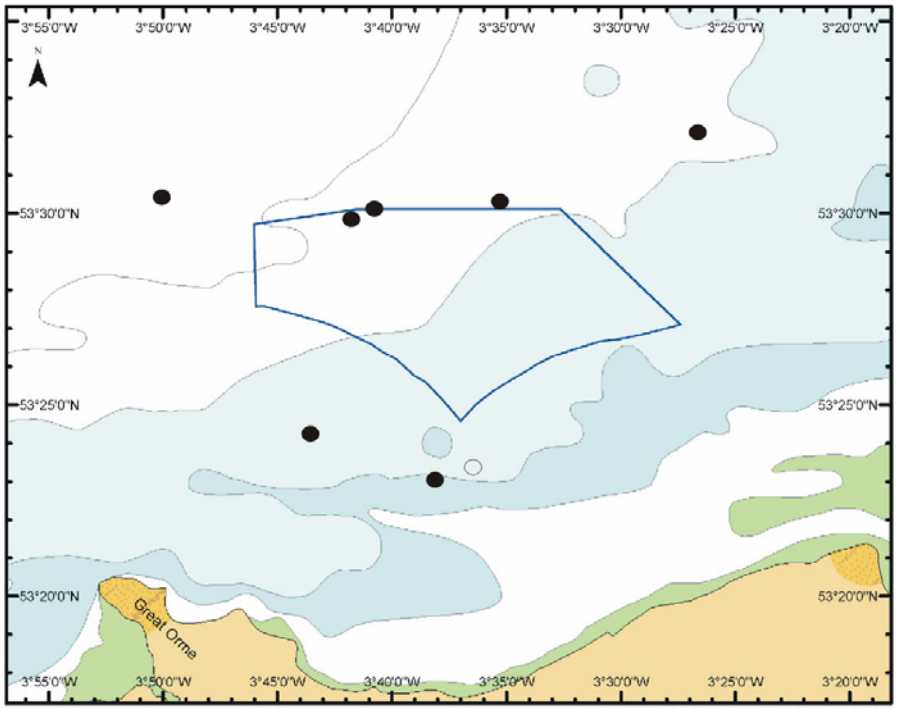

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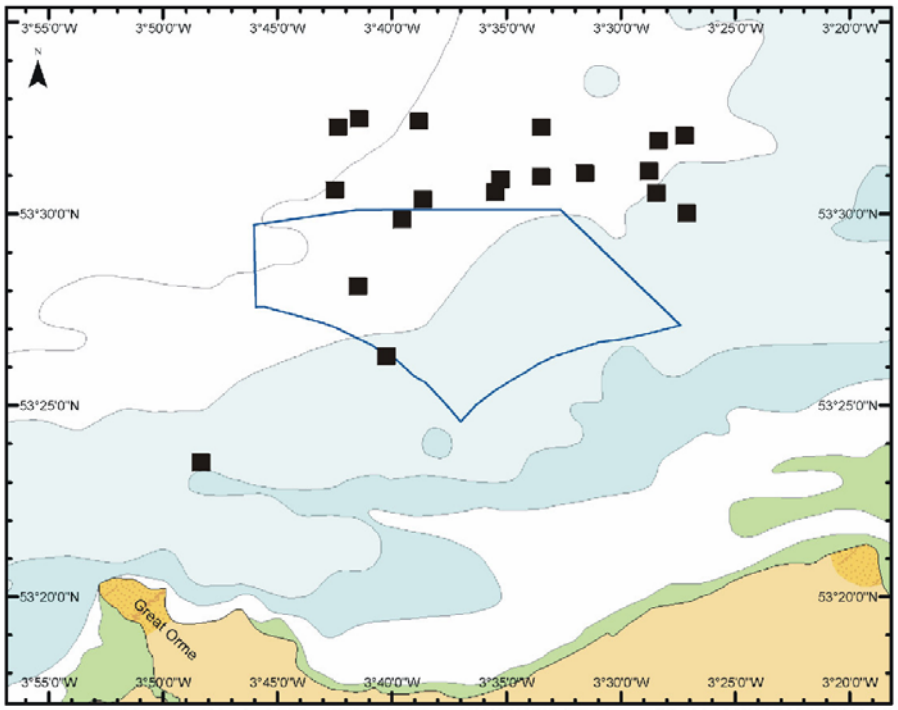
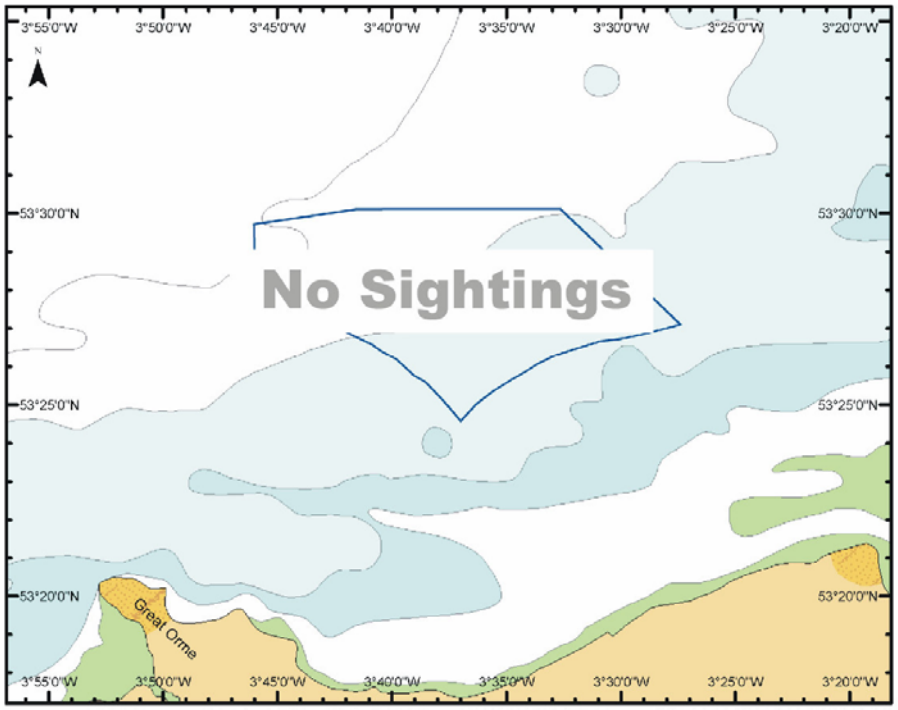


Harbour Porpoise - June 2004



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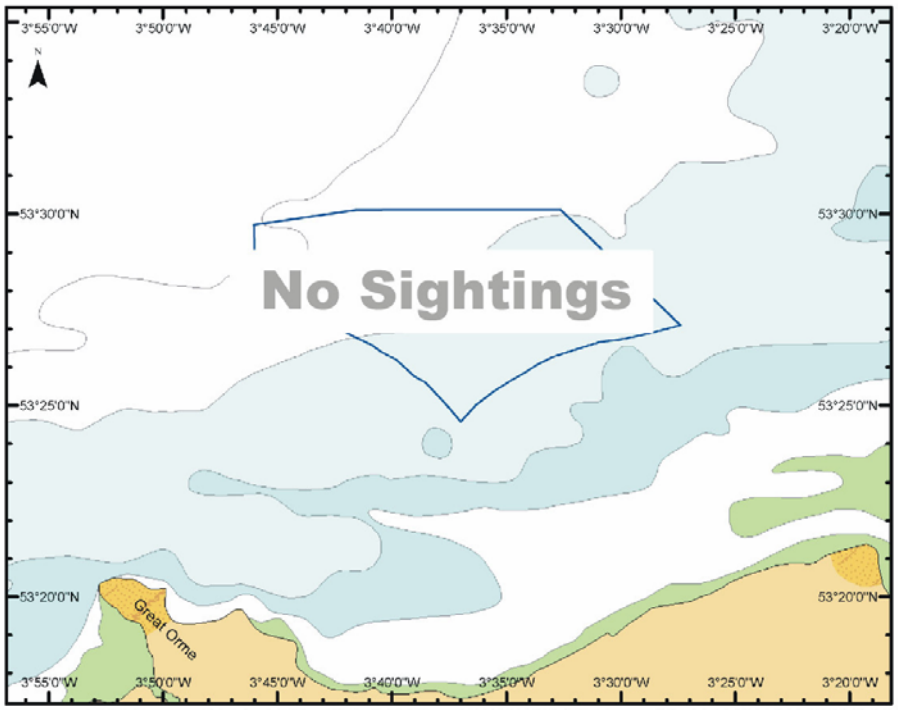
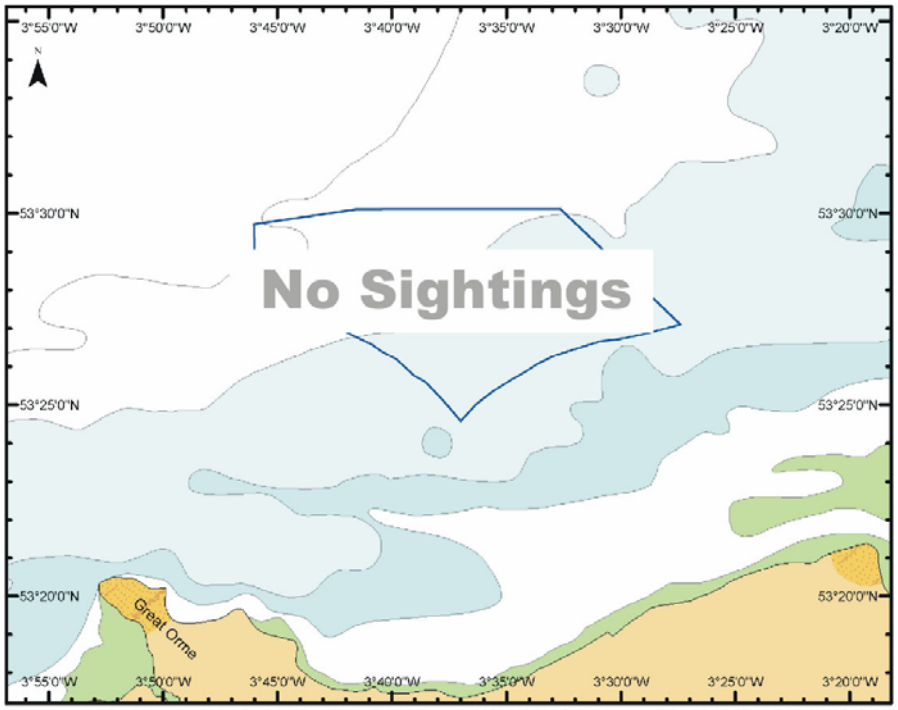


Harbour Porpoise - July 2004



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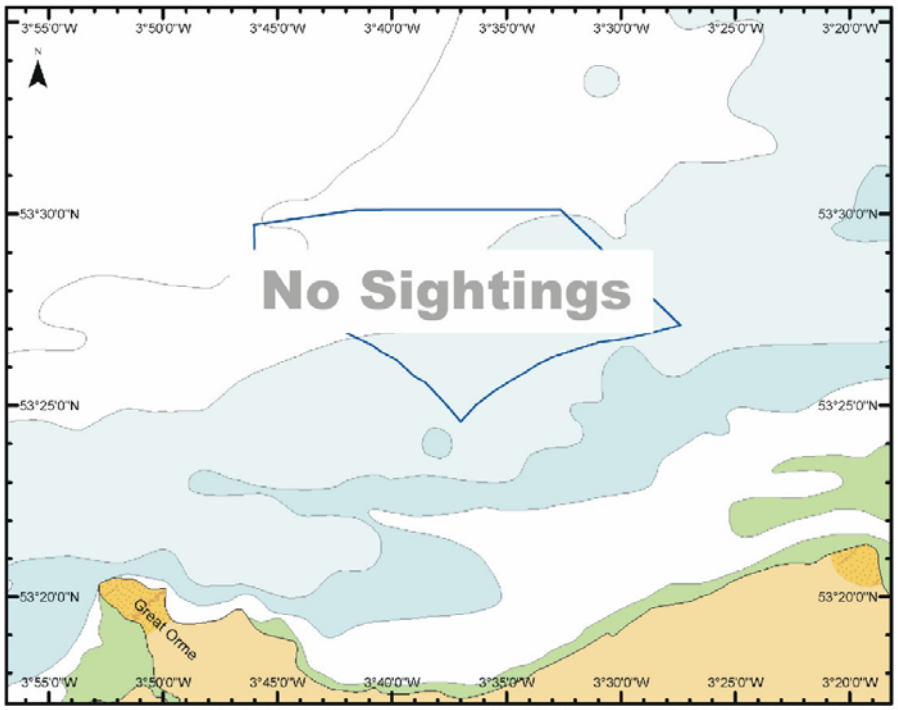
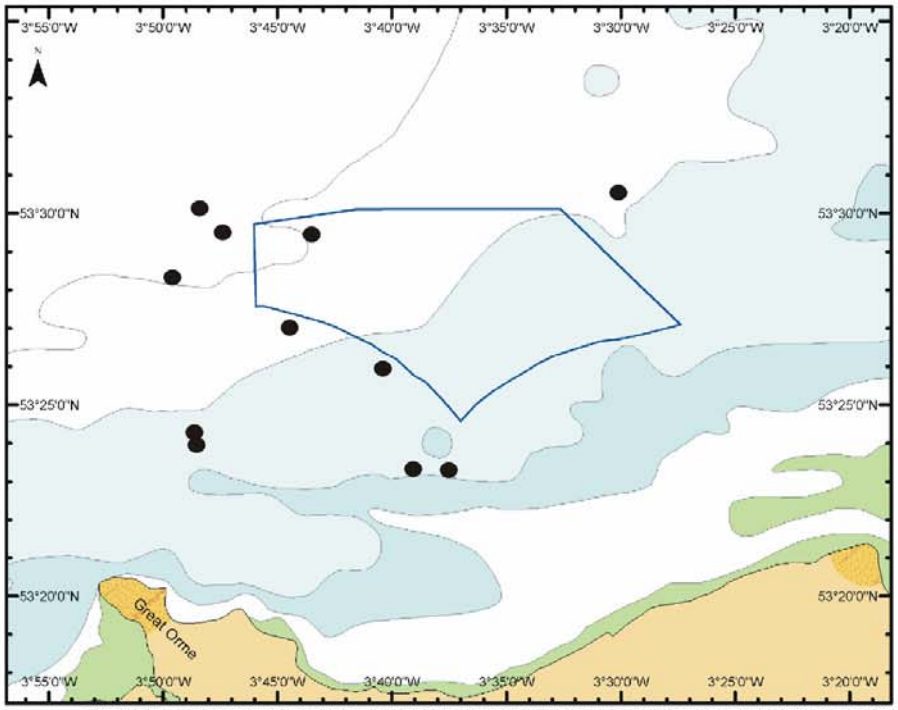


Harbour Porpoise - August 2004



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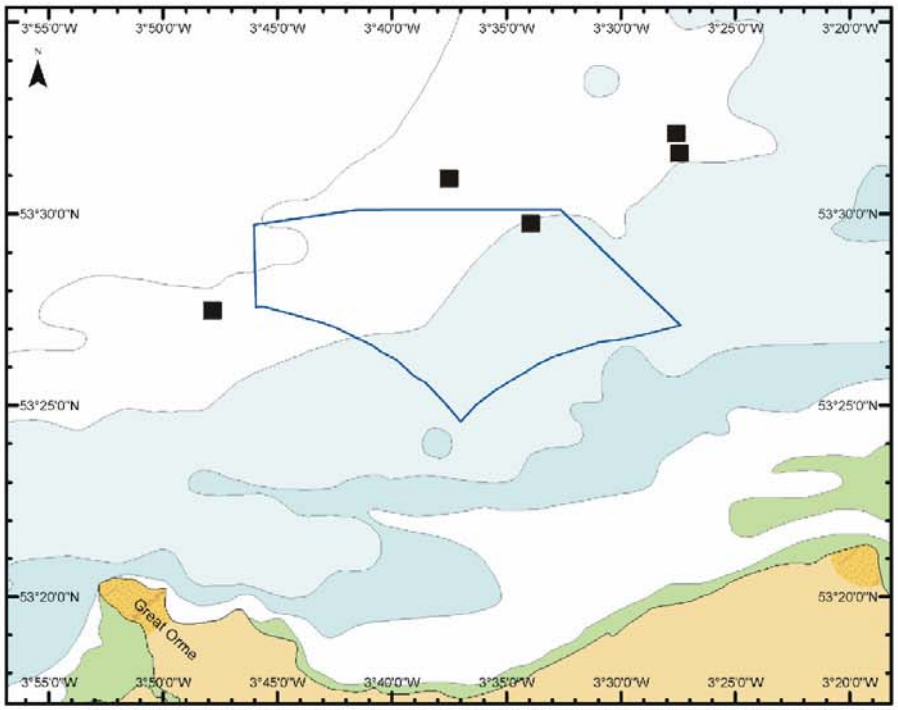

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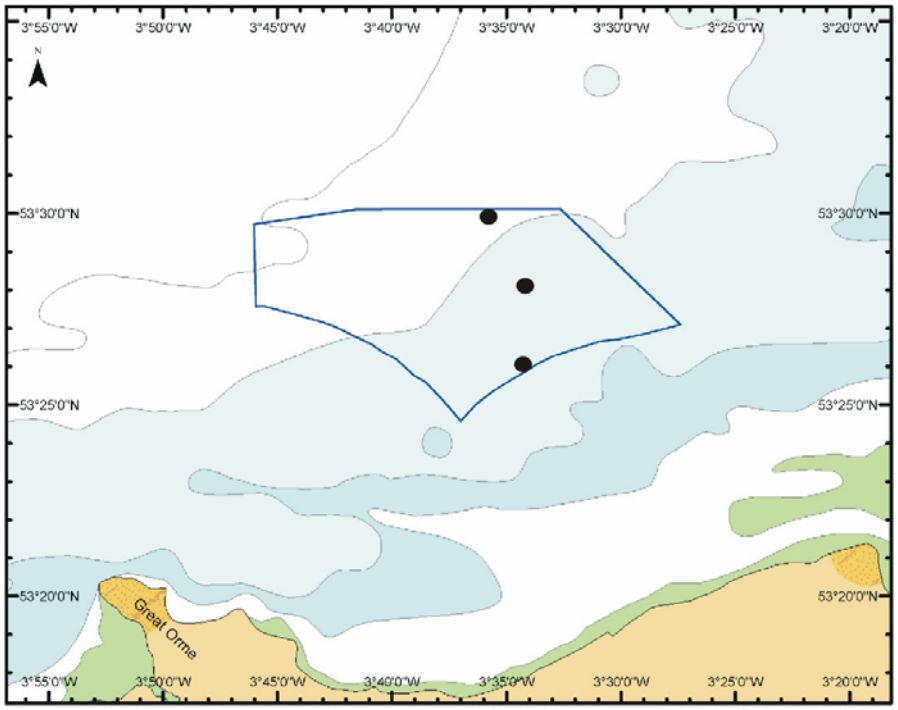

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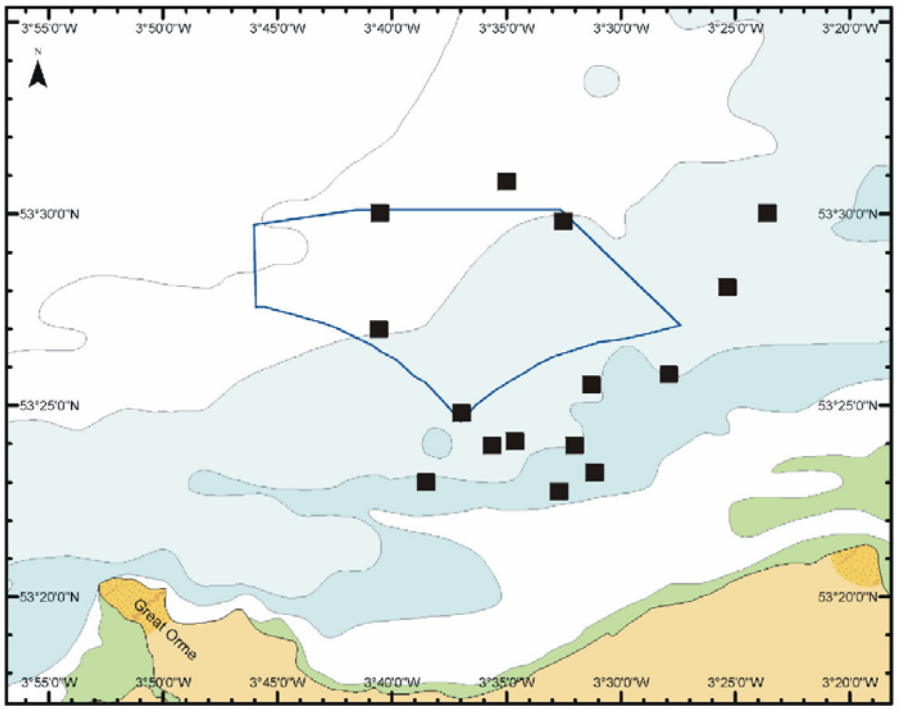

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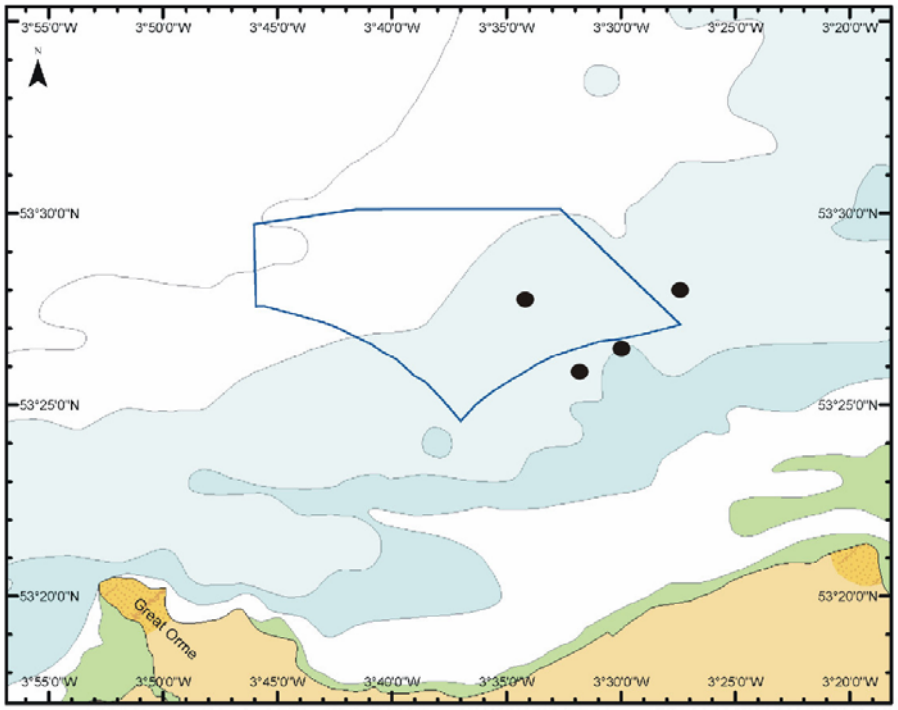

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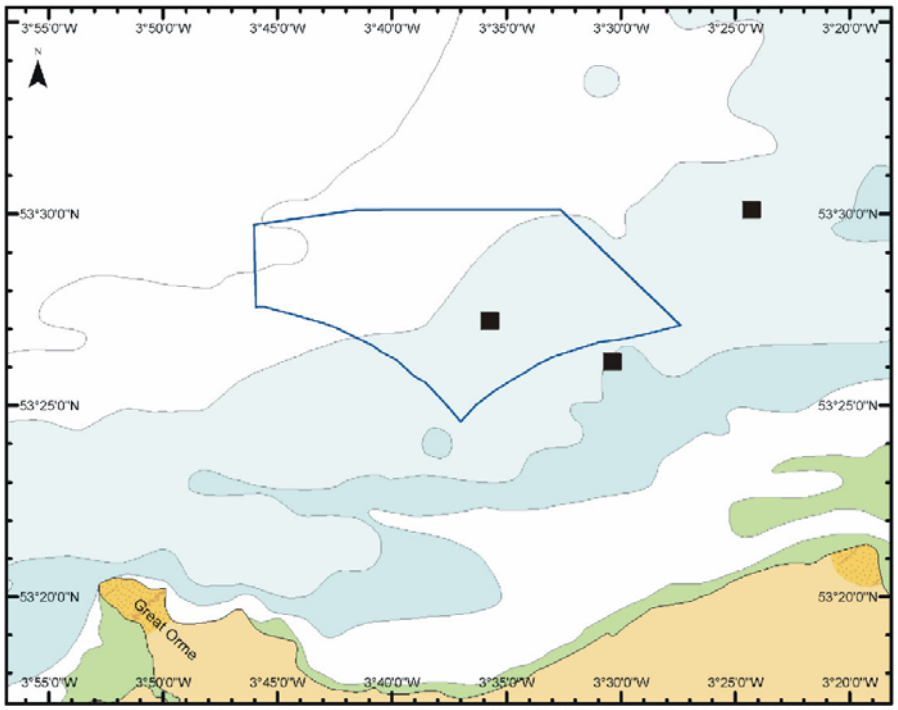

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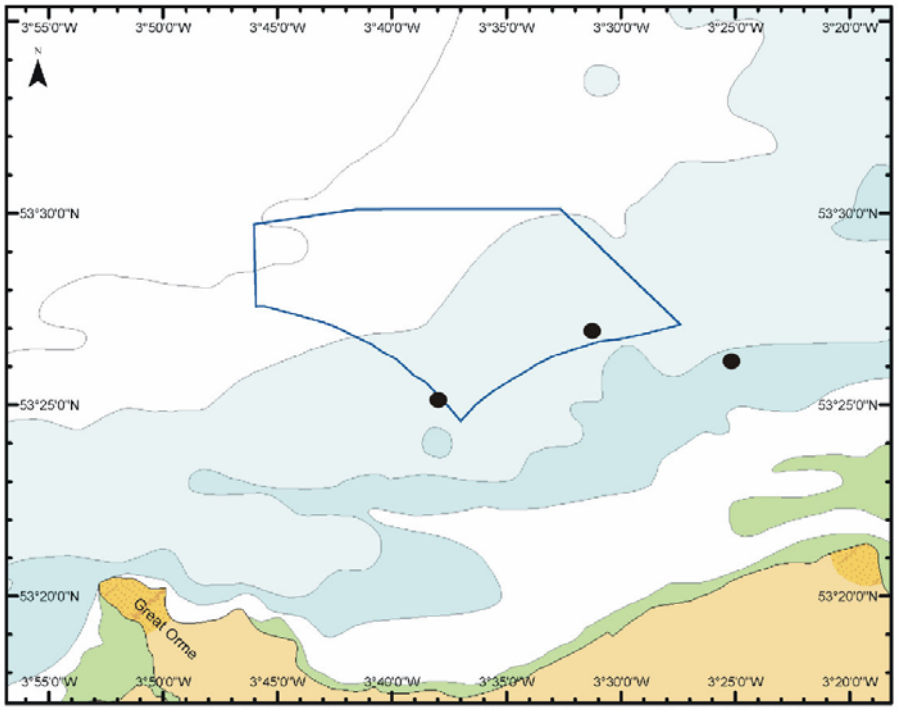

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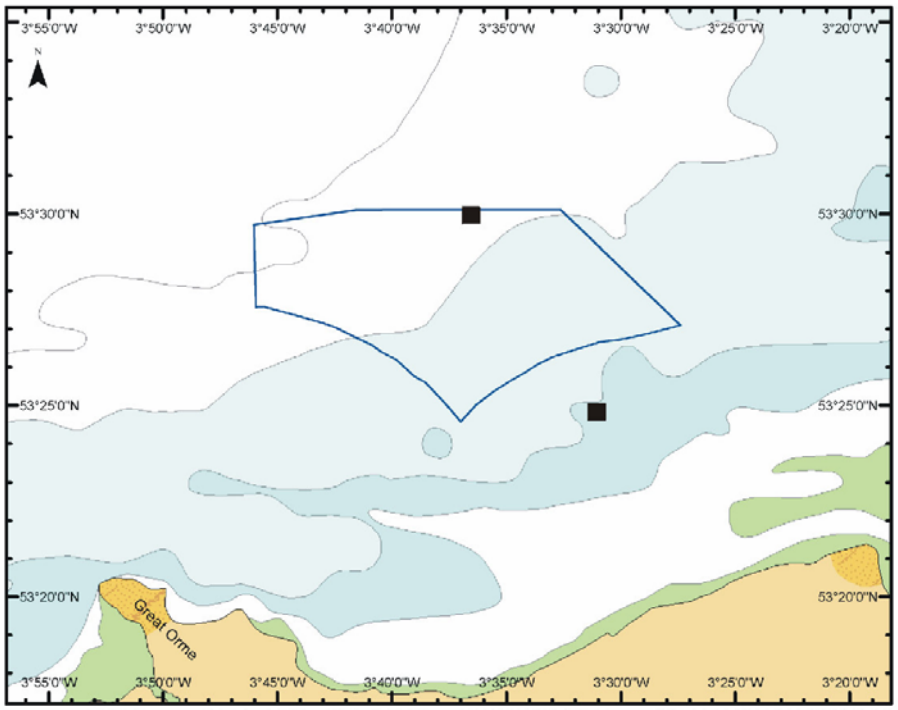
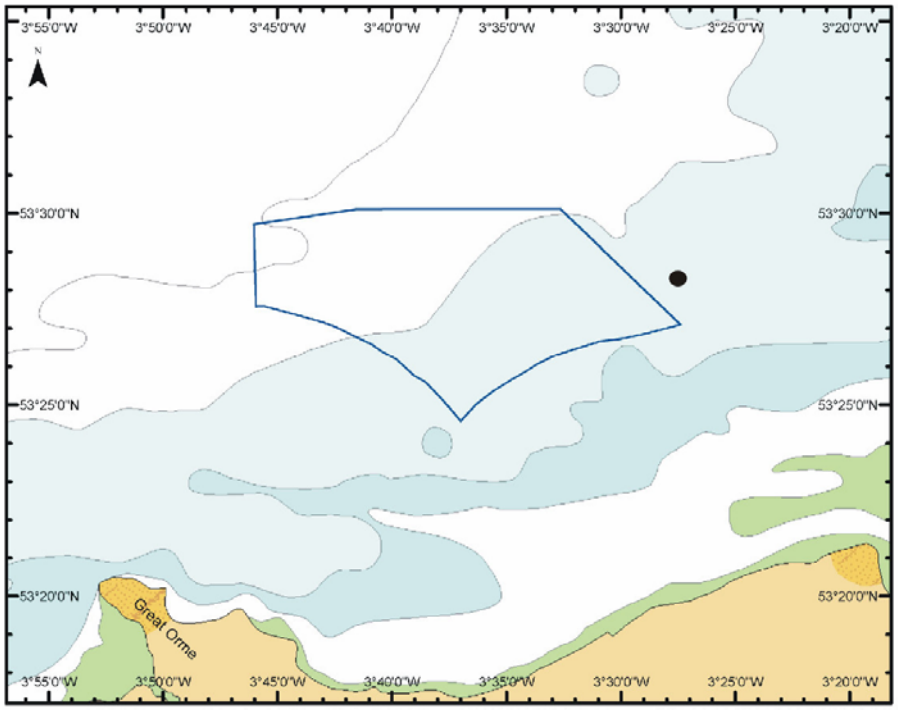
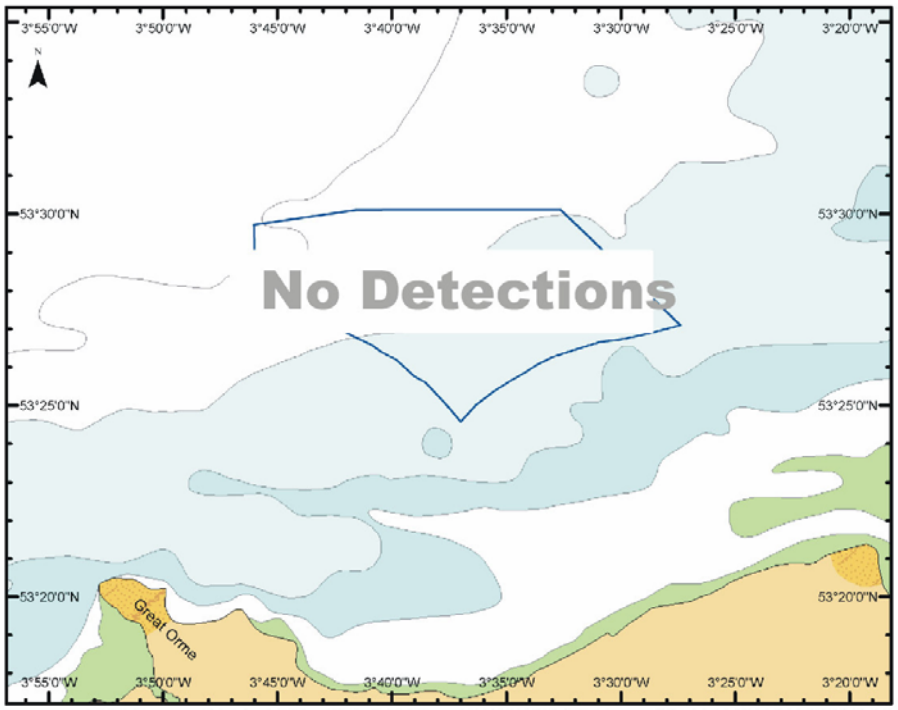


APPENDIX 3: Harbour Porpoise Sighting & Acoustic Detection Distribution Maps

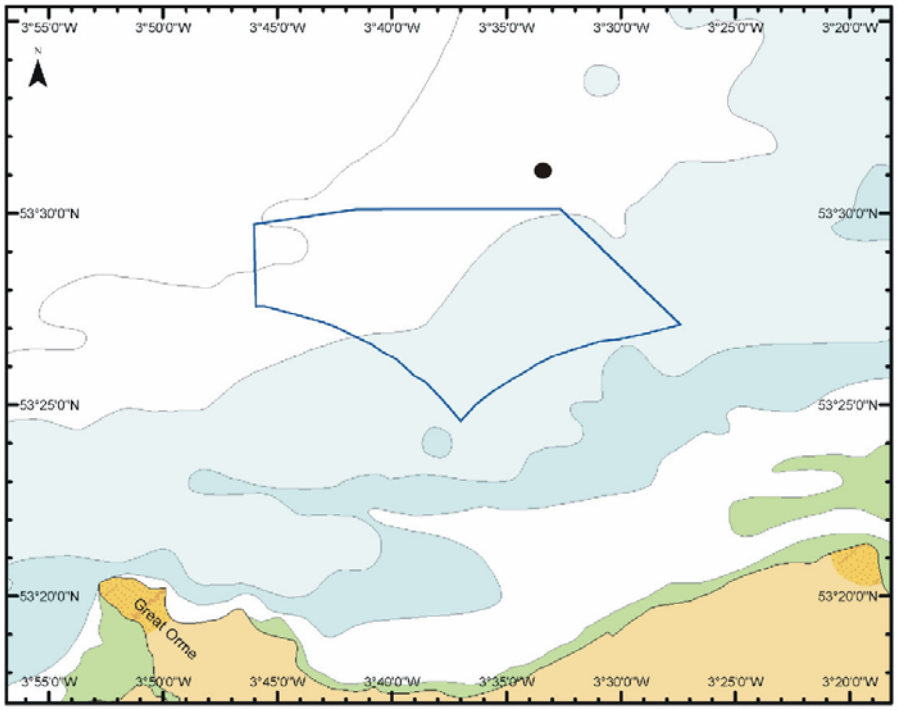
Porpoise Sightings - Dec 2003



Acoustic Detections - Dec 2003



Porpoise Sightings - Jan 2004



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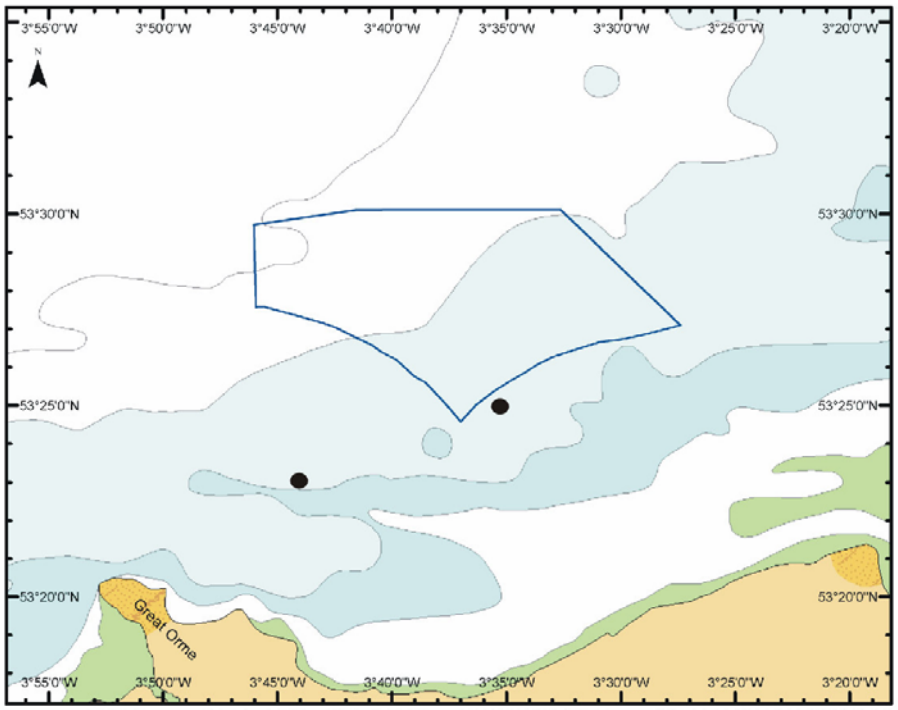

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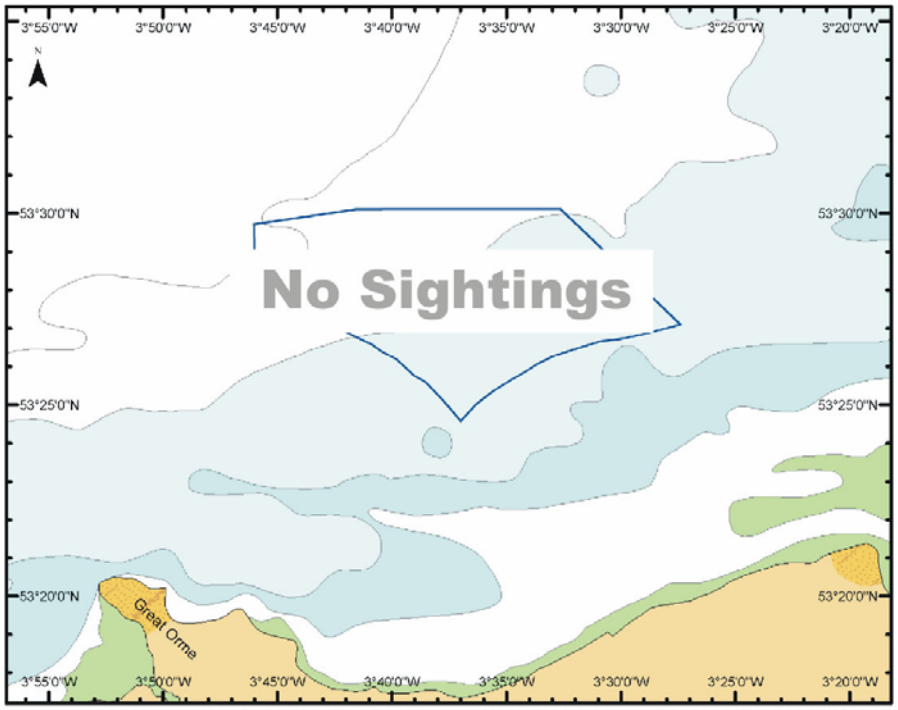

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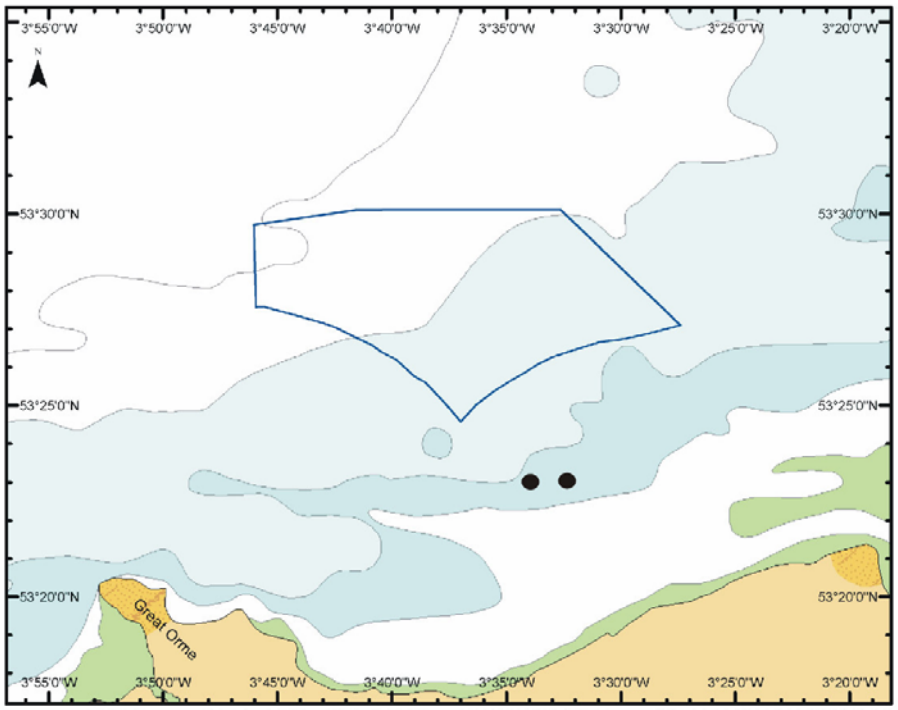

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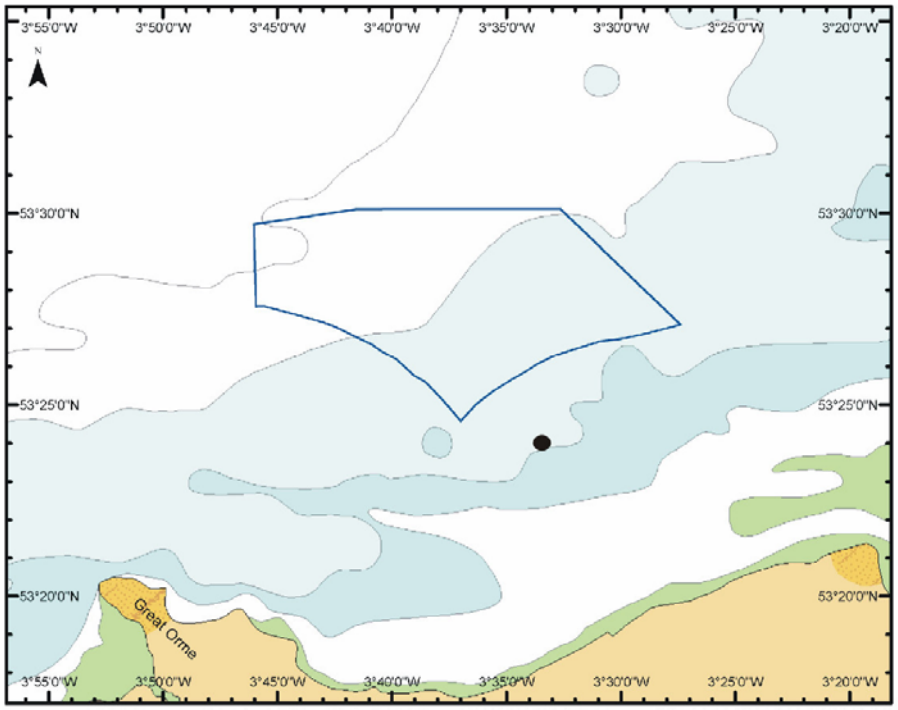

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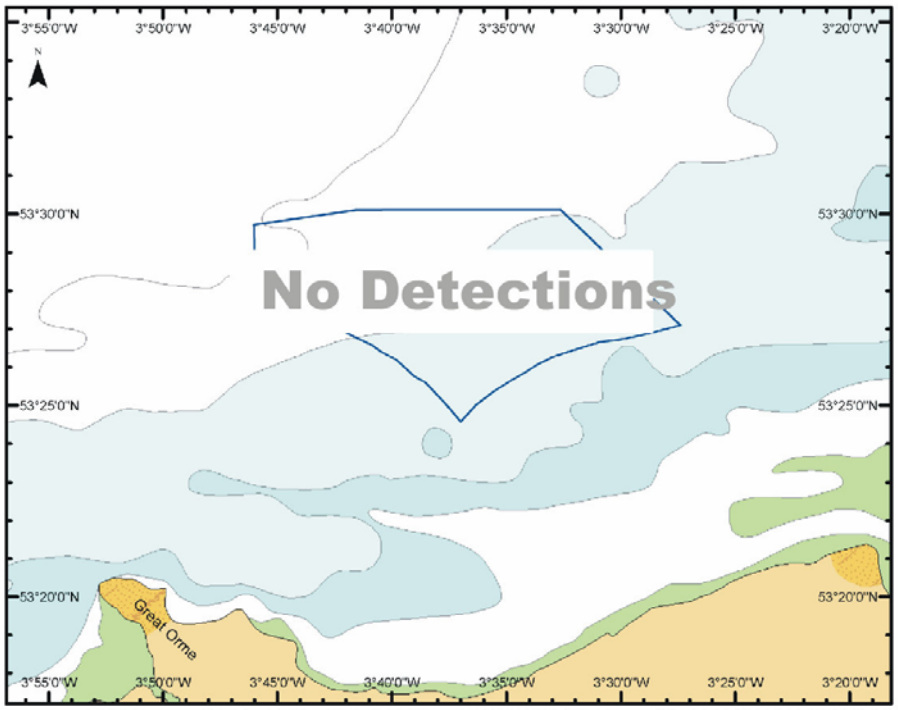
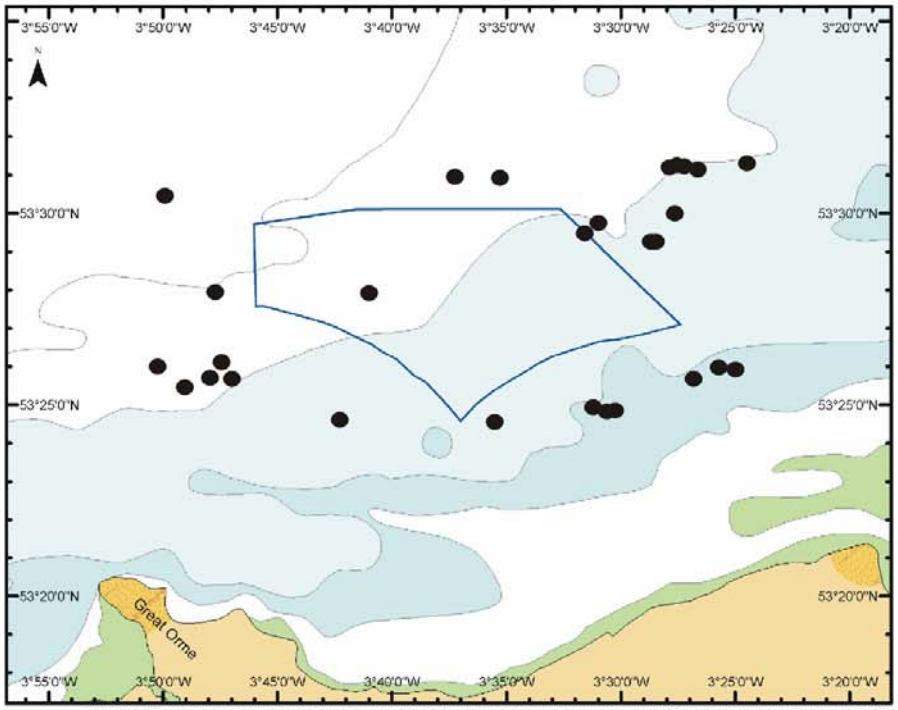


Porpoise Sightings - April 2004



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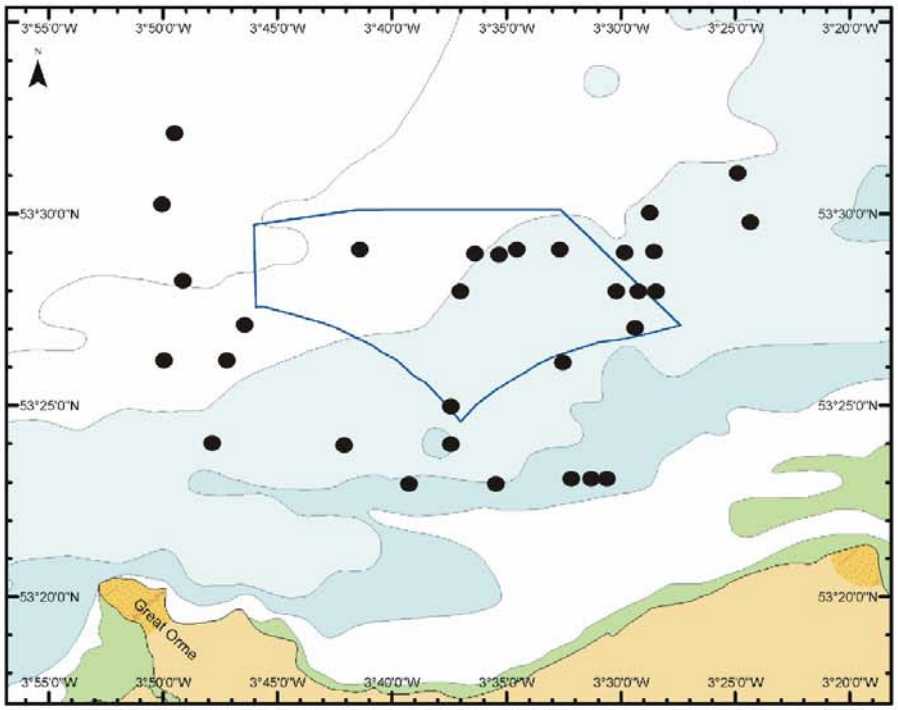

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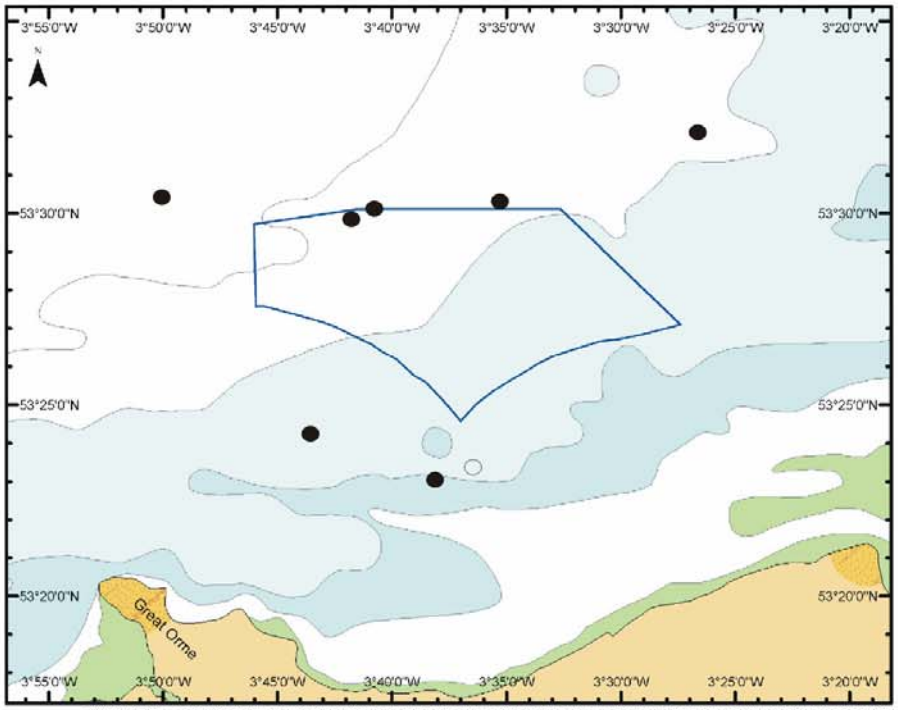

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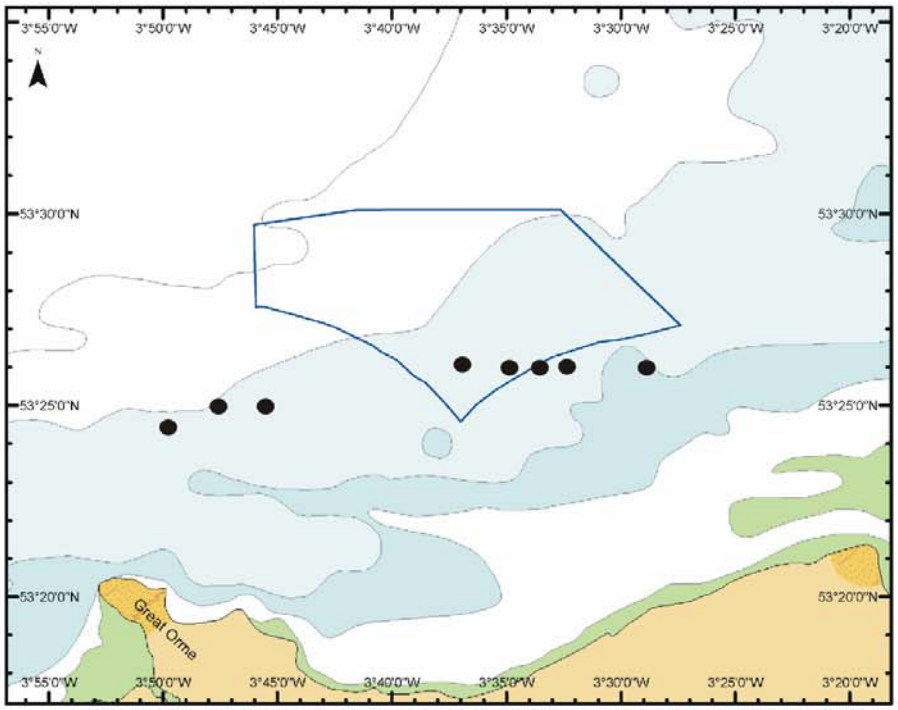
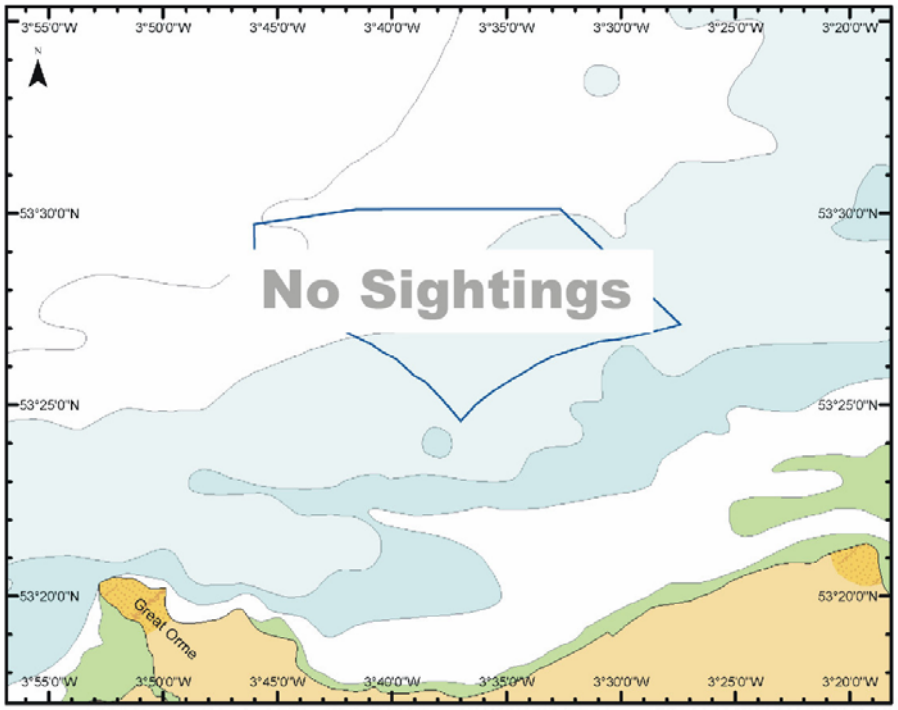


Porpoise Sightings - June 2004



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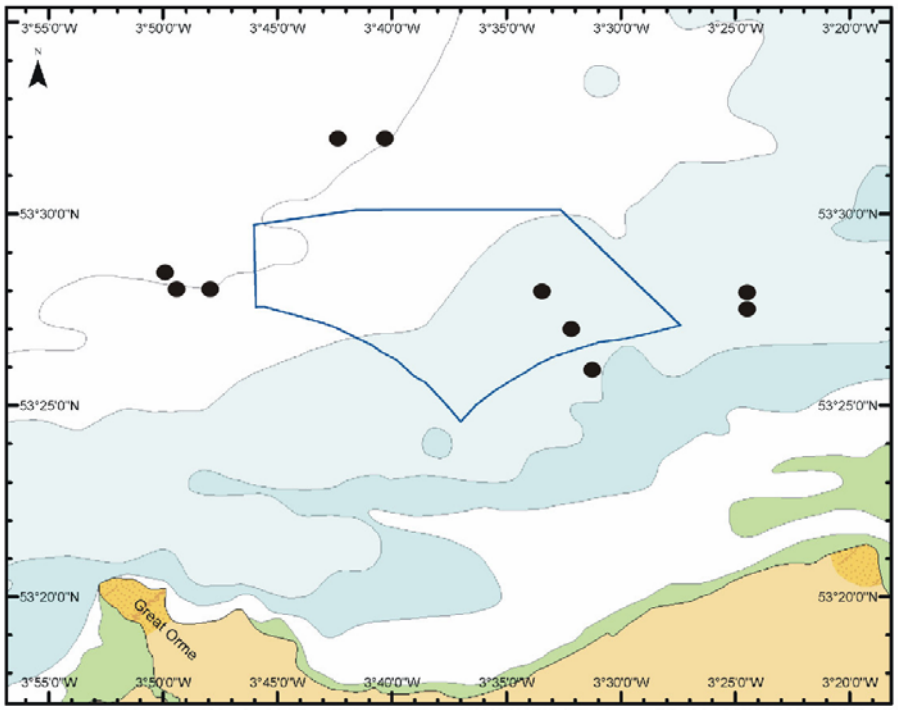

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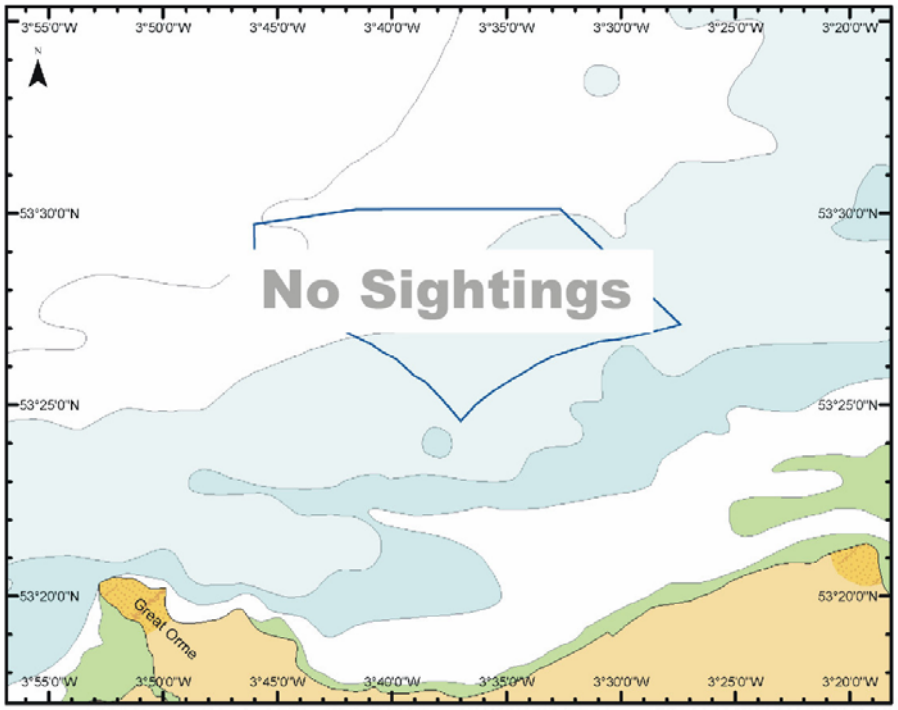

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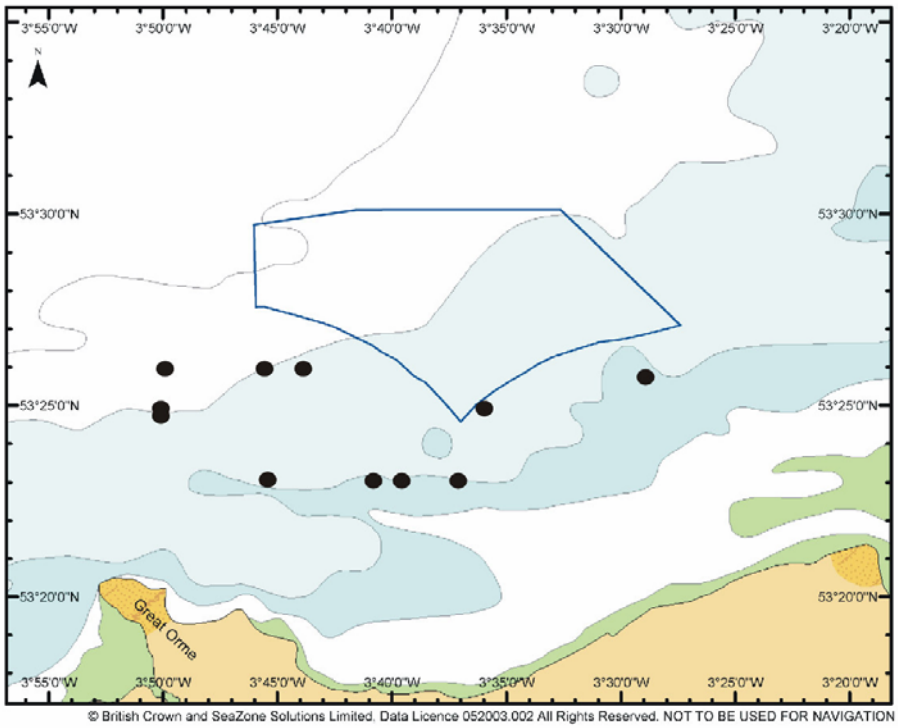

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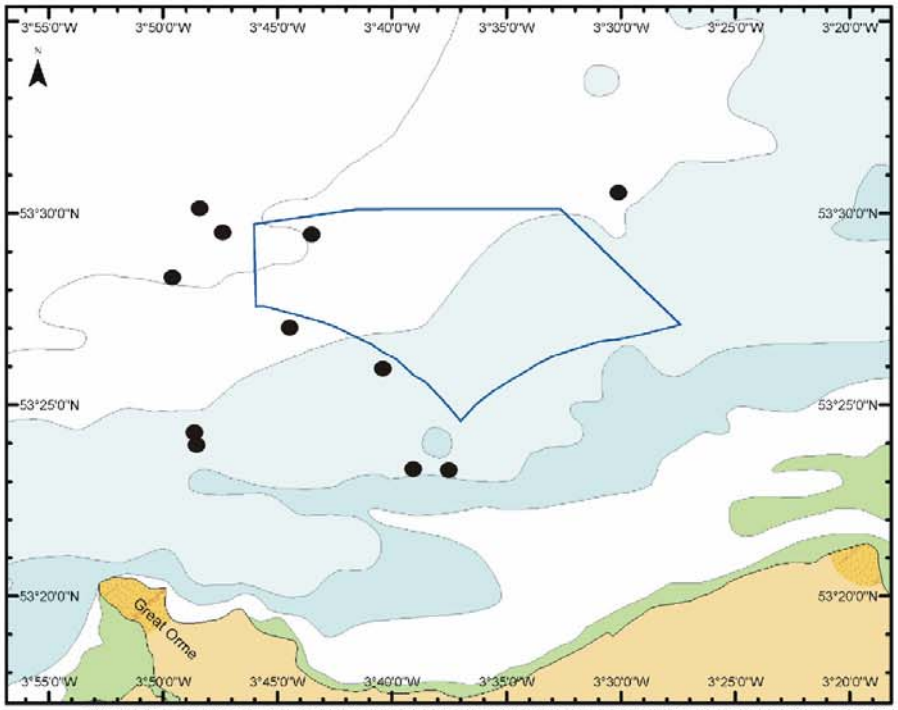

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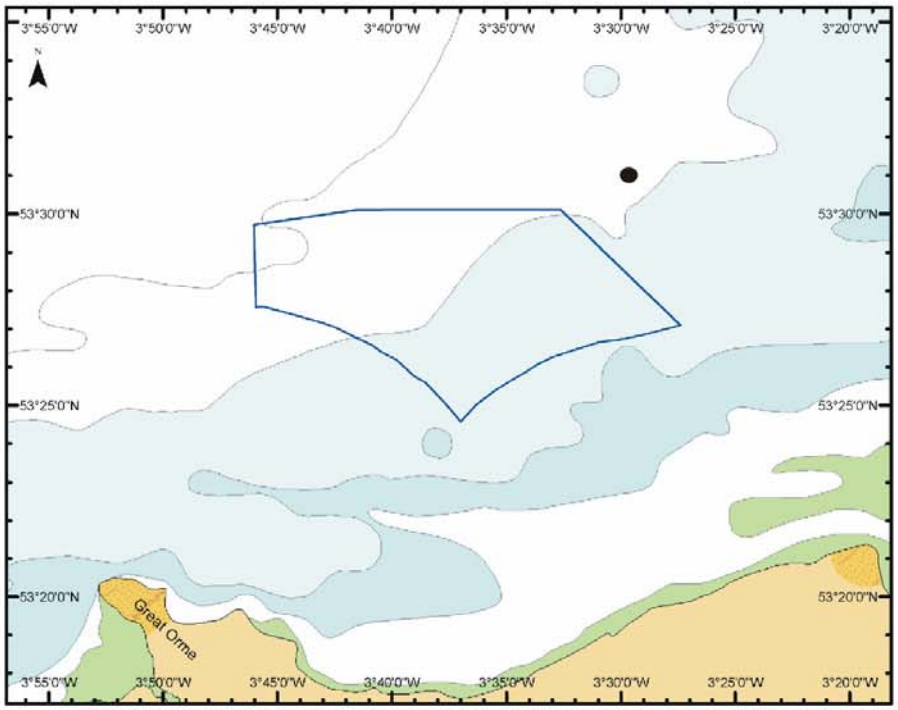

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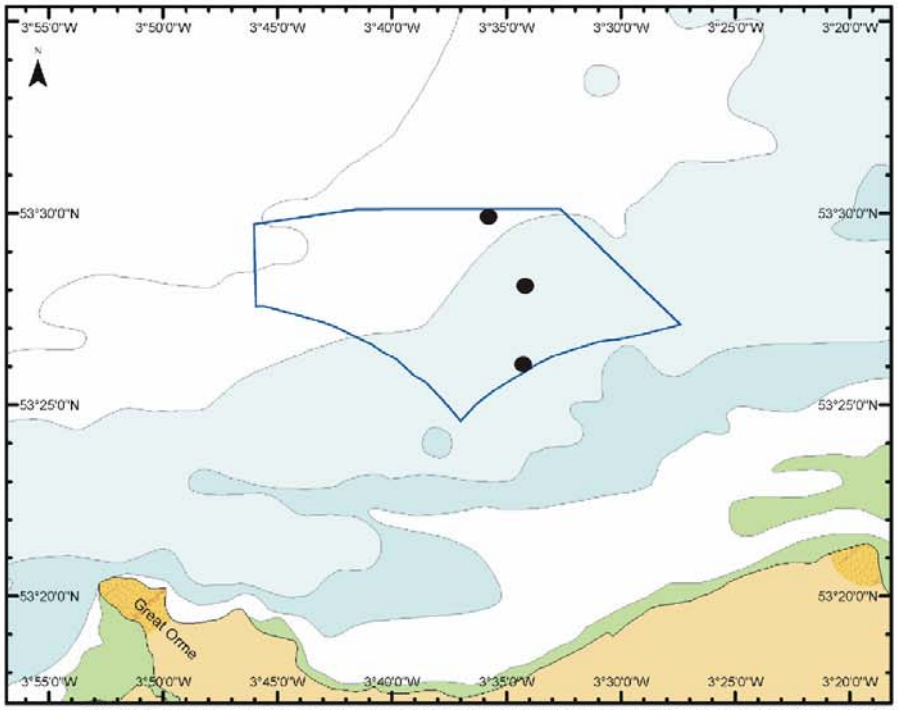

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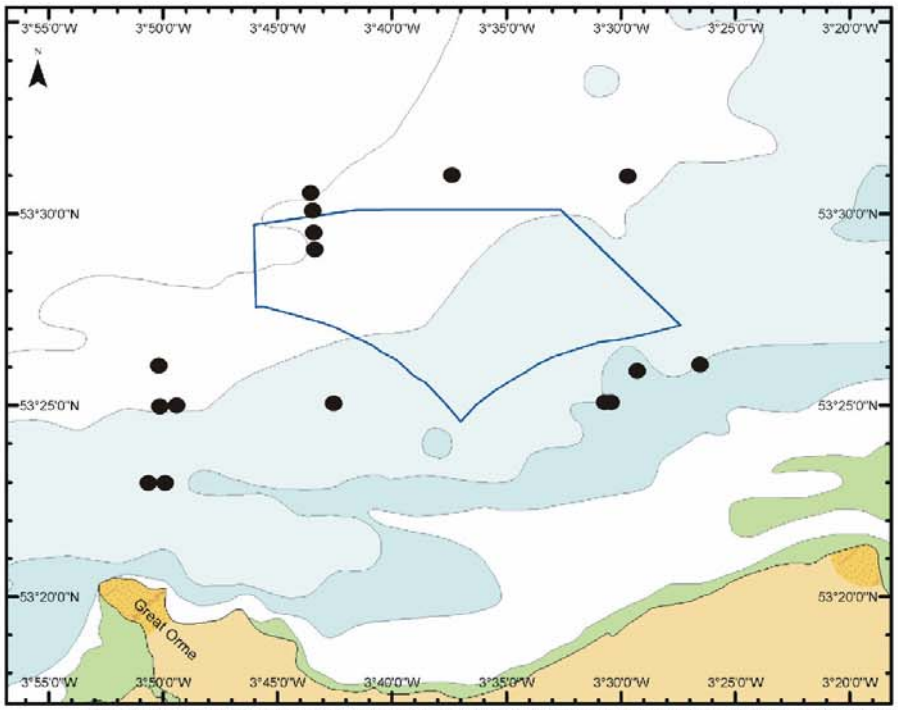

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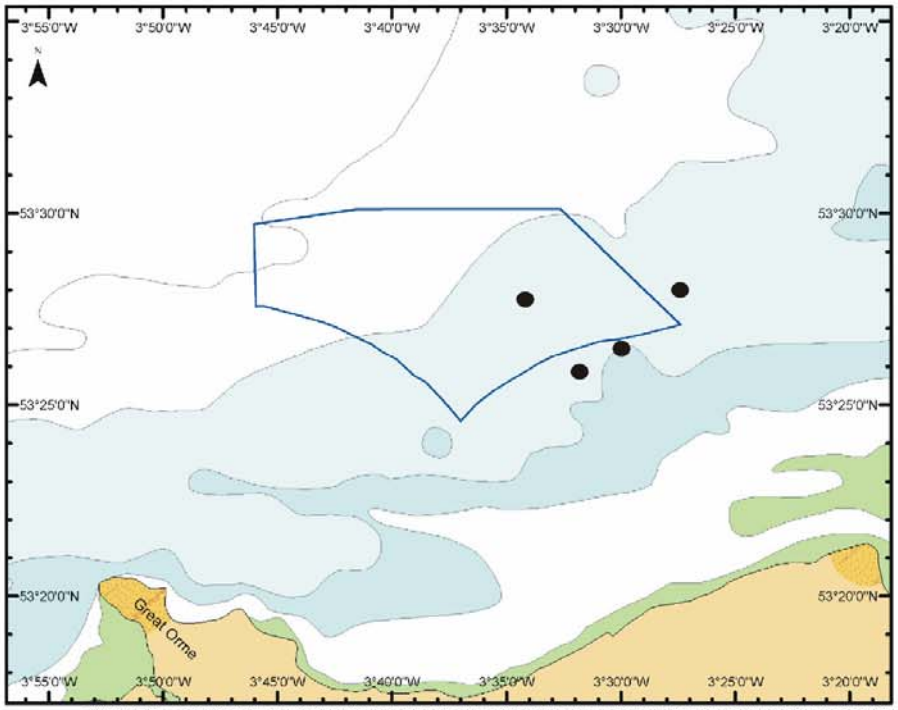

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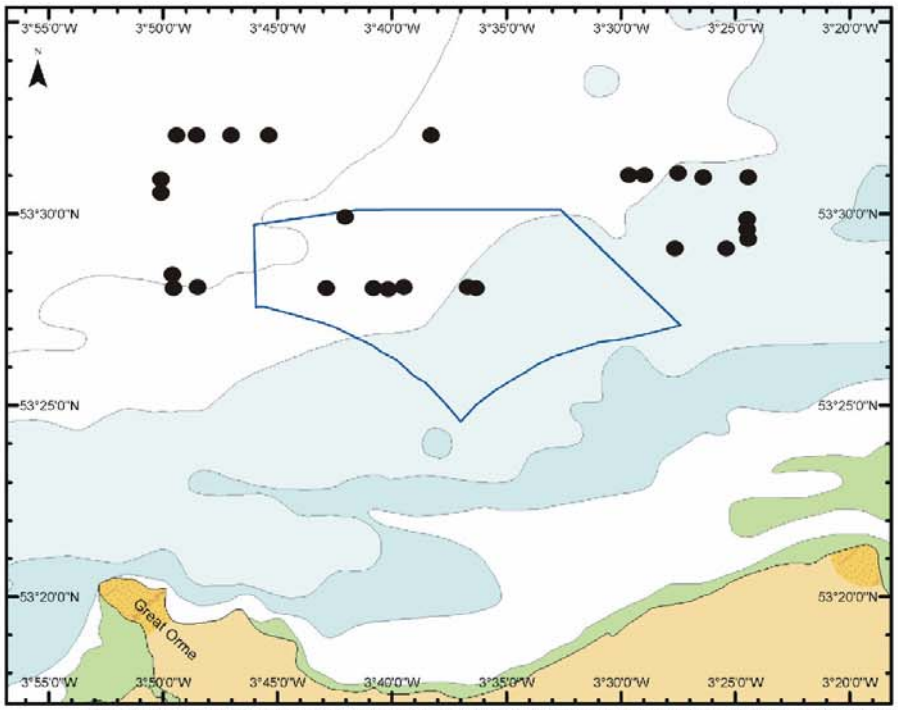

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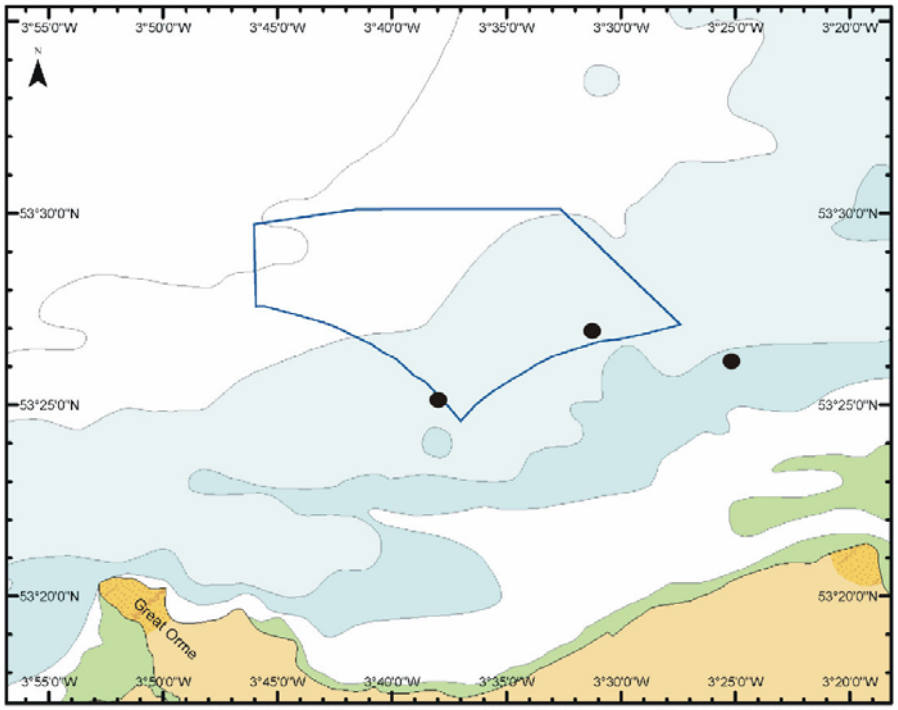

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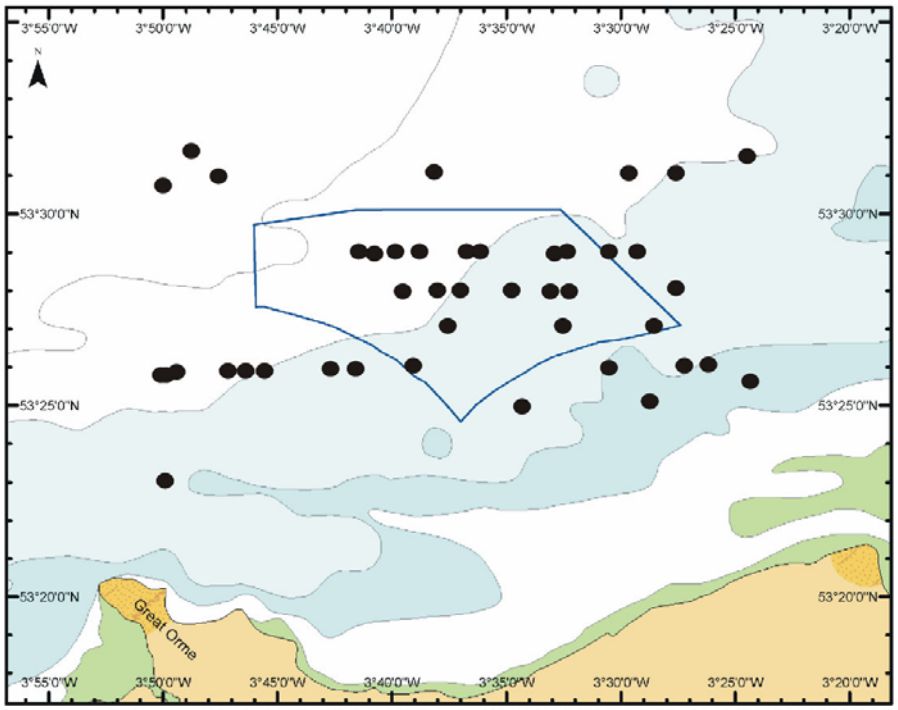
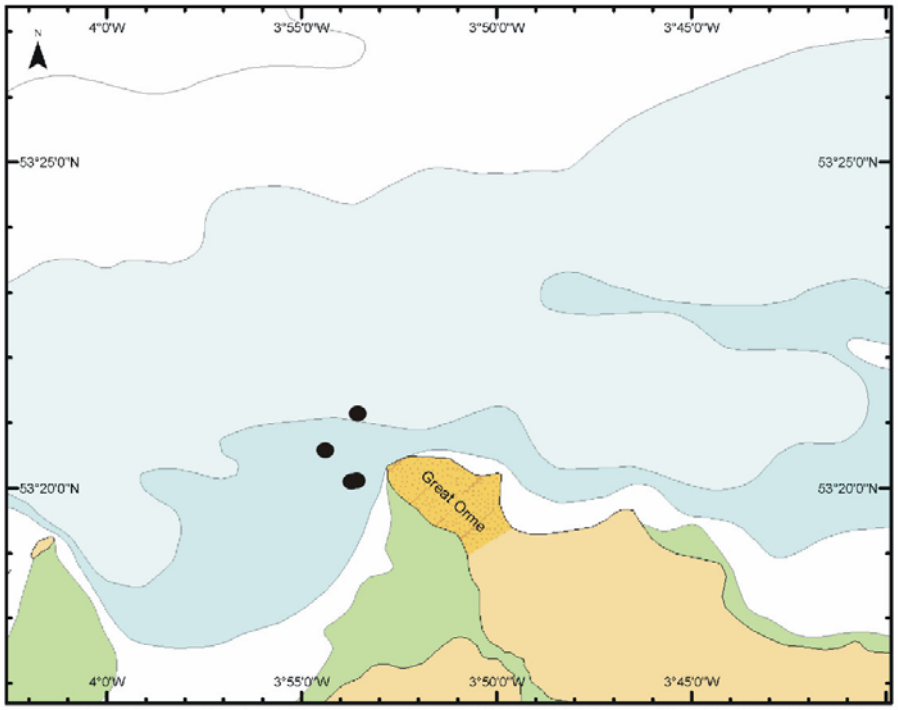
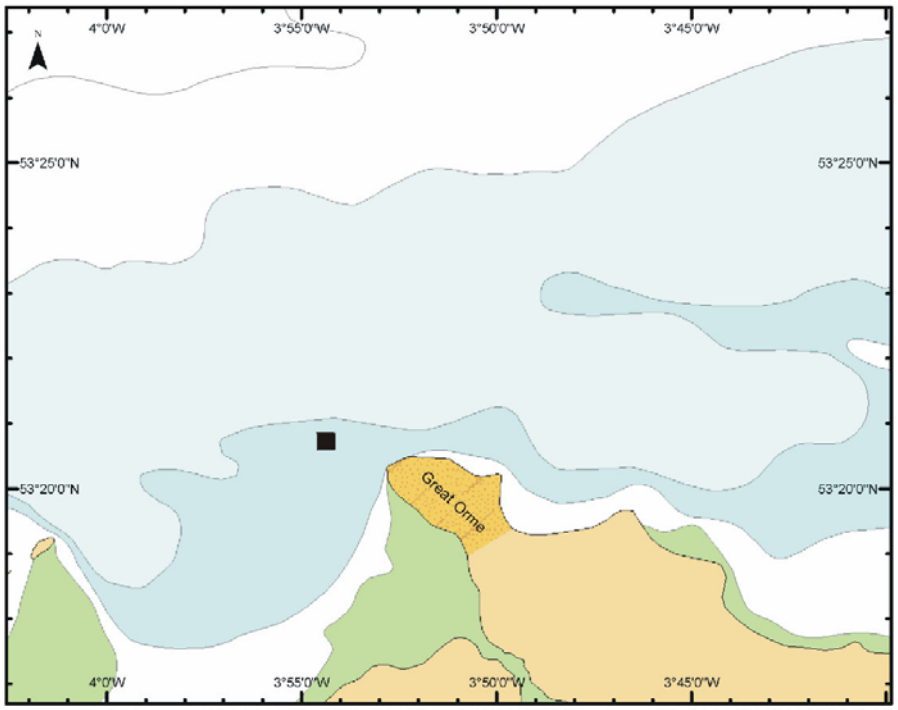


APPENDIX 4: Harbour Porpoise & Grey Seal Headland Sighting Distribution Maps

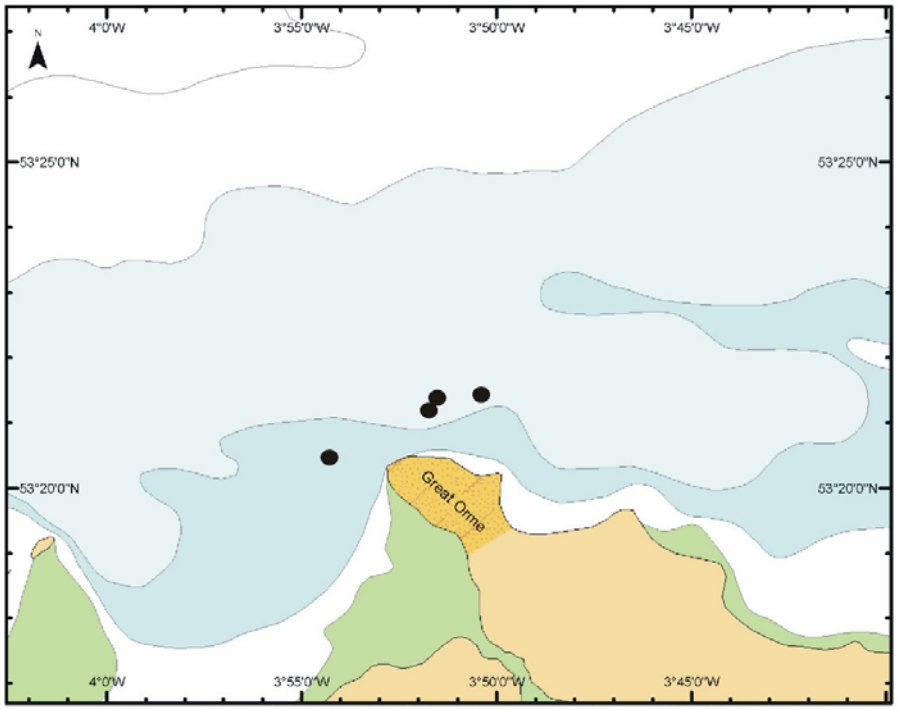
Harbour Porpoise - March 2004



Grey Seals - March 2004



Harbour Porpoise - April 2004



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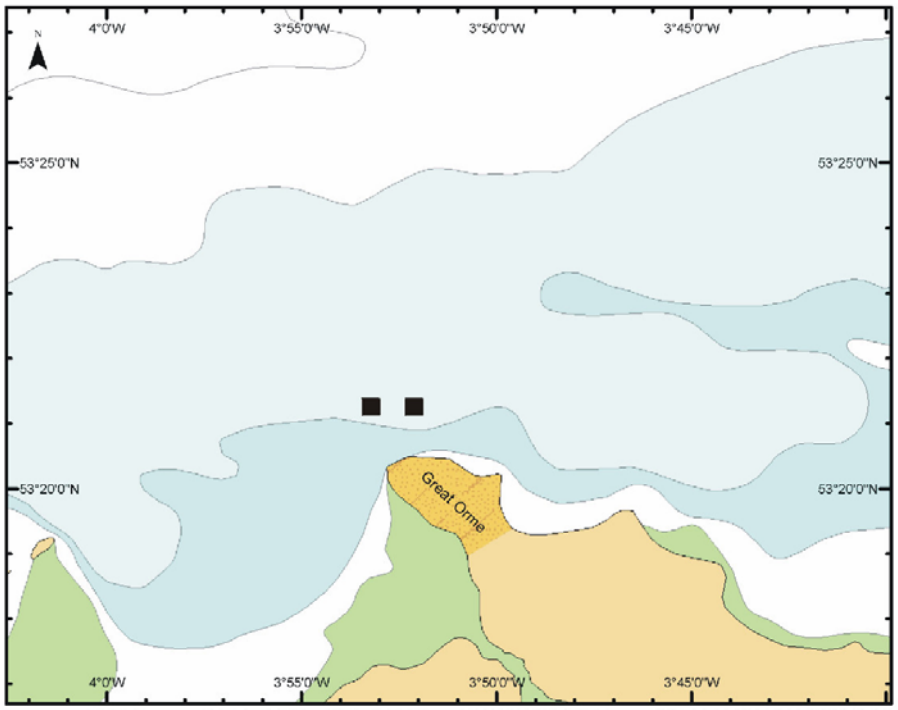
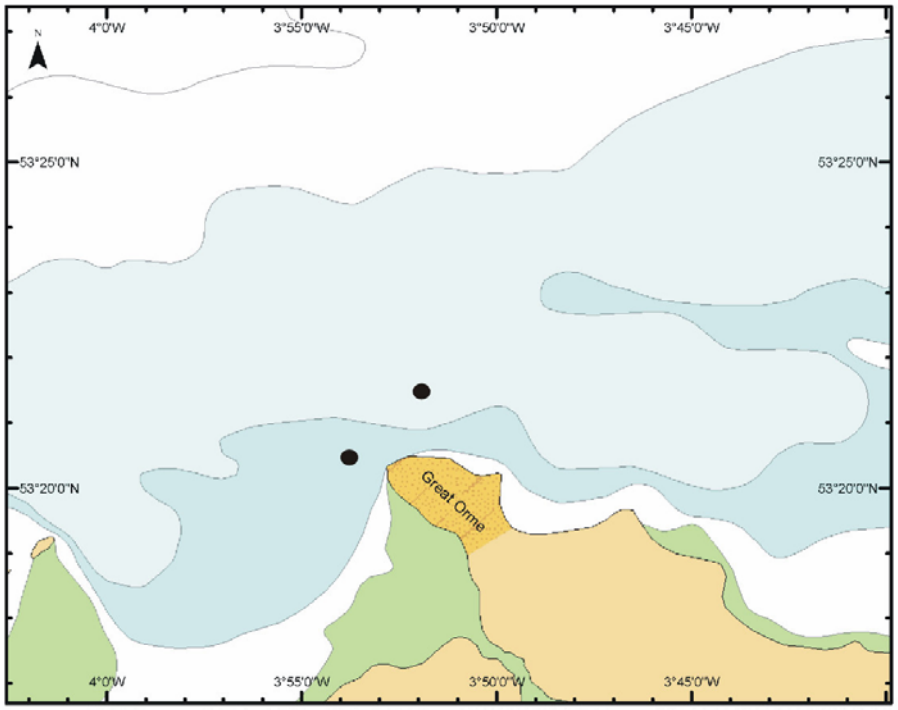


Harbour Porpoise - May 2004



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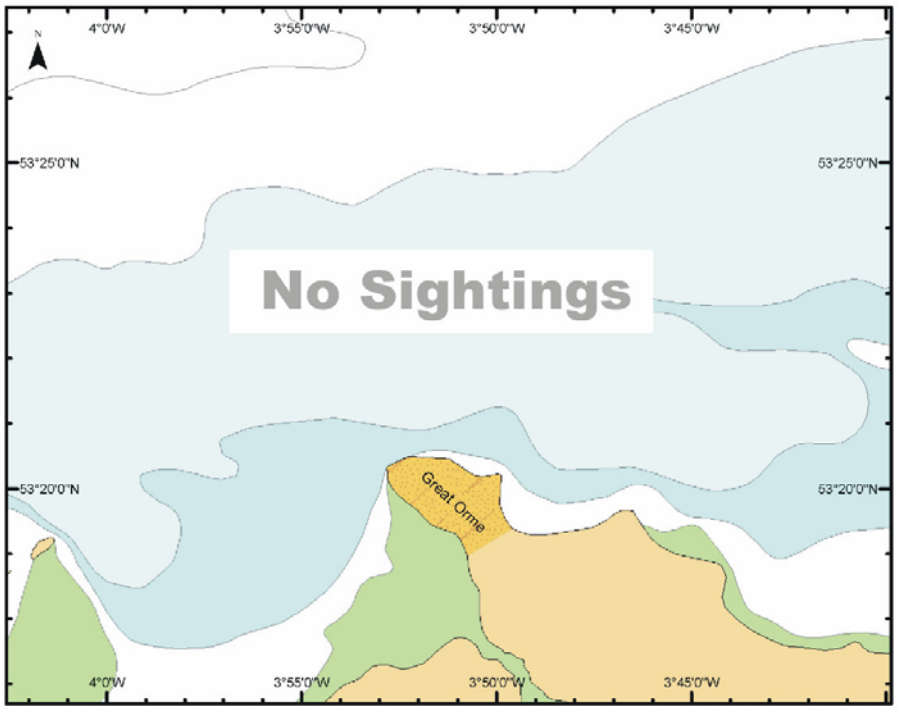
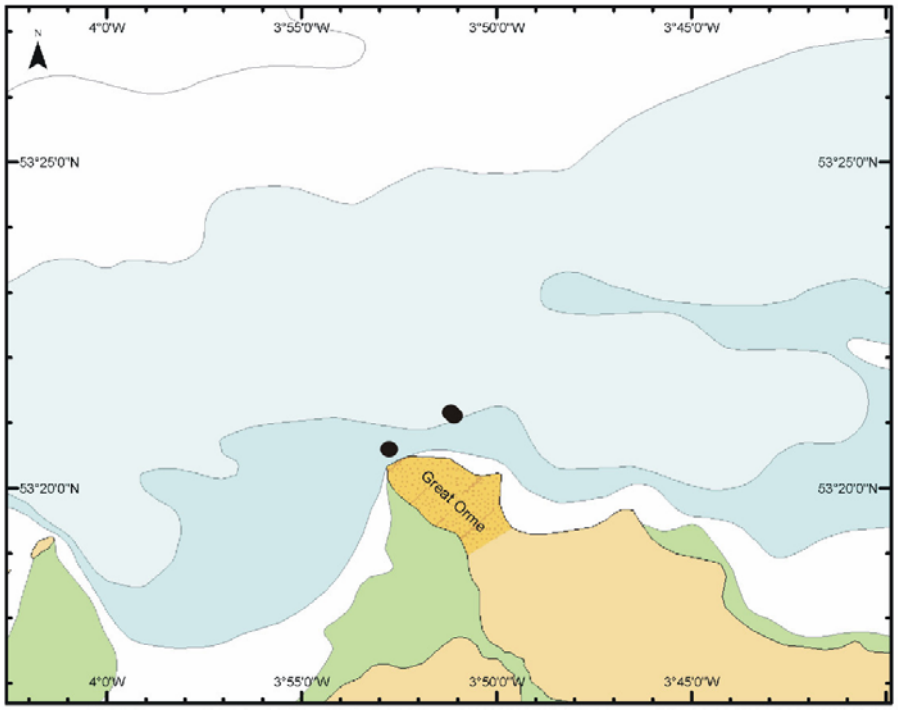


Harbour Porpoise - June 2004



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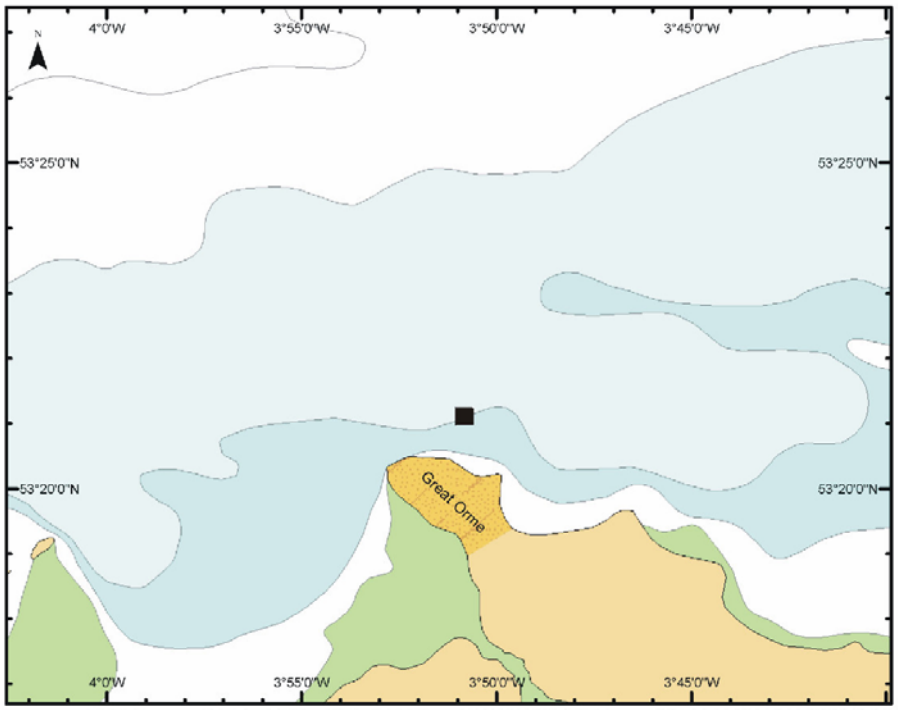

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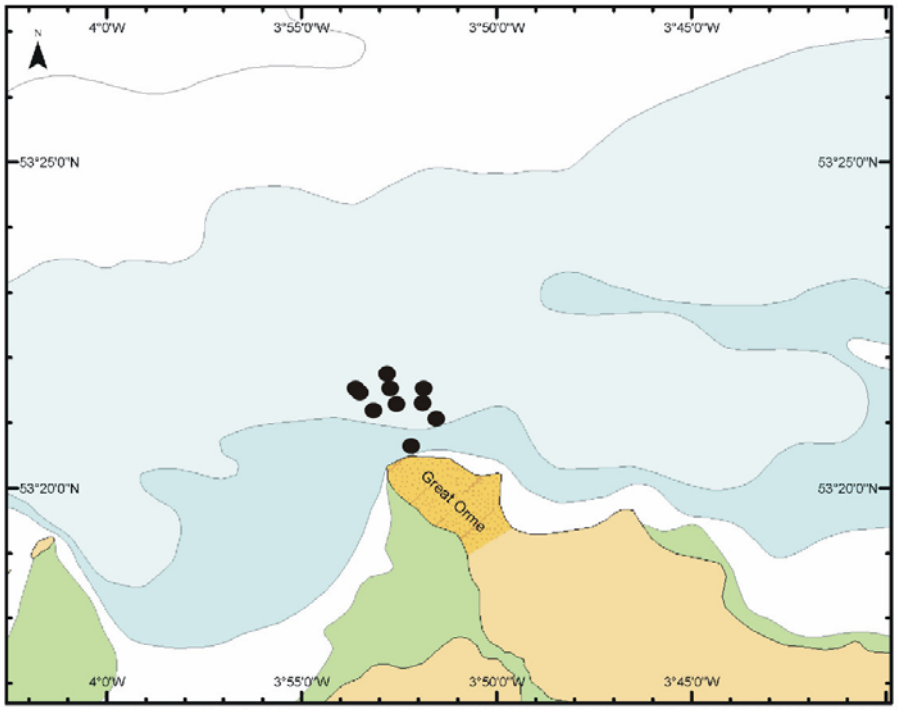

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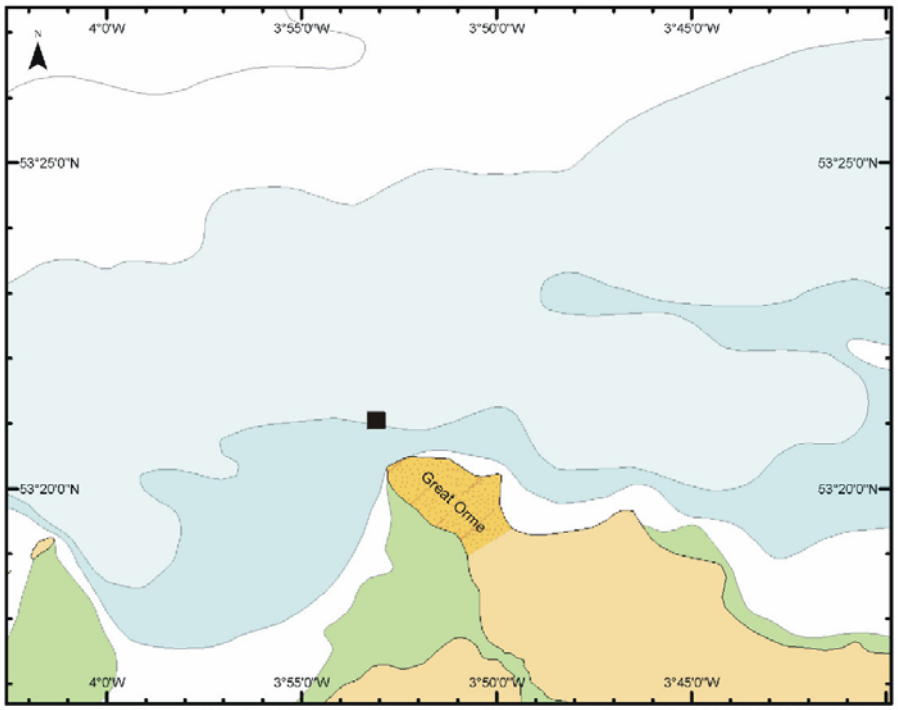

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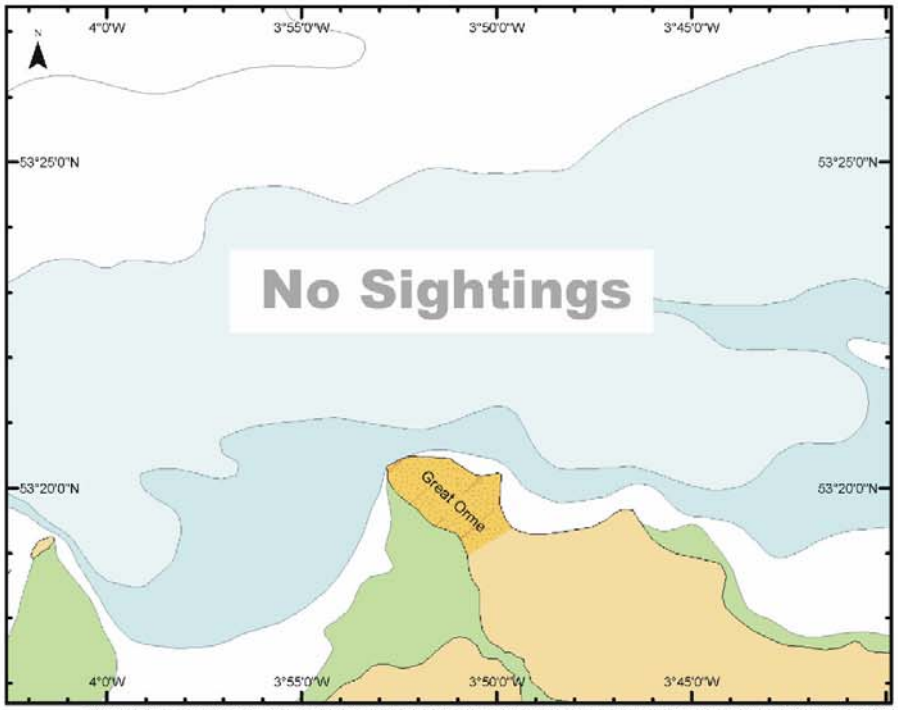

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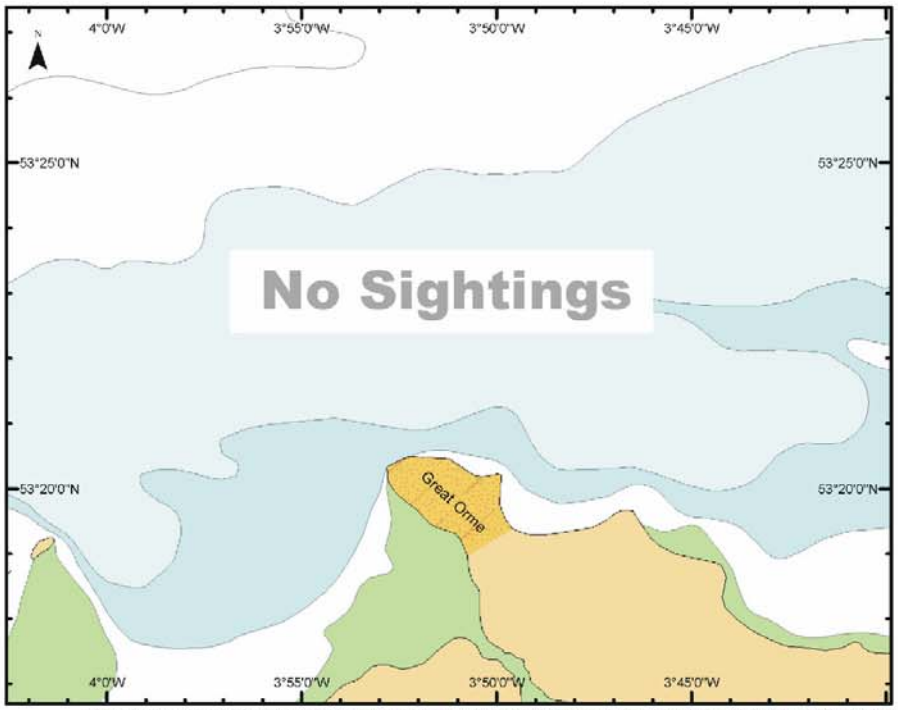

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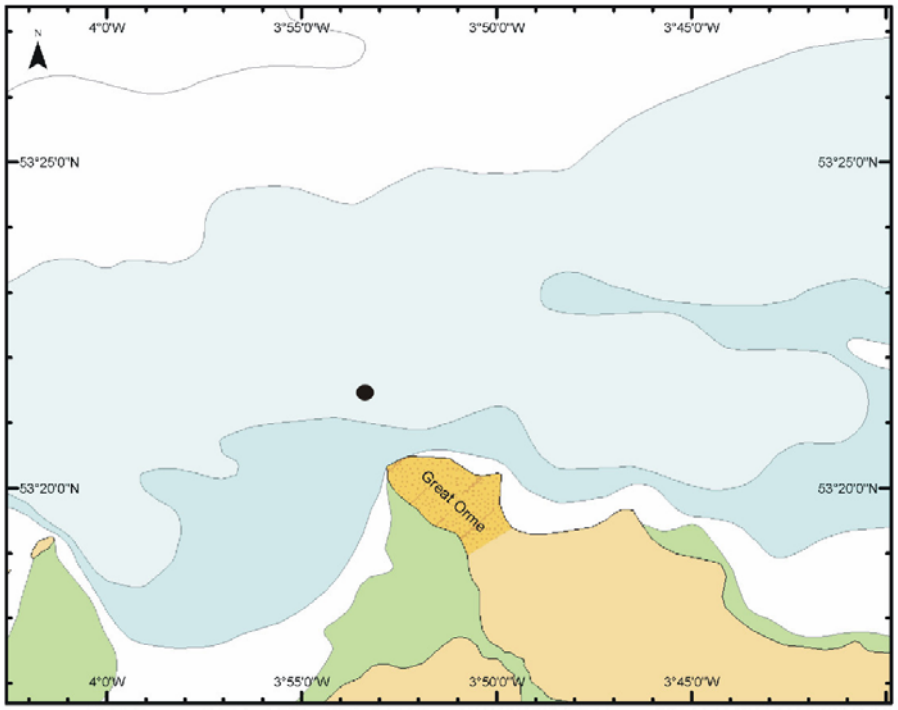

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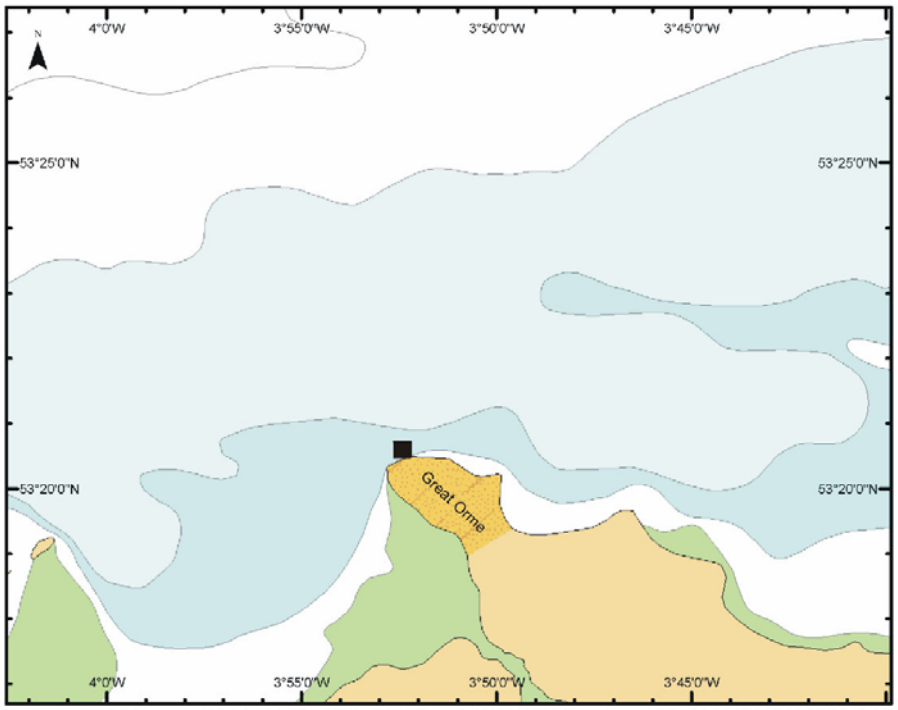

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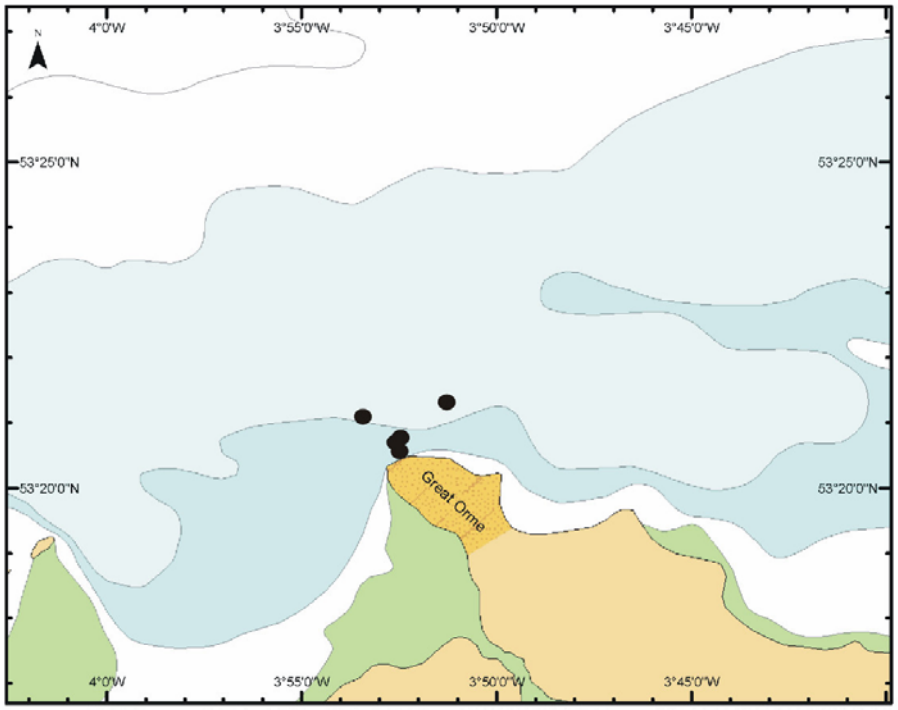

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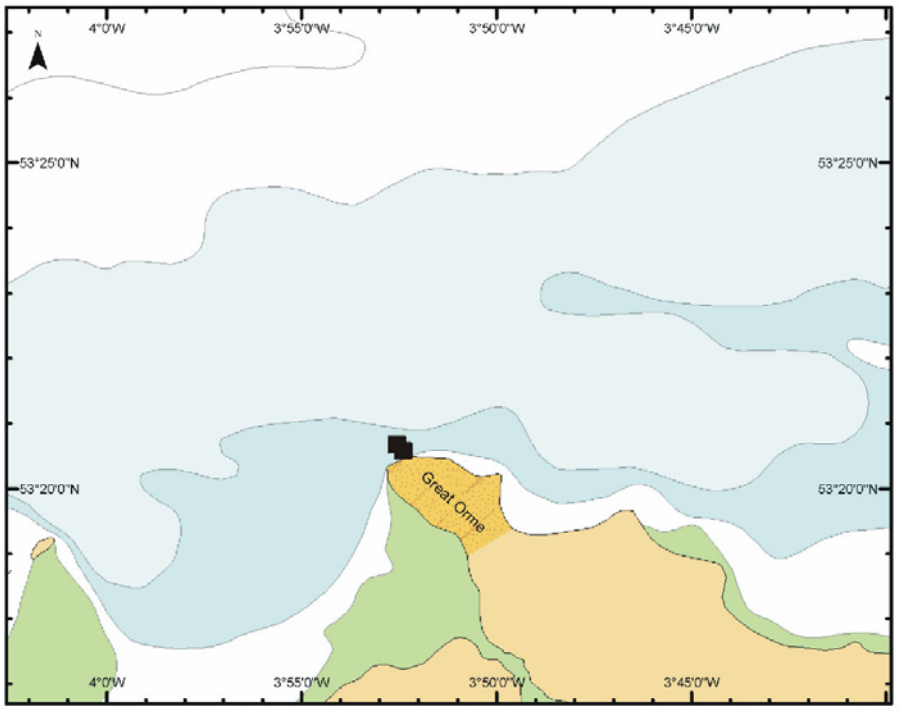

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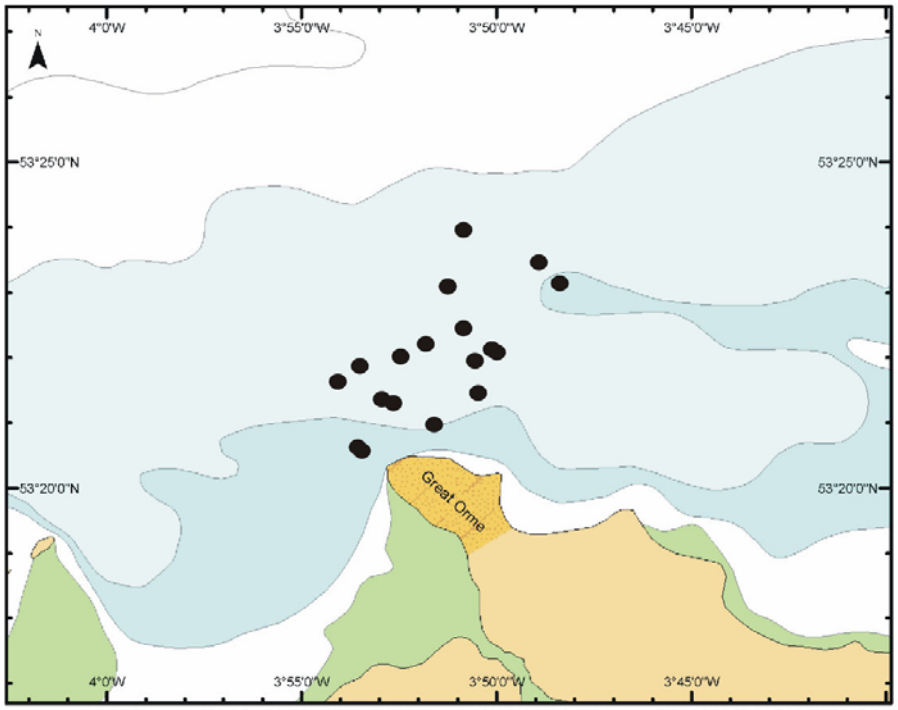

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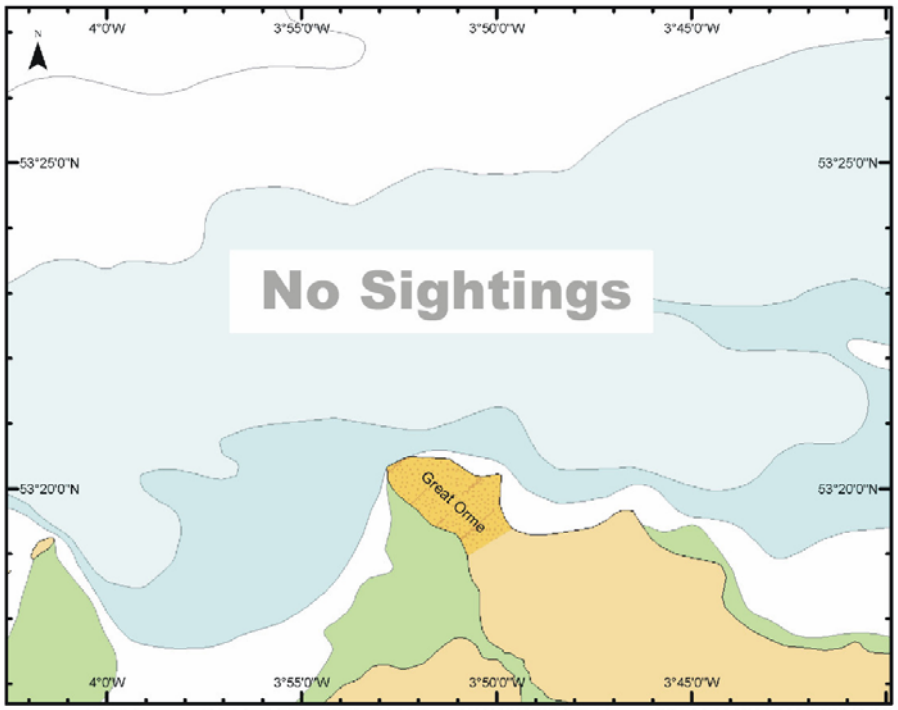

6.3. Appendix 3

Site-specific Marine Noise Measurements at the Gwynt y Môr Offshore Wind Farm Project Area

Site-specific Marine Noise Measurements at the Gwynt y Môr Offshore Wind Farm Project Area

A report to: npower renewables

2005

QinetiQ

CMACS

Centre for Marine and Coastal Studies Ltd

1. Introduction

The proposed Gwynt y Môr Offshore Wind Farm project area is located within Liverpool Bay some 13-15km offshore from the North Wales coastline between Pensarn and Dyserth. npower renewables are seeking to develop this offshore wind farm as part of the Round II licensing stage. Environmental impacts relating to offshore wind farms can occur throughout the lifecycle of the development, from pre-construction surveys through installation and operation to decommissioning. One of the major impacts to the surrounding marine environment is likely to be due to the generation of marine noise and vibration. This impact is likely to arise during each phase of the wind farm e.g. construction, operation and decommissioning.

Underwater noise is potentially detrimental to marine mammals and fish, and vibration effects may modify shellfish and mollusc seabed colonisation patterns. These effects can cause discomfort or damage to various species if of sufficient magnitude, impair communication or foraging/hunting behaviour and impact on fish stocks when spawning areas are close to the proposed wind farm site.

The marine environment is generally considered to be relatively noisy with background noise generated by natural mechanisms such as wind, waves, rain, surf, biological activity and sediment transport processes as well as anthropogenic sources such as shipping, fishing, etc. Naturally quiet environments that are sheltered from incoming swell waves and that do not involve existing leisure activities and commercial shipping, present a problem that is significantly different from more exposed regions that are routinely used by powered leisure craft or close to major commercial shipping (fishing and trade) activity.

For the noise radiated by a wind farm to have an environmental impact, its energy must significantly add to the background noise levels. It is necessary therefore to have an understanding of the noise levels around the proposed site, before the wind farm is constructed. Wind farms are often located in areas of locally shallow water where noise can be increased naturally by the effects of locally enhanced tidal flow over sand/shingle banks, which results in increased noise generated by sediment transport processes. This may be combined with the impact of sea state, especially in sites chosen for high levels of exposure to strong winds, and the proximity of a site to anthropogenic sources such as shipping lanes. Furthermore, complex sea bed topography in shallow coastal waters can focus noise to produce higher than expected noise levels (Urick, 1983). Many sites may be naturally noisy.

CMACS and QinetiQ have been commissioned by npower renewables to determine the baseline noise levels at the Gwynt y Môr project area and to predict noise levels arising from the different phases of the Gwynt y Môr wind farm e.g. construction and operation. To undertake this requirement it was considered that exisiting information such as the measurement of construction noise levels at the North Hoyle wind farm as part of the COWRIE (Collaborative Offshore Wind Research Into Environment) funded research project (see Howell and Nedwell, 2003), would be utilised.

In order to provide a detailed characterisation of the background noise levels at Gwynt y Môr and the predictions for noise levels generated during the different phases of the project the following strategy was developed:

A series of sites across the Gwynt y Môr project area would be surveyed using hydrophones to establish underwater noise measurements. For each noise measurement recorded in the field the frequency spectra of the underwater noise signal will be calculated and displayed as graphs of sound level (dB) vs. frequency (Hz) at each location and depth (see Appendix 3.3). Peak sound pressure levels (SPL) and frequencies will also determined. A suitable propagation model will then be used to estimate the sound level at ranges between and beyond the measurement locations. This modelling will be used to predict zones of influence around the proposed wind farm development using the measured sound field. Due to logistical and time constraints, it is possible to make only a limited set of measurements of noise and it is unlikely that all conditions of tide and weather will be met. The purpose of using predicted noise levels is to determine likely noise levels for those conditions where measurements do not exist and to ground truth the model where the data do exist.

Appropriate models for underwater noise propagation determination in the vicinity of the proposed wind farm will be selected. Over the last 30 years, many underwater acoustic propagation models have been developed (see e.g. Buckingham, 1992 and Etter, 1996) but possibly perhaps the best for dealing with the sound fields associated with the construction, decommissioning and operational phases of a wind turbine is the Fast Field Program (FFP). This assumes the water and seabed to be horizontally stratified and visco-elastic and provides an exact solution to the underlying wave equation except within one wavelength of the source. Once the ambient noise levels have been established the predictions of underwater sound will then be modelled for construction (on the basis of piling operations) and operational noise levels at the Gwynt y Môr site.

To validate this model it is proposed that for construction noise level predictions the actual noise data taken during the construction phase (piling operation) of the North Hoyle Wind Farm (as part of the COWRIE assessment) will be extrapolated to reflect the larger installation proposed for Gwynt y Môr. For model verification of operational noise predictions those measurements taken during the proposed operational noise monitoring assessment at the North Hoyle wind farm will also be scaled up to take into consideration the larger number of turbines and area at the proposed Gwynt y Môr development. It is also recommended that, during the actual construction and operation of the Gwynt y Môr installation, measurements of noise and vibration levels be undertaken to precisely validate these modelling predictions.

2. Methods

To measure the ambient noise currently experienced at the Gwynt y Môr project area prior to the construction of the Gwynt y Môr Offshore Wind Farm, underwater noise measurements of the existing marine environment were taken using methodology previously agreed with Countryside Council for Wales (CCW).

Three transects were used to cover the area for the baseline noise assessment. Transect 1 running parallel to the shoreline bisecting the middle of the site with Transects 2 and 3 running North to South bisecting Transect 1 at the East and West of the EIA area (see Figure 1). Each transect extended approximately 5km away from the proposed EIA boundary and it was proposed that at regular intervals (approximately every 2km) along each transect measurements would be taken using a hydrophone to assess the underwater noise levels. Unfortunately due to problems regarding the weather it was not possible to survey all of the sites proposed. In addition, changes were also made to the boundary of the proposed wind farm area after the survey had been completed. However, it was felt that sufficient coverage of the site had been made and that enough suitable data had been obtained to assess the background noise levels of the project site.

At each station. it was required to measure underwater noise levels over a frequency band of 10 Hz to 150 kHz to cover the hearing frequency range of those fish and marine mammals pertinent to this area of Liverpool Bay. To achieve this, it was necessary to use three hydrophones covering Low Frequency (LF), Medium Frequency (MF) and High Frequency (HF) all of which had been previously calibrated. A comprehensive list of all trials equipment that was deployed on both occasions is given in Appendix 3.2.

All fieldwork was undertaken from the survey vessel “Halcyon Days” (Salvesen Ltd) working out from the Port of Liverpool. Field staff all had prior experience in both the deployment and recording of hydrophone data within the marine environment.

The hydrophones were lowered to a depth of approximately half the water column or 5 m where the water depth was less than 10 m. At each measurement station, a total of around 10 minutes of data were acquired using each of the high frequency (HF), medium frequency (MF) and low frequency (LF) hydrophones. In addition to the acoustic data, the latitude and longitude of the station was determined using the handheld GPS. The prevailing wind direction was noted, as was the wind strength, by observing the state of the sea. The number and approximate distance to any noise sources such as passing vessels and gas or oil installations was recorded. In addition, for those stations within close visual proximity to the North Hoyle Offshore Wind Farm, the number of turbines in operation was recorded, as was the typical rotational speed.

Precautions were taken to minimise any influence upon the measurement of underwater noise levels from boat-based systems such as depth sounders, SONAR, engines and electrical systems. Self-induced noise with regard to the hydrophone itself caused by movements within the water column from vessel movement were also minimised by fixing the hydrophones in place with suitable distance between them so as to prevent them from knocking together.

Data acquisition was controlled through two PCs operating independently of each other onboard the survey vessel. The LF and MF hydrophones were controlled through a PC that was running the computer program Ishmael® (Mellinger, 2002). This is a piece of proprietary software that is widely used in the field of, amongst others, bioacoustics. The sound card fitted on this particular PC was a Creative Sound Labs sound card which had a maximum sampling frequency of 48 kHz. The second PC, which controlled the HF hydrophone, was fitted with a sound card that sampled to a maximum of 400 kHz. On this PC, data acquisition was controlled by a QinetiQ proprietary program called SeaProDaq. Following data acquisition, both programs stored the data files in .wav format ready for subsequent data processing. Each data file acquired at both the Gwynt y Môr and North Hoyle sites are displayed in Appendix 3.

Each of the data files obtained were processed using the Fast Fourier Transform (FFT) in order to provide estimates of power spectral density across 1/3 octave bands. The importance of 1/3 octave bands in this context will be discussed later in this report. Power spectral densities were averaged over the time taken to acquire the data sample, up to 10 minutes in some cases.

The LF and MF data sets were processed using the mathematical matrix computing language, MATLAB, developed by The Mathworks, USA. The program was run on a desktop PC using the Windows XP operating system. The HF data sets were processed using the QinetiQ proprietary processor Nereus running on a PC with the Linux operating system.

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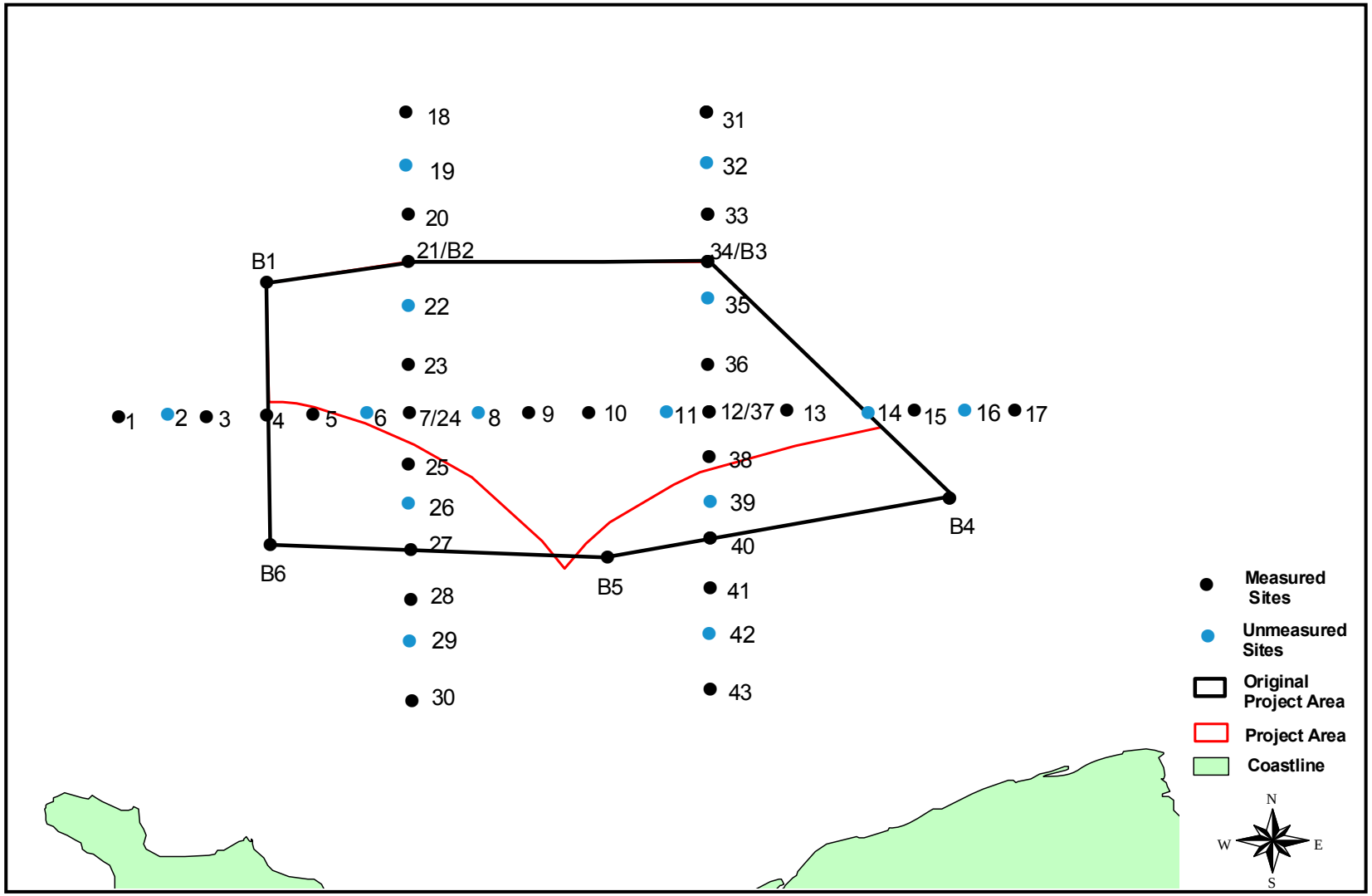


Figure 1: Survey Site locations (NB sites coloured blue were not sampled due to weather and time constraints).

3. Results

Ambient noise levels at the Gwynt y Môr project area

The purpose of recording the ambient noise levels over the Gwynt y Môr site is to provide a baseline of the noise levels before development of the wind farm is initiated.

A number of the data points acquired at the Gwynt y Môr site were not used. This was because the pressure-time histories showed that the waveforms were clipped, rendering subsequent data processing impossible. Out of the 37 sets of ambient noise data that were acquired over the whole of the Gwynt y Môr site, a total of 25 data sets yielded useful data in that the data showed no signs of clipping (see Appendix 2). The results, summarised in Figure 2, show background noise levels in 1/3 octave bands for each data set. It can be seen that, for a given frequency, there is considerable variation across the Gwynt y Môr site.

At a frequency of 10 Hz, the background noise levels vary from below 120 dB re 1 μPa per band level to 147 dB re 1 μPa per band level. Such a variation of nearly 30 dB appears typical up to a frequency around 20 kHz beyond which, the variation reduces to 10 dB or less. In addition, it can be seen that there is a large spike centred at 20 kHz and a smaller one at 40 kHz. The reason for this is unknown but it is speculated that it was an artefact of the HF hydrophone and data acquisition system. During the data acquisition period, a number of tests were carried out in an attempt to isolate the problem including checking that all boat systems were turned off (including the power supply), checking the earthing connections and looking for noises external to the survey vessel which could have caused this spiking.

Variations in the background noise levels from site to site are attributable to a number of factors which include:

- Industrial noise,
- Shipping noise,
- Surf noise,
- Wind farm noise,
- Water depth due to bathymetric variation and state of tide,
- Knocking of hydrophones on the hydrophone rig,
- Knocking of the cables on the hydrophones,
- Strumming of the hydrophone cables arising from the tidal flow stream.

Individual events such as wind farm noise and impulse noise arising from hydrophones or cables knocking on each other are not seen in Figure 2 because individual results have been averaged together over the time taken to acquire the data, up to a maximum of 10 minutes. To view some of these features, it is necessary to view individual records:

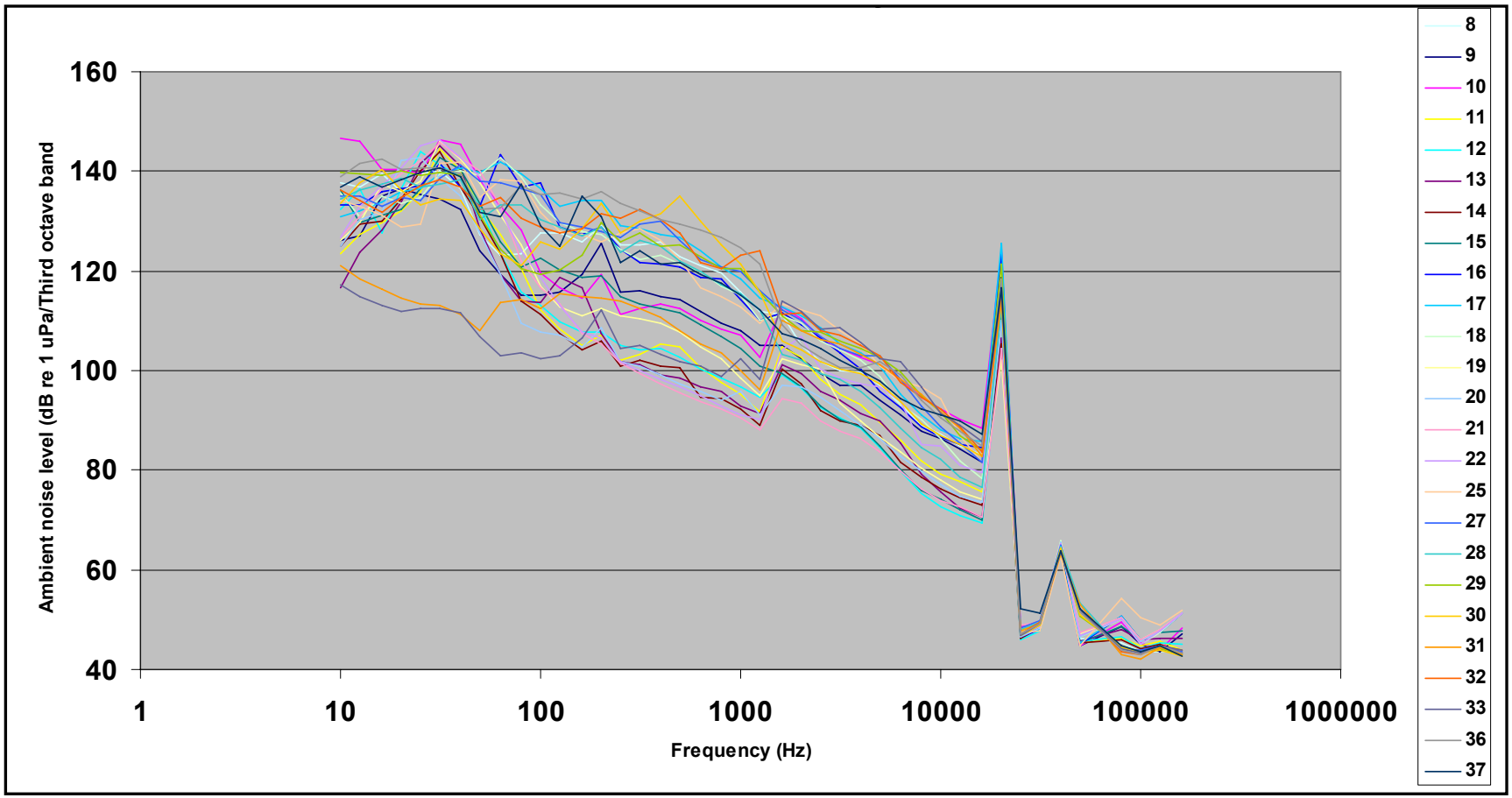


Figure 2: Ambient noise levels measured at the Gwynt y Môr project area (NB lines correspond to site number- see Appendix 3 for full data).

Figure 3 shows a spectrum plot of data acquired when the hydrophones were knocking together. This arose when the cables that should have secured then became loosened and necessitated a running repair. It will be seen that noise levels reach 210 dB re 1 μPa at frequencies below 50 Hz.

Figure 4 shows data acquired at site 37 which was located approximately 2 km from the North West corner of the North Hoyle Offshore Wind Farm. High levels of sound are found centred on 250 Hz, 500 Hz and 750 Hz. These are some 25 dB higher than the noise levels outside these frequencies and in fact represent the noise generated by the turbines. This data set was acquired at 2000 hrs, approximately 4 hours after local sunset, therefore it was too dark to see how fast the wind turbine blades were turning or how many turbines were in operation. The tonals themselves may be attributed to the turbine blade rotational speed or turbine and gear box noise.

Tidal flow noise, sometimes referred to as self-noise, is seen in Figure 5. The noise level in the LF channel is excessive, in fact so much so that the waveform was clipped rendering further data analysis pointless. The strength of the tidal flow became a real issue. Initially, it was decided to anchor the ship at each measurement station while data acquisition took place. Even a cursory examination of the results showed that flow noise dominated all other aspects of the background noise. Subsequently, it was decided to let the ship drift with the tide during data acquisition. Over a period of 10-20 minutes, the ship was found to have drifted 0.2-0.3 nautical miles.

An example of a set of results which are free from impulsive events and which are not clipped are displayed in Figure 6. This shows background noise levels between 10 Hz and 20 kHz and represents data acquired at site 10. During data capture, it was observed that there were no passing ships, the wind farm was not in sight and there were no impulse events heard on the waveform. This result is typical of those captured at several locations over the Gwynt y Môr site and represents the sort of waveform that was subsequently processed in order to determine levels of noise that form a useful baseline measurement of background noise.

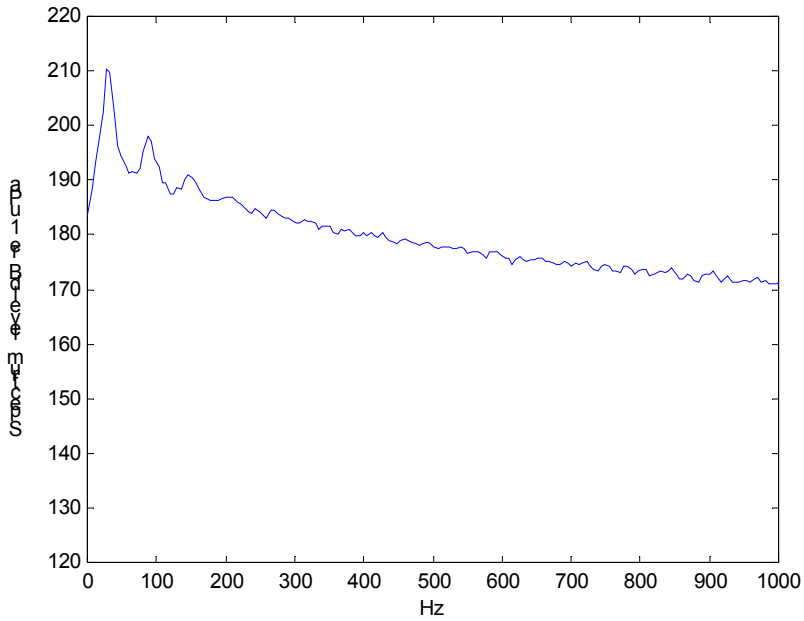


Figure 3: Hydrophone banging on cable at Site 8

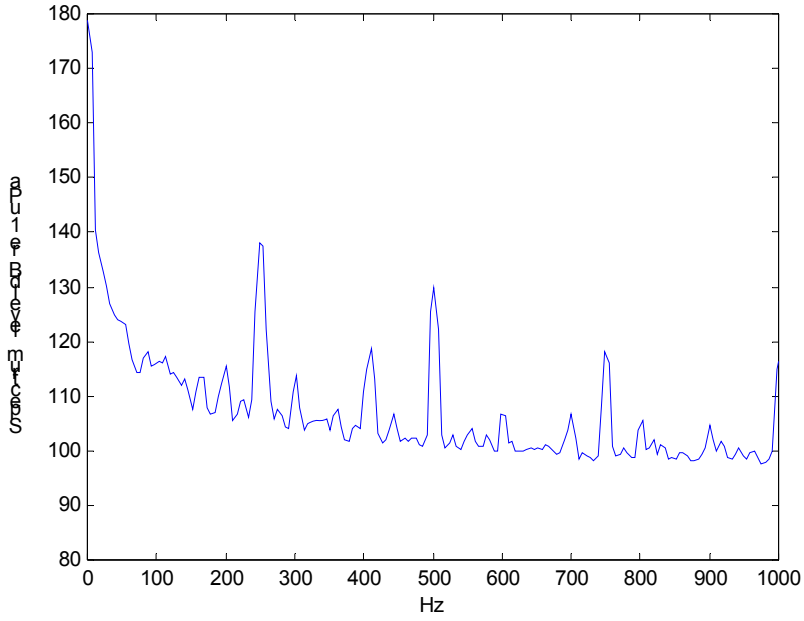


Figure 4: Typical plot of wind farm noise measured underwater at Site 37

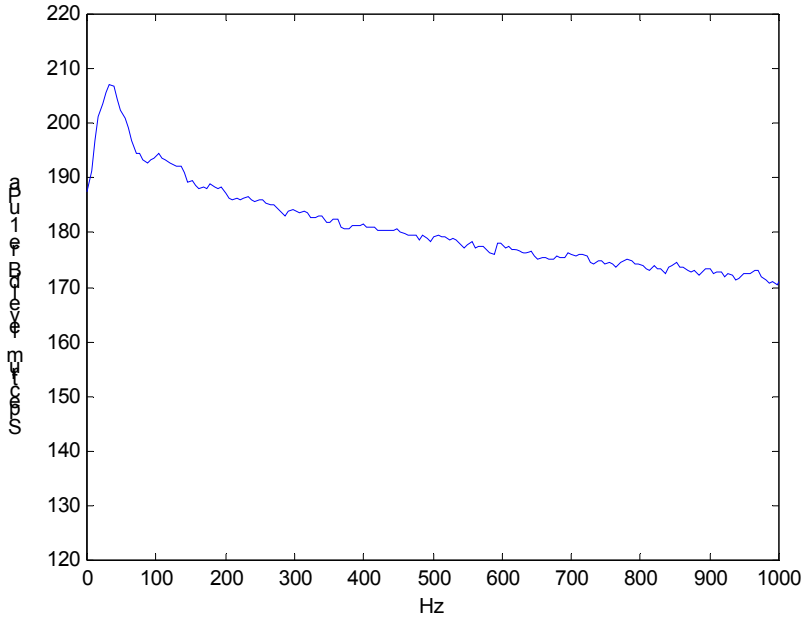


Figure 5: Raised noise levels due to flow noise at Site 21

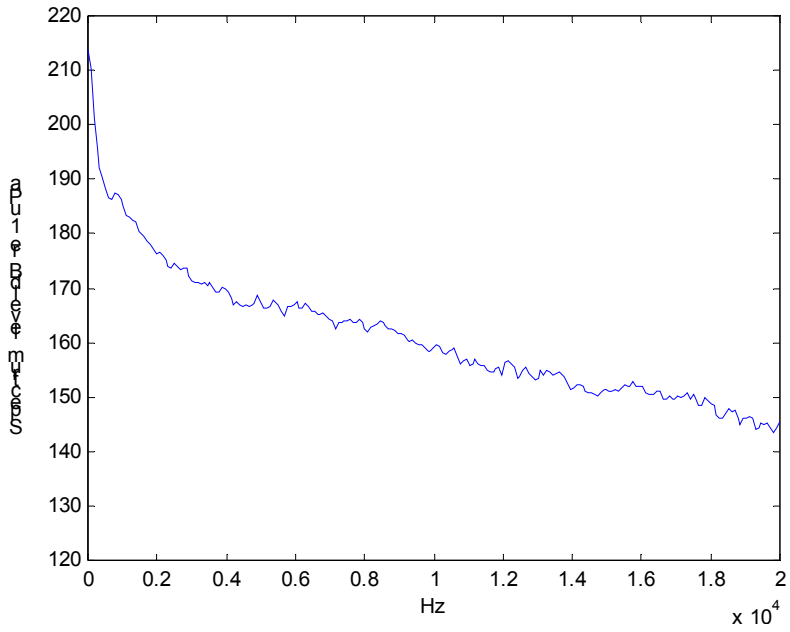


Figure 6: Spectrum for typical quiet site at Site 10

Overall the noise levels between the frequency range 10 Hz to 150 Hz were recorded and the results showed a characteristic fall in level with increasing frequency. Although considerable variation was seen from location to location, this was attributed to a number of factors including wind noise, wave slap, flow noise and the noise from the nearby North Hoyle Offshore Wind Farm.

Acoustic Impact Model
The original requirement was that an acoustic model relating to the acoustic impact on fish and marine mammal species would be couched using the dB_{ht} model developed by Subacoustech Ltd (Howell and Nedwell, 2003). However, at the time of writing, a suitable method for the application of dB_{ht} was unavailable and it was decided to use the QinetiQ acoustic impact model instead.

The QinetiQ acoustic impact model (Heathershaw *et al.*, 1997, Ward *et al*., 1998(a), Ward *et al.,* 1998(b), Heathershaw *et al.,* 1998, Parvin *et al.,* 1999, Ward 1999, Ward 2001, Heathershaw *et al.,* 2001, Clements *et al.,* 2003) is based on the threshold of hearing for a number of species of marine mammals, including toothed whales and seals as well as fish and underwater human divers and swimmers. In addition, it is necessary to consider not only the frequency and intensity of any potential sound but also the duration to which the receptor is exposed. The QinetiQ approach is based on the human Damage Risk Criterion (DRC) and involves establishing a relationship between the level of sound likely to lead to permanent or temporary hearing damage and the length of time required for this to happen. The QinetiQ acoustic impact model has been developed and refined over a number of years and details may be found in a number of papers and presentations given world-wide since its inception.

It was not feasible to do this for all marine faunal species found at Gwynt y Môr so a selection of species were chosen for the purpose of the acoustic impact modelling a number of species were selected these are listed in Table 1 and include species protected by national and international legislation, species of a high sensitivity to noise and species of commercial importance or importance at the trophic level.

Table 1: Target species of fish and marine mammals found in trials area

Marine mammal	Harbour porpoise	Protected species
	Grey seal	Protected species
Fish	Herring	Hearing specialist
	Cod	Commercially important
	Salmon	Migratory
	Dab	Non-hearing specialist
	Sand Goby	Trophically important and protected under Bern convention

Audiograms for each of the above species are given in Figures 7 and 8. These figures indicate the thresholds of hearing for each of the above species and show the range of frequencies over which the animals may respond to acoustic stimuli. In many cases, the threshold curves represent measurements taken on just one test subject. It is recognised that this is a statistically small sample and that the results may not be typical of the species at large. However, it will also be seen from Figure 7 that there have been two cod test samples and two grey seal samples from Figure 8. For the purpose of subsequent analysis, the lowest threshold value for a given frequency will be used as this represents the most sensitive part of the hearing for the given test subject. However, as each curve represents all the data known to be in the public domain, these will form the basis of all subsequent analysis.
It will be noted that fish are generally sensitive to sounds in the frequency range 10 Hz to 1000 Hz with a lowest hearing threshold of 63.4 dB re. 1 µPa at a frequency of 20 Hz. Marine mammals are seen to be sensitive to sounds over the range 100 Hz to 150 kHz with the lowest hearing threshold being 41 dB re. 1 µPa at a frequency of 65 kHz.

The impact of duration of sound is indicated by Figure 9. The rationale behind this figure is based on the human DRC where the time to give rise to a particular impact (such as permanent deafness) is halved as the sound level is increased by 3 dB. For sound duration exposures of 8 hours or more, temporary deafness or temporary threshold shift (TTS) occurs at sound levels of 75 dB above the threshold of hearing as indicated in Figures 7 and 8. Similarly, permanent deafness or permanent threshold shift (PTS) occurs at levels 95 dB above the threshold of hearing.

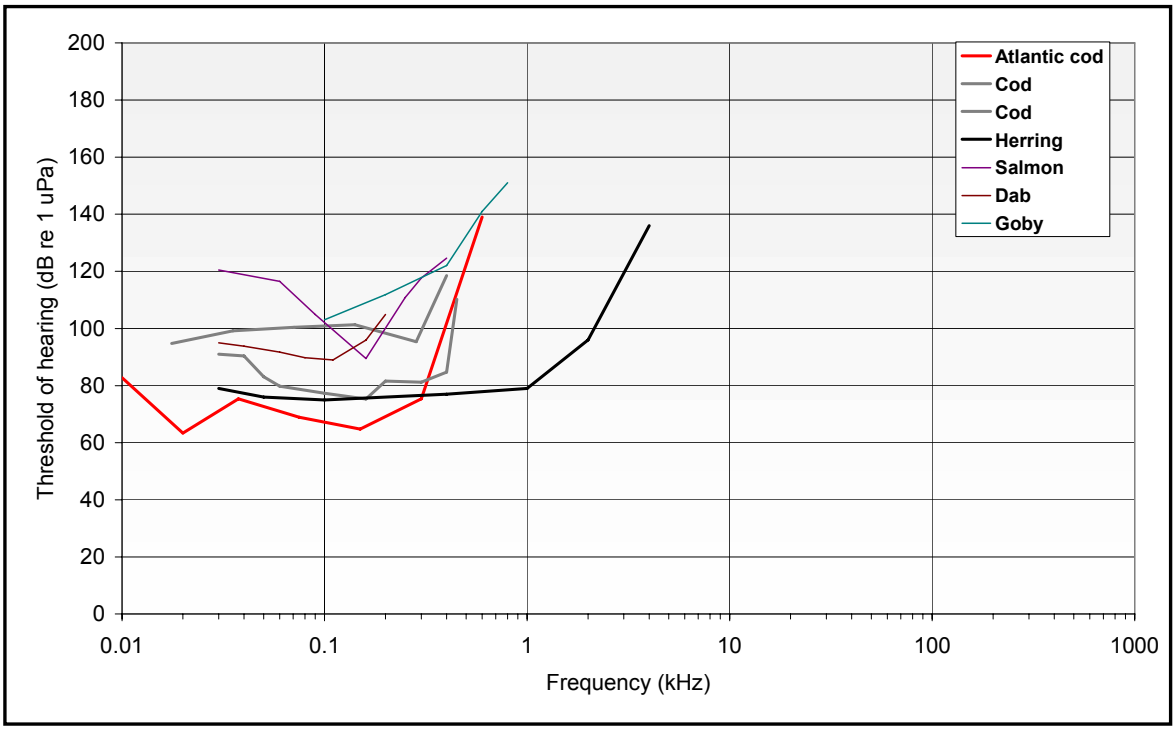


Figure 7: Hearing thresholds for fish seen in trials area

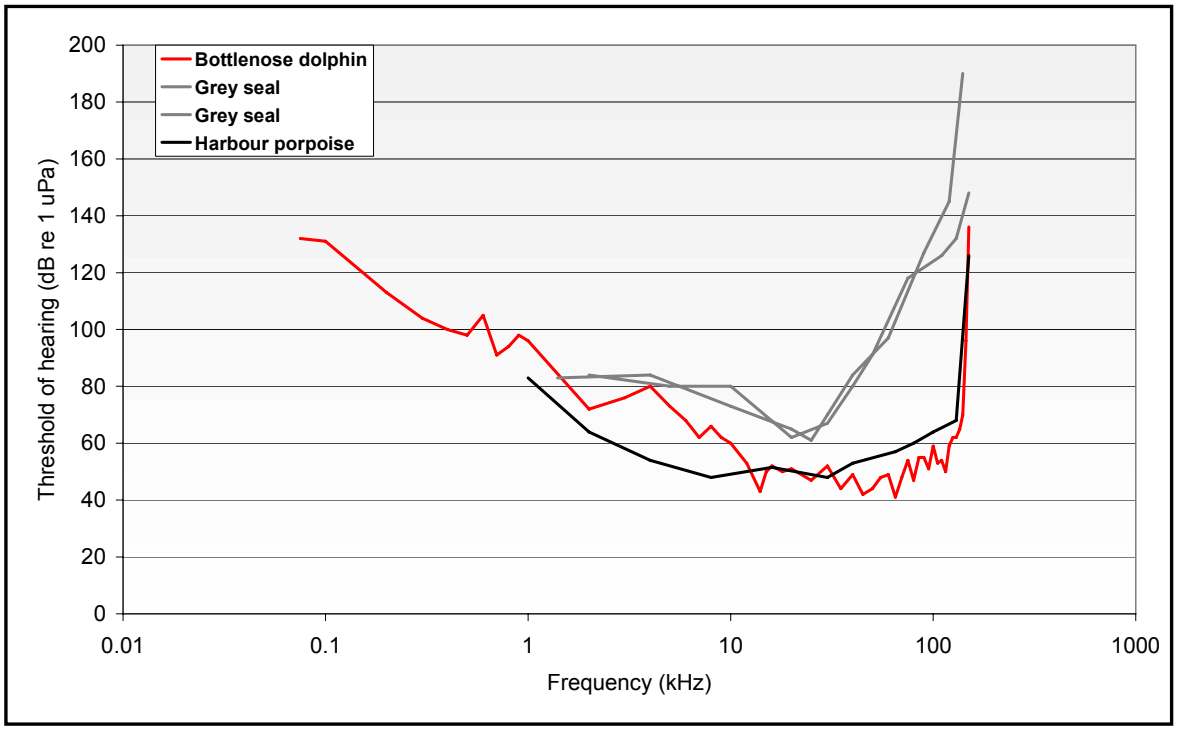


Figure 8: Hearing thresholds for marine mammals seen in trials area

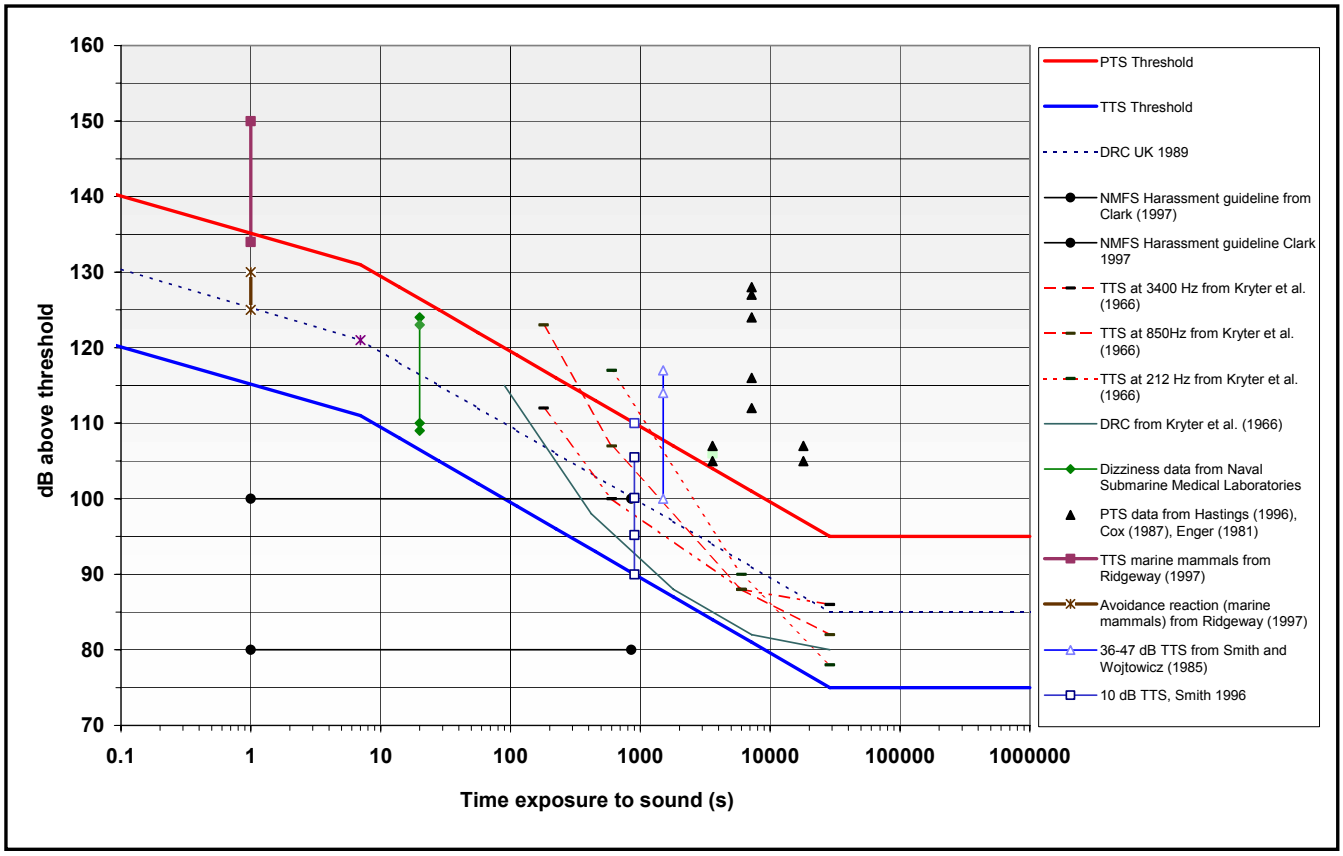


Figure 9: Threshold criteria in the time domain

Gwynt y Môr noise Construction noise level predictions

During the construction phase of an offshore wind farm, secure foundations have to be built on which are subsequently mounted individual wind turbines, weather sensors and offshore substations. These foundations are driven into the seabed using a piling hammer. This operation, known as mono-piling, generates considerable levels of noise and these have been measured at the North Hoyle Offshore Wind Farm during its construction phase when piles of 4.0m in diameter were driven into the seabed (see Howell and Nedwell, 2003).

Measurements of sound pressure level were recorded at a number of ranges from the centre of the North Hoyle Wind Farm area at two depths in the water column, and over four transects radiating from the site centre. A summary of the results is given in Figure 10. This shows measured peak sound pressure levels plotted against range. It will be seen that noise level falls fairly evenly with range over all transects and this indicates that the sound falls off in level equally regardless of direction.

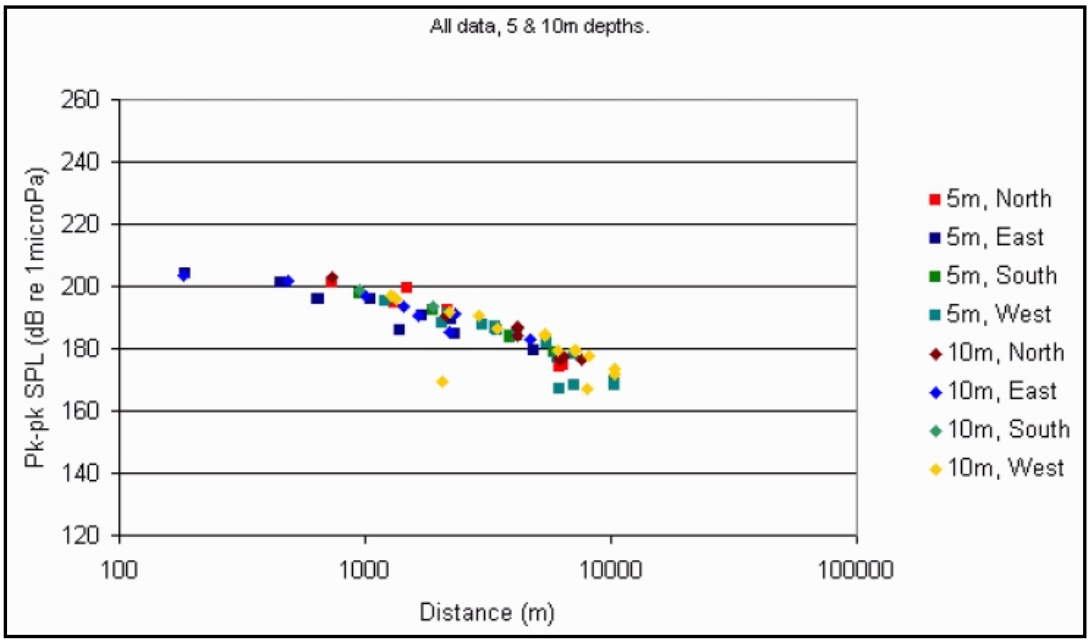


Figure 10: Piling sound as a function of range at North Hoyle site (after Howell and Nedwell, 2003).

By dint of fitting a curve through the available sound pressure level data, Howell and Nedwell (2003) found that the sound level was seen to fall off with range as 22 $\log_{10}$ R where R is the range from the centre of the site. By extrapolating backwards, it is possible to determine a nominal source level of 260.3 dB re 1 µPa at 1 m. Underwater acoustic propagation is usually described in terms of a spherical spreading regime where the sound level decays uniformly in all directions, a cylindrical spreading zone where the sound interacts with the water surface and seabed and a transition zone between the two. An expression such as that given above tends to over simplify the physics however for the sake of consistency, a 22log10R will be used to its limit of applicability at 10 km and a cylindrical spreading term will be used for longer ranges.

The maximum diameter of the piles likely to be used at the Gwynt y Môr site is somewhat larger at 6m diameter. These will obviously require more power to drive into the seabed; hence peak-peak sound pressure levels are likely to be greater. Other wind farm consent applications have estimated piling noise at a level of 271 dB re 1 µPa for a 6m pile. However, local seabed sediment conditions will govern the amount of power required. Due to the proximity of the North Hoyle Wind Farm Site to Gwynt y Môr the measurements of the mono-piling at North Hoyle have been extrapolated to calculate the likely sound levels which would be produced from the piling of monopiles at a size of 6m at Gwynt y Môr. Assuming that the sound pressure level required is proportional to the squares of the pile diameter, it is possible to extrapolate to a value of 273 dB re 1 µPa. This figure may then be used to estimate the likely impacts upon marine life as a result of noise generated during piling activities.

Predicted impacts from construction noise on considered marine species

The power spectrum density of a typical piling impulse shows that the peak power is found in the frequency range 100 Hz to 200 Hz. On this basis it is possible to determine likely threshold levels that would give rise to acoustic impacts on marine mammals over the given frequency range. Using the QinetiQ acoustic impact model, it is possible to determine likely threshold levels that would give rise to a number of acoustic impacts.

It is noted that all of the fish species are most sensitive to sound in the frequency range containing the peak of the power emitted during the piling operations. Conversely, the harbour porpoise and grey seal are relatively insensitive to sound at the low frequencies involved.

In order to determine likely ranges over which acoustic impacts may arise, the decay of sound pressure level due to piling has been plotted over range along with the threshold levels for the given impacts for each of the marine species under consideration. Over the range 1 m to 10 km, a transmission loss of 22 $\log_{10}R$ has been used while over 10 km; a transmission loss of 15 $\log_{10}R$ has been used (Weston, 1971). The results are displayed in Figure 11.

The impact model indicates that the most sensitive fish to piling sound is the cod and from Figure 11 it can be seen that a stand-off range of approximately 800m from the source level is required to avoid permanent acoustic damage in cod. The goby is the least sensitive fish species considered. The audiograms available indicate that while marine mammals are most sensitive to sound in the range 10-50 kHz, there is still sufficient power in the piling impulse to require long stand-off distances from the source in order to avoid acoustic impacts. The grey seal was found to be the least sensitive marine mammal to piling noise with a distance of approximately 1km being required to avoid hearing damage following exposure to a source level of 273 dB (see Figure 11). The harbour porpoise was found to be the most sensitive with a distance of 4km being necessary to avoid permanent hearing damage following piling at a source level of 273 dB (see Figure 11).

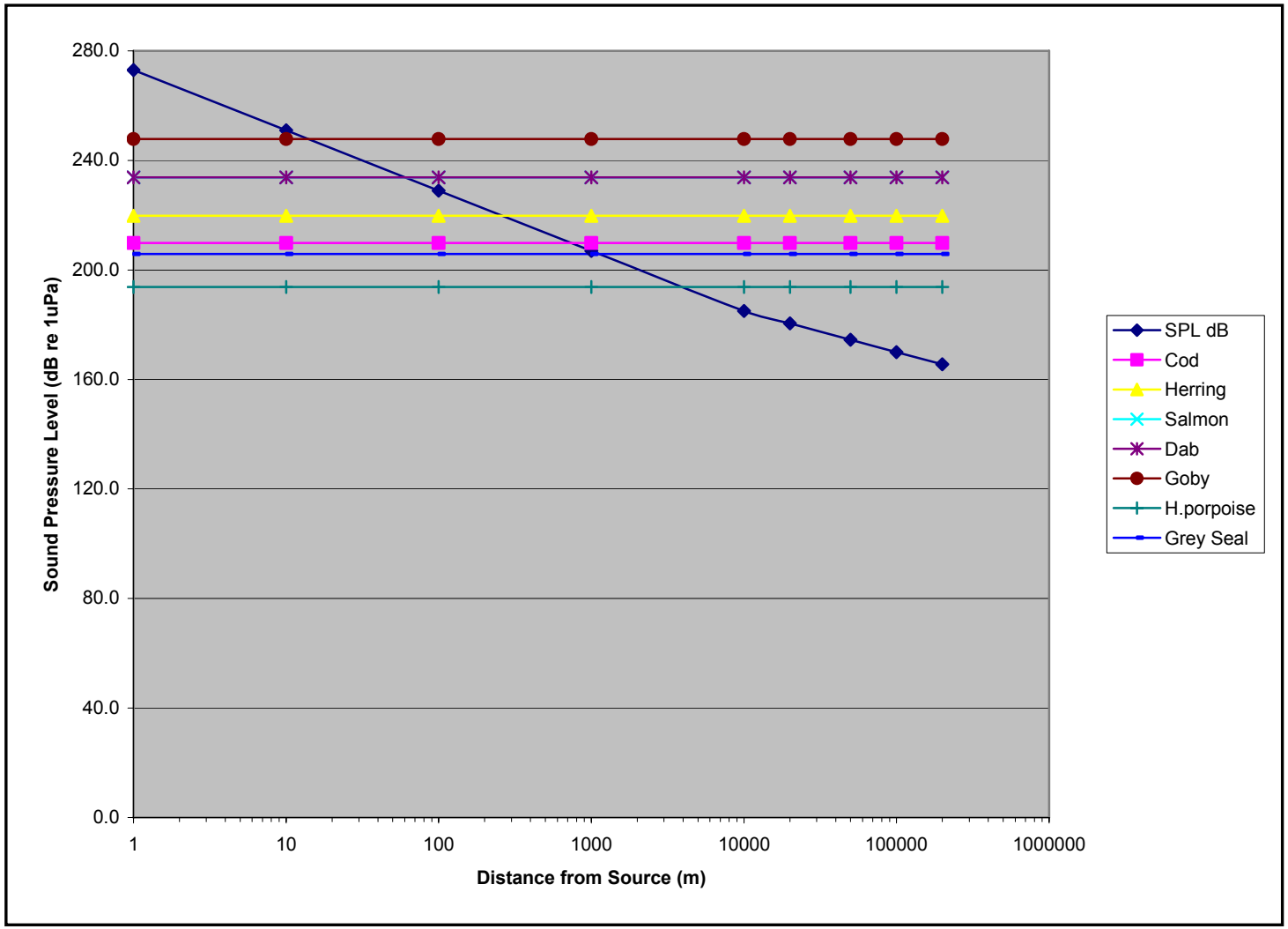


Figure 11: Decay of piling noise over distance displayed against sound levels required to invoke permanent hearing damage in certain marine species.

Operational Noise

The operational noise levels of the North Hoyle Offshore Wind Farm were measured as a monitoring requirement for the FEPA licence. Underwater noise levels were recorded using the same equipment and at the same frequencies and at the same time as the Gwynt y Môr baseline.

At the North Hoyle Wind Farm there are 30 operational wind turbines each of size 2MW. The Gwynt y Môr turbines will be of a higher class and there will also be a larger number. Although the exact layout, class and number of turbines indicative options are as follows:

- Illustrative Layout Scenario 1: 250 turbines of 3 MW class,
- Illustrative Layout Scenario 2: 219 turbines consisting of 172 turbines of 3 MW class and 47 turbines of 5 MW class,
- Illustrative Layout Scenario 3: 150 turbines of 5 MW class.

In order to provide an estimate of the operational noise levels at the Gwynt y Môr site, the data obtained during the measurement of the operational noise at North Hoyle has been uplifted so as to take into account the increased numbers of turbines and the larger turbine sizes at Gwynt y Môr. To determine a suitable uplift, the noise level at North Hoyle was assessed. This was divided by the total number of turbines at North Hoyle and the turbine class power to give the noise level per MW. This approach assumes that the operational noise level scales linearly with total generating power. Should this assumption be found to be invalid, then estimates of noise levels at Gwynt y Môr would need to be reassessed. The noise levels measured at North Hoyle were then scaled up to estimate the noise level for each of the scenarios listed above. In doing this, it was assumed that each turbine at North Hoyle contributed equally to the measured noise level, all the turbines at the Gwynt y Môr site would be operational at the same time, all turbines would be turning at the same rate and the underwater propagation conditions at the Gwynt y Môr site are comparable to those at North Hoyle. Since the three illustrative layout scenarios all have approximately the same total generating capacity of 750 MW, and the noise levels are assumed here to scale linearly with generated power, the three scenarios all yield the same noise level to a good approximation. The uplift, calculated using a total generating power of 750 MW, has been applied across the spectrum and the results are displayed in Figure 12.

It can be seen that the maximum sound pressure levels are found generally over the frequency range 100 Hz to 200 Hz. There is also a considerable variation over all sites for a given frequency. For instance, over the above frequency band, the maximum sound pressure levels vary between 120 dB re 1 uPa/band level and 155 dB re 1uPa/band level.

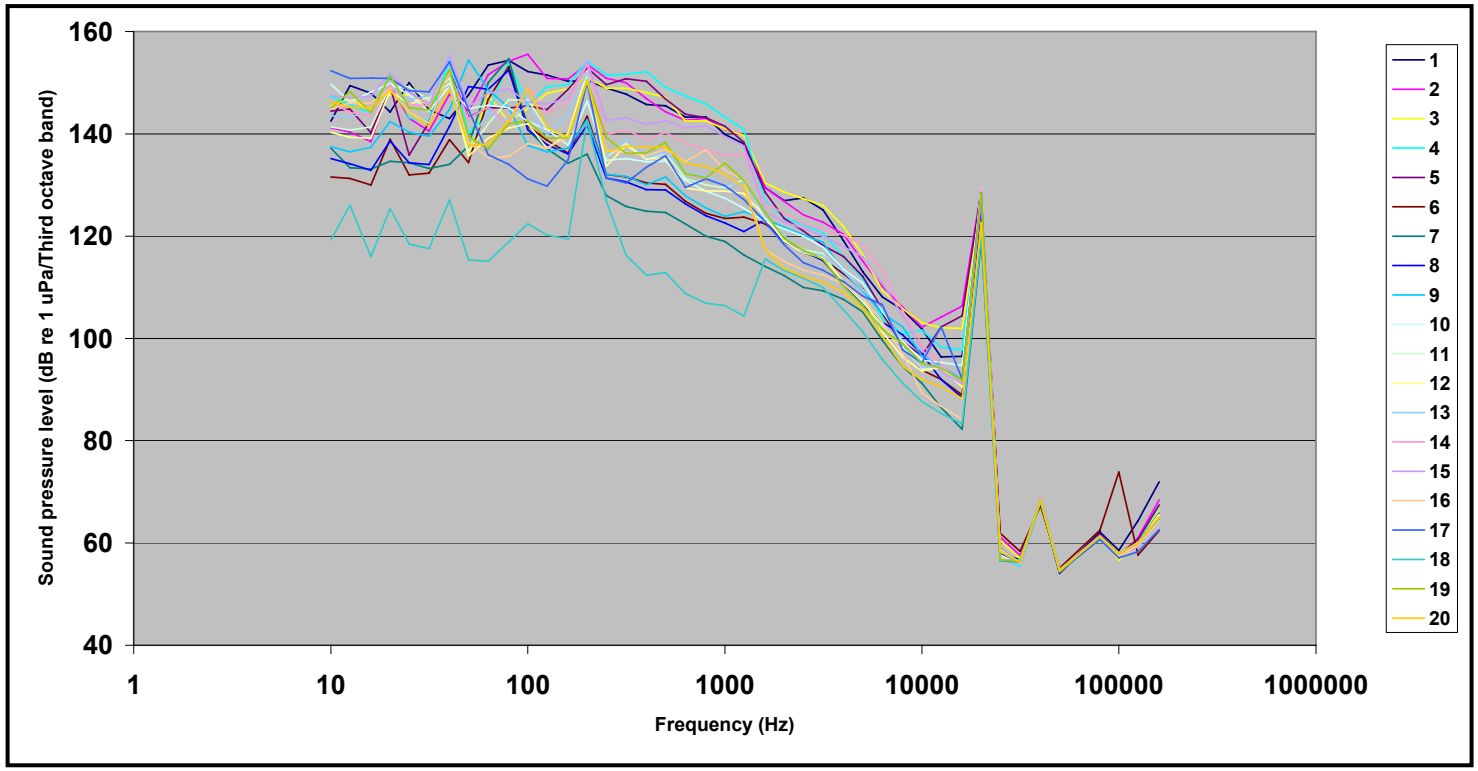
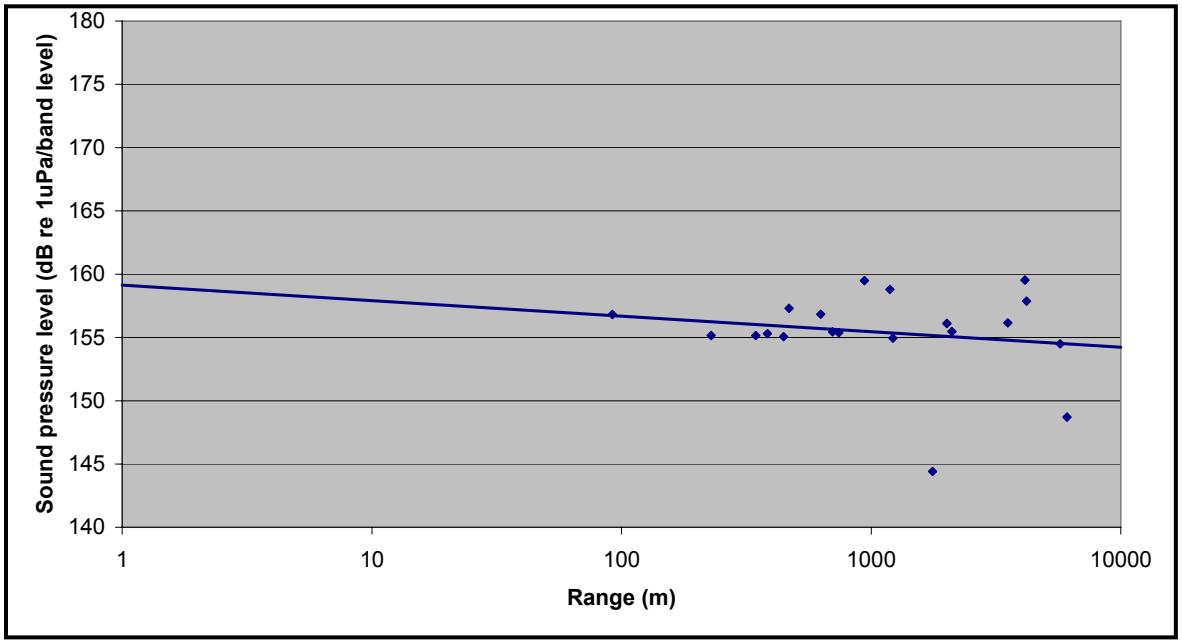


Figure 12: Uplifted data set taking into consideration the operational noise levels of North Hoyle and the background noise data from the Gwynt y Môr site

To provide an estimate of the total noise power emitted by the Gwynt y Môr Wind Farm, total noise levels at each measurement site and over the frequency range 10 Hz to 150 kHz were plotted as a function of range using the uplifted Gwynt y Môr data set, the results of which are shown in Figure 13.

Both Transmission Loss (TL) and Source Level (SL) models have been fitted to the measured power levels from the uplifted source as a function of range. These are essentially a best fit line through the data; the SL is effectively the level at a range of 1 m and the TL represents the gradient of the line. The SL was estimated at 159.1 dB re 1μPa/band level while the TL was found to be weakly dependent on range at $0.53\log_{10}R$ where R is the range from the centre of the wind farm. The weak dependence on R suggests that most of the measured sound is ambient noise and not generated operational wind farm noise.

Figure 13: Sound pressure levels as a function of range and transmission loss model for



estimates of noise at Gwynt y Môr Offshore Wind Farm.

With the aid of the TL and SL models, it is possible to estimate likely acoustic impacts from the operational noise levels produced from Gwynt y Môr on marine species.

Table 2 lists the target species discussed in Section 6 along with the audio frequency at which the animal is most sensitive. Also given is the tonal source level at the given frequency using as source data, the uplifted Gwynt y Môr data set. Also included in Table 2, are the ambient noise levels as measured at Gwynt y Môr, at the most sensitive frequencies for each of the given target marine species. The distance at which the tonal source level falls below the background noise level and thus becomes undetectable by the species is also included. From this table it can be seen that the operational noise of the Gwynt y Môr wind farm will be inaudible to dab and gobies at a maximum distance of 11m at a frequency of 100Hz (corresponding to the most sensitive frequencies for Dab and Gobies, based upon the impact model) whilst for the remaining species, at their corresponding most sensitive sound frequency, the operational noise will be inaudible above the existing background noise of the pre-existing conditions at the Gwynt y Môr site at a distance of 4m or less.

Table 2 also lists the threshold levels at which acoustic impacts are likely to arise by comparing the tonal source level (SL) with the permanent threshold shift (PTS) levels it can be seen that in no case does the source level in the tonal at which the animal hears best,

exceed the threshold level for a given acoustic impact. This means that permanent acoustic impacts are unlikely to be incurred by the marine species modelled for as a result of the operational noise levels at Gwynt y Môr.

Table 2: Tonal source levels (dB re 1 µPa at 1 m) at most sensitive frequencies for target species and the threshold levels giving rise to acoustic impacts for target species.

Species	**Freq (Hz)**	**Tonal SL**	**AN (dB re 1 µPa/band)**	**AN distance (m)**	**PTS_{30min}**	**PTS_{1hr}**
Cod	160	151	137.8	4	172	169
Herring	160	151	137.8	4	190	179
Salmon	160	151	137.8	4	204	193
Dab	100	156	135.1	11	204	193
Goby	100	156	135.1	11	218	207
Harbour porpoise	8000	106	96.8	3	164	153
Grey seal	25000	61	52.8	3	176	165

Decommissioning Noise levels

At the end of the fifty-year life span of the Gwynt y Môr Wind Farm, the structures and offshore installations of the wind farm will be decommissioned. As a worst-case scenario in terms of noise generating activities it has been assumed that all the wind farm structures would be removed at the seabed. Due to advances in technology, which will inevitably occur during this time span, it is difficult to predict how this would occur but current thinking is the use of a water cutting tool to remove the structures at the sea bed and these will then be lifted out using heavy lifting machinery. Explosives would not be considered for use during any stage of the decommissioning phase.

There is currently no data concerning the noise levels generated by such machinery, however, it is expected that such noise levels would be no more than the levels generated from mono-piling of 6m diameter piles. Therefore as the noise levels and impacts generated during the decommissioning phase are considered to be less than the construction phase, as a worst-case scenario the impacts from the construction phase should be used.

4. References

A. D. Heathershaw, P. D. Ward, S. A. S. Jones, R. Rogers, 1997. "Understanding the impact of sonars on the marine environment", *Underwater Bio-Sonar and Bioacoustics Symposium, Proceedings of the Institute of Acoustics 1997, 19 Pt 9:* 51-64,.

Peter D. Ward, Marcus K. Donnelly, A. D. Heathershaw, S. A. S. Jones, 1998. "Acoustic modelling of pulse propagation for environmental impact assessment", *Proceedings of the 4th European Conference on Underwater Acoustics*, 217-222, Ed. A. Alippi, G. B. Canelli, Rome 1998.

Peter D. Ward, Marcus K. Donnelly, A. D. Heathershaw, S. G. Marks, S. A. S. Jones, 1998. "Assessing the impact of underwater sound on marine mammals", Seismic and Marine Mammals Workshop Proceedings, http://smub.st-and.ac.uk/seismic/seismicintro.htm, Ed. M. L. Tasker, C. Weir, London 1998.

A. D. Heathershaw, R. Rogers, P. D. Ward, S. G. Marks, 1998. "Environmental assessment in support of sonobuoy procurement and operations",. *Proceedings of the 8th International Sonobuoy Interoperability Conference (ISIC) '98,* 1-59 - 1-75, MoD(PE) Abbey Wood, Bristol, UK. 1998.

S. J. Parvin, A. D. Heathershaw, A. David, R. Rogers, P. D. Ward, 1999. "The environmental effects of low frequency underwater sound", *Proceedings of the Undersea Defence Technology (UDT Europe 99),* 221-227, Acropolis Convention Centre, Nice, France, Nexus Media Ltd 1999.

P D Ward, 1999. "Predicting the effects of sound exposure on fish, marine mammals and human beings", Presented at the 138th Meeting of the Acoustical Society of America, Ohio, November 1999.

P D Ward, 2001. "The environmental impact of underwater sound", Keynote address at the *2nd Symposium on Underwater Bio-Sonar and Bioacoustics,* Loughborough University, July 2001.

A. D. Heathershaw, P. D. Ward, A. M. David, 2001. "The environmental impact of underwater sound", *2nd Symposium on Underwater Bio-Sonar and Bioacoustics, Proceedings of the Institute of Acoustics 2001, 23 Pt 4*: 1-12, Loughborough University, 2001.

E Clements, P D Ward, E Harland, 2003. "Relating the effects of underwater sound on marine mammals to environmental variability",. To be published in *Marine Mammals and Sound, Proceedings of the 17th Annual Conference of the European Cetacean Society, 2003.*

Mellinger D K, (2002), Ishmael users Guide. ISHMAEL: Integrated System for Holistic Multi-channel Acoustic Exploration and Localization., NOAA Tech. Memo. OAR PMEL-120 (NTIS PB2002-105264), NOAA/Pacific Marine Environmental Lab., Seattle, WA, USA. 26pp.

Howell D., Nedwell J., (2003), Specification for underwater noise and vibration measurement at the North Hoyle offshore wind farm, Subacoustech Report Reference: 569R0102.

FEPA Licence 31579-02-0, Marine Consents and Environmental Unit, Area 3a, Ergon House, 17 Smith Square, London SW1P 3JR, 21 August 2002.

Future Offshore, DTI consultation document, November 2002.

Weston D., 1971, "Intensity range relations in oceanographic acoustics", Journal of sound and Vibration, **18**, 271-287.

5. Appendices

Appendix 1: Trials Equipment List

10mm ball transducer - High frequency (HF) unit (10 kHz - 150 kHz)
20mm ball transducer - Medium frequency (MF) unit (200 Hz - 50 kHz)
80mm ball transducer - Low frequency (LF) unit (10 Hz - 10 kHz)
Depth logger
Lead shot bags (descent weights), lead strip
3x eye bolts
Shock line (2m) – vibration isolate 80mm ball
Suspension rope (50m)
Cable ties
PVC tape
Gaffer tape

Transducer terminal unit (3 way)
Mains lead (IEC-IEC)
3x Deck cable (to extend transducers)
3x Twinax cables (terminal unit to recording system)
HF/MF/LF recorder (PC Based) – PC unit, KVM, 2x mains (IEC-IEC)
HF/MF/LF backup recorder (PC Based) – PC unit, KVM, ADC box, 3x mains (IEC-IEC)
LF Recorder (DAT unit), mains charger unit (battery charger with 13A plug)
50x DAT Tapes
50x DVDs
Active speaker with mains lead (IEC-IEC)

Echo sounder interface box
Mains Lead (IEC-IEC)
RS232 cable (echo sounder to anti-log data compressor)

Depth logger interface unit
Mains lead (IEC-IEC)
RS232 cable (depth logger to anti-log data compressor)
Rope (marked at 2.5m intervals) min 50m (backup depth measurement system)

Hand held GPS with RS232 interface
RS232 cable (GPS to anti-log data compressor)
GPS spare batteries

Anti-log data compressor
Anti-logger
RS232 cable (anti-log data compressor to anti-logger)

Seabed sampler grab
Grab deployment cable/rope

240V generator with isolating transformer and earth system
1x 13A 4 way block

1x 10m 13A extension
3x 13A-IEC cables
3x IEC 6 way blocks (10A rated)
UPS

Sea state charts/pictures
Tide tables (get locally)
Anemometer
Stopwatch (for timing turbine rates)
Compass
Digital Camera (2x personal)
2x Binoculars (1x gyro stabilised)
2x Log books
Pens

2x lifejackets
2x foul weather gear (personal)
2x pairs boots (personal)
4x pairs gloves

Appendix 2: Table of Data Sets Obtained From the Site-specific Sampling

Order	Site	Date-Time	Latitude (N)	Longitude (W)	Comment
1	B4	-050309-121000	53º25'50.2"	003º25'21.8"	Clipped
2	31	-050309-162000	53º32'47.1"	003º32'43.1"	Clipped
3	33	-050309-170000	53º30'56.6"	003º32'40.5"	Clipped
4	34	-050309-174000	53º30'5.7"	003º32'39.8"	Clipped
5	12	-050309-191015	53º27'23.5"	003º32'39.0"	Clipped
6	40	-050309-201000	53º25'6.5"	003º32'34.8"	Clipped
7	B5	-050309-205728	53º24'46.2"	003º35'43.1"	Clipped
8	41	-050309-214016	53º24'11.9"	003º32'36.5"	
9	43	-050309-223000	53º22'22.1"	003º32'35.1"	
10	30	-050309-234000	53º22'10"	003º41'37.3"	
11	28	-050310-002000	53º23'59.8"	003º41'40.3"	
12	27	-050310-005000	53º24'54.3"	003º41'40"	
13	4	-050310-020000	53º27'19.8"	003º46'2"	
14	B6	-050310-030000	53º24'59.2"	003º45'54.7"	
15	1	-050310-035000	53º27'17.3"	003º50'28.8"	
16	3	-050310-043000	53º27'18.4"	003º47'50.2"	
17	B1	-050310-051000	53º29'42.6"	003º46'2.2"	
18	18	-050310-061000	53º32'46.4"	003º41'48.9"	
19	20	-050310-065000	53º30'57.4"	003º41'45"	
20	21	-050310-073000	53º30'6.4"	003º41'45"	
21	23	-050310-080705	53º28'15.2"	003º41'43.2"	
22	7	-050310-084306	53º27'21.4"	003º41'41.1"	
23	25	-050310-092000	53º26'26.1"	003º41'43.8"	Clipped
24	5	-050310-121000	53º27'20.4"	003º44'36.6"	Clipped
25	9	-050310-130000	53º27'21.2"	003º38'5.9"	
26	10	-050310-133000	53º27'22.5"	003º36'16.5"	Clipped
27	36	-050310-141000	53º28'14.4"	003º32'40.8"	
28	12	-050310-144000	53º27'23.5"	003º32'39"	
29	38	-050310-151000	53º26'34"	003º32'37.1"	
30	40	-050310-154000	53º25'6.5"	003º32'34.8"	Repeat 5
31	13	-050310-162000	53º27'24.9"	003º30'15.9"	
32	34	-050310-170000	53º30'5.7"	003º32'39.8"	Repeat 4
33	33	-050310-172000	53º30'56.6"	003º32'40.5"	Repeat 3
34	31	-050310-174630	53º32'47.1"	003º32'43.1"	Repeat 2 Clipped
35	15	-050310-185000	53º27'25.1"	003º26'25.1"	Clipped
36	17	-050310-192000	53º27'25"	003º23'23.5"	
37	B4	-050310-200000	53º25'50.22"	003º25'21.79"	Repeat 1

Appendix 3: Full Data
Site 8
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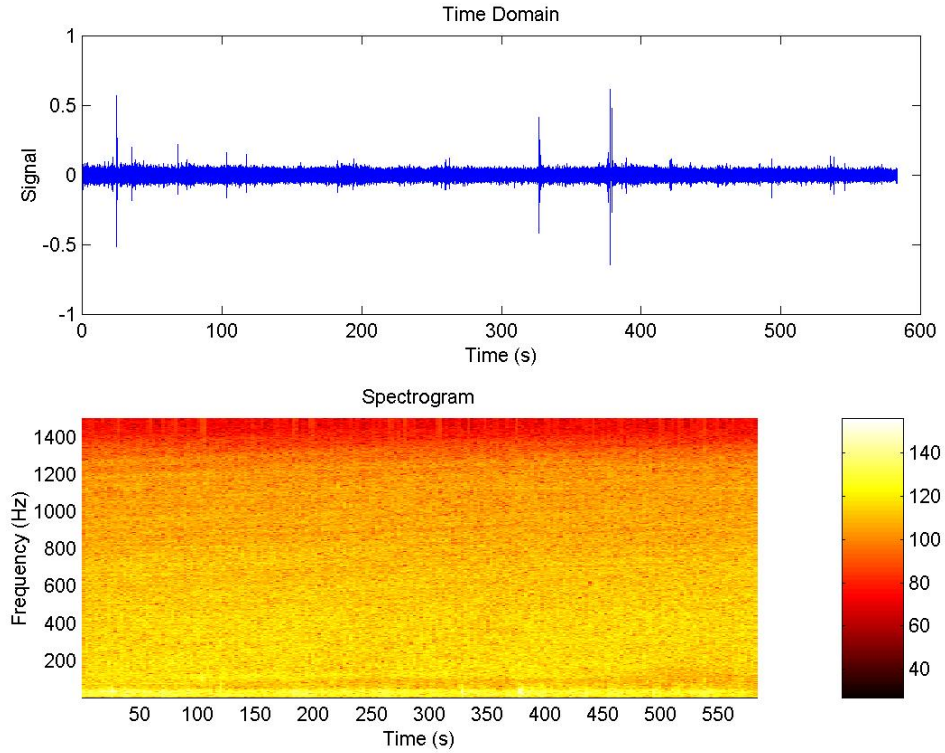
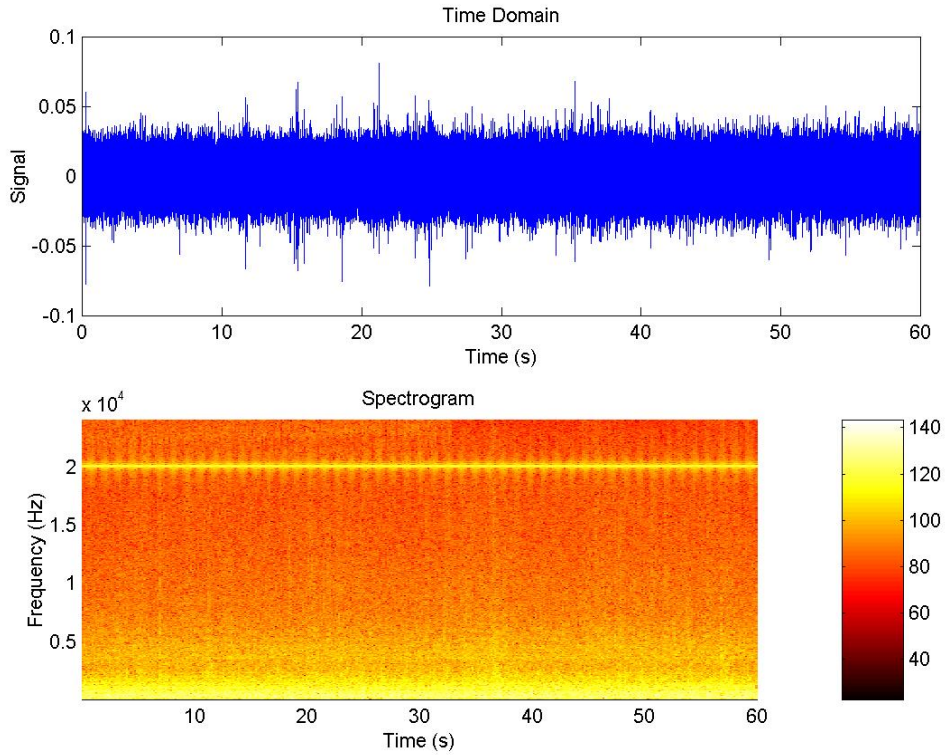
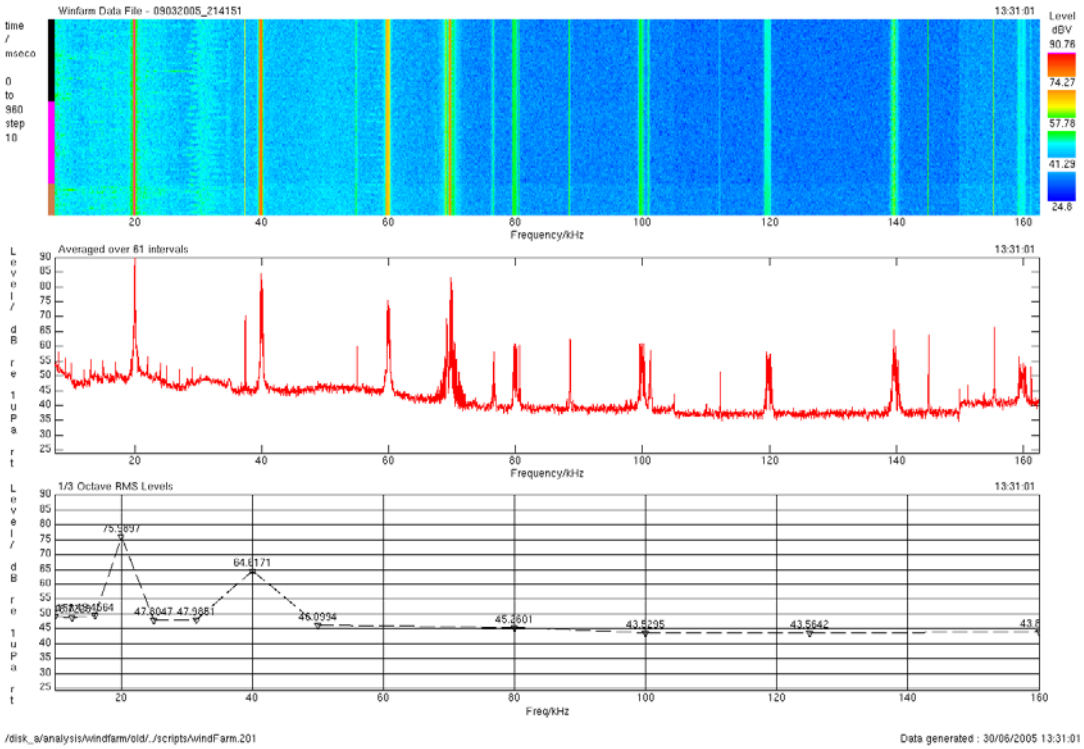


Low frequency data at Site 8



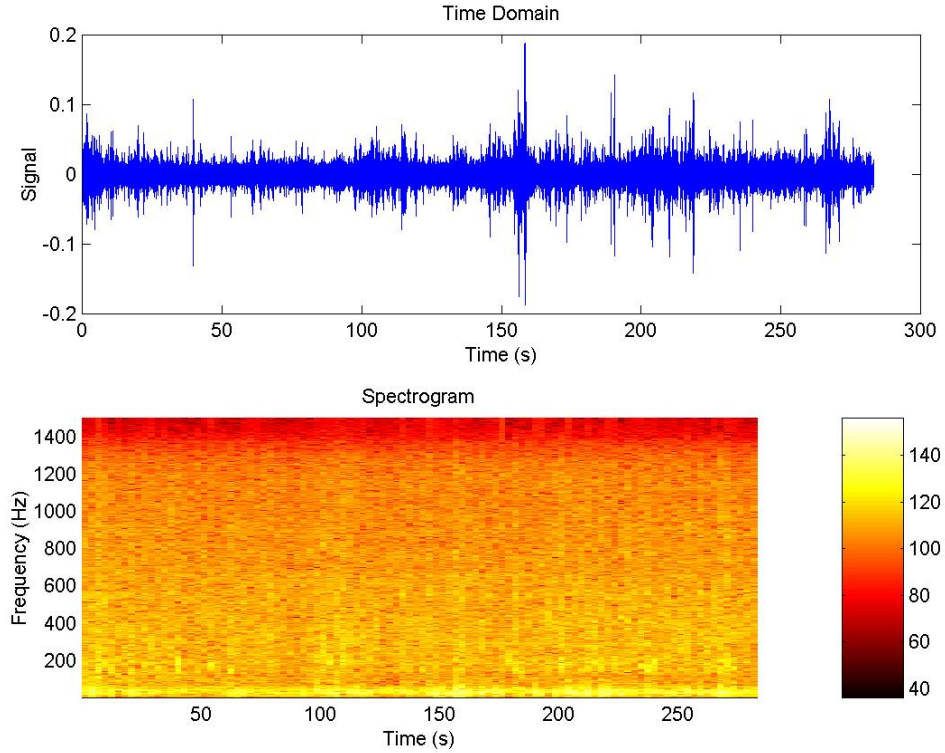
Medium frequency data at Site 8



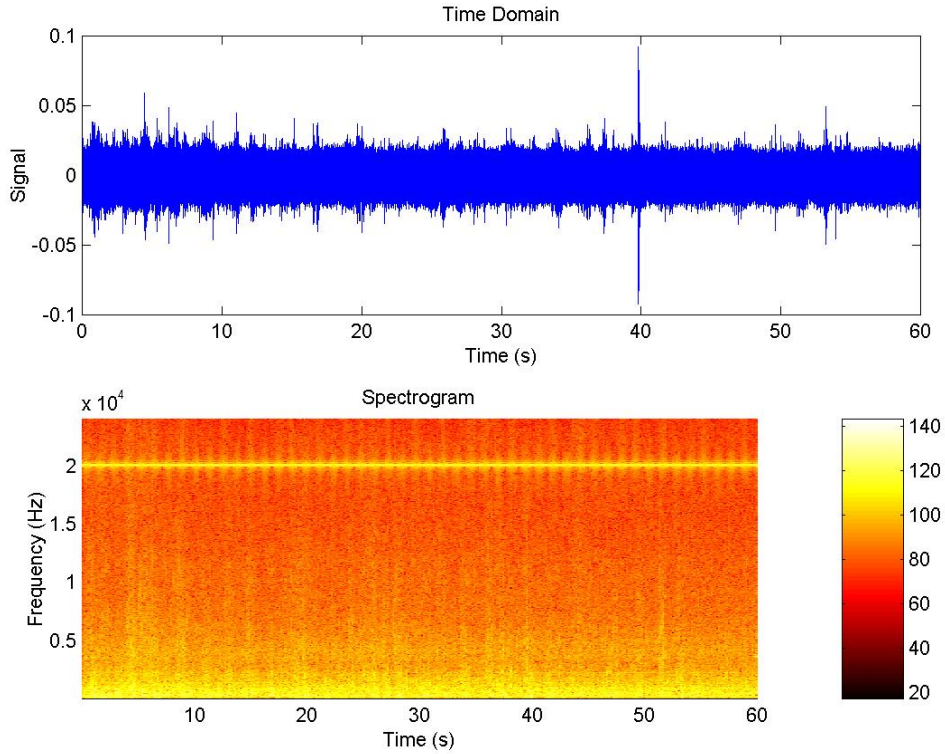
High frequency data at Site 8

SITE 9

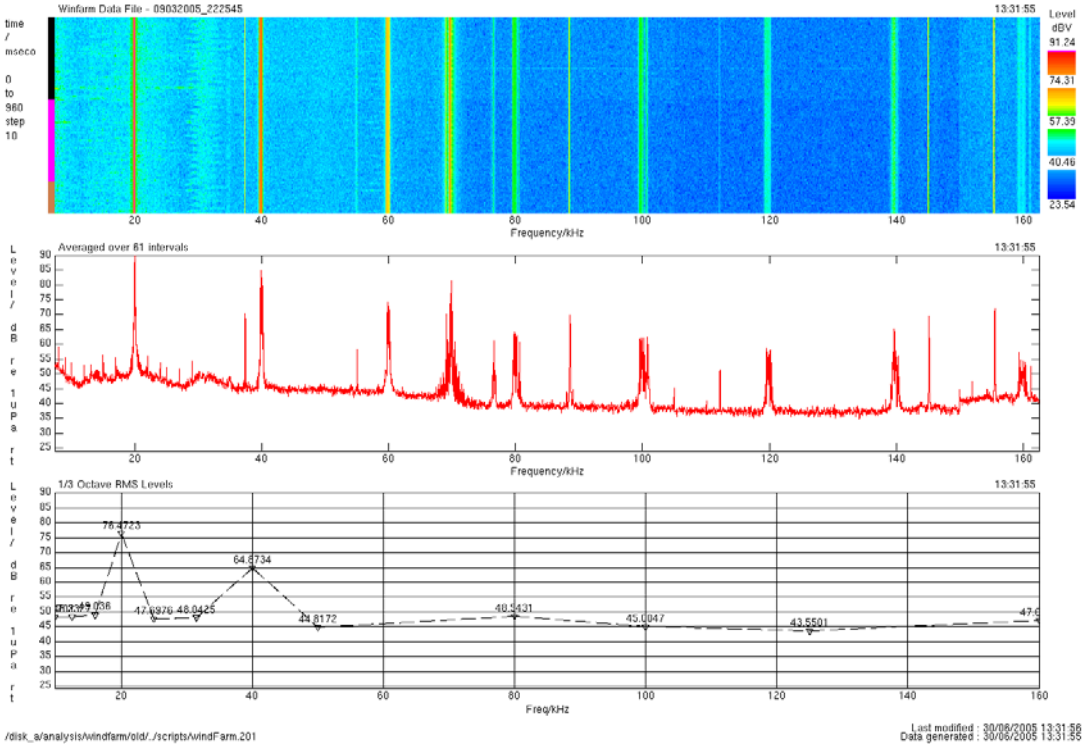
Location: 53º22'22.1"N 003º32'35.1"W 2230 hrs 9 April 2005



Low frequency data at Site 9



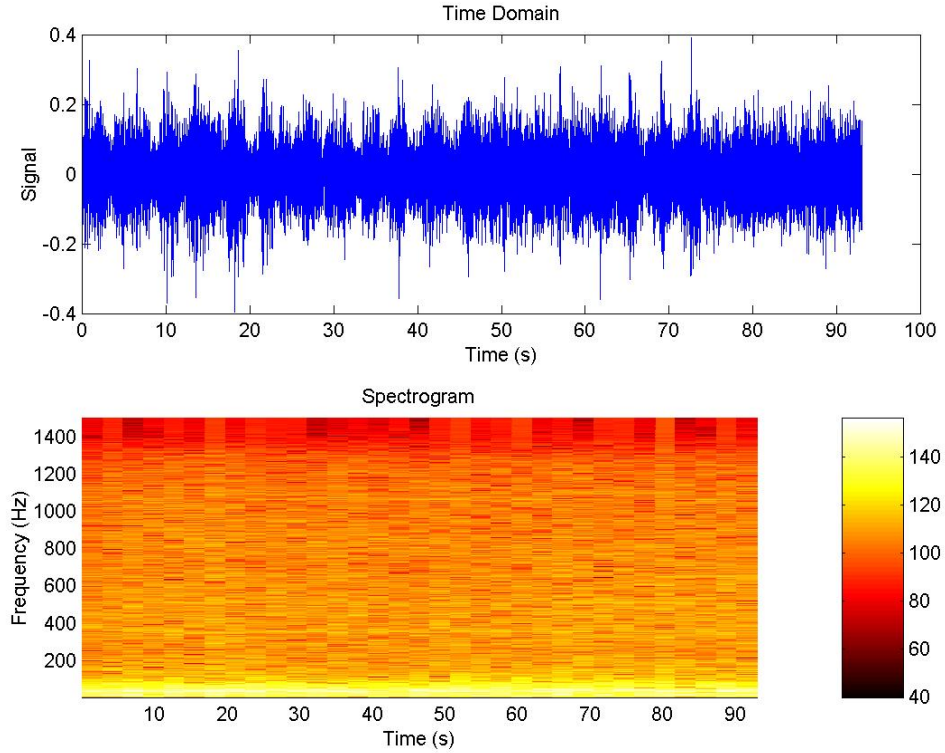
Medium frequency data at Site 9



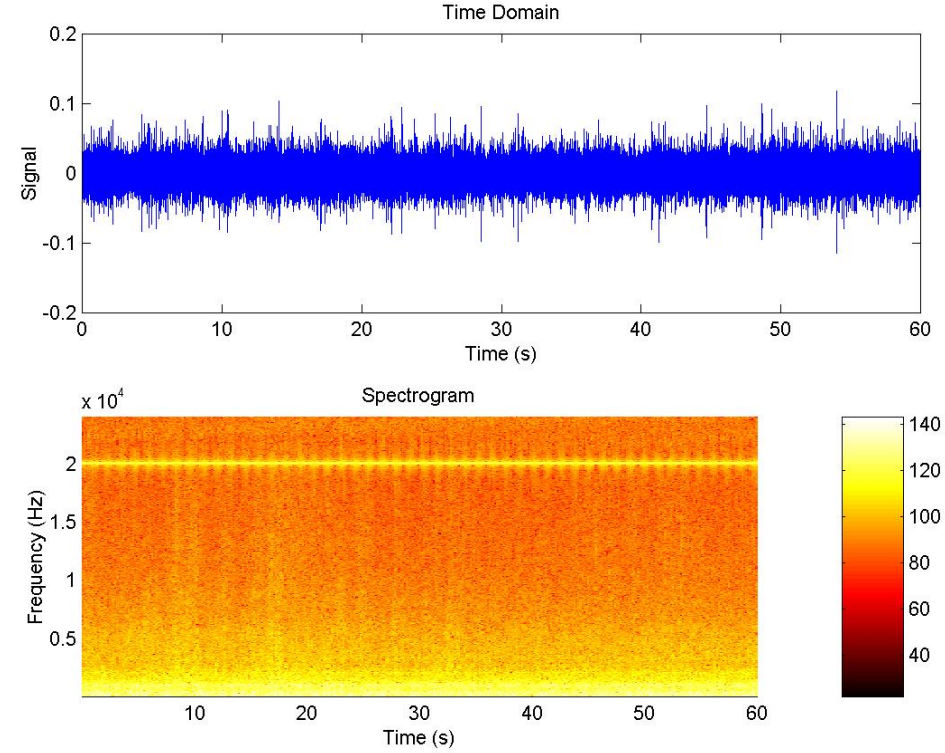
High frequency data at Site 9

SITE 10

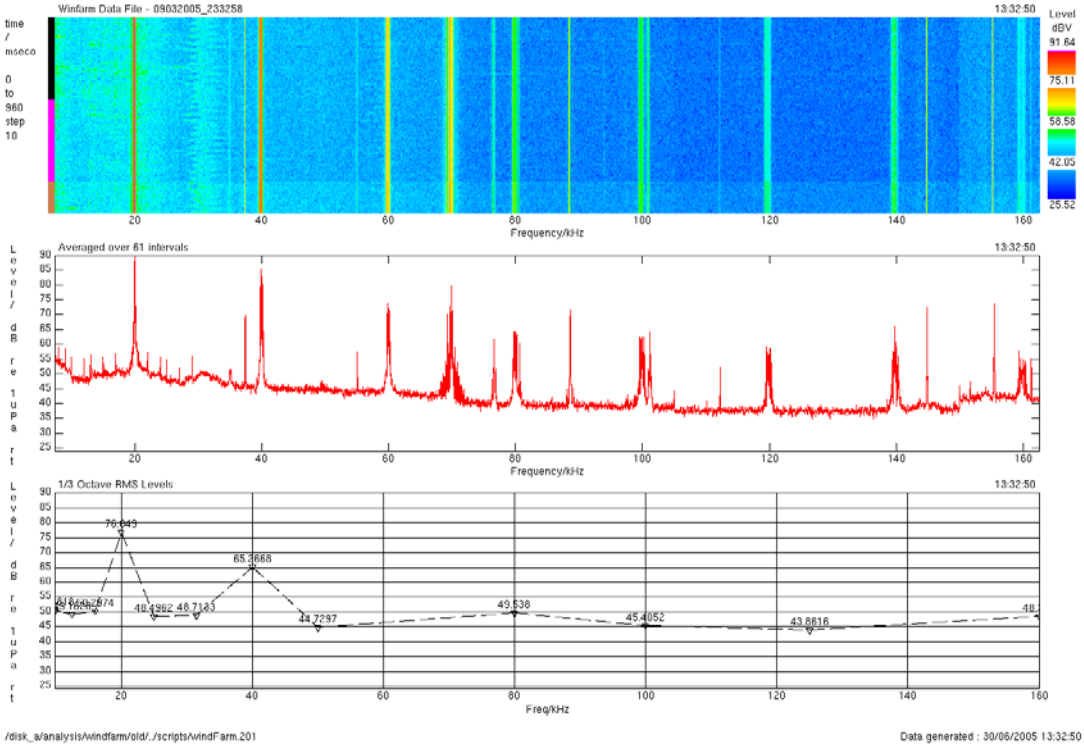
Location: 53º22'10"N 003º41'37.3"W 2340 hrs 9 April 2005



Low frequency data at Site 10



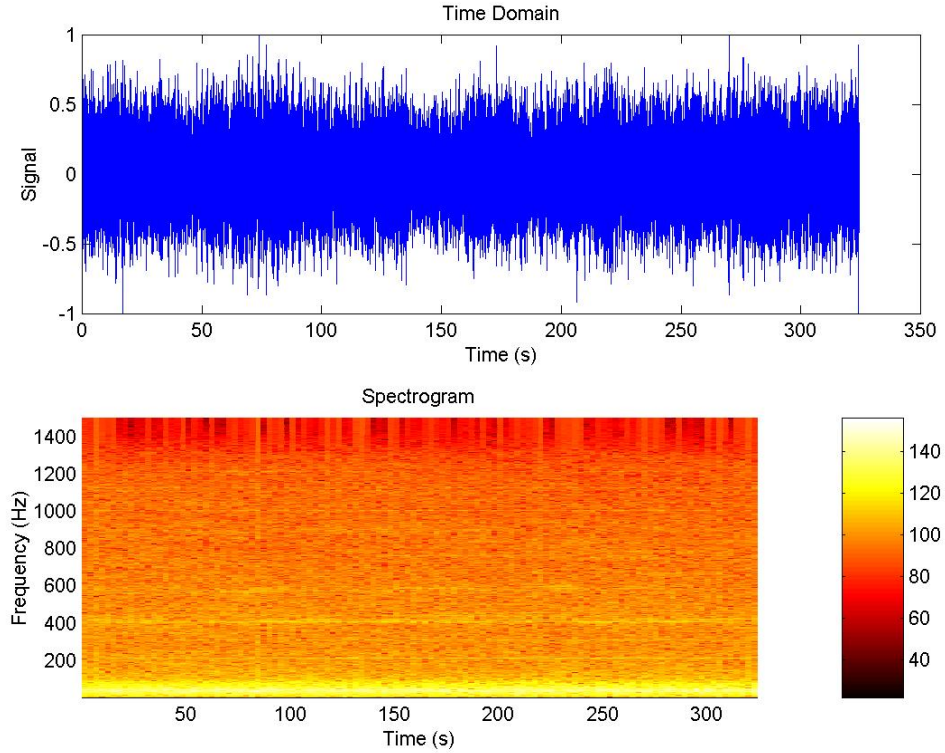
Medium frequency data at Site 10



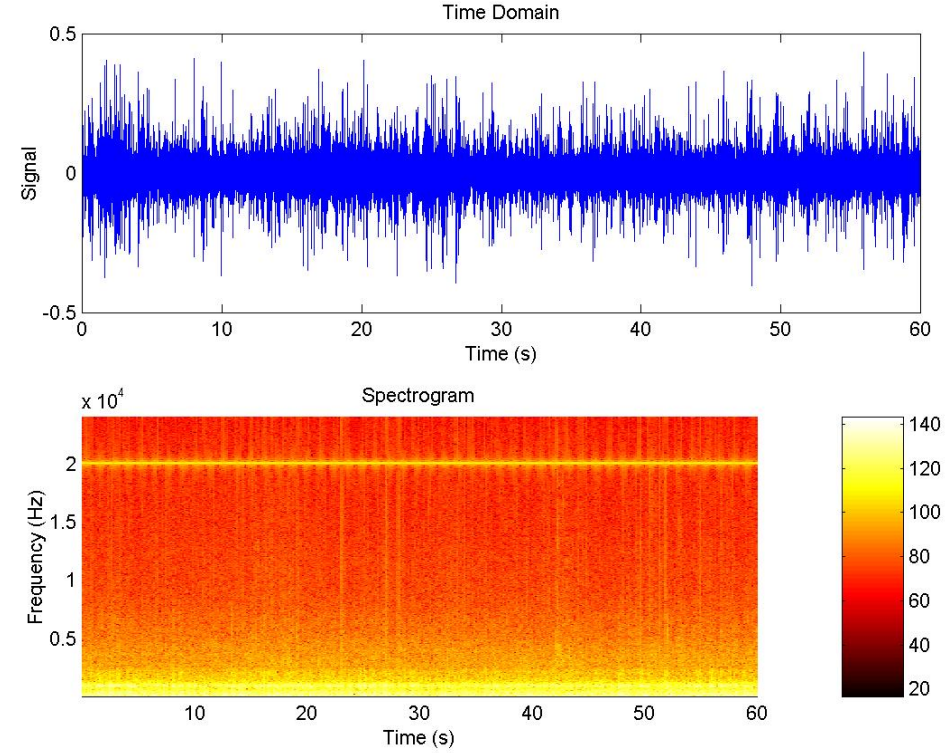
High frequency data at Site 10

SITE 11

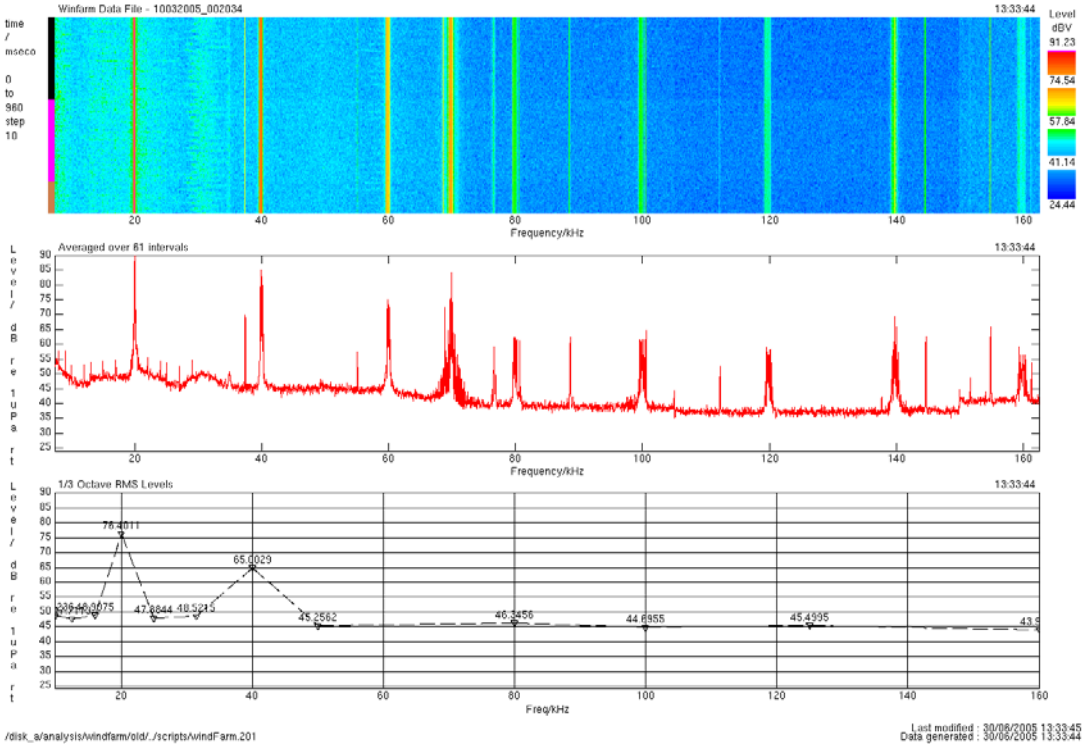
Location: 53º23'59.8"N 003º41'40.3"W 0020 hrs 10 April 2005



Low frequency data at Site 11



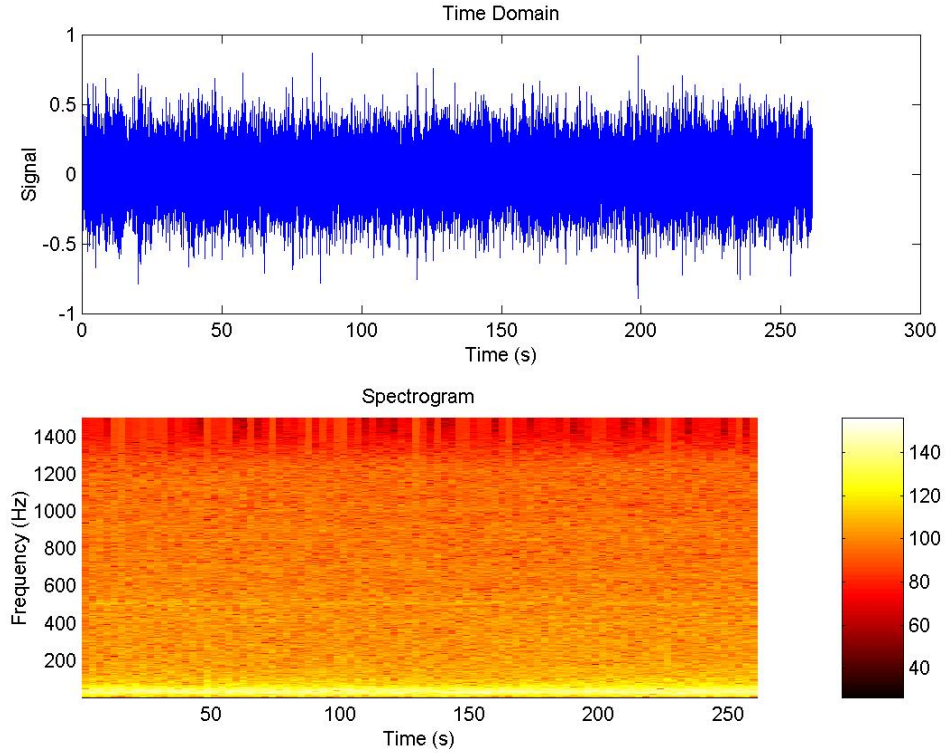
Medium frequency data at Site 11



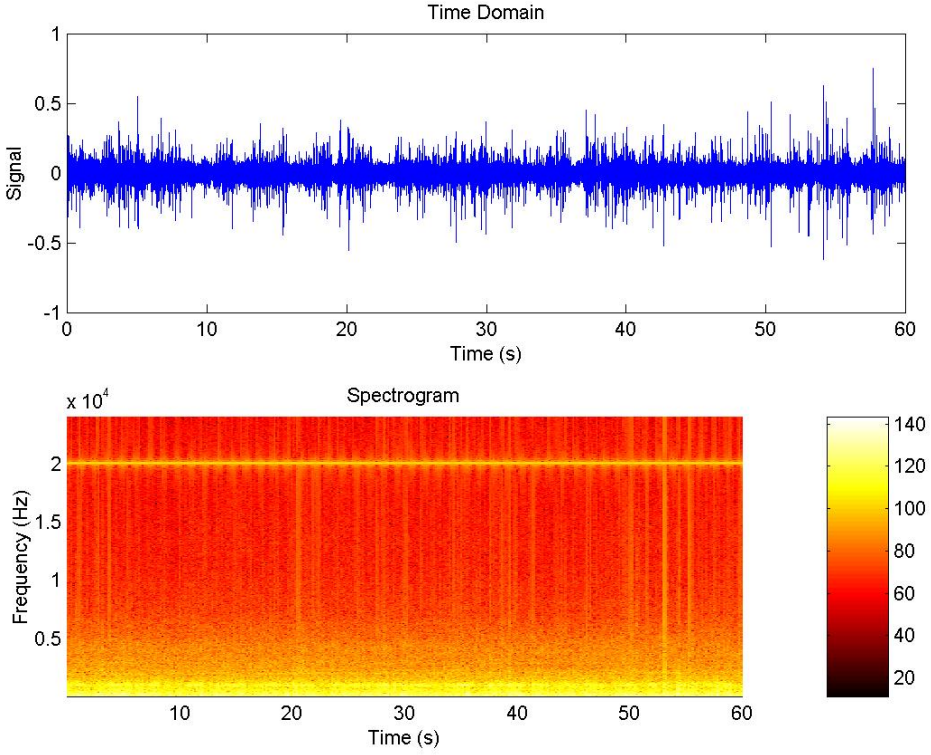
High frequency data at Site 11

SITE 12

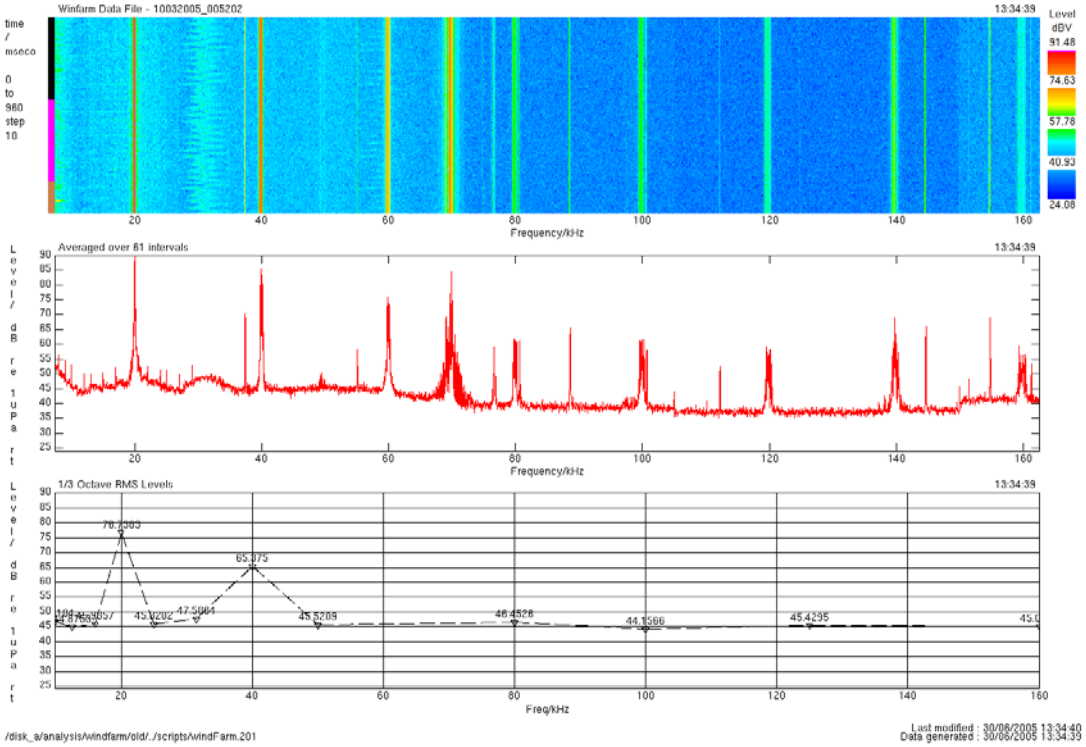
Location: 53º24'54.3"N 003º41'40"W 0050 hrs 10 April 2005



Low frequency data at Site 12



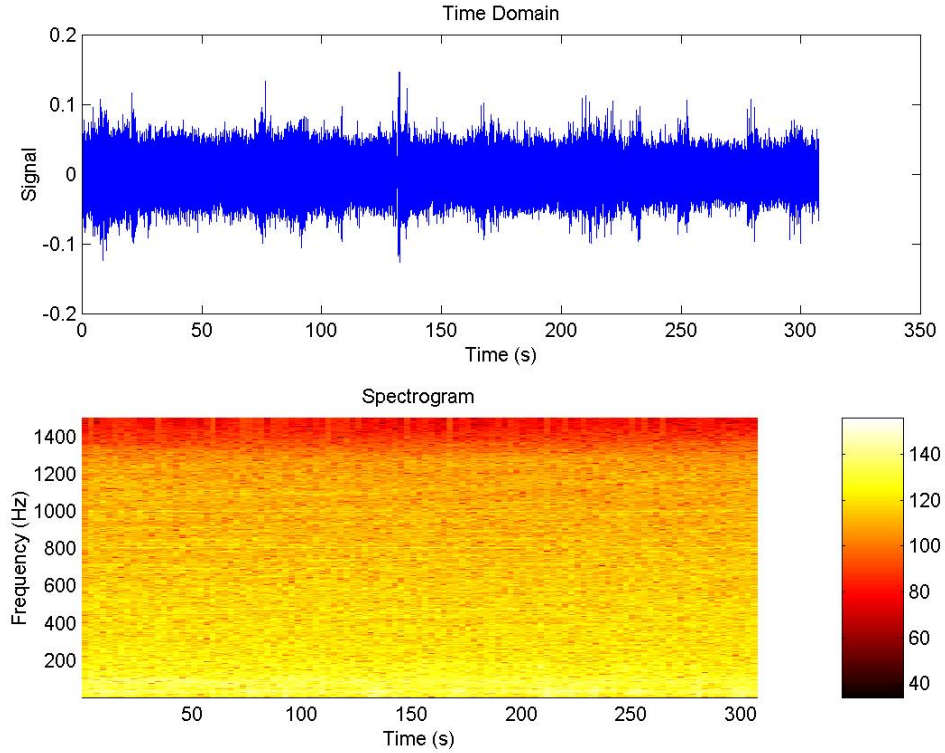
Medium frequency data at Site 12



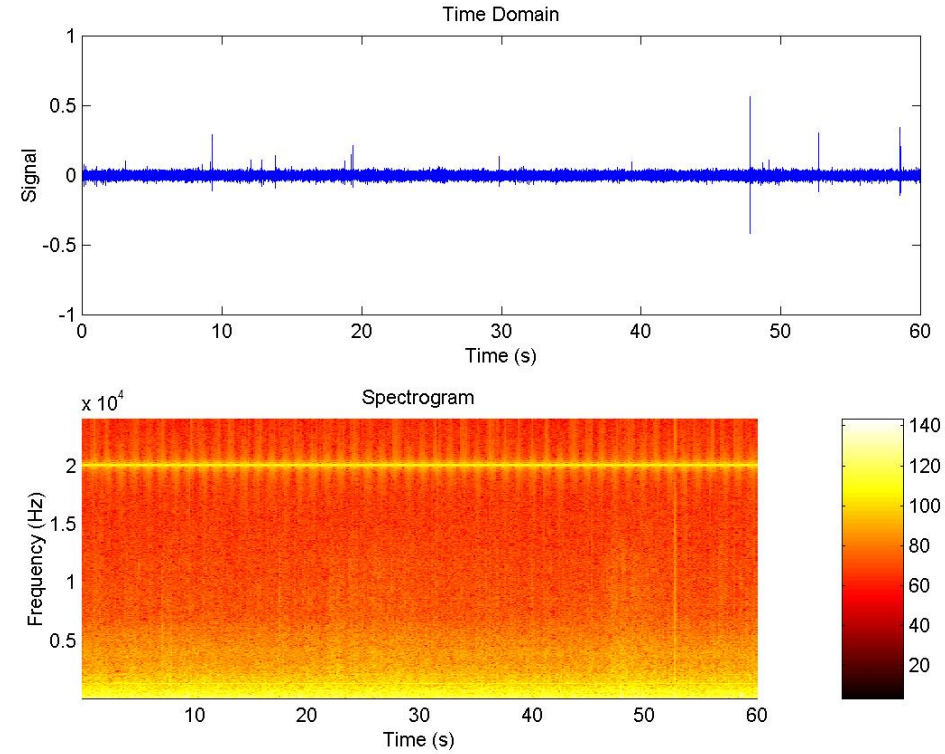
High frequency data at Site 12

SITE 15

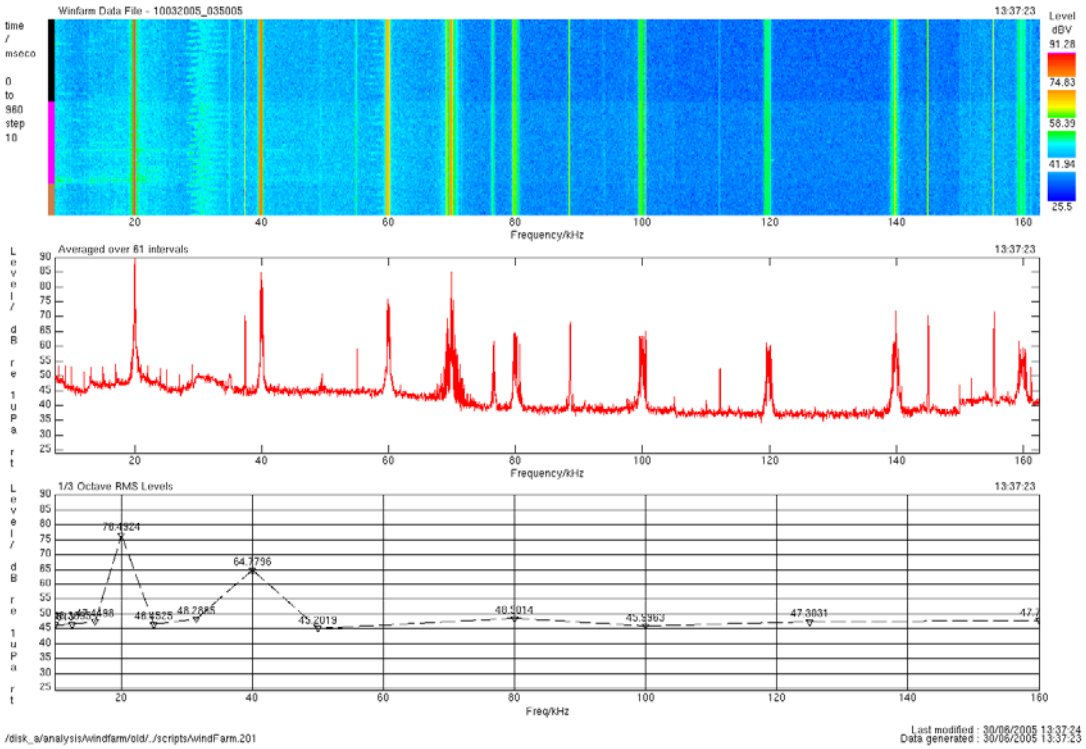
Location: 53º27'17.3" 003º50'28.8" 0350 hrs 10 April 2005



Low frequency data at Site 15



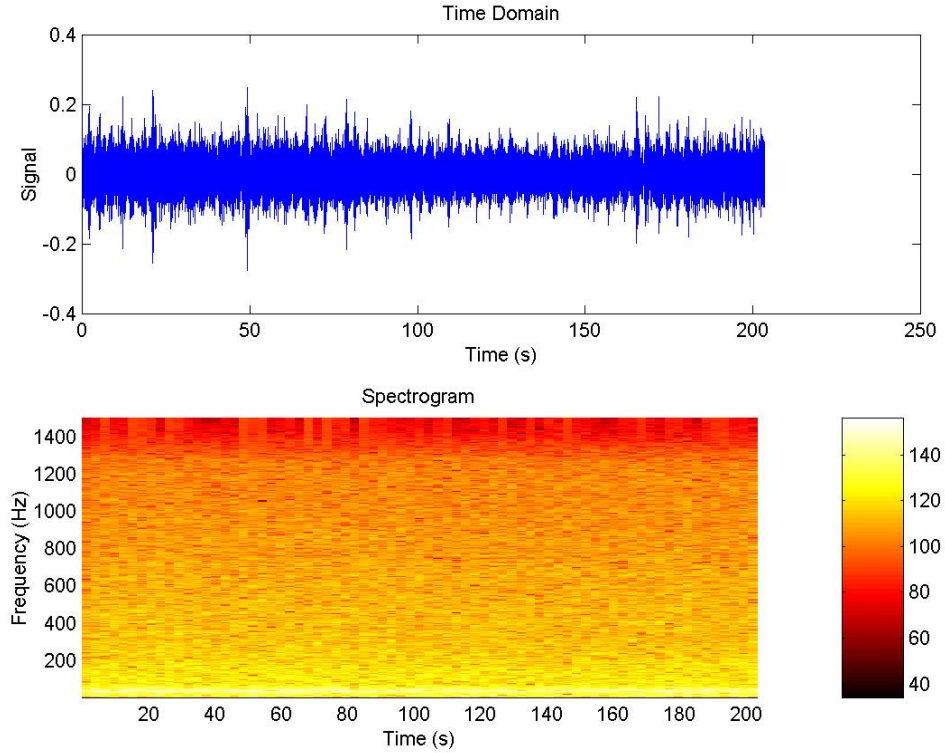
Medium frequency data at Site 15



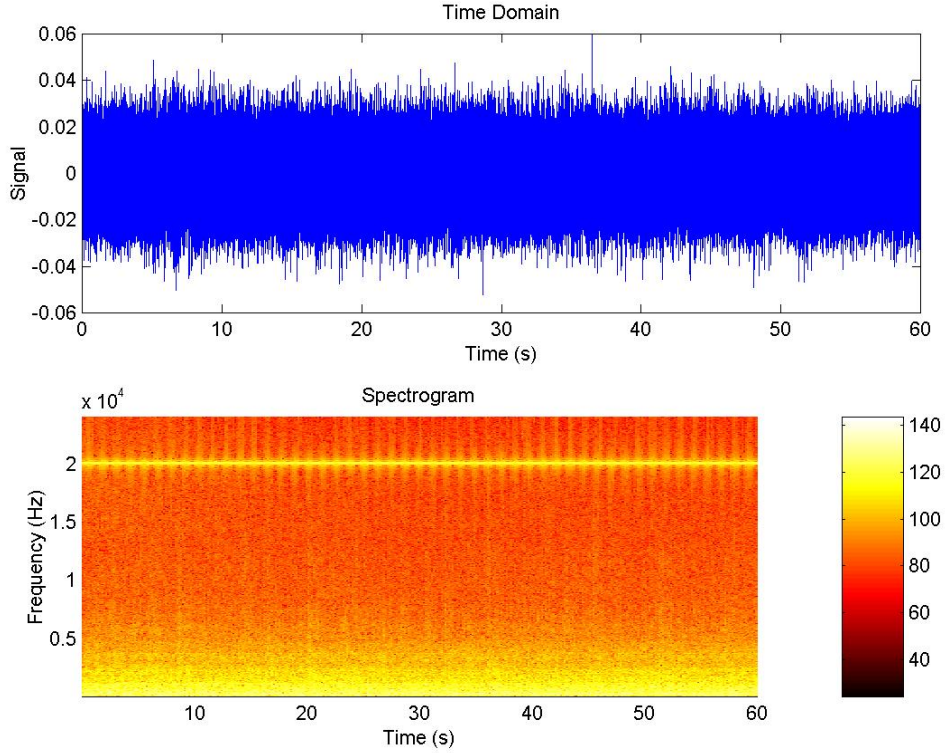
High frequency data at Site 15

SITE 16

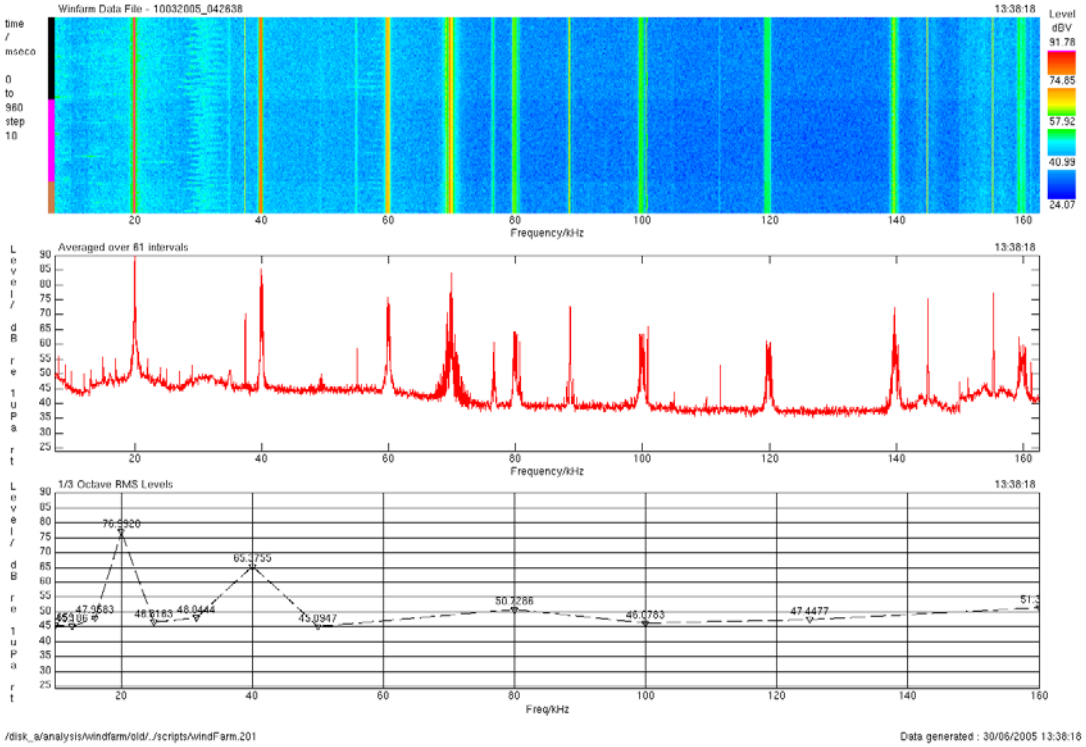
Location: 53º27'18.4"N 003º47'50.2"W 0430 hrs 10 April 2005



Low frequency data at Site 16



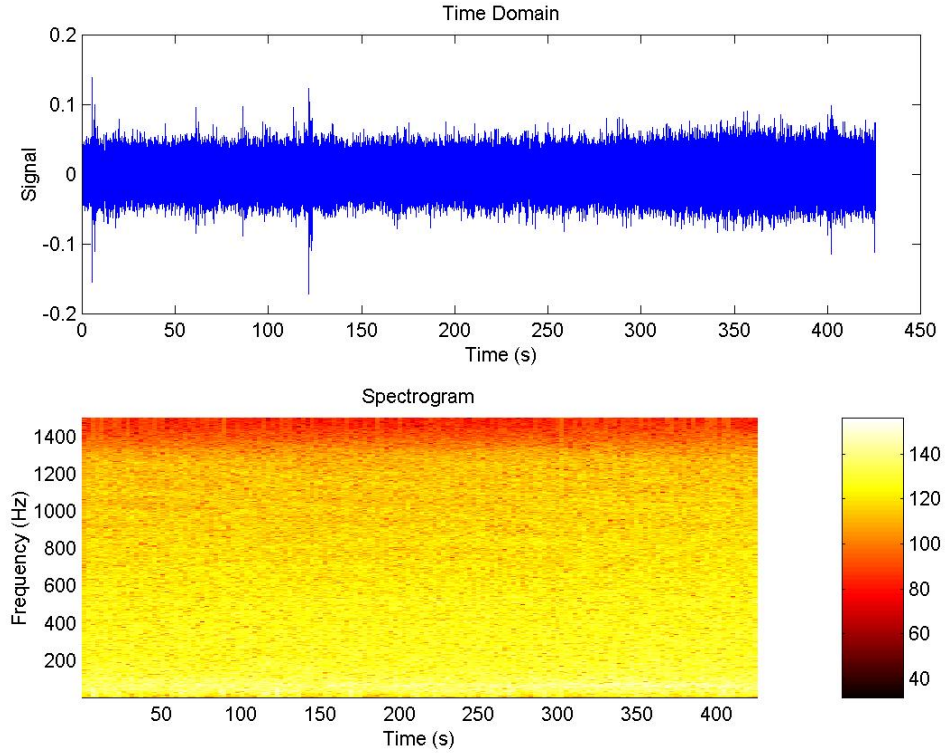
Medium frequency data at Site 16



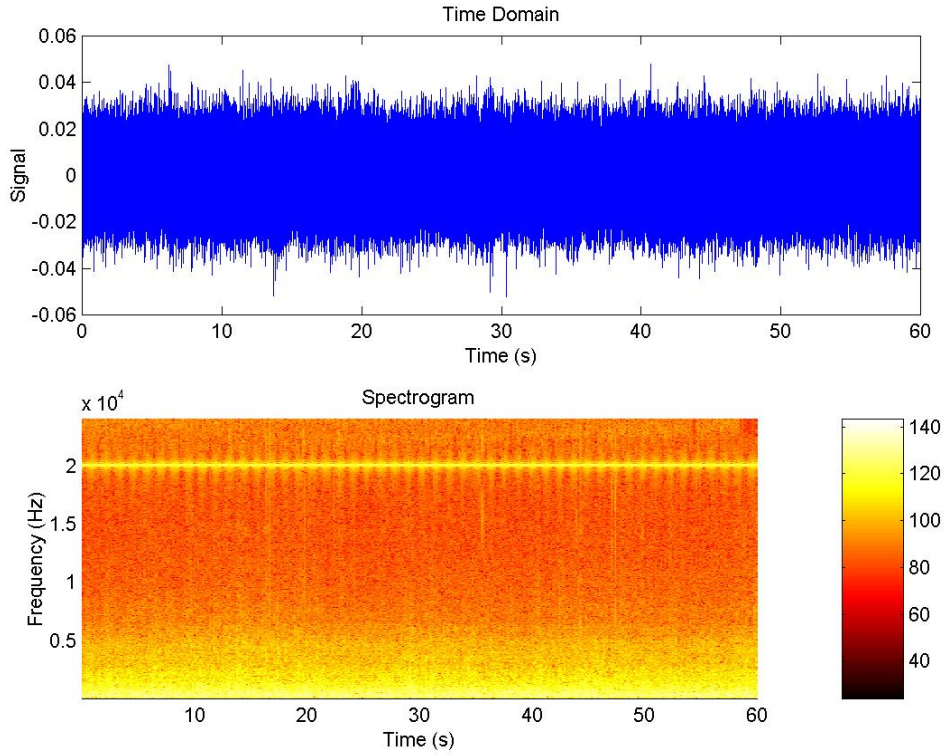
High frequency data at Site 16

SITE 17

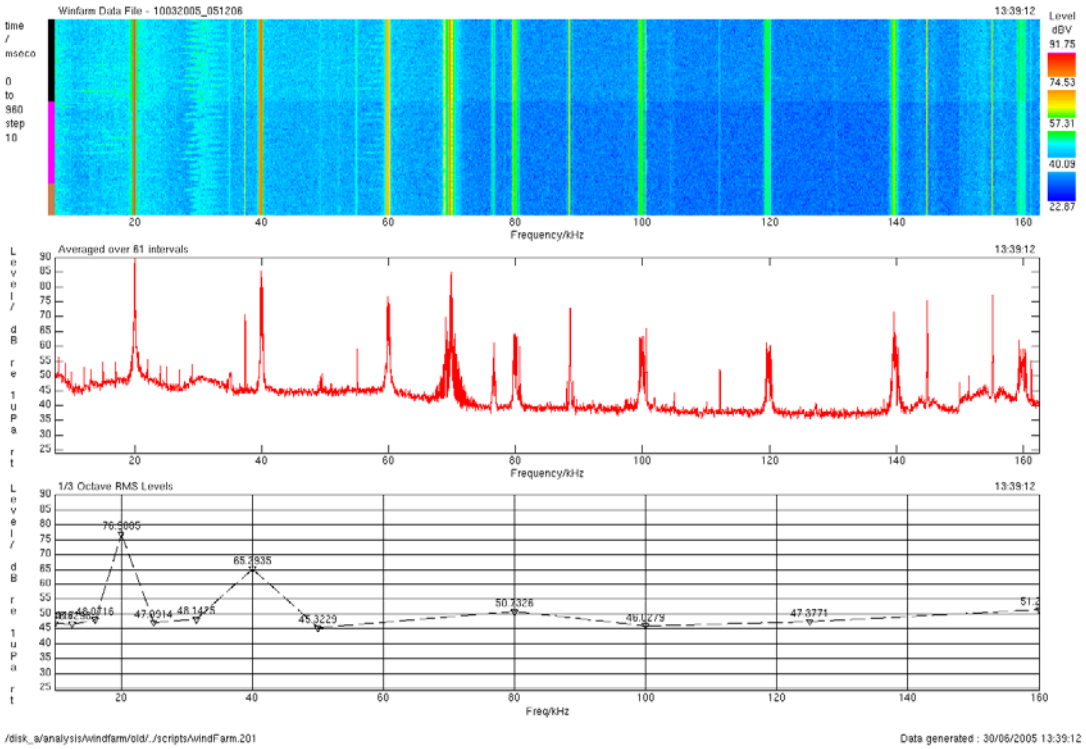
Location: 53º27'18.4"N 003º47'50.2"W 0510 hrs 10 April 2005



Low frequency data at Site 17



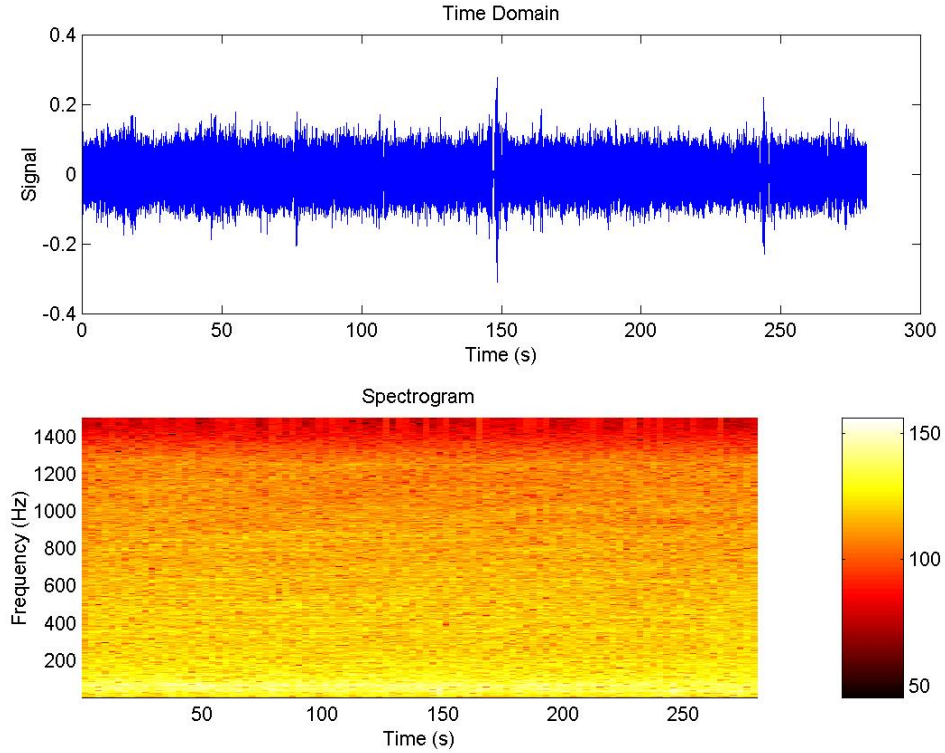
Medium frequency data at Site 17



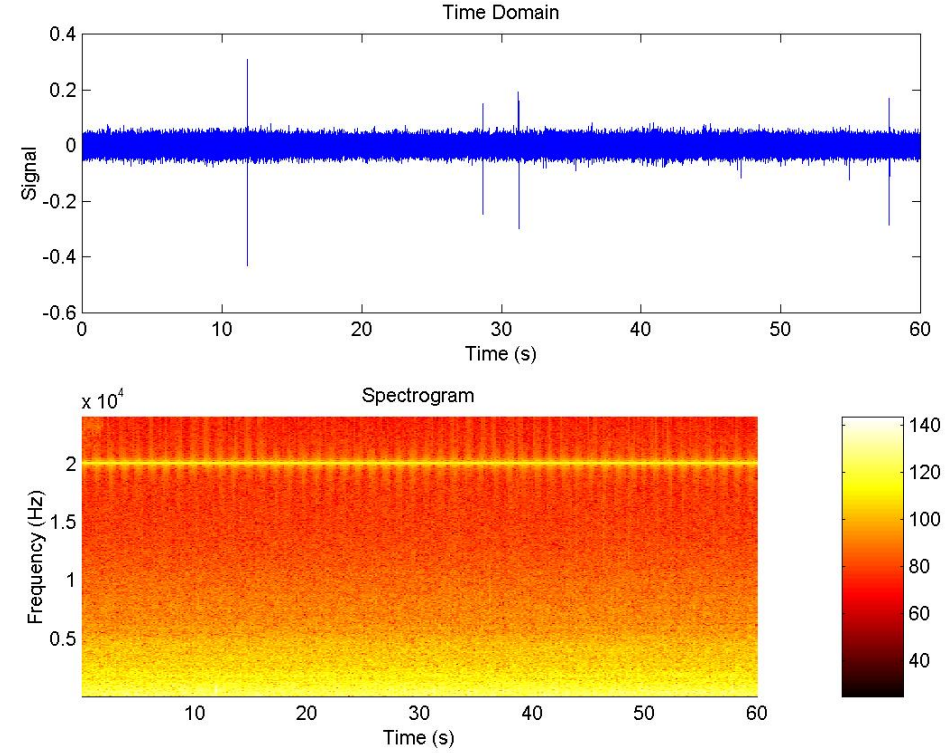
High frequency data at Site 17

SITE 18

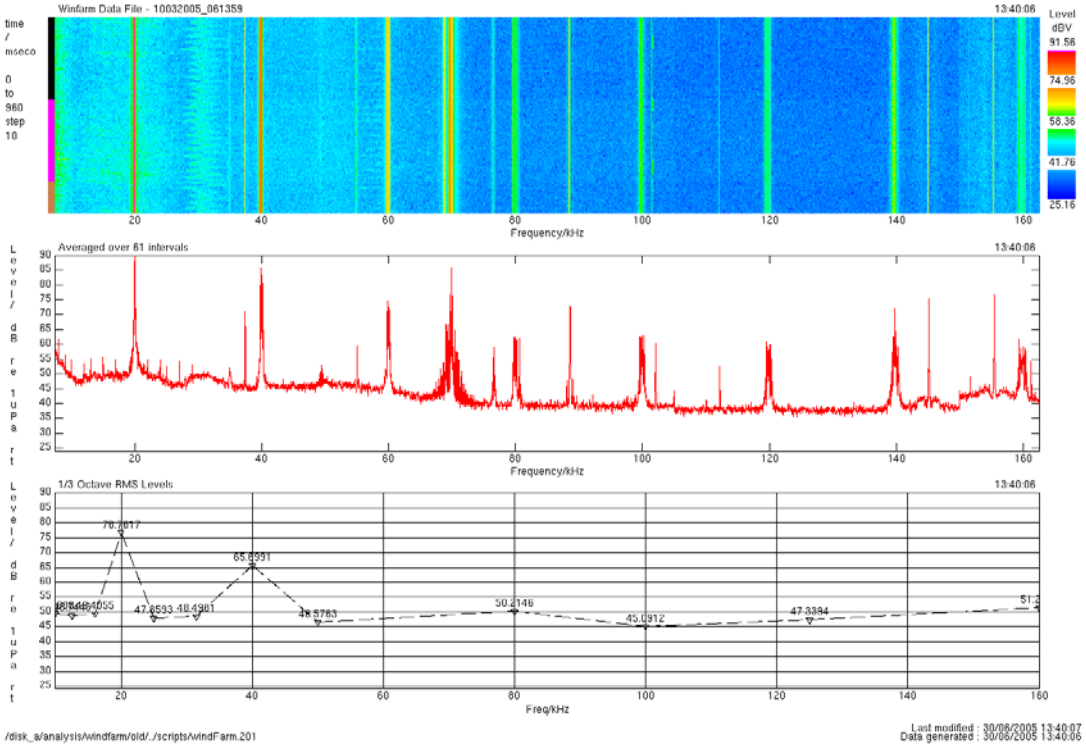
Location: 53º32'46.4" 003º41'48.9"W 0610 hrs 10 April 2005



Low frequency data at Site 18



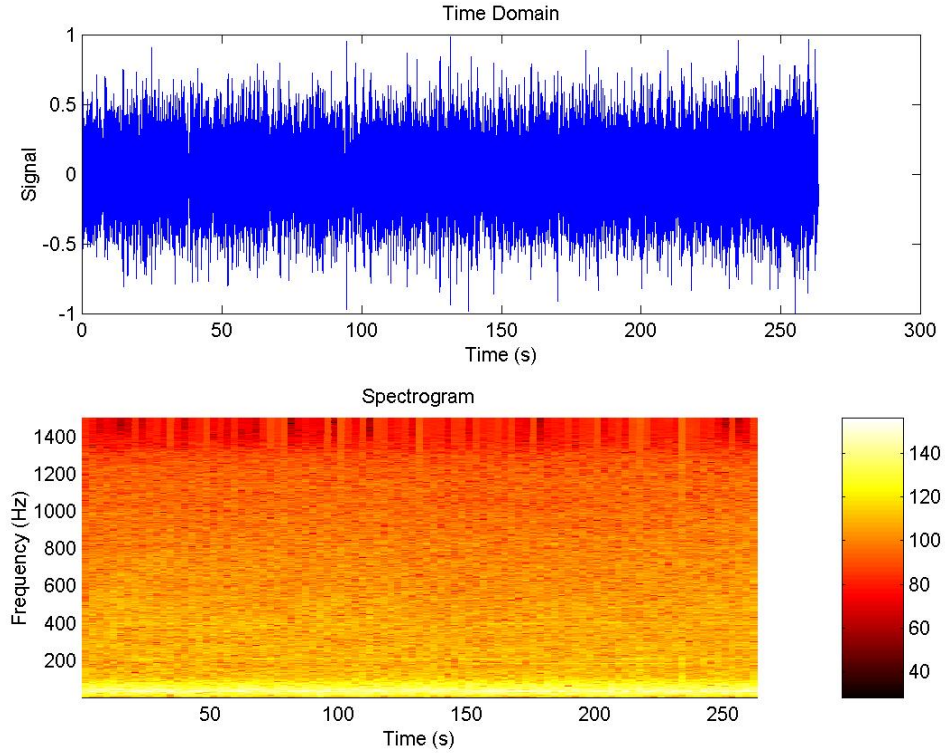
Medium frequency data at Site 18



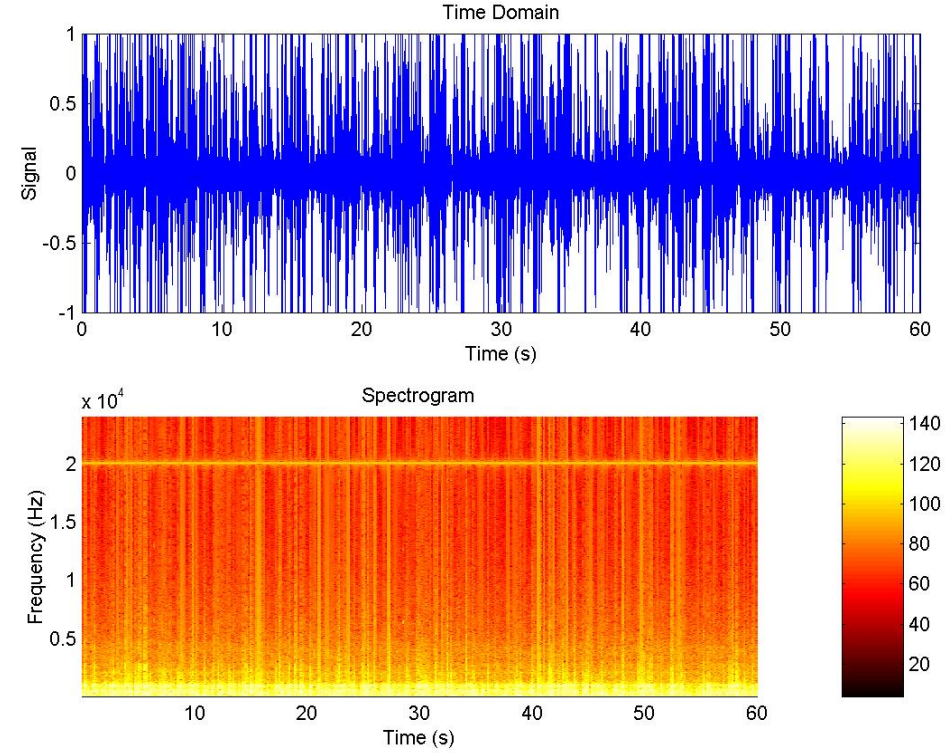
High frequency data at Site 18

SITE 19

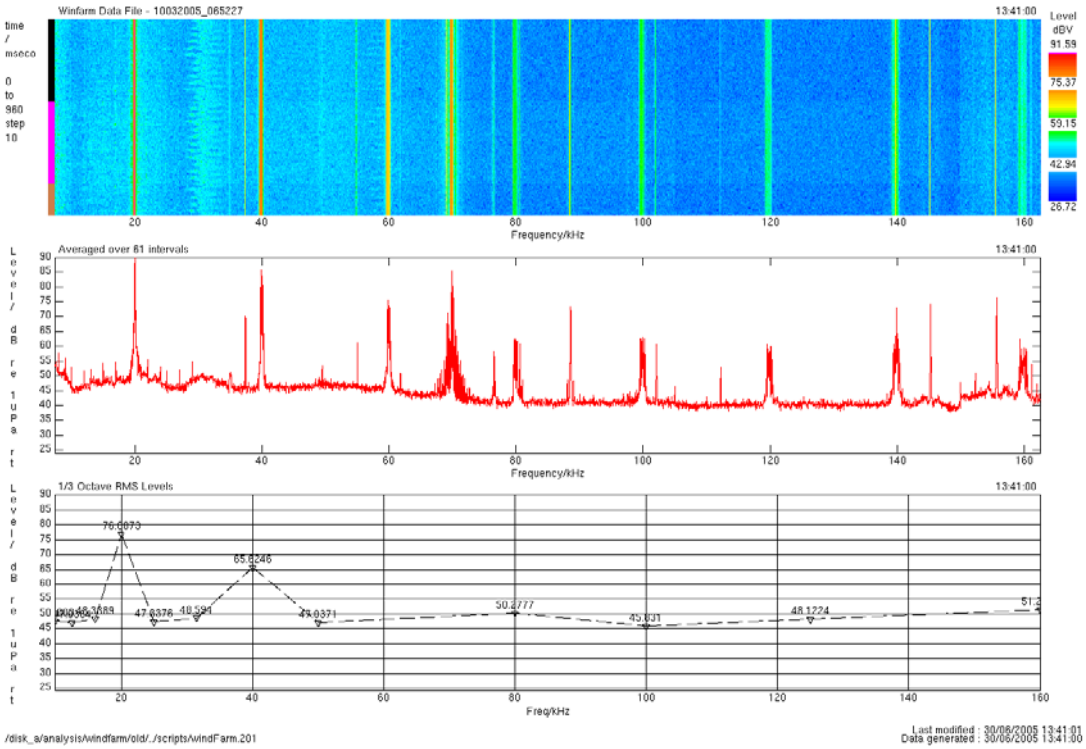
Location: 53º30'57.4"N 003º41'45"W 0650 hrs 10 April 2005



Low frequency data at Site 19



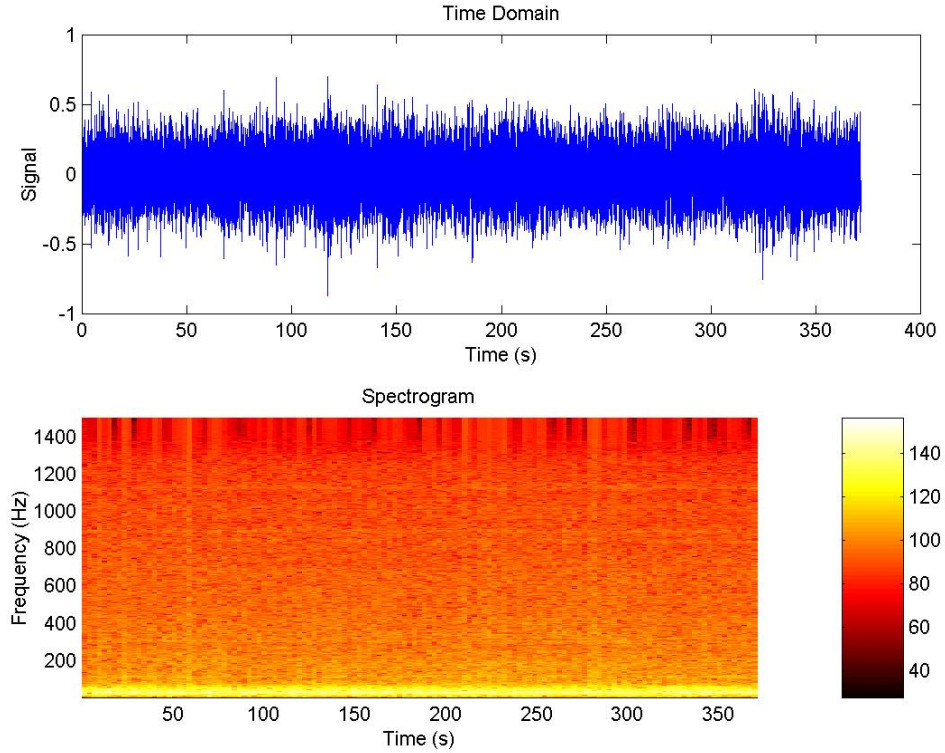
Medium frequency data at Site 19



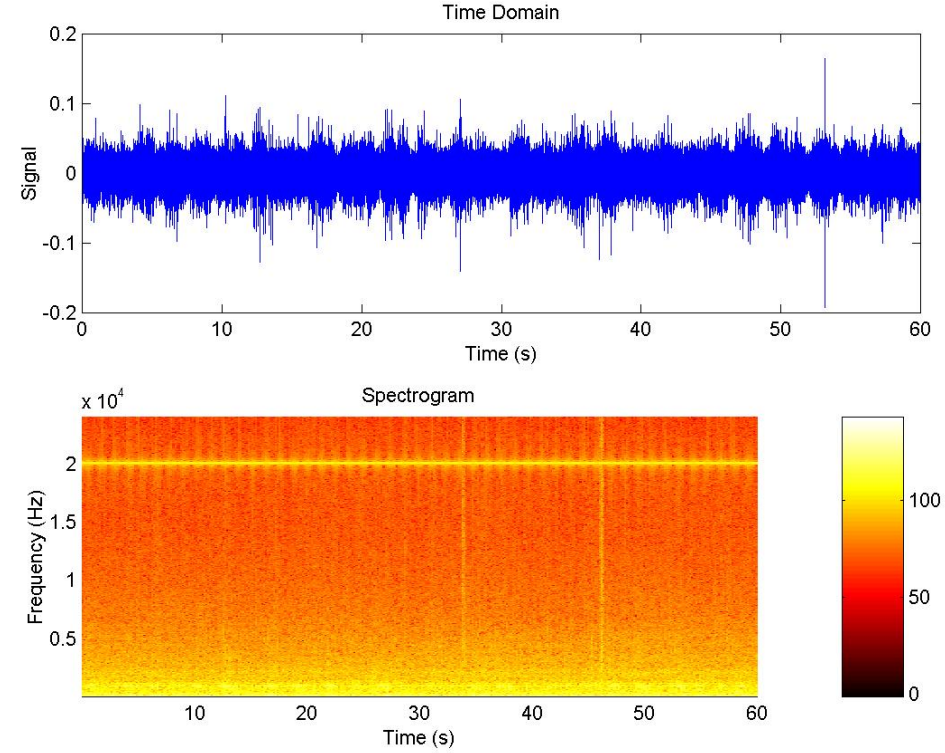
High frequency data at Site 19

SITE 20

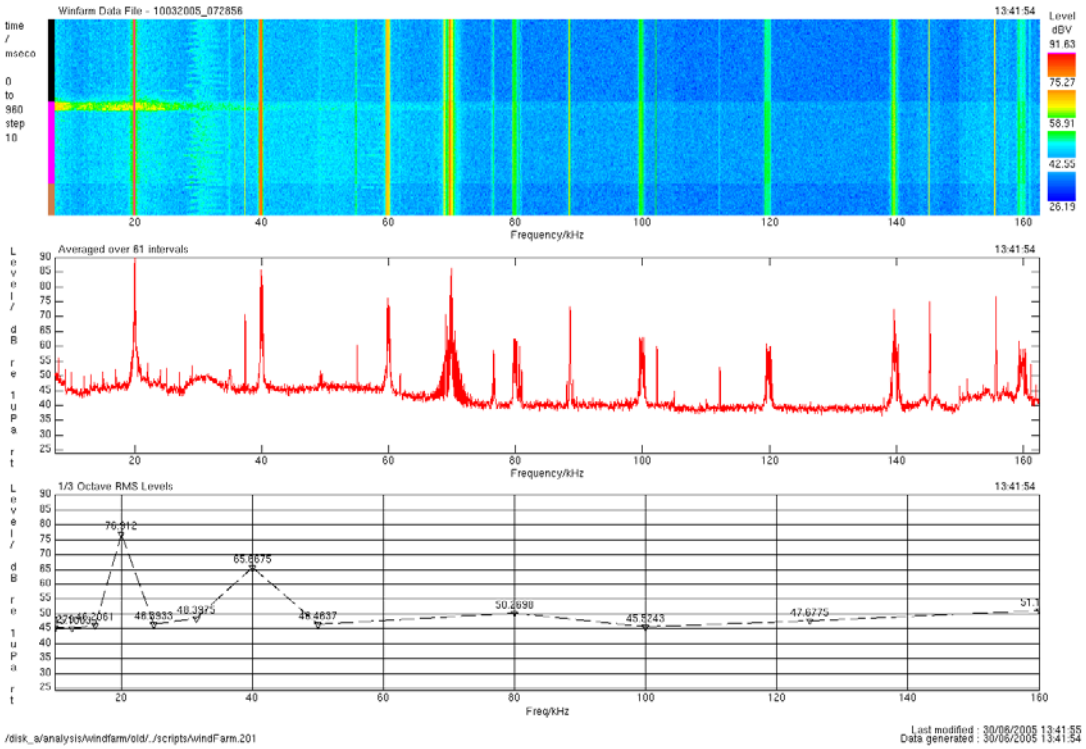
Location: 53º30'6.4"N 003º41'45"W 0730 hrs 10 April 2005



Low frequency data at Site 20



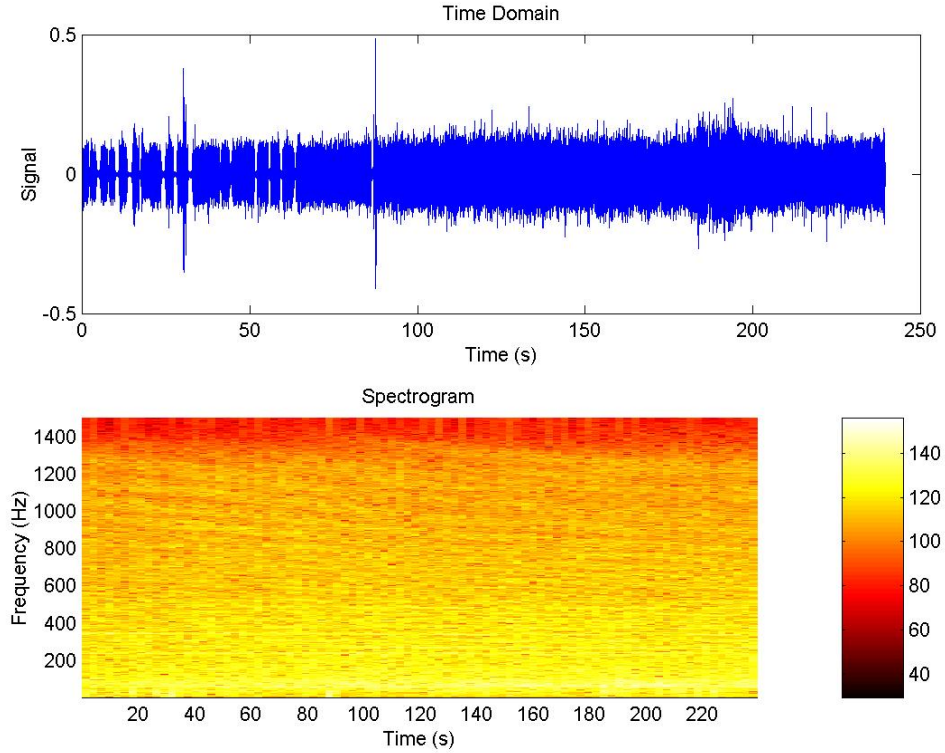
Medium frequency data at Site 20



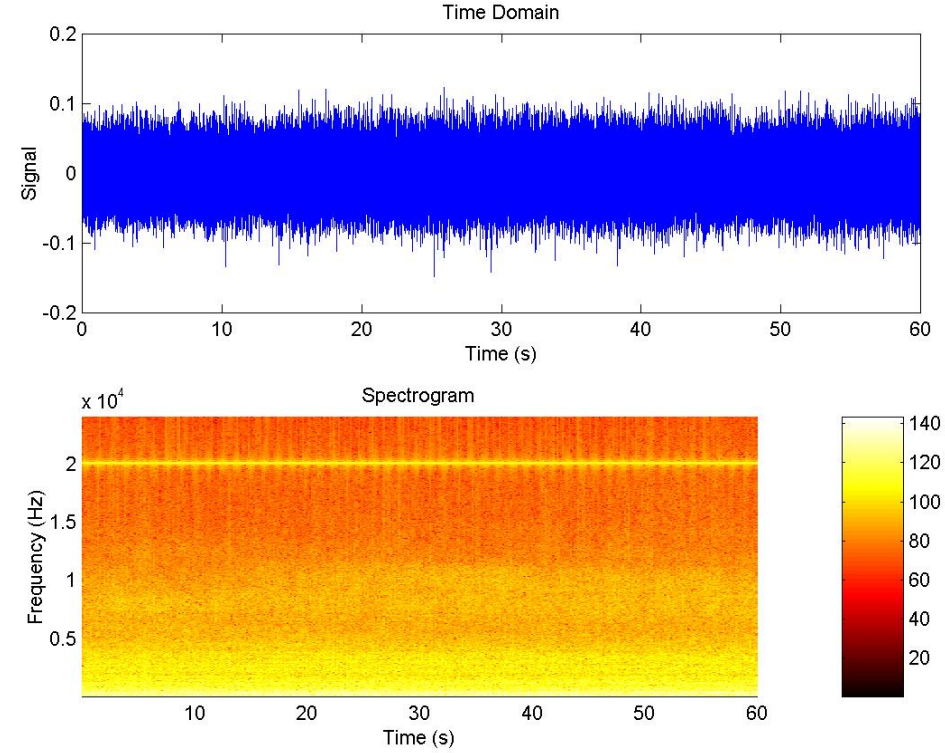
High frequency data at Site 20

SITE 25

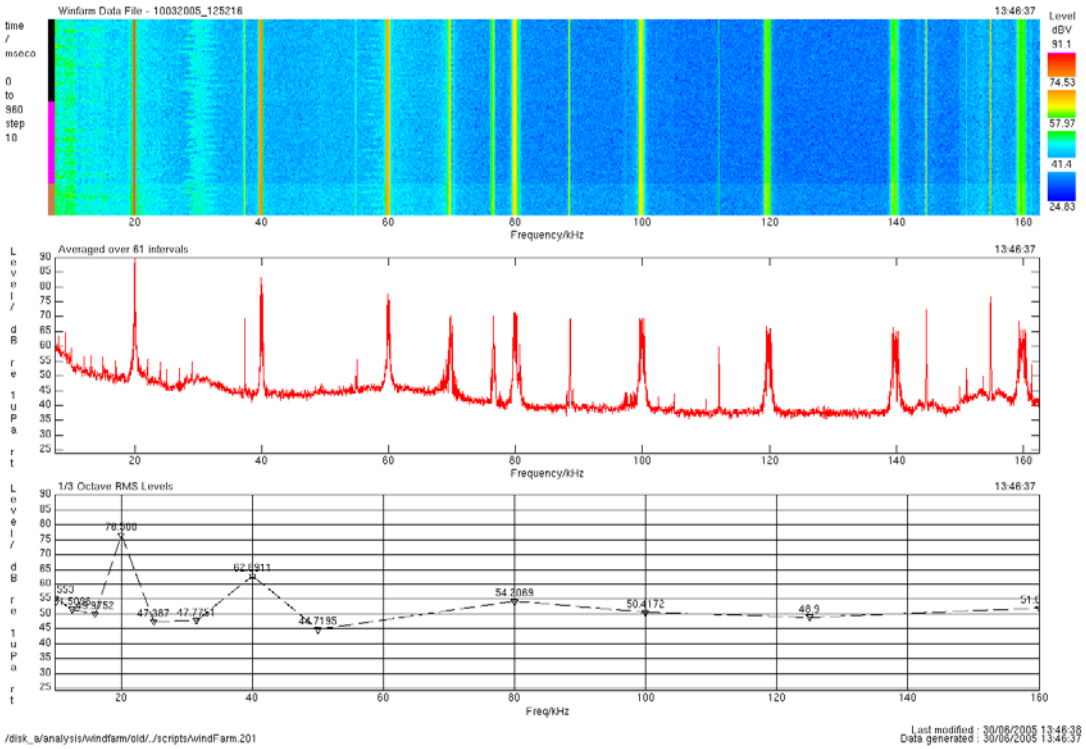
Location: 53º27'21.2"N 003º38'5.9""W 0807 hrs 10 April 2005



Low frequency data at Site 25



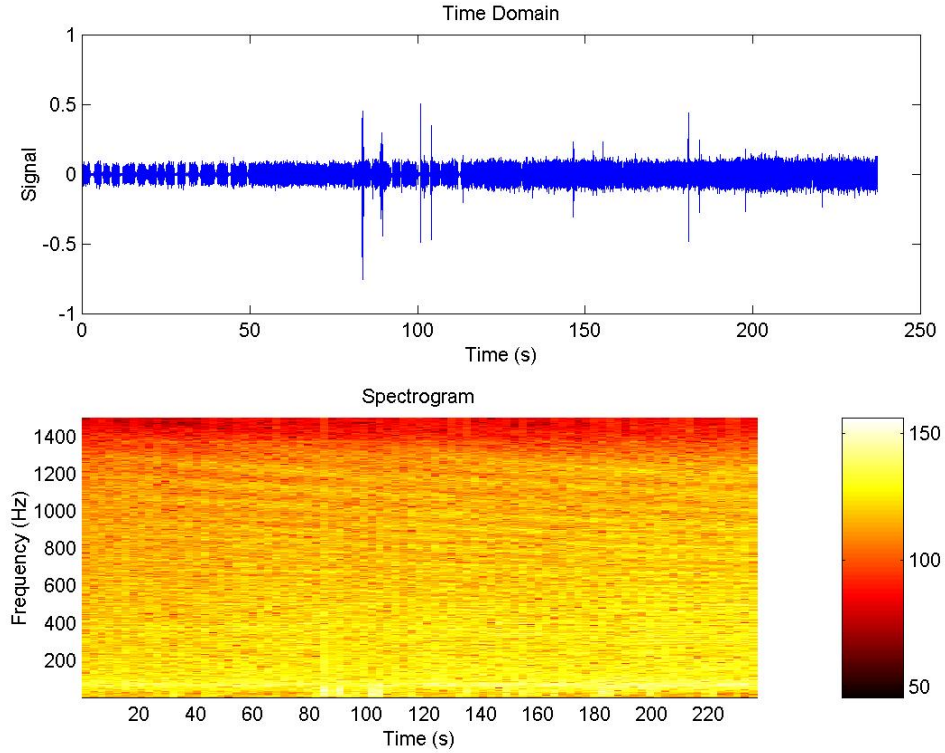
Medium frequency data at Site 25



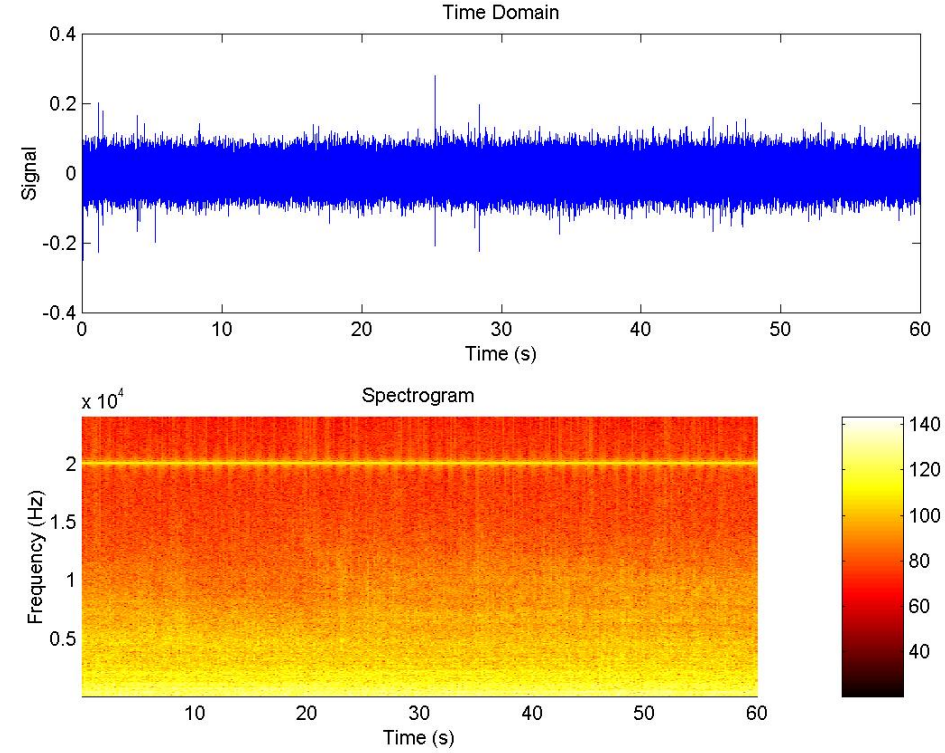
High frequency data at Site 25

SITE 27

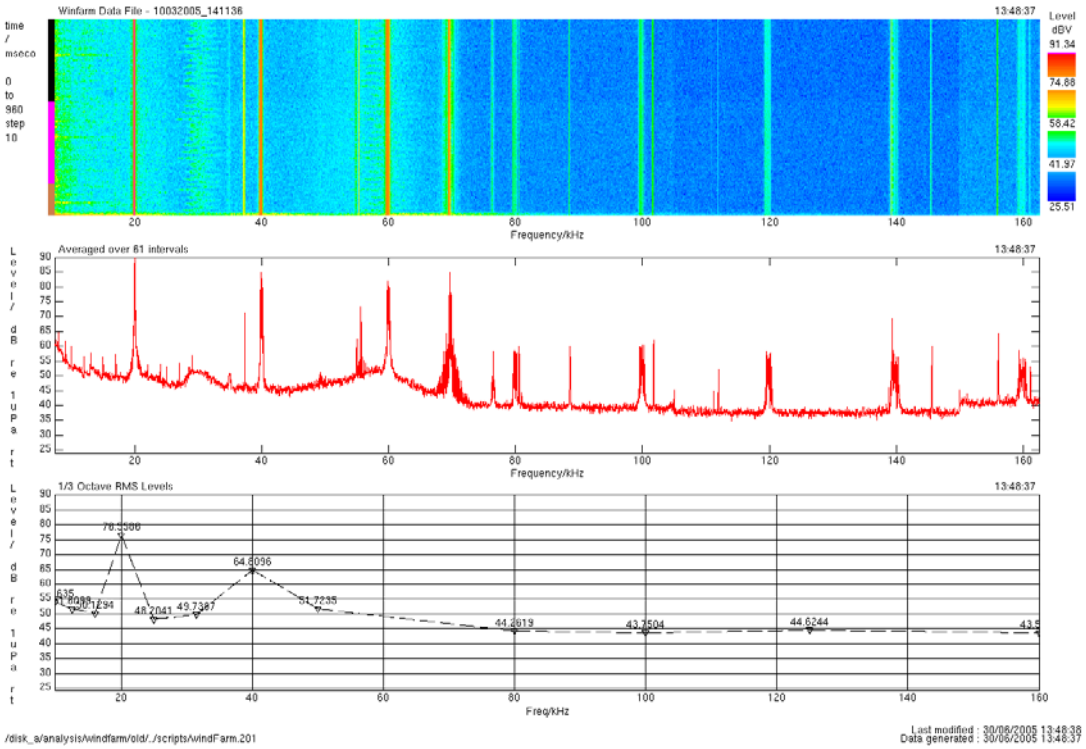
Location: 53º28'14.4"N 003º32'40.8"W 1410 hrs 10 April 2005



Low frequency data at Site 27



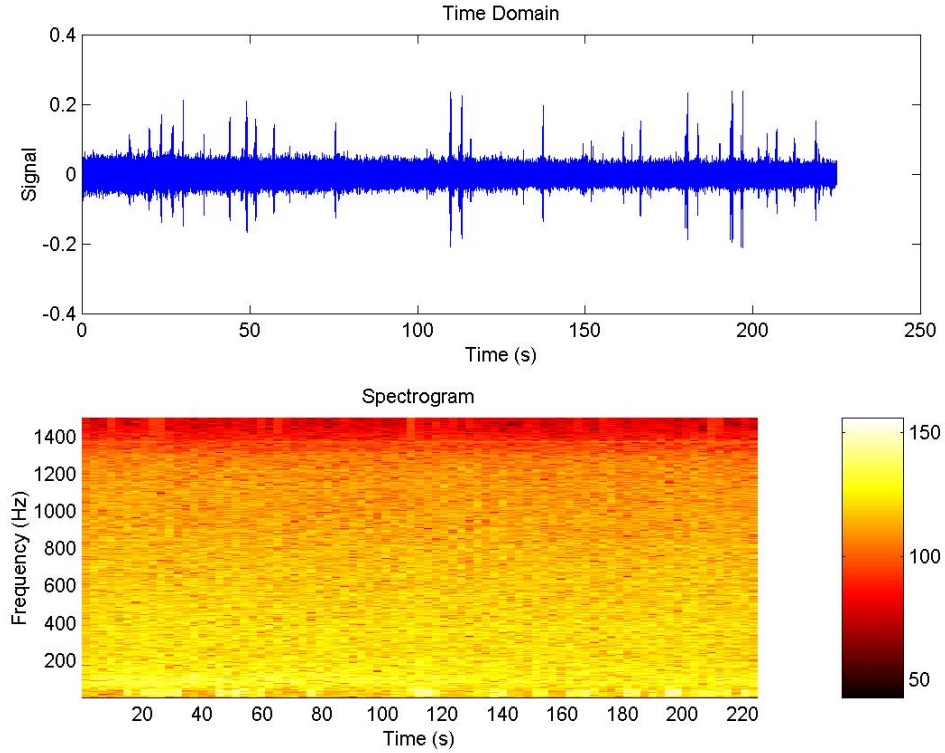
Medium frequency data at Site 27



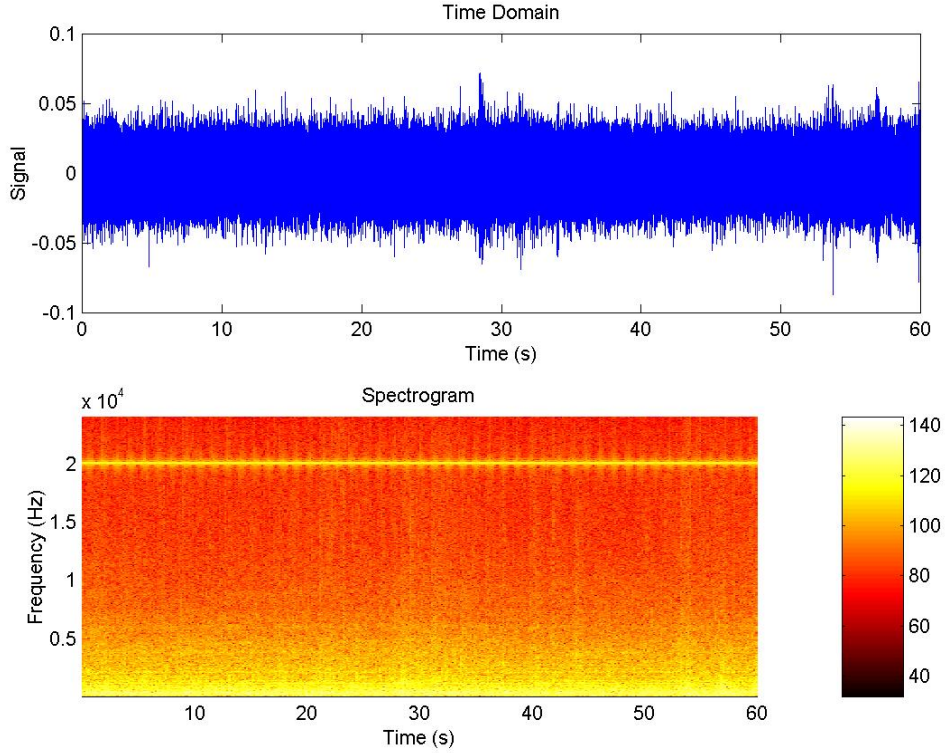
High frequency data at Site 27

SITE 28

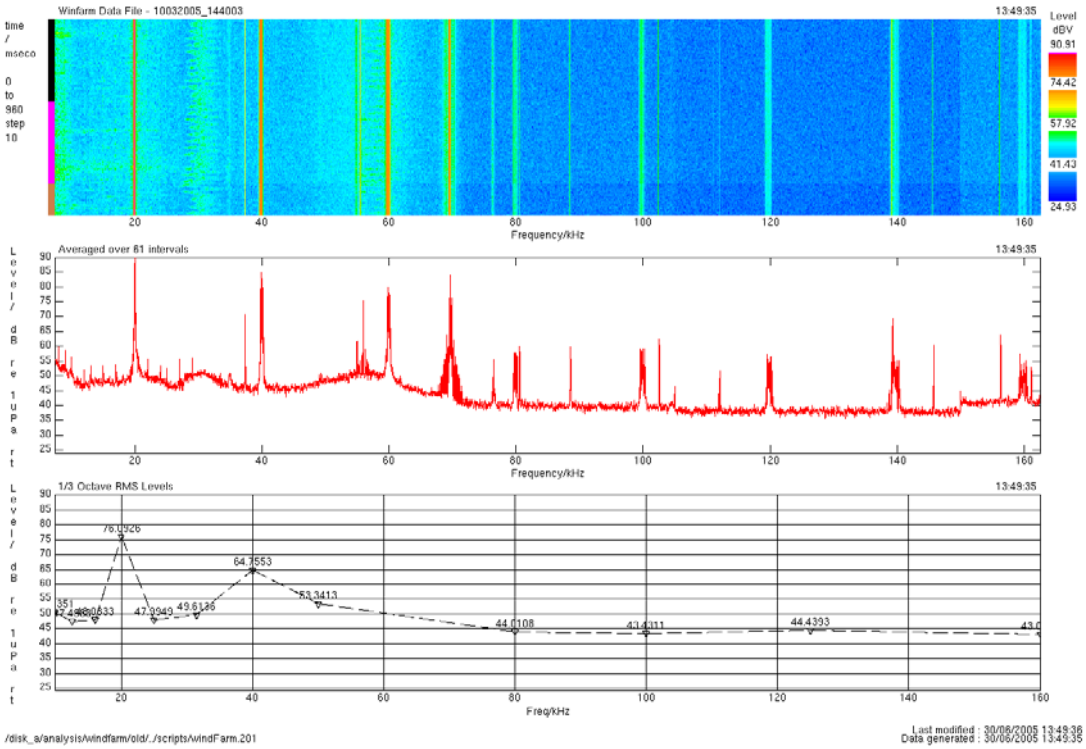
Location: 53º27'23.5"N 003º32'39"W 1440 hrs 10 April 2005



Low frequency data at Site 28



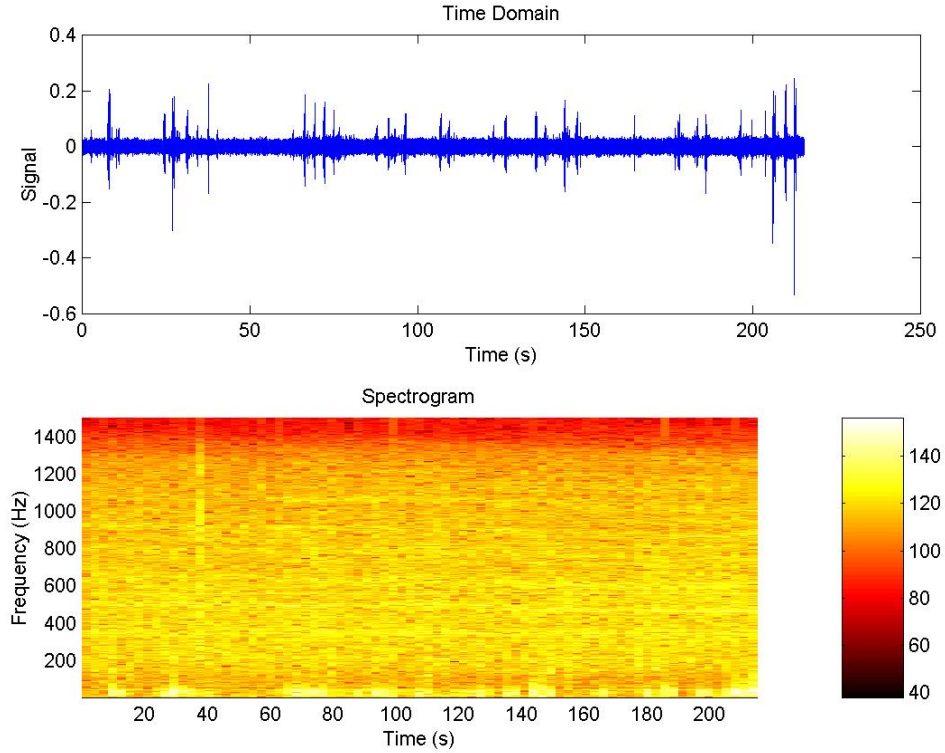
Medium frequency data at Site 28



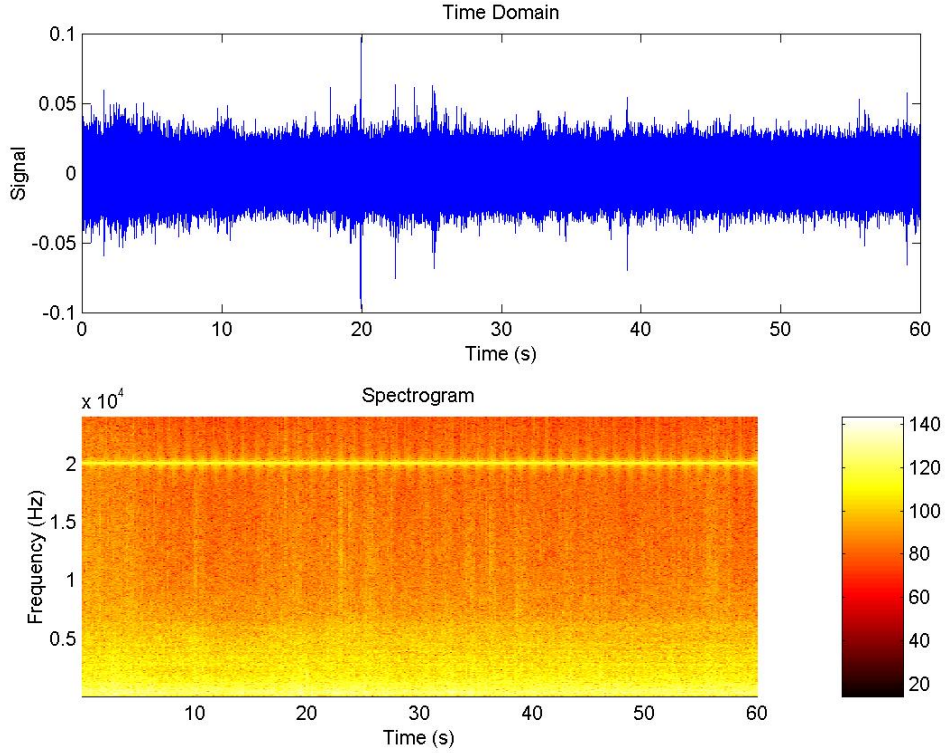
High frequency data at Site 28

SITE 29

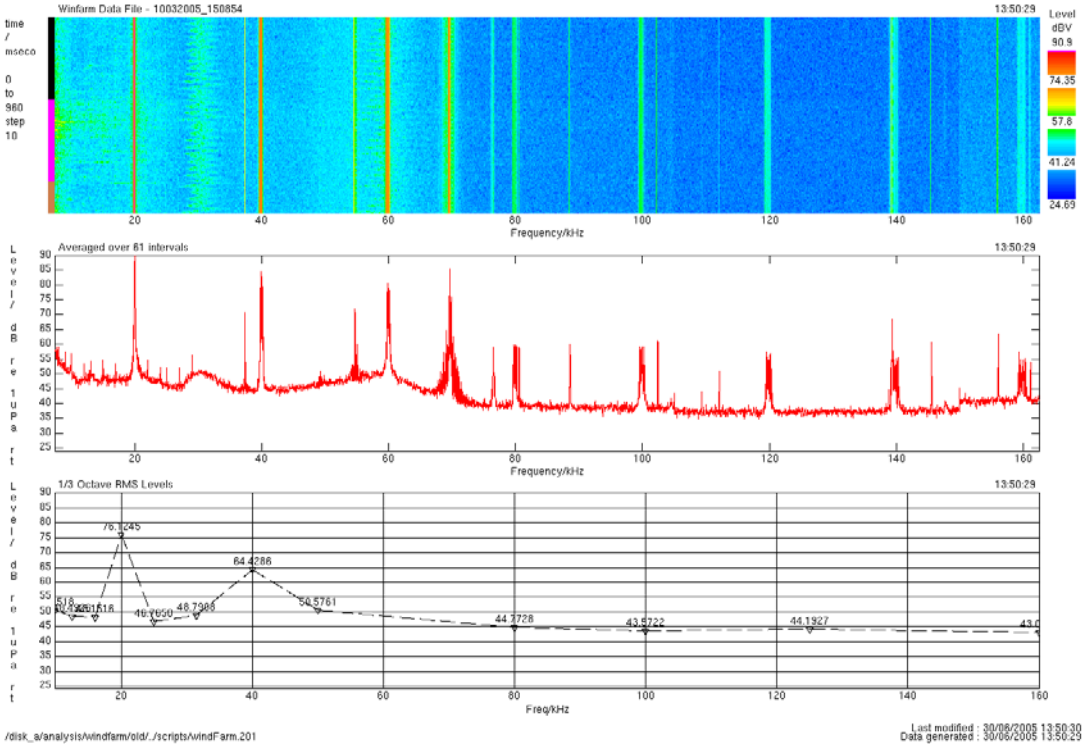
Location: 53º26'34"N 003º32'37.1"W 1510 hrs 10 April 2005



Low frequency data at Site 29



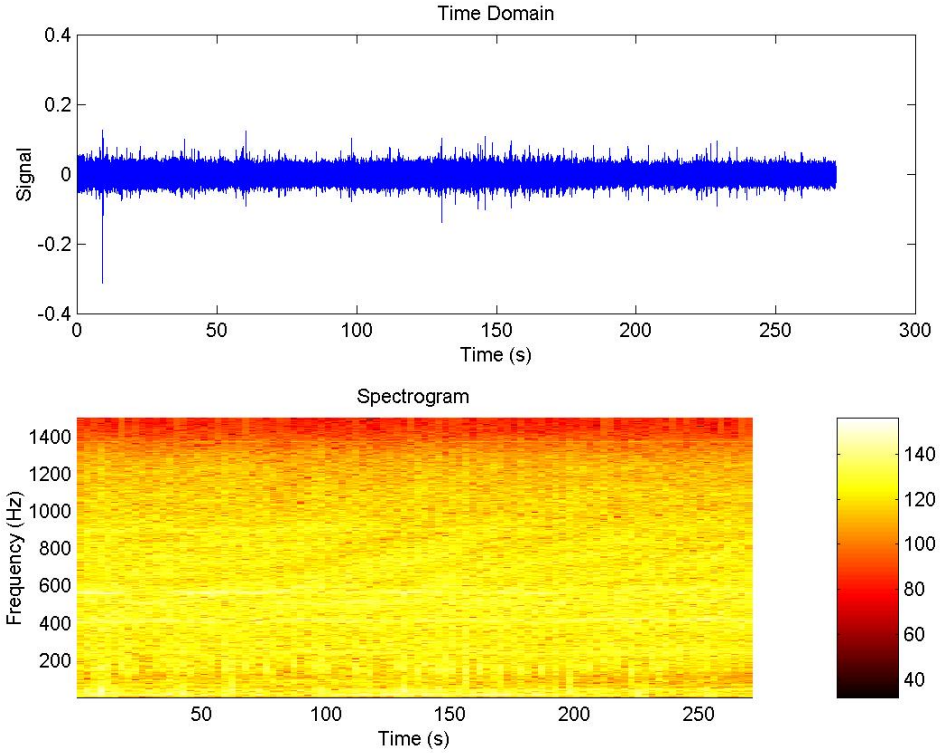
Medium frequency data at Site 29



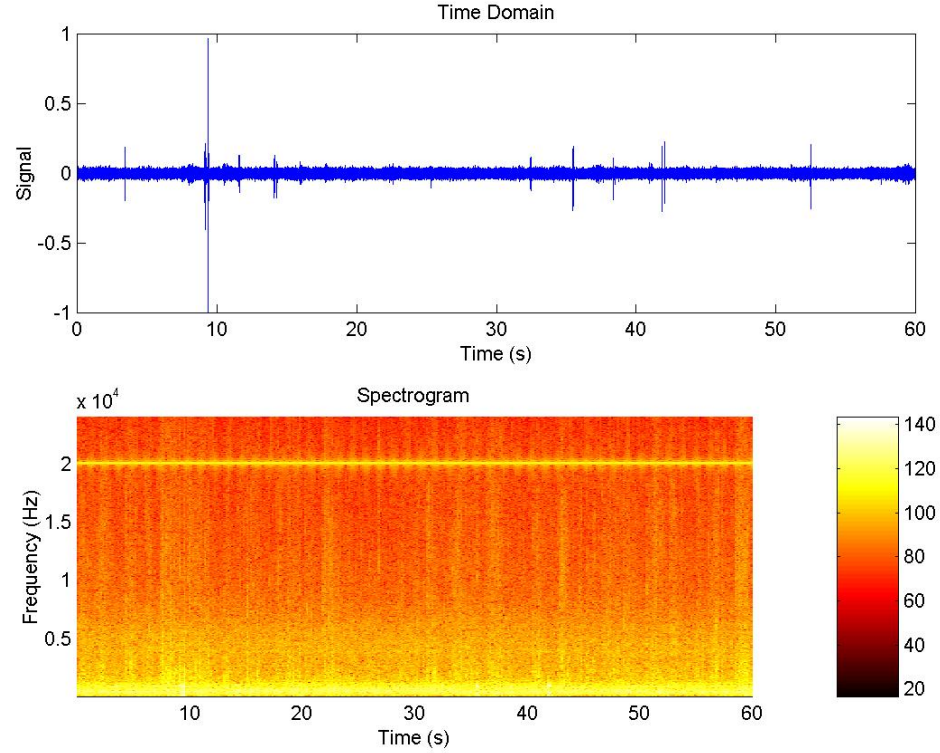
High frequency data at Site 29

SITE 30

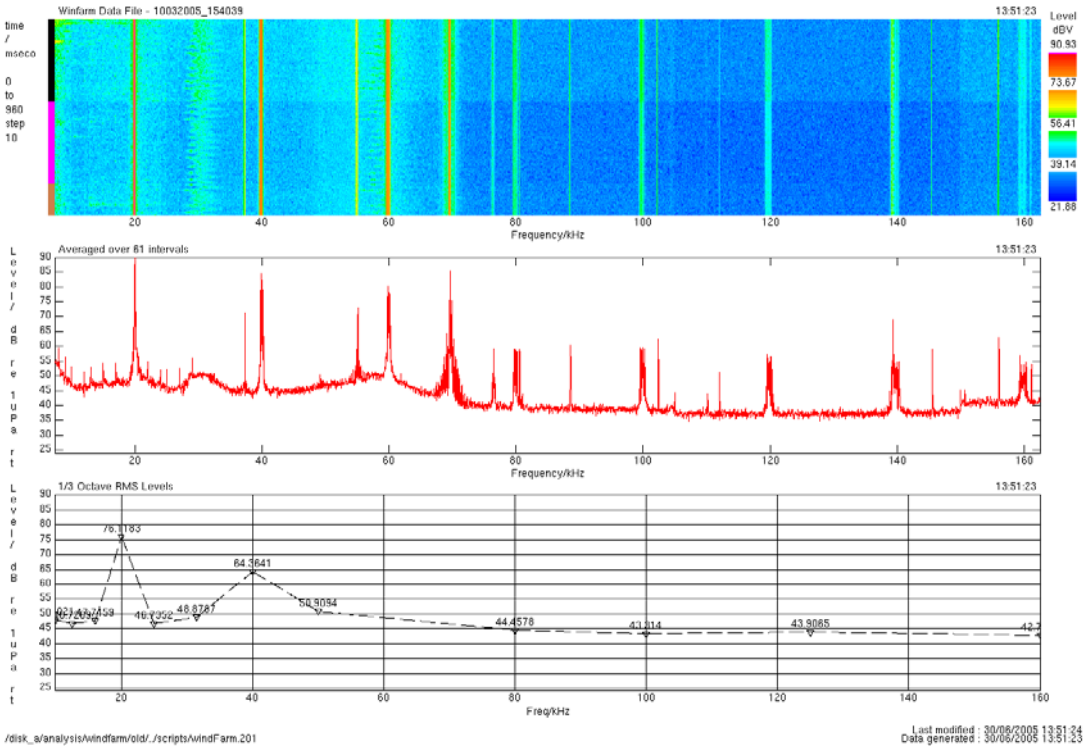
Location: 53º25'6.5"N 003º32'34.8"W 1540 hrs 10 April 2005



Low frequency data at Site 30



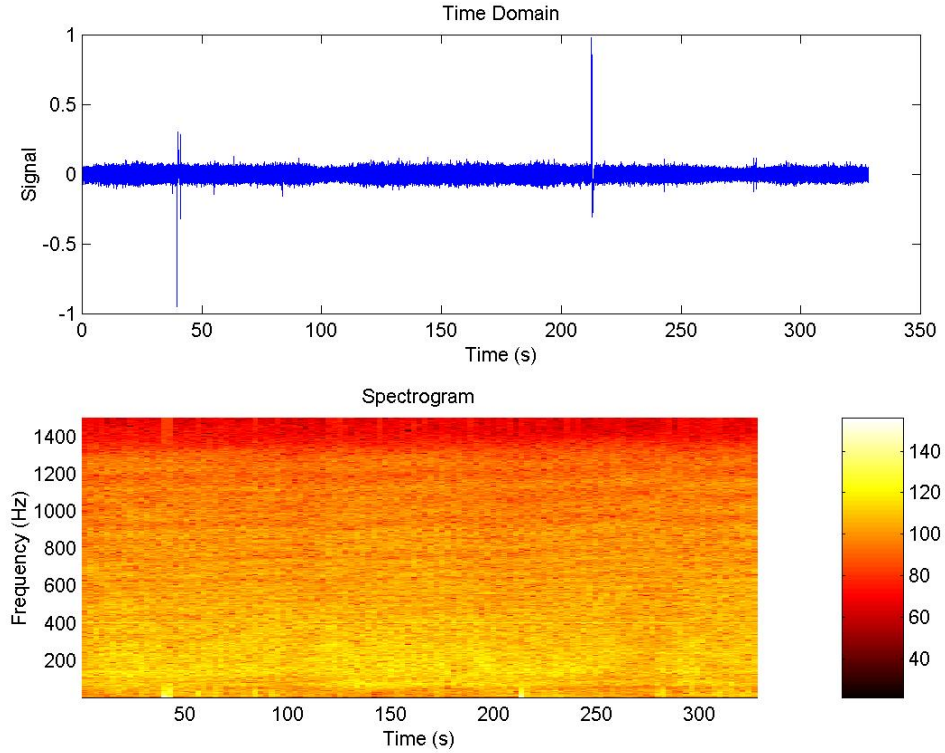
Medium frequency data at Site 30



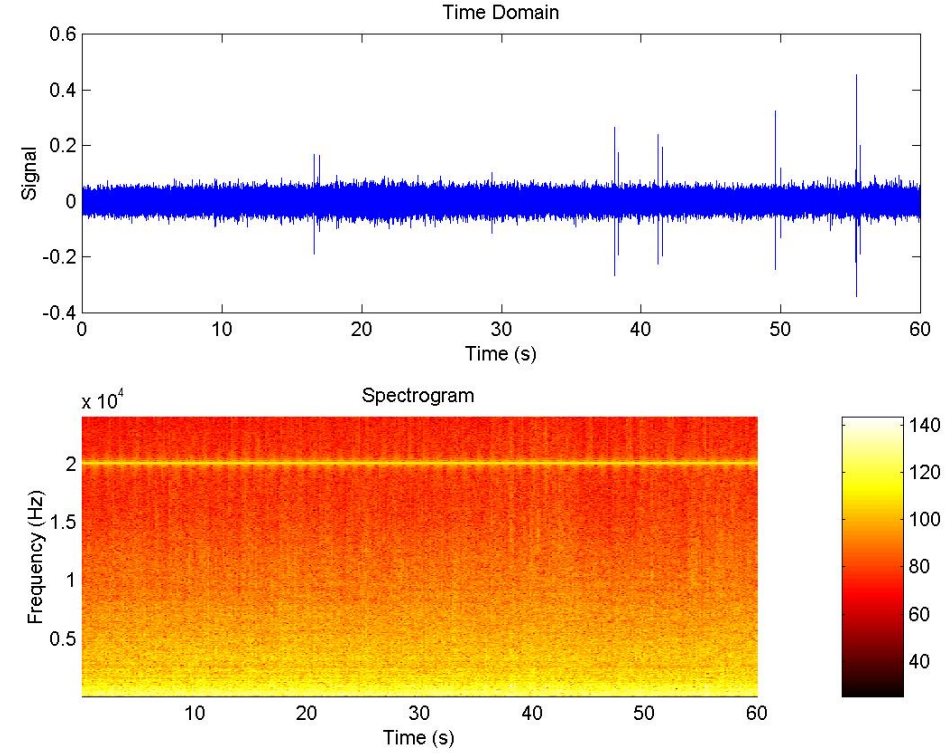
High frequency data at Site 30

SITE 31

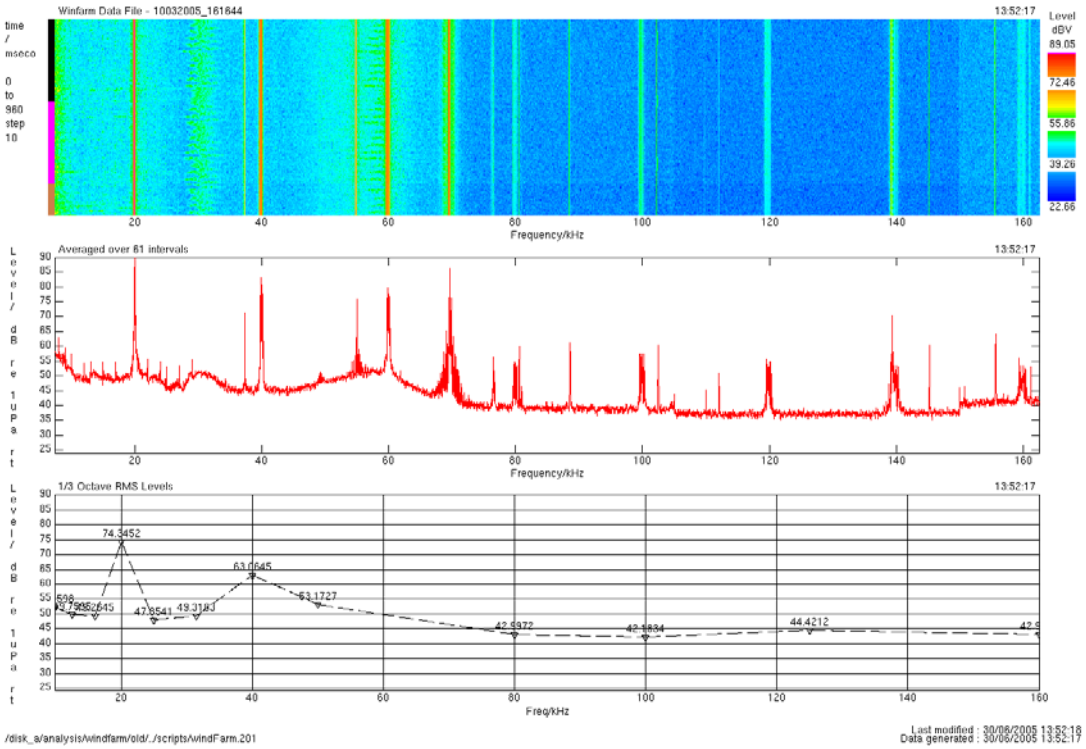
Location: 53º27'24.9"N 003º30'15.9"W 1620 hrs 10 April 2005



Low frequency data at Site 31



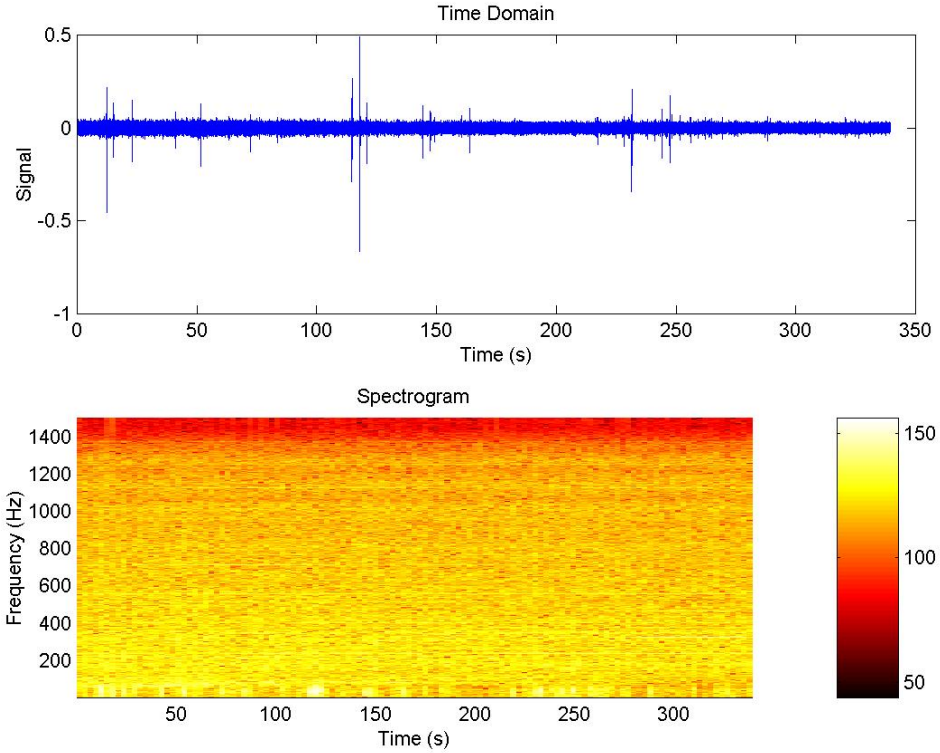
Medium frequency data at Site 31



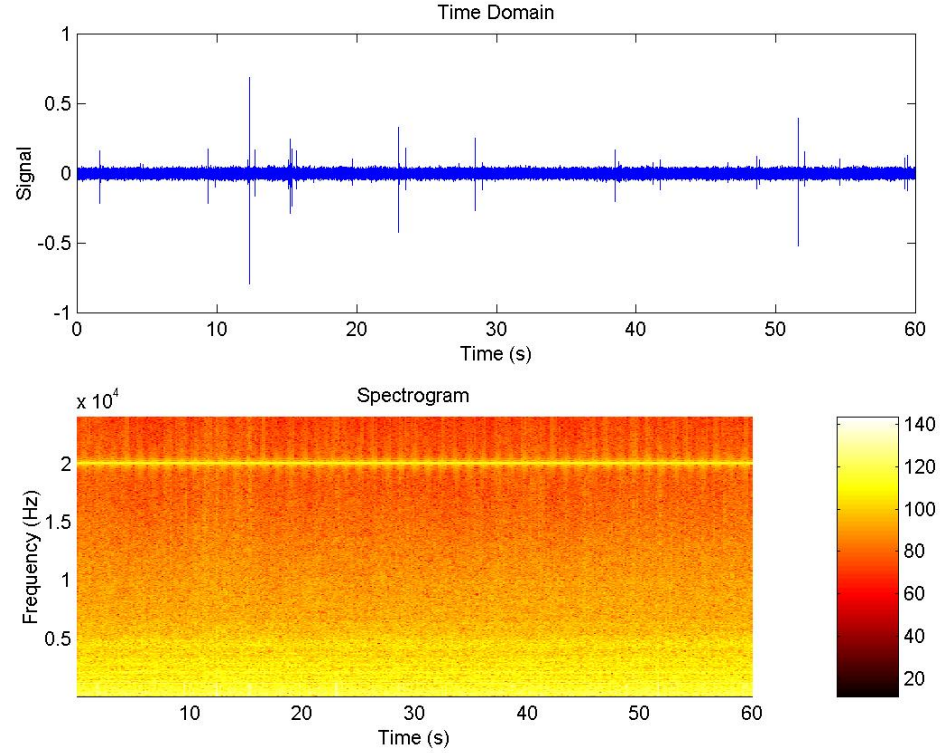
High frequency data at Site 31

SITE 32

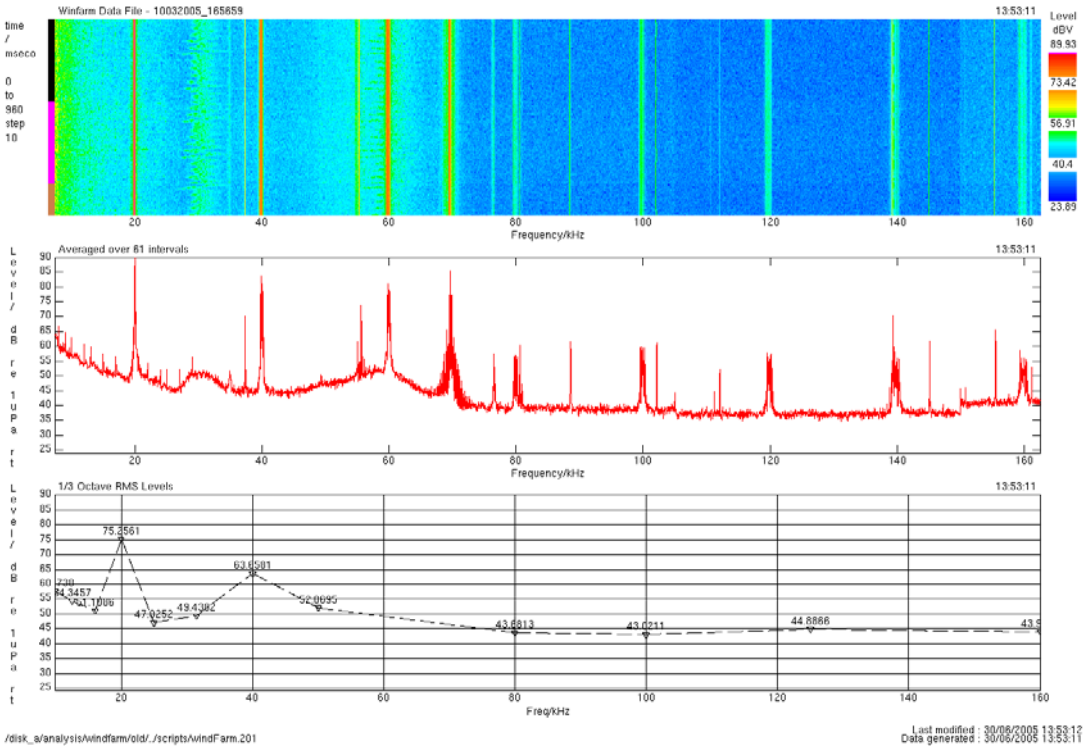
Location: 53º30'5.7"N 003º32'39.8"W 1700 hrs 10 April 2005



Low frequency data at Site 32



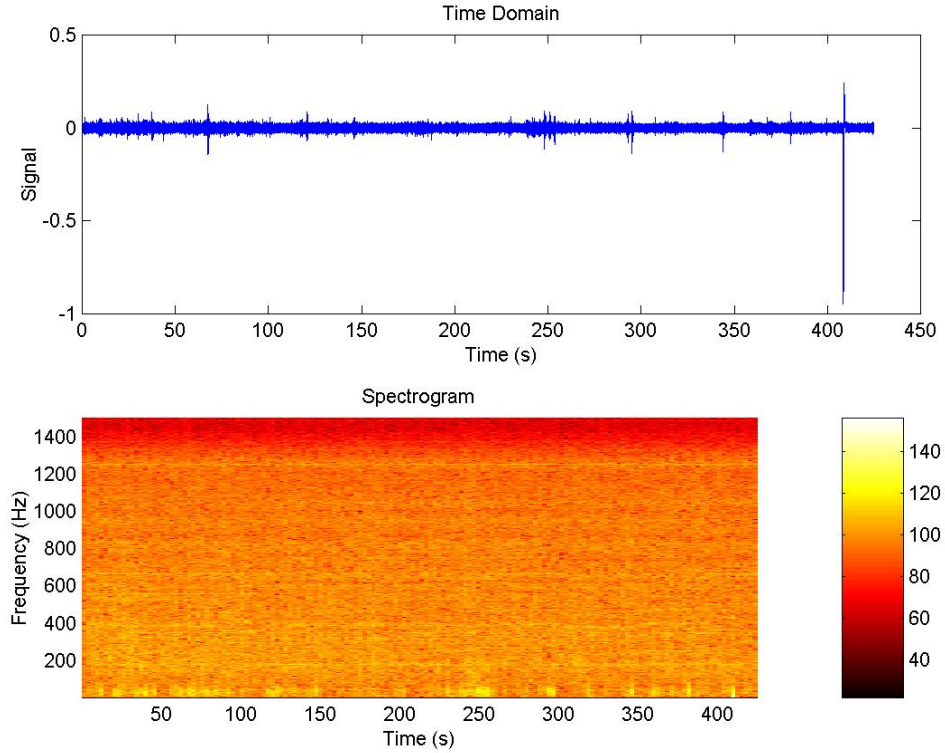
Medium frequency data at Site 32



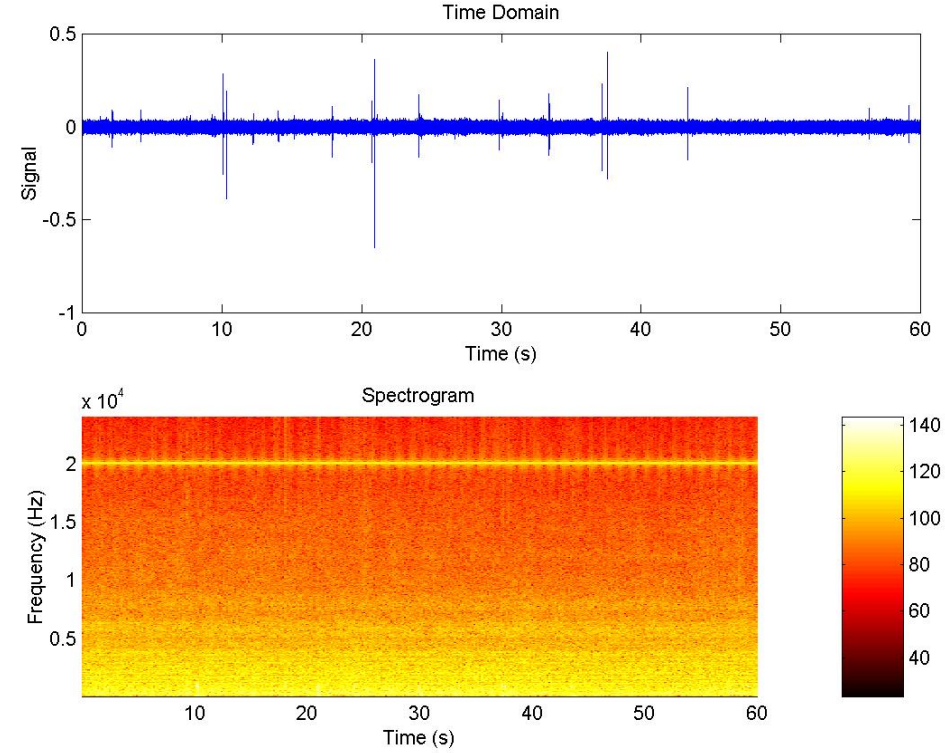
High frequency data at Site 32

SITE 33

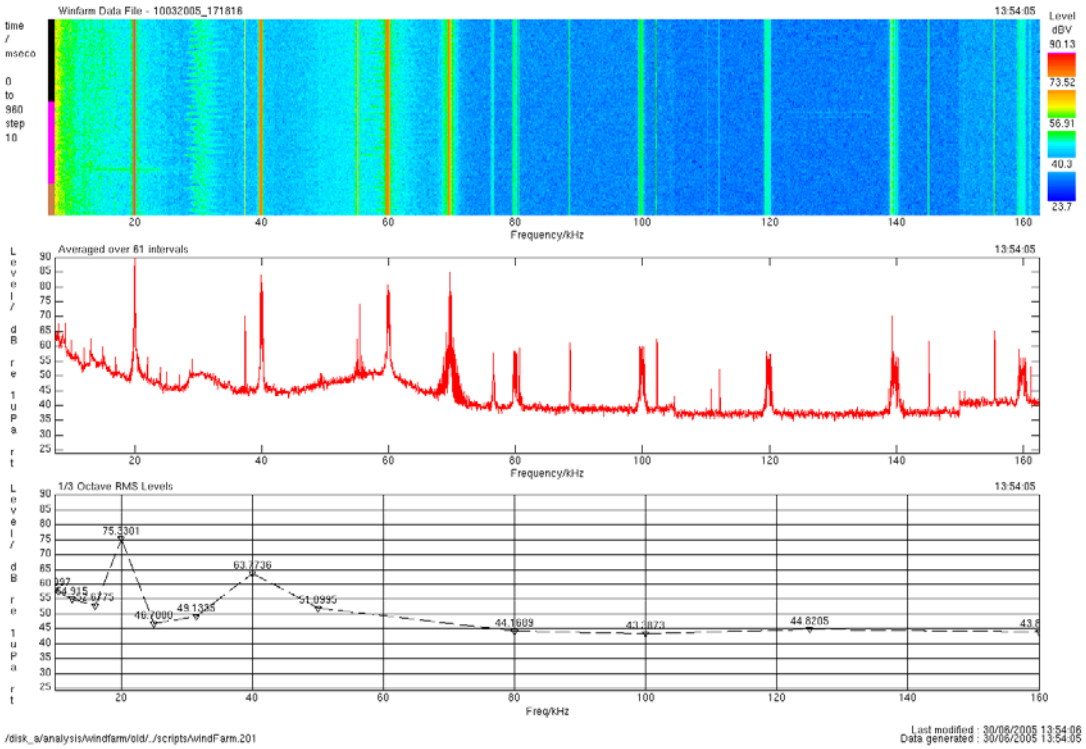
Location: 53º30'56.6"N 003º32'40.5"W 1720 hrs 10 April 2005



Low frequency data at Site 33



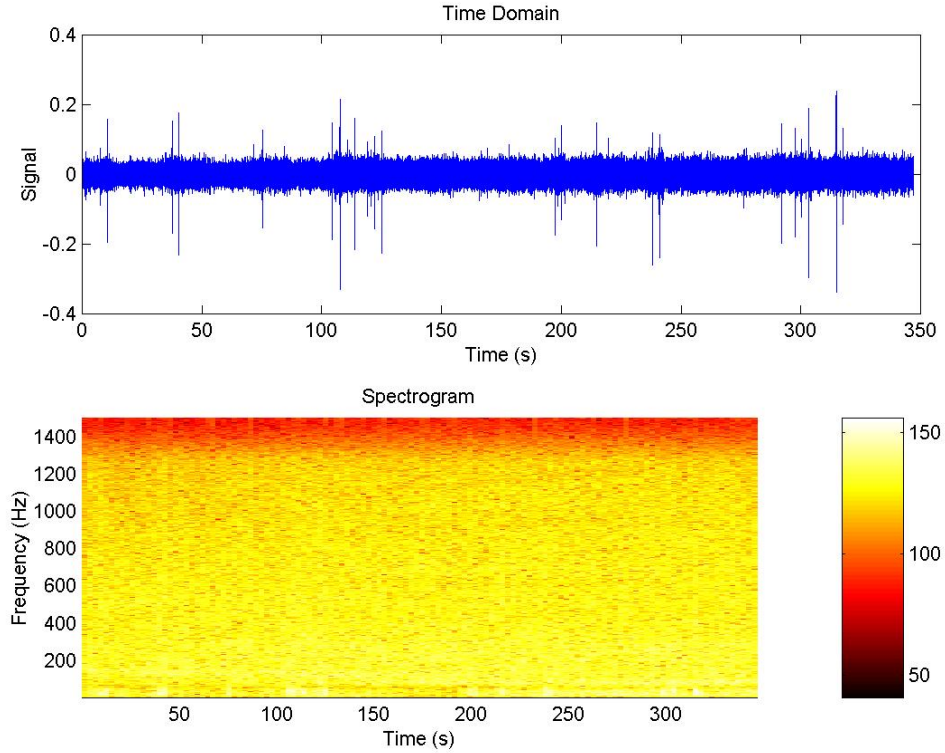
Medium frequency data at Site 33



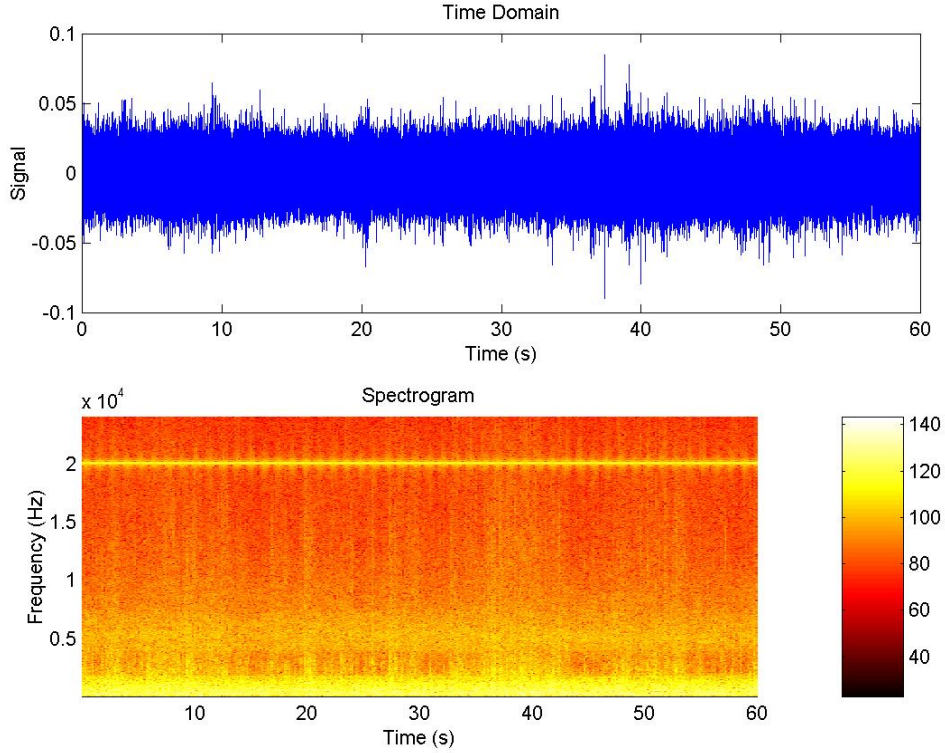
High frequency data at Site 33

SITE 36

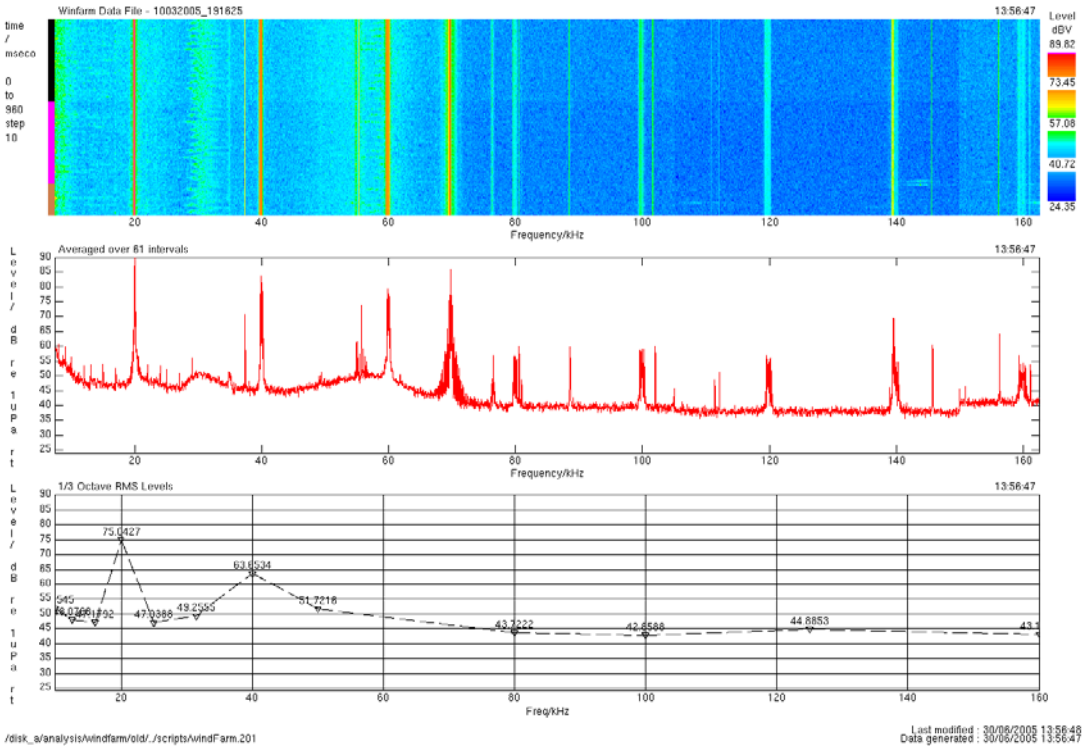
Location: 53º27'25"N 003º23'23.5"W 1920 hrs 10 April 2005



Low frequency data at Site 36



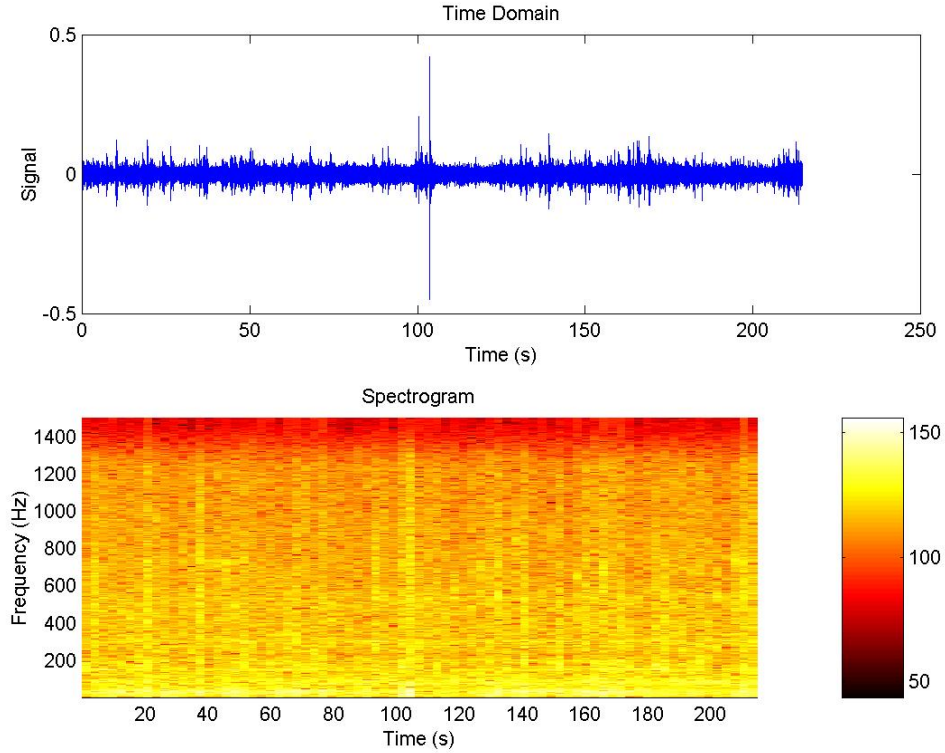
Medium frequency data at Site 36



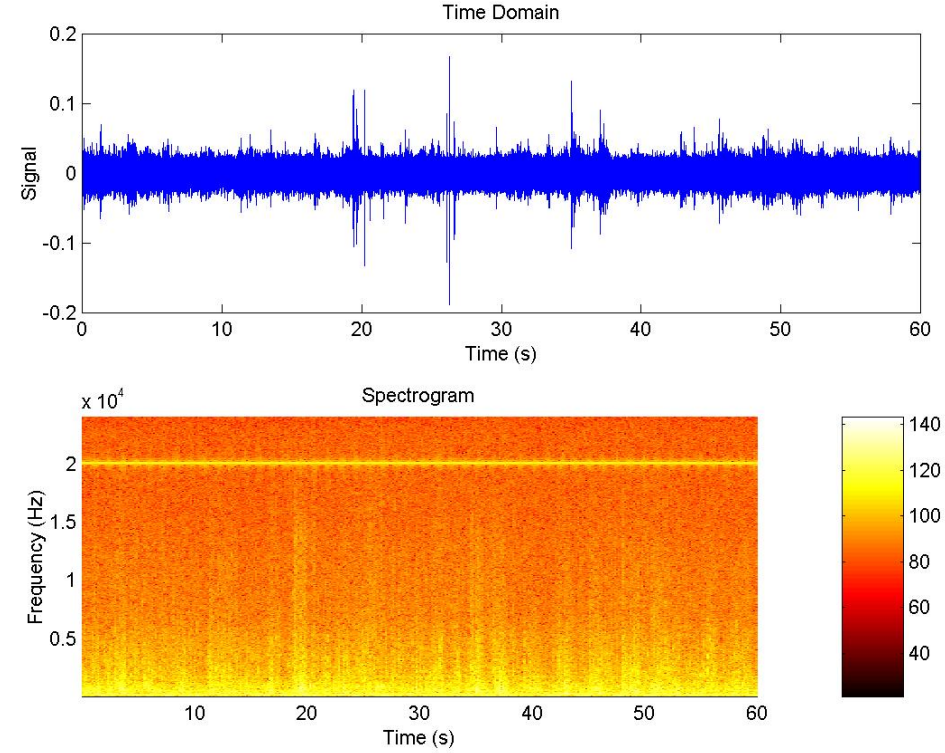
High frequency data at Site 36

SITE 37

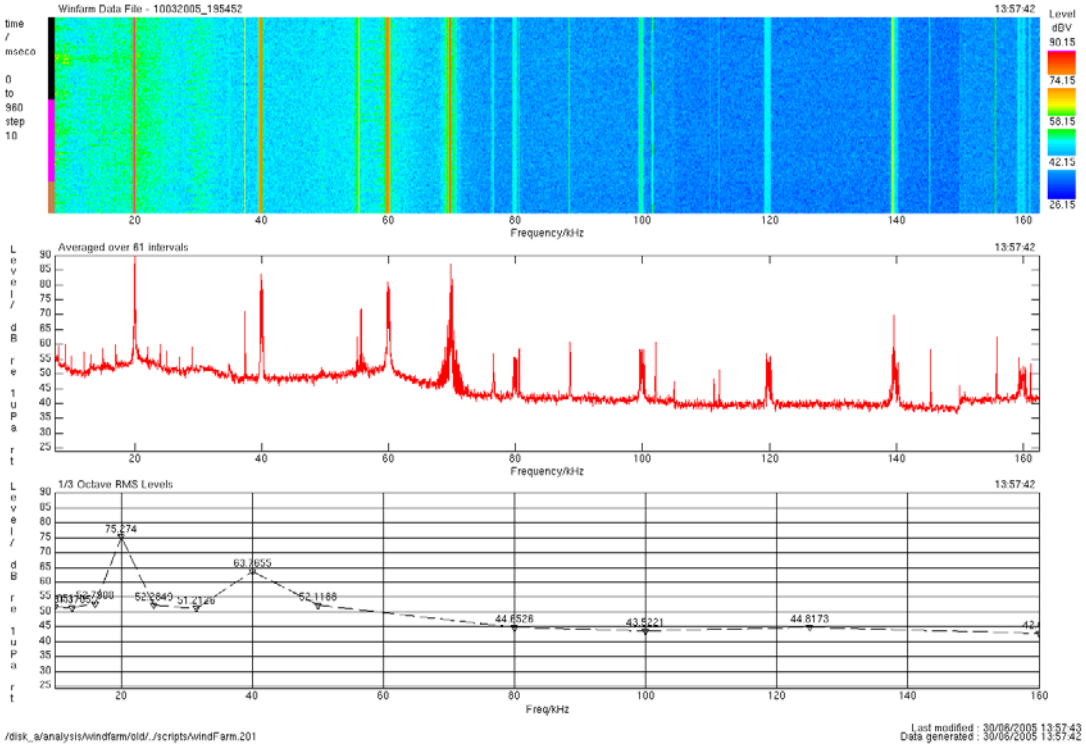
Location: 53º25'50.22"N 003º25'21.79"W 2000 hrs 10 April 2005



Low frequency data at Site 37



Medium frequency data at Site 37



High frequency data at Site 37